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[Decisions of the Board of Appeals of the United States Patent Office are indicated by the letter (ᵇ); of the United States Court of Customs and Patent Appeals by a star (*); and of the Supreme Court of the United States by the letter (ᵉ).]

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# LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Medicinal wafers. Serial No. 401,965; May 3. Class 6.

Adjusta-Lite Venetian Blind Company, Waco, Tex. Venetian blinds. Serial No. 403,191; May 3. Class 32.

Agfa Ansco Corporation, Binghamton, N. Y. Sensitized photographic film. Serial No. 402,166; May 3. Class 26.

Air Conditioned Fabrics Corp. (See Meyer, Melvin.)

Allied Earthen Products Company. (See Larkin, James F.)

American Fluresit Company, The, Cincinnati, Ohio. Substance for rendering mortar and mortar-forming materials waterproof. Serial Nos. 403,387-8; May 3. Class 12.

American Hard Rubber Company, Hempstead and New York, N. Y. Rods, sheets, and tubes of hard rubber. Serial No. 402,079; May 3. Class 50.

American-LaFrance-Foamite Corporation, Elmira, N. Y. Centrifugal pumps. Serial No. 403,800; May 3. Class 23.

American Tag Company, Chicago, Ill. Paper labels, tickets, and tags. Serial No. 400,677; May 3. Class 37.

Anchor Cap & Closure Corporation, Long Island City, N. Y. Closure caps. Serial No. 381,651; May 3. Class 50.

Arbouin Marett & Co., S. A., Cognac, France. Brandy. Serial No. 402,049; May 3. Class 49.

Arden, Elizabeth, Inc., New York, N. Y. Nail polishes. Serial No. 403,295; May 3. Class 6.

Artblend Cosmetic Studios. (See Kobolt, George E.)

Association of Gas Appliance and Equipment Manufacturers, New York, N. Y. Gas appliances. Serial Nos. 402,502-3; May 3. Class 34.

Astrup Company, The, Cleveland, Ohio. Cotton piece goods. Serial No. 403,069; May 3. Class 42.

Azein Remedy Co., Inc., Jacksonville, Fla. Preparation for bronchial asthma and hay fever. Serial No. 403,534; May 3. Class 6.

Barber, W. H., Company, Minneapolis, Minn. Petroleum products. Serial No. 403,302; May 3. Class 15.

Bauman & Stoll, New York, N. Y. Coats, suits, skirts, etc. Serial No. 403,852; May 3. Class 39.

Bendixen Tobacco Company, Syracuse, N. Y. Tobacco. Serial No. 402,031; May 3. Class 17.

Bereman, James H., doing business as The Stillman Company, Aurora, Ill. Preparation having germicidal and astringent properties. Serial No. 401,724; May 3. Class 6.

Betzold Fur Cleaners, Philadelphia, Pa. Preparation for softening furs and fur garments. Serial No. 403,984; May 3. Class 6.

Blanchard, Alva G., doing business as The Inferno Company, Shreveport, La. Illuminated boiler water level gauges and gauge valves. Serial No. 402,465; May 3. Class 26.

Blanchard, Alva G., doing business as The Inferno Company, Shreveport, La. Illuminated boiler water level gauges and gauge valve. Serial No. 402,467; May 3. Class 26.

Blatter, Titus, & Company, New York, N. Y. Piece goods and upholstery and draperies made therefrom. Serial No. 401,230; May 3. Class 42.

Bloom, Charles, Inc., New York, N. Y. Drapery fabrics. Serial No. 403,901; May 3. Class 42.

Böhme Fettchemie-Gesellschaft mit beschrankter Haftung, Chemnitz, Germany. Chemical dye aids. Serial Nos. 404,111-112; May 3. Class 6.

Böhme Fettchemie-Gesellschaft mit beschrankter Haftung, Chemnitz, Germany. Chemical dye aids. Serial No. 404,114; May 3. Class 6.

Bronfillard, A. A., & Co. Inc., Lawrence, Mass. Tonic blend of vitamins, accessory food factors and minerals. Serial No. 403,443; May 3. Class 6.

Caesar, Irving, New York, N. Y. Charts. Serial No. 402,215; May 3. Class 37.

Cajon Manufacturing Company. (See Pollock, Paul H.)

Car-Cal Winery. (See Sands, Sally.)

Central Communication Devices, Inc., New York, N. Y. Inter-office communicating apparatus. Serial No. 399,440; May 3. Class 21.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Preparations for the hair. Serial No. 403,492; May 3. Class 6.

Christian, Martha L., doing business as Reel Products Company, Cedar Rapids, Iowa. Food for poultry, cattle, hogs, etc. Serial No. 397,356; May 3. Class 46.

Church of Jesus Christ of Latter-day Saints, Salt Lake City, Utah. Underwear. Serial No. 401,332; May 3. Class 39.

Colvinex Corporation, New York, N. Y. Woven fabric of metal core yarn. Serial No. 403,756; May 3. Class 42.

Combustrol Equipment Co. Inc., Clifton, N. J., and New York, N. Y. Industrial burners, furnaces, and heating chambers. Serial No. 395,660; May 3. Class 34.

Cooney, Arthur R., Philadelphia, Pa. Games. Serial No. 403,993; May 3. Class 22.

Corning, Louis A., Hamlet, N. C. Ice cream, sherbets. Serial No. 403,199; May 3. Class 46.

Crompton Company, West Warwick, R. I. Corduroy fabrics. Serial No. 403,996; May 3. Class 42.

Crown Products Corporation, Philadelphia, Pa. Felt products. Serial No. 401,517; May 3. Class 50.

Del Monte-Hickey Company, Inc., New York, N. Y. Coats, suits, dresses, etc. Serial No. 403,758; May 3. Class 39.

Desert Publishing Company, El Centro, Calif. Magazine. Serial No. 402,937; May 3. Class 38.

Disney, Walt, Productions, Ltd., Los Angeles, Calif. Series of cartoons. Serial No. 397,887; May 3. Class 38.

Distillerie Stock S. A., Trieste, Italy. Vermouth. Serial No. 391,855; May 3. Class 47.

Distillerie Stock S. A., Trieste, Italy. Vermouth. Serial No. 392,314; May 3. Class 47.

Duff, P., & Sons, Inc., Pittsburgh, Pa. Prepared mixes for cake making. Serial No. 402,771; May 3. Class 46.

Eastern Manufacturing Company, Brewer, Maine. Typewriter and printing paper. Serial No. 402,558; May 3. Class 37.

Eastern Manufacturing Company, Brewer, Maine. Printing papers. Serial No. 402,559; May 3. Class 37.

Electro-Technical Products, Inc., Nutley, N. J. Waterproof and water repellent fabrics. Serial No. 401,376; May 3. Class 50.

Embury Manufacturing Company, Warsaw, N. Y. Fuses. Serial No. 398,719; May 3. Class 9.

Empire Electric Brake Corporation, Dover, Del. Brakes and parts thereof. Serial No. 402,721; May 3. Class 23.

Enro Shirt Co., The, Louisville, Ky. Shirts, pajamas, and underwear. Serial No. 403,545; May 3. Class 39.

Ensal Research Products. (See Gerboth, Henry L.)

"Eumig" Elektrizitäts- und Metallwaren-Industrie, Vienna, Austria. Photographic apparatus. Serial No. 401,213; May 3. Class 26.

Evans Marshall & Company Limited, London, England. Whisky. Serial No. 394,936; May 3. Class 49.

Financial Guide Publishing Corporation, New York, N. Y. Daily newspaper. Serial No. 388,440; May 3. Class 38.

Foss & Company, Vineland, N. J. House paint, flat paint, paint enamels, etc. Serial No. 401,382; May 3. Class 16.

Foster, Francis R., Bradenton, Fla. Preparation for application to the fingers of children. Serial No. 396,676; May 3. Class 6.

Frisch & Co., Inc., New York, N. Y. Ready mixed paint. Serial No. 403,863; May 3. Class 16.

General Ceramics Company, New York, N. Y. Electric insulators. Serial No. 401,433; May 3. Class 21.

General Mills, Inc., Minneapolis, Minn. Flour. Serial No. 402,091; May 3. Class 46.

Gerboth, Henry L., doing business as Ensal Research Products, Milwaukee, Wis. Medicinal preparation. Serial No. 396,772; May 3. Class 6.

Gottschalk & Co., New York, N. Y. Printed fabrics. Serial No. 400,908; May 3. Class 42.

Götz, Jan, Okocimski Browar i Zaklady Przemysłowe S. A., Okocim, Poland. Beers of any kind. Serial No. 395,170; May 3. Class 46.

Greenebaum, J., Tanning Co., Chicago, Ill., and Milwaukee, Wis. Leather. Serial No. 403,255; May 3. Class 1.

Gulf Oil Corporation, Pittsburgh, Pa. Lubricating oils. Serial No. 403,868; May 3. Class 15.

Gulf Portland Cement Company, Houston, Tex. Masonry and Portland cement. Serial No. 401,529; May 3. Class 12.

Hawkins, Paul, Company, Los Angeles, Calif. Marmalade. Serial No. 403,705; May 3. Class 46.

Heggemeyer, William, doing business as Wil-Meyer Co., New York, N. Y. Liquid glass cleaner and polish. Serial No. 402,818; May 3. Class 4.

Hinde & Dauch Paper Company, The, Sandusky, Ohio. Corrugated paper merchandise display stands. Serial No. 402,630; May 3. Class 2.

Hinde & Dauch Paper Company, The, Sandusky, Ohio. Corrugated paper. Serial No. 403,314; May 3. Class 37.

Hirsch, Louis, Textile Machines, Inc., New York, N. Y. Hosiery. Serial No. 403,232; May 3. Class 39.

Holst-Knudsen, S., New York, N. Y. Cheese. Serial No. 401,864; May 3. Class 46.

# LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Honey-Web Inc., New York, N. Y. Ribbon fly catcher. Serial No. 400,645; May 3. Class 50.

Hudson Steel & Tube Corp., New York, N. Y. Bicycle electric lamps and electric generators. Serial No. 402,632; May 3. Class 21.

Indiana State Teachers' Association, Indianapolis, Ind. Periodical. Serial No. 403,209; May 3. Class 38.

Inferno Company, The. (See Blanchard, Alva G.)

Iarin, Oliver Corporation, New York, N. Y. Extracts, syrups and beverages. Serial No. 400,601; May 3. Class 45.

Jamieson, C. E., & Co., Detroit, Mich. Ointments and suppositories. Serial No. 397,335; May 3. Class 6.

Johns-Manville Corporation, New York, N. Y. Heat insulation material. Serial No. 403,726; May 3. Class 12.

Ke-Ra Products, Oakland, Calif. Medicine. Serial No. 402,567; May 3. Class 6.

Kindlund & Drake, New York, N. Y. Vacuum relief valves. Serial No. 403,212; May 3. Class 13.

Kloster Steel Corporation, Chicago, Ill. Hot work steel. Serial No. 403,180; May 3. Class 14.

Kobolt, George E., doing business as Artblend Cosmetic Studios, Chicago, Ill. Brilliantine. Serial No. 403,317; May 3. Class 6.

"La Bruxelloise des Contreplaques," Societe Anonyme, Haren-Nord, Brussels, Belgium. Plywoods. Serial No. 399,612; May 3. Class 12.

Laing, Nathan, New York, N. Y. Spinning top. Serial No. 403,699; May 3. Class 22.

Lambert Pharmacal Company, Wilmington, Del. Tooth paste. Serial No. 403,700; May 3. Class 6.

Lanalol Limited, London, England. Preparation for the care and treatment of the hair. Serial No. 395,920; May 3. Class 6.

Larkin, James F., doing business as Allied Earthen Products Company, Oklahoma City, Okla. Insulating mud and mud jells. Serial No. 403,455; May 3. Class 12.

Larkin, James F., doing business as Allied Earthen Products Company, Oklahoma City, Okla. Drilling mud. Serial No. 403,456; May 3. Class 12.

Laucks, I. F., Inc., Seattle, Wash. Calcimines and cold water paints. Serial No. 403,728; May 3. Class 16.

Lauer, William J., doing business as W. J. Lauer & Co., Bismarck, N. Dak. Fish lures. Serial No. 393,334; May 3. Class 22.

Leon, Albert, doing business as Morning Glory Products Co., Los Angeles, Calif. Coffee substitute. Serial No. 401,096; May 3. Class 46.

Lesco Ltd., New York, N. Y. Ladies' handbags. Serial No. 404,255; May 3. Class 3.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Suits. Serial No. 403,369; May 3. Class 39.

Little Marjorie Coat Company, New York, N. Y. Girls' snow suits and ski suits. Serial No. 401,027; May 3. Class 39.

Madaus, Dr., & Company, Dresden, Germany. Therapeutic vitamin preparation. Serial No. 400,559; May 3. Class 6.

Magmilk Company, Inc., New York, N. Y. Dry milk of magnesia powder. Serial No. 403,459; May 3. Class 6.

Maison de Venoge Societe Anonyme, Epernay, France. Champagne wines. Serial No. 400,349; May 3. Class 47.

Marathon Laboratories, Inc., Newark, N. J. Hair waving fluids, hand lotions, etc. Serial No. 396,925; May 3. Class 6.

Mark, Clayton, & Company, Chicago, Ill. Steel pipe and steel tubing. Serial No. 389,141; May 3. Class 13.

Meredith Publishing Company, Des Moines, Iowa. Magazine section. Serial No. 401,271; May 3. Class 38.

Metallic Coatings, Inc., Brooklyn, N. Y. Ready mixed paints and powder formed paints, varnish, etc. Serial Nos. 396,500–1; May 3. Class 16.

Metaphane Inc., New York, N. Y. Wallpaper and decorative papers. Serial No. 403,216; May 3. Class 37.

Meyer, Melvin, assignor to Air Conditioned Fabrics Corp., New York, N. Y. Fabrics. Serial No. 395,174; May 3. Class 42.

Minneapolis Paper Co., Minneapolis, Minn. Merchandise display racks. Serial No. 402,790; May 3. Class 32.

Monsanto Chemical Company, St. Louis, Mo. Insecticides, germicides, fungicides, etc. Serial No. 403,274; May 3. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Chemical adjuvants to be added to motor fuels. Serial No. 403,275; May 3. Class 6.

Moorlane Company, Tulsa, Okla. Stud bolts. Serial No. 402,692; May 3. Class 13.

Morning Glory Products Co. (See Leon, Albert.)

Mutual Citrus Products Co., Anaheim, Calif. Canned citrus juices. Serial No. 402,785; May 3. Class 46.

National Biscuit Company, New York, N. Y. Bakery products. Serial No. 402,983; May 3. Class 46.

National Rosin Oil & Size Company, Savannah, Ga. Rosin oil. Serial No. 400,697; May 3. Class 6.

National Enameling and Stamping Company, Milwaukee, Wis. Cooking ranges. Serial No. 399,457; May 3. Class 34.

New Process Rayon, Inc., Gloucester, N. J. Thread and yarn. Serial No. 402,740; May 3. Class 42.

Onnen, Adolph C., doing business as Say-So Remedy Company, Baltimore, Md. Tablet for the relief of simple headache, neuralgia, etc. Serial No. 399,854; May 3. Class 6.

Pacific Fruit & Produce Co., Seattle, Wash. Fresh deciduous fruits. Serial No. 399,674; May 3. Class 46.

Paragon Oil Company, Inc., Brooklyn, N. Y. Correspondence and writing paper. Serial No. 390,235; May 3. Class 37.

Parker, Wilder & Co., New York, N. Y. Woolen piece goods. Serial No. 404,013; May 3. Class 42.

Paterson, Simons & Co. Ltd., London, England. Canned pineapple. Serial No. 403,732; May 3. Class 46.

Pervel Corporation, New York, N. Y. Cellulose material in sheet form. Serial No. 399,327; May 3. Class 37.

Phoenix Color & Chemical Co., Paterson, N. J. Dyestuffs. Serial No. 403,876; May 3. Class 6.

Pollock, Paul H., doing business as Cajon Manufacturing Company, New York, N. Y. Nose drops. Serial No. 401,679; May 3. Class 6.

Proctor, M. E., doing business as Proctors Products, New Haven, Conn. Prophylactic rubber articles. Serial No. 402,916; May 3. Class 44.

Putnam, I., Inc., Elmira, N. Y. Preparations for cleaning artificial dentures. Serial No. 403,707; May 3. Class 4.

Ray Feature Service, New York, N. Y. News strips. Serial No. 402,443; May 3. Class 38.

Reel Products Company. (See Christian, Martha L.)

Remington Arms Company, Inc., Bridgeport, Conn. Cutlery, and parts thereof. Serial No. 403,830; May 3. Class 23.

Revlon Nail Enamel Corporation, The, New York, N. Y. Preparation for the nails. Serial No. 403,423; May 3. Class 6.

Reyburn Manufacturing Company, The, Philadelphia, Pa. Sheet material of paper for the formation of displays. Serial No. 402,986; May 3. Class 37.

Rich, Waldo A., New York, N. Y. Cellulose webbing. Serial No. 402,652; May 3. Class 37.

Rochelle Asparagus Company, Rochelle, Ill. Canned asparagus. Serial No. 403,225; May 3. Class 46.

Roche-Organon, Inc., Nutley, N. J. Medicinal preparations. Serial No. 403,736; May 3. Class 6.

Rubberset Company, Newark, N. J. Razor blades. Serial No. 403,831; May 3. Class 23.

Rubens & Marble, Incorporated, Chicago, Ill. Infants' garments. Serial No. 403,183; May 3. Class 39.

Sands, Sally, doing business as Car-Cal Winery, Greensboro, N. C. Wine. Serial No. 389,851; May 3. Class 47.

Say-So Remedy Company. (See Onnen, Adolph C.)

Scurlock Kontanerette Corporation, Chicago, Ill. Glass bottles. Serial No. 396,047; May 3. Class 33.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Liver extract with iron and vitamins. Serial No. 403,471; May 3. Class 6.

Smooth-On Manufacturing Company, Jersey City, N. J. Iron compound. Serial No. 395,771; May 3. Class 12.

Stillman Company, The. (See Bereman, James H.)

Swartz, Sophia, New York, N. Y. Piece goods. Serial No. 403,481; May 3. Class 42.

Teitelbaum, Maxwell, Brooklyn, N. Y. Door springs and springs. Serial No. 398,222; May 3. Class 13.

Texas Company, The, New York, N. Y. Lubricating oils. Serial No. 404,236; May 3. Class 15.

Tobin, Richard R., doing business as R. R. Tobin Tobacco Co., Detroit, Mich. Smoking and chewing tobacco. Serial No. 403,433; May 3. Class 17.

U. S. Manufacturing Corporation, Decatur, Ill. Electric cooker. Serial No. 390,758; May 3. Class 21.

United States Quarry Tile Company, Canton, Ohio. Building tiles. Serial No. 403,152; May 3. Class 12.

Universal Plastics Corp., New Brunswick, N. J. Receptacles. Serial No. 402,492; May 3. Class 2.

Van Raalte, Hortense, New York, N. Y. Preparation for application on eyelashes and eyebrows. Serial No. 402,455; May 3. Class 6.

Vapo-Gas Corporation, San Antonio, Tex. Liquefied petroleum gas pressure tanks. Serial No. 388,159; May 3. Class 2.

Vivaudou, Jean, Company, New York, N. Y. Astringents, astringent cerates, beauty and bleach creams, etc. Serial No. 403,343; May 3. Class 6.

Webster, F. S., Company, Cambridge, Mass. Carbon paper. Serial No. 403,107; May 3. Class 11.

West Texas Cottonoil Co., Abilene, Tex. Field and garden seeds for planting purposes. Serial No. 403,154; May 3. Class 1.

Western Machinery Company, San Francisco, Calif. Classifiers, thickeners, agitators, etc. Serial No. 396,378; May 3. Class 23.

Wil-Meyer Co. (See Heggemeyer, William.)

# LIST OF REGISTRANTS OF TRADE-MARKS

Acme Backing Corporation, Brooklyn, N. Y. Processed piece goods. 356,664; May 3. Class 50.

Air Reduction Sales Company, New York, N. Y. Machines for cutting and welding metal by means of gases. 356,594; May 3; Serial No. 400,546; published Feb. 22, 1938. Class 34.

Albert, Lisa, doing business as L. Albert Co., New York, N. Y. High chair pad. 356,547; May 3; Serial No. 397,922; published Feb. 8, 1938. Class 32.

Aluminum Goods Mfg. Co., Jersey City, N. J., and Manitowoc, Wis. Base metal cookers. 356,536; May 3; Serial No. 396,658; published Jan. 25, 1938. Class 13.

American Cone & Pretzel Company, Philadelphia, Pa. Pretzels. 356,626; May 3; Serial No. 401,542; published Feb. 22, 1938. Class 46.

American-Simplex Corporation, St. Louis, Mo. Air conditioning units. 356,533; May 3; Serial No. 396,555; published Feb. 22, 1938. Class 34.

Antiseptic Mattress Co., Inc., Lynn, Mass. Mattresses, box springs, and studio couches. 356,632; May 3; Serial No. 401,581; published Feb. 22, 1938. Class 32.

Antolini & Co., New York, N. Y. Cheese. 356,592; May 3; Serial No. 400,483; published Feb. 22, 1938. Class 46.

Ash, Jacob, doing business as Ash's, New York, N. Y. Women's coats and suits. 356,661; May 3. Class 39.

Aulabaugh, C. E., Brosius, W. Va. Canned fruits and canned vegetables. 356,662; May 3. Class 46.

Baker Clothes Inc., Philadelphia, Pa. Suits, coats, vests, etc. 356,588; May 3; Serial No. 400,396; published Feb. 15, 1938. Class 39.

Barrell, William L., Company, Inc., New York, N. Y. Cotton and woolen and combinations thereof, in the piece. 356,609; May 3; Serial No. 401,046; published Feb. 22, 1938. Class 42.

Barrett & Company, Inc., Newark, N. J. Leather. 356,593; May 3; Serial No. 400,490; published Feb. 22, 1938. Class 1.

Beatrice Creamery Company, The. (See Fox River Butter Company, The, assignor.)

Berliner, Edwin E., & Co., New York, N. Y. Linen dress goods. 356,614; May 3; Serial No. 401,133; published Feb. 22, 1938. Class 42.

Best Foods, Inc., The. (See Northern Cocoanut-Butter Company, assignor.)

Betterton-Rupert Coffee Co., assignor to Betterton Coffee Company, Inc., Ashland, Ky. Roasted coffee. 122,672; renewed Sept. 10, 1938.

Bjelland, Chr., & Co. A/S, Stavanger, Norway. Canned fish. 356,514; May 3; Serial No. 381,552; published Aug. 24, 1937. Class 46.

Bloomingdale Bros., Inc., New York, N. Y. Dust protectors for lamp shades. 356,646; May 3. Class 50.

Bonzette Foundations, Inc., New York, N. Y. Brassières, body foundations, corsets, etc. 356,517; May 3; Serial No. 386,198; published Feb. 15, 1938. Class 39.

Borg-Warner Corporation. (See Norge Corporation.)

Borg-Warner Corporation, Detroit, Mich. Crockery, porcelain, and earthen cooking hollow ware, tableware, etc. 356,636; May 3. Class 50.

Bowers, Benjamin O., to Frank H. Reynolds, doing business as B. O. Bowers Co., New York, N. Y., successor. Canned sardines and canned shrimps. 122,634; renewed Sept. 3, 1938.

Boyle Manufacturing Company, Inc., Los Angeles, Calif. Cans, canteens, containers, and tanks. 120,545; renewed Feb. 19, 1938.

Bradley, Milton Company, Springfield, Mass. Board games. 356,555; May 3; Serial No. 398,663; published Feb. 22, 1938. Class 22.

Brewster Gordon & Co., assignor to Brewster, Gordon and Company, Inc., Rochester, N. Y. Tea. 122,430; renewed Aug. 20, 1938.

Brewster, Gordon & Co., assignor to Brewster, Gordon and Company, Inc., Rochester, N. Y. Tea. 122,635; renewed Sept. 3, 1938.

Bridgeport Thermostat Company, Inc., Bridgeport, Conn. Thermostat controls for automobile heaters. 356,563; May 3; Serial No. 399,124; published Feb. 22, 1938. Class 26.

Brown Instrument Company, The, Philadelphia and Wayne Junction, Philadelphia, Pa. Measuring and control instruments and apparatus for automatically controlling an operation. 356,521; May 3; Serial No. 392,475; published Feb. 22, 1938. Class 26.

Canada Dry Ginger Ale, Inc. (See Standard Bottling and Extract Co. Inc., assignor.)

Capex Company, The, Chicago, Ill. Cardboard and corrugated board window display forms, merchandise display stands, etc. 356,526; May 3; Serial No. 394,575; published Feb. 22, 1938. Class 50.

Capital Bakers, Inc., Harrisburg, Pa. Pies, cakes, doughnuts, etc. 356,599; May 3; Serial No. 400,629; published Feb. 22, 1938. Class 46.

Capital City Products Company, The. (See Kellogg Products Inc., assignor.)

Capital City Products Company, The. (See Morley, Wm. J., Inc., assignor.)

Central Fibre Products Company, Incorporated, Chicago, Ill. Boxes. 356,576; May 3; Serial No. 399,993; published Feb. 15, 1938. Class 2.

Churngold Corporation, The. (See Ohio Butterine Co., The, assignor.)

Clapp, Otis, & Son Inc., assignor to Otis Clapp & Son, Inc., Boston, Mass. Remedy for burns, a sedative and germicide. 122,578; renewed Aug. 27, 1938.

Clipshave, Inc., Port Chester, N. Y. Electrical shaving apparatus. 356,658; May 3. Class 23.

Collins Radio Company, Cedar Rapids, Iowa. Radio transmitters, electric both power and communications type transformers, etc. 356,554; May 3; Serial No. 398,613; published Jan. 11, 1938. Class 21.

Continental Piston Ring Company, Memphis, Tenn. Piston rings. 356,633; May 3; Serial No. 401,890; published Feb. 22, 1938. Class 35.

Cook, Lucius P., doing business as L. P. Cook, Memphis, Tenn. Field seeds. 356,519; May 3; Serial No. 389,973; published Feb. 22, 1938. Class 1.

Craven, David S., Jr., doing business as Whirl-Win Co., New York, N. Y. Game. 356,520; May 3; Serial No. 390,505; published Feb. 22, 1938. Class 22.

Creek Chub Bait Company, The, Garrett, Ind. Artificial fishing lure. 356,534; May 3; Serial No. 396,595; published Jan. 25, 1938. Class 22.

Crown Body Corporation, Ltd., Los Angeles, Calif. Motor driven buses, bus bodies, and structural parts therefor. 356,546; May 3; Serial No. 397,841; published Feb. 22, 1938. Class 19.

Cyclone Air Cleaner Company, Portland, Oreg. Dust traps. 356,642; May 3. Class 23.

Diamond Match Company, The, New York, N. Y. Paper napkins. 356,596; May 3; Serial No. 400,592; published Feb. 22, 1938. Class 37.

Dick, A. B., Company, Chicago, Ill. Duplicating ink. 356,553; May 3; Serial No. 398,568; published Feb. 22, 1938. Class 11.

Douglass, Earl L., Philadelphia, Pa. Column in a newspaper. 356,551; May 3; Serial No. 398,529; published Jan. 11, 1938. Class 38.

Duncan, Donald F., Inc., Chicago, Ill. Wooden toy. 356,616; May 3; Serial No. 401,242; published Feb. 8, 1938. Class 22.

Durlacque Manufacturing Company, St. Louis, Mo. Chemical cleaning compound. 122,867; renewed Sept. 24, 1938.

Duschock, Stephen M., doing business as Polamer Laboratories, Brooklyn, N. Y. Medicine. 356,648; May 3. Class 6.

Eastman Kodak Company, Jersey City, N. J., and New York, N. Y. Paper cutting machines or print trimmers. 356,579; May 3; Serial No. 400,094; published Feb. 22, 1938. Class 23.

Electrical Housekeeping, Inc., Manchester, Conn. Periodical. 356,564; May 3; Serial No. 399,130; published Feb. 22, 1938. Class 38.

Electrolux, Inc., New York, N. Y. Electric vacuum cleaners and accessories. 356,560–1; May 3; Serial Nos. 399,077–8; published Feb. 22, 1938. Class 21.

Elna S. A., Geneva, Switzerland. Sewing machines and parts thereof and containers and articles of furniture forming receptacles for and parts of sewing machines. 356,537; May 3; Serial No. 396,711; published Jan. 4, 1938. Class 23.

Essex Rubber Company, Trenton, N. J. Rubber heels. 356,602; May 3; Serial No. 400,725; published Feb. 15, 1938. Class 39.

Farmers Produce Company, Ltd., Brawley, Calif. Fresh vegetables. 356,625; May 3; Serial No. 401,525; published Feb. 22, 1938. Class 46.

Fischer Corporation, The, Glendale, Calif. Physical therapy apparatus. 356,538; May 3; Serial No. 396,870; published Feb. 22, 1938. Class 44.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 356,571; May 3; Serial No. 399,561; published Feb. 22, 1938. Class 42.

Fox River Butter Company, The, assignor, by mesne assignments, to Beatrice Creamery Company, Chicago, Ill. Butter. 121,773; renewed May 28, 1938.

Frances Citrus Association. (See San Joaquin Fruit Co., assignor.)

Frank & Meyer Neckwear Company, St. Louis, Mo. Neckwear. 356,552; May 3; Serial No. 398,533; published Feb. 15, 1938. Class 39.

Garlock Packing Company, The, Palmyra, N. Y. Leather packings, cups, washers, etc. 356,556; May 3; Serial No. 398,723; published Feb. 22, 1938. Class 35.

Gast Manufacturing Corporation, Bridgman, Mich. Spray painters. 356,649; May 3. Class 23.

Gem City Machines, Inc., Dayton, Ohio. Miniature shooting gallery. 356,580; May 3; Serial No. 400,411; published Jan. 25, 1938. Class 22.

General Fireproofing Company, The, Youngstown, Ohio. Card panels, and carriers, guide cards, and filing cards. 356,525; May 3; Serial No. 394,278; published Feb. 22, 1938. Class 37.

Goodrich, B. F., Company, The, Akron, Ohio, and New York, N. Y. Brake lining material. 356,627; May 3; Serial No. 401,570; published Feb. 22, 1938. Class 35.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Fan belts, hose, cord air pressure bags, etc. 356,531; May 3; Serial No. 396,075; published Feb. 15, 1938. Class 35.

Grant Chemical Co., Inc., New York, N. Y. Liquid medicine in vials or ampules. 356,647; May 3. Class 6.

Guth, Edwin F., Company, The, St. Louis, Mo. Electric lighting fixtures. 356,607; May 3; Serial No. 401,023; published Feb. 22, 1938. Class 21.

H & H Sales Company. (See Hardin, Philip N.)

Hall, Martin L., Company. (See Shapleigh Coffee Co., assignor.)

Hardin, Philip N., doing business as H & H Sales Company, Fortville, Ind. Ticket and punch board games. 356,586; May 3; Serial No. 400,372; published Feb. 15, 1938. Class 22.

Heller, B., & Company, assignor to B. Heller & Company, Chicago, Ill. Insecticide. 122,475; renewed Aug. 20, 1938.

Hensler, Jos., Brewing Co., The, Newark, N. J. Beer and ale. 356,620; May 3; Serial No. 401,436; published Feb. 22, 1938. Class 48.

Herkimer Fibre Company, The, Herkimer, N. Y., and Boston, Mass., assignor to International Paper Company, New York, N. Y. Leather-board. 122,463; renewed Aug. 20, 1938.

Hermanson, William A., doing business as William A. Hermanson & Co., Boston, Mass. Paper wrappers. 356,522; May 3; Serial No. 393,645; published Feb. 22, 1938. Class 37.

Holliday, W. J., & Co., Indianapolis, Ind. Steel. 356,640; May 3. Class 14.

Hut-Neckwear Co. Inc., New York, N. Y. Neckties and cravats. 356,542; May 3; Serial No. 397,408; published Feb. 15, 1938. Class 39.

International Looms Inc., New York, N. Y. Carpets, rugs, and upholstery fabrics. 356,610; May 3; Serial No. 401,060; published Feb. 22, 1938. Class 42.

International Paper Company. (See Herkimer Fibre Company, The, assignor.)

Interstate Shade Cloth Co., The, Hoboken, N. J. Shade-cloths. 122,085; renewed June 25, 1938.

Joint Rules Committee on Softball, Elizabeth, N. J. Bats and softballs. 356,535; May 3; Serial No. 396,635; published Feb. 22, 1938. Class 22.

Jones, Casey. (See Jones, Leonard.)

Jones, Leonard, doing business as Casey Jones, Los Angeles, Calif. Fresh citrus and deciduous fruits, fresh vegetables, and melons. 356,622; May 3; Serial No. 401,487; published Feb. 22, 1938. Class 46.

K & S Motor Products, Inc., The, Hillside, N. J. Filters for gases or liquids, and parts thereof. 356,577; May 3; Serial No. 400,058; published Feb. 22, 1938. Class 31.

Kellogg Products Inc., Buffalo, N. Y., assignor to The Capital City Products Company, Columbus, Ohio. Nut butter and margarin, etc. 121,785–7; renewed May 28, 1938.

Kessler, Louis, doing business as Novelty Games Co., New York, N. Y. Card number game. 356,544; May 3; Serial No. 397,811; published Nov. 9, 1937. Class 22.

Kilgore Manufacturing Company, The, Westerville, Ohio. Toy pistols. 356,630; May 3; Serial No. 401,744; published Feb. 22, 1938. Class 22.

Kirk, James S., & Company, Chicago, Ill., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Soap. 121,454; renewed Apr. 30, 1938.

Knickerbocker Textile Co., Inc., New York, N. Y. Silk, rayon, and acetate piece goods. 356,618; May 3; Serial No. 401,389; published Feb. 22, 1938. Class 42.

La Brea Securities Co., also doing business as Rosemary Packing Co., Los Angeles and Santa Maria, Calif. Fresh vegetables. 356,645; May 3. Class 46.

Laitner, A., & Sons, Detroit, Mich. Floor-brushes, window-brushes, etc. 122,715; renewed Sept. 10, 1938.

Literary Digest, Inc., The. (See Review of Reviews Corporation.)

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 356,523; May 3; Serial No. 393,657; published Feb. 22, 1938. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 356,524; May 3; Serial No. 393,659; published Feb. 22, 1938. Class 46.

Ludlow Manufacturing & Sales Co., Boston, Mass. Fish netting. 356,657; May 3. Class 42.

Mafera, Guy, Revere, Mass. Wedge assembly. 356,590; May 3; Serial No. 400,446; published Feb. 22, 1938. Class 13.

Magical Frocks, Inc., New York, N. Y. Dresses. 356,660; May 3. Class 39.

Maison Jeunelle-Seventeen, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 356,637; May 3. Class 6.

Markstein, Jonas S., doing business as Screeno Amusement Co., Chicago, Ill. Game. 356,518; May 3; Serial No. 387,305; published Feb. 22, 1938. Class 22.

Markwell Manufacturing Company, Inc., New York, N. Y. Stapling machines. 356,568–70; May 3; Serial Nos. 399,536–8; published Feb. 22, 1938. Class 23.

Marquis, Fanny O., New York, N. Y. Balanced food. 121,920; renewed June 11, 1938.

Martin's, Brooklyn, N. Y. Men's wearing apparel. 356,584; May 3; Serial No. 400,317; published Feb. 15, 1938. Class 39.

Marx & Kushner, New York, N. Y. Soap. 356,595; May 3; Serial No. 400,565; published Feb. 22, 1938. Class 4.

May Department Stores Company, The, New York, N. Y.; Baltimore, Md.; Akron and Cleveland, Ohio; Denver, Colo.; Los Angeles, Calif.; and St. Louis, Mo. Wax paper and toilet paper. 356,641; May 3. Class 37.

McCurrach Organisation Incorporated, New York, N. Y. Neckties and mufflers. 356,587; May 3; Serial No. 400,383; published Feb. 15, 1938. Class 39.

Mercoid Corporation, The, Chicago, Ill. Electric controls for electric switches, electric switches, and parts thereof. 356,608; May 3; Serial No. 401,029; published Feb. 22, 1938. Class 21.

Michael, Benjamin F., Laceyville, Pa., to B. F. Michael, Binghamton, N. Y. Medicinal preparation. 122,511; renewed Aug. 20, 1938.

Middletown Milk & Cream Co. Inc., Newark, N. J. Fresh milk. 356,572; May 3; Serial No. 399,801; published Feb. 22, 1938. Class 46.

Miller, I., and Sons, Inc., Long Island City, N. Y. Ladies' shoes. 356,575; May 3; Serial No. 399,974; published Feb. 15, 1938. Class 39.

Millville Manufacturing Company, The, Philadelphia, Pa. Hemmed diapers. 121,198; renewed Apr. 16, 1938.

Minty, Albert, London, England. Toilet creams. 121,315; renewed Apr. 23, 1938.

Mission Dry Corporation, Los Angeles, Calif. Beverages and extracts and syrups for preparing the same. 356,623; May 3; Serial No. 401,495; published Feb. 22, 1938. Class 45.

Mohawk Rubber Company, Akron, Ohio. Rubber tires. 121,805; renewed May 28, 1938.

Morey Mercantile Company, The, Denver, Colo. Cereal breakfast food, popcorn, citron-peels, etc. 122,514; renewed Aug. 20, 1938.

Mount Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton duck. 121,475; renewed Apr. 30, 1938.

Mount Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton duck. 121,806; renewed May 28, 1938.

Moxley, Wm. J., Inc., Chicago, Ill., assignor to The Capital City Products Company, Columbus, Ohio. Butterin or margarin. 122,730; renewed Sept. 10, 1938.

Mulford, H. K., Company, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Chemicals, medicines, and pharmaceutical preparations. 121,316; renewed Apr. 23, 1938.

Murphy, John P., Jr., Kenilworth, Ill. Pictorial publication. 356,539; May 3; Serial No. 396,928; published Feb. 22, 1938. Class 38.

National Blank Book Company, Holyoke, Mass. Bookkeeping binders, blank form sheets, blank books, etc. 356,557; May 3; Serial No. 398,783; published Feb. 22, 1938. Class 37.

National Casket Company, New York, N. Y., now by change of name National Casket Company, Inc., Boston, Mass. Padded casket linings and casket-pillows. 121,926; renewed June 11, 1938.

National Dollar Shirt Shops, Inc., assignor to National Shirt Shops of Delaware, Inc., New York, N. Y. Periodical publication. 121,479; renewed Apr. 30, 1938.

National Silver Deposit Ware Co., Inc., New York, N. Y. Cocktail shakers. 356,580; May 3; Serial No. 400,120; published Feb. 22, 1938. Class 13.

Natural Sugars, Inc., New York, N. Y. Fruit syrups for making nonalcoholic beverages. 356,605; May 3; Serial No. 400,989; published Jan. 25, 1938. Class 45.

New England Shortening Company, Pawtucket, R. I. Vegetable edible cotton-seed oil emulsion for shortening. 356,600; May 3; Serial No. 400,652; published Feb. 22, 1938. Class 46.

New Haven Quilt & Pad Company, The, New Haven, Conn. Comfortables. 356,606; May 3; Serial No. 400,920; published Feb. 22, 1938. Class 42.

New Orleans Import Co., Limited, New Orleans, La. Combination package of bird seed, bird cake, and cuttle bone. 356,540; May 3; Serial No. 397,224; published Jan. 4, 1938. Class 46.

Norge Corporation, Detroit, Mich., assignor to Borg-Warner Corporation, Air conditioning apparatus. 356,511; May 3; Serial No. 347,955; published Oct. 16, 1934. Class 34.

Northern Cocoanut-Butter Company, Minneapolis, Minn., assignor to The Best Foods, Inc., New York, N. Y. Oleomargarin. 122,606; renewed Aug. 27, 1938.

Norton Company, Worcester, Mass. Heat-refractory tubes, rods, cores, etc. 121,323; renewed Apr. 23, 1938.

Novelty Games Co. (See Kessler, Louis.)

Ohio Amusement Company, Inc., Columbus, Ohio. Coin controlled machine for dispensing popped corn. 356,543; May 3; Serial No. 397,676; published Feb. 22, 1938. Class 23.

Ohio Butterine Co., assignor to The Churngold Corporation, Cincinnati, Ohio. Oleomargarin. 122,809; renewed Sept. 17, 1938.

Oil Sprays, Inc., Yakima, Wash. Oil sprays for fruit trees, vines, and vegetables. 356,650; May 3. Class 6.

Olin Manufacturing Co., Oakland, Calif. Toasted corn kernels. 356,529; May 3; Serial No. 395,651; published Feb. 22, 1938. Class 46.



Otis Pressure Control, Inc., Dallas, Tex. Oil well tools and oil producing equipment. 356,656; May 3. Class 23.

Ozalid Corporation, New York, N. Y. Typewriter ribbons. 356,558; May 3; Serial No. 398,658; published Feb. 22, 1938. Class 11.

P. & M. Co., The, assignor to Poor & Company, Chicago, Ill. Metal, rail-anchors, anticreepers, etc. 122,226; renewed July 9, 1938.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Card game. 356,611; May 3; Serial No. 401,073; published Feb. 15, 1938. Class 22.

Parodi Cigar Company of New York, Inc., Scranton, Pa. Cigars. 356,659; May 3. Class 17.

Pennick & Gordon, Inc., Los Angeles, Calif. Firecrackers and fireworks. 356,565; May 3; Serial No. 399,390; published Jan. 11, 1938. Class 9.

Peters, W. J., & Cie., Cologne-Rodenkirchen, Germany. Tracing cloth. 356,548; May 3; Serial No. 398,172; published Feb. 22, 1938. Class 37.

Peters, W. J., & Cie., Cologne-Rodenkirchen, Germany. Architects' linen (tracing cloth). 356,549; May 3; Serial No. 398,174; published Feb. 22, 1938. Class 37.

Pioneer Manufacturing Company, Brooklyn, N. Y. Bowling game. 356,550; May 3; Serial No. 398,933; published Feb. 1, 1938. Class 22.

Pinaud Incorporated, New York, N. Y. Perfumery extracts. 356,513; May 3; Serial No. 365,477; published Feb. 15, 1938. Class 6.

Pioneer Rubber Company, The, Willard, Ohio. Toy balloons. 356,550; May 3; Serial No. 398,489; published Feb. 22, 1938. Class 22.

Polamer Laboratories. (See Duschock, Stephen M.)

Pollak, Victor F., Printing Company, San Francisco, Calif. Blank insurance policies. 356,638; May 3.

Poor & Company. (See P. & M. Co., The, assignor.)

Popular Magazines, Inc., Greenwich, Conn. Magazine. 356,545; May 3; Serial No. 397,617; published Feb. 15, 1938. Class 38.

Premier Bed & Spring Company, San Francisco, Calif. Bed springs, box springs, studio couches, etc. 356,635; May 3; Serial No. 401,947; published Feb. 22, 1938. Class 32.

Procter & Gamble Company, The. (See Kirk, James S., & Company, assignor.)

Quick Stop Brake Service. (See Welborn, R. J.)

Raleigh Watch Corporation, New York, N. Y. Watches, watch movements, clocks, etc. 356,644; May 3. Class 27.

Reflector & Illuminating Co., Chicago, Ill. Lamp reflectors. 356,591; May 3; Serial No. 400,468; published Feb. 22, 1938. Class 34.

Review of Reviews Corporation, New York, N. Y., now by change of name The Literary Digest, Inc. Weekly publication. 356,530; May 3; Serial No. 395,966; published Oct. 5, 1937. Class 38.

Reynolds, Frank H. (See Bowers, Benjamin O.)

Rhodes, James H., & Company, Chicago, Ill. Chamois-skins and sponges. 122,911; renewed Sept. 24, 1938.

Ritzenthaler, John, New York, N. Y. Polishing cloth for polishing metals. 356,573; May 3; Serial No. 399,857; published Feb. 22, 1938. Class 4.

Robinson Tag & Label Company, New York, N. Y. Labels, tags, button slots, etc. 356,578; May 3; Serial No. 400,068; published Feb. 22, 1938. Class 37.

Rossone & Lange, New York, N. Y. Ring and peg game. 356,628; May 3; Serial No. 401,620; published Feb. 15, 1938. Class 22.

Rosemary Packing Co. (See La Brea Securities Co.)

Rubin, Harold C., doing business as Rubin's Furs, Detroit, Mich. Genuine Alaskan sealskin coats. 356,639; May 3. Class 39.

San Joaquin Fruit Co., Tustin, assignor, by mesne assignments, to Frances Citrus Association, Santa Ana, Calif. Fresh citrus fruits. 122,822–3; renewed Sept. 17, 1938. Class 46.

Sattler's, Inc., Buffalo, N. Y. Shoes. 356,528; May 3; Serial No. 395,540; published Feb. 15, 1938. Class 39.

Schaller, Carleton, & Co., Inc., New York, N. Y. Linen piece goods. 356,665; May 3. Class 42.

Schenker, Michel & Weinstock, Inc., Chicago, Ill. Woolen piece goods. 356,597–8; May 3; Serial Nos. 400,616–7; published Feb. 22, 1938. Class 42.

Schwartz, Joseph, Brooklyn, N. Y. Mattresses. 356,582; May 3; Serial No. 400,209; published Feb. 8, 1938. Class 32.

Schwartz & Benjamin, Inc., New York, N. Y. Ladies' and misses' shoes. 356,574; May 3; Serial No. 399,939; published Feb. 15, 1938. Class 39.

Scott, Lawrence B., San Antonio, Tex. Metallic rods and elements for repairing cracked or broken castings. 356,634; May 3; Serial No. 401,907; published Feb. 22, 1938. Class 14.

Screeno Amusement Co. (See Markstein, Jonas S.)

Sears, Roebuck and Co., Chicago, Ill. Women's sport coats and hats and riding breeches. 356,601; May 3; Serial No. 400,637; published Feb. 15, 1938. Class 39.

Seven Seas Imports, Ltd., New York, N. Y. Nonalcoholic beverages. 356,617; May 3; Serial No. 401,319; published Feb. 22, 1938. Class 45.

Shapleight Coffee Co., assignor to Martin L. Hall Company, Boston, Mass. Coffee. 122,824; renewed Sept. 17, 1938.

Sharp & Dohme, Incorporated. (See Mulford, H. K., Company.)

Shurkatch Fishing Tackle Co. Inc., The, Richfield Springs, N. Y. Wood minnows, spinning minnows, artificial bait, etc. 356,527; May 3; Serial No. 394,682; published Jan. 25, 1938. Class 22.

Sifo Products Company, St. Paul, Minn., assignor to United States Gypsum Company, Chicago, Ill. Asphalt roofing. 121,218; renewed Apr. 16, 1938.

Singer Manufacturing Company, The, New York, N. Y. Decalcomania transfers. 356,585; May 3; Serial No. 400,356; published Feb. 22, 1938. Class 38.

Smith, Kenneth, Lenexa, Kans. Golf clubs and parts thereof. 356,624; May 3; Serial No. 401,511; published Feb. 15, 1938. Class 22.

Smith, Landon P., Inc., Irvington, N. J. Glass-cutters and parts thereof, putty knives, razors, etc. 356,515; May 3; Serial No. 385,908; published Feb. 22, 1938. Class 22.

Smith, T. J., & Nephew, Limited, Hull, England. Crepe medical and surgical bandages and crepe surgical dressings, non-medicated. 356,583; May 3; Serial No. 400,253; published Feb. 22, 1938. Class 44.

Spartan Saw Works, Inc., Springfield, Mass. Metal cutting saws. 356,643; May 3. Class 23.

Spencerian Pen Company, The, New York, N. Y. Writing pens. 356,562; May 3; Serial No. 399,118; published Feb. 22, 1938. Class 37.

Spencerian Pen Company, The, New York, N. Y. Writing pens. 356,567; May 3; Serial No. 399,525; published Feb. 22, 1938. Class 37.

Standard Bottling and Extract Co. Inc., Boston, Mass., assignor, by mesne assignments, to Canada Dry Ginger Ale, Inc., New York, N. Y. Beverages. 121,103; renewed Apr. 2, 1938.

Stanley, John T., Co., Inc., New York, N. Y. Talcum power, perfumery, and cold-cream. 121,102; renewed Apr. 2, 1938.

Steinhardt Company, Inc., The, New York, N. Y. Whiskey, gin, rum, etc. 356,631; May 3; Serial No. 401,377; published Feb. 22, 1938. Class 49.

Stockdale Fertilizer Company. (See Weitz, Henry J.)

Stoeger, A. F., Inc., New York, N. Y. Rifle telescopes, binoculars, and field glasses. 356,615; May 3; Serial No. 401,200; published Feb. 22, 1938. Class 26.

Thomas Medicine Co., to Thomas Medicine Co., Allentown, Pa., successor. Salve. 117,379; renewed July 3, 1937.

Tri-State Development Corporation, Burnsville, N. C., and Washington, D. C. Cleansing, scouring, and polishing material. 356,541; May 3; Serial No. 397,235; published Nov. 30, 1937. Class 4.

Tri-Valley Packing Association, San Francisco, Calif. Canned fruits. 356,603; May 3; Serial No. 400,735; published Feb. 22, 1938. Class 46.

Trubenizing Process Corporation, New York, N. Y. Machines for use in making collars, cuffs, and the like. 356,612; May 3; Serial No. 401,122; published Feb. 22, 1938. Class 23.

Tru-Flex Rubber Products Company, Los Angeles, Calif. Tire repair patches. 356,532; May 3; Serial No. 396,520; published Feb. 15, 1938. Class 35.

United States Gypsum Company. (See Sifo Products Company, assignor.)

Upson-Walton Company, The, Cleveland, Ohio. Brattice cloth. 356,652–5; May 3. Class 42.

Wadsworth Watch Case Company, Dayton, Ky., Watch-cases and watch-movements. 122,933; renewed Sept. 24, 1938.

Wahnetah Silk Company, Inc., New York, N. Y. Neckties. 356,581; May 3; Serial No. 400,144; published Feb. 15, 1938. Class 39.

Walker, J. C., Brothers, Inc., Exmore, Va. Oysters and salt-water fish. 356,629; May 3; Serial No. 401,628; published Feb. 22, 1938. Class 46.

Warner Brothers Company, The, Bridgeport, Conn. Brassières. 356,613; May 3; Serial No. 401,123; published Feb. 15, 1938. Class 39.

Waterman, Max, New York, N. Y. Fresh fruits and vegetables. 122,763; renewed Sept. 10, 1938.

Wathen, John A., Distillery Co., Louisville and Lebanon, Ky. Whiskey. 356,512; May 3; Serial No. 357,106; published Feb. 22, 1938. Class 49.

Weiss & Klau Co., The, New York, N. Y. Kitchen window drapes, shelf edgings, scarfs, etc. 356,621; May 3; Serial No. 401,461; published Feb. 22, 1938. Class 42.

Weitz, Henry J., doing business as Stockdale Fertilizer Company, Morris, Ill. Fertilizer. 356,619; May 3; Serial No. 401,409; published Feb. 22, 1938. Class 10.

Welborn, R. J., doing business as Quick Stop Brake Service, Kansas City, Mo. Brake dressing. 356,651; May 3. Class 4.

Wells Historical Museum, Southbridge, Mass. Antique and reproductions of antique household furniture. 356,516; May 3; Serial No. 386,136; published Feb. 15, 1938. Class 32.

Wheelis, John A., Havre, Mont., to John A. Wheelis, Sacramento, Calif. Preparation for rheumatism. 121,111; renewed Apr. 2, 1938.

Whirl-Win Co. (See Craven, David S., Jr.)

Winne, Frank W., & Son Incorporated, Philadelphia, Pa. Twine and rope. 356,604; May 3; Serial No. 400,890; published Feb. 22, 1938. Class 7.
Witkowski, Joseph S., doing business as Witt Packing Co., Chicago, Ill. Prepared dog food. 356,663; May 3. Class 46.
Witt Packing Co. (See Witkowski, Joseph S.)
Wright, E. H., Company, The, Ltd., Kansas City, Mo. Barbecue sauce. 356,566; May 3; Serial No. 399,490; published Feb. 22, 1938. Class 46.
Young, Richard, Company, New York, N. Y. Leather. 122,912; renewed Sept. 24, 1938.

## LIST OF REGISTRANTS OF LABELS

Atwood Grapefruit Company, The, Manavista, Fla. Atwood. For Fresh Grapefruit. 51,061; May 3.
Boone Hall Plantation, Mount Pleasant, S. C. Wando Wonders. For Tomatoes. 51,062; May 3.
Bray Chemical Co., Chicago, Ill. Zephyr. For Lye. 51,063; May 3.
Bray Chemical Co., Chicago, Ill. Farmyard. For Lye. 51,064; May 3.
Brown & Williamson Tobacco Corporation, Louisville, Ky. Pipe Major. For Smoking Tobacco. 51,065; May 3.
Brownback, Lillian H., doing business as Qui Sait Co., New York, N. Y. Q. T. Gum. For a Gum for Removing from the Breath All Odors of Liquor, Tobacco, Onions and Garlic. 51,066; May 3.
Burgess, C. F., Laboratories, Inc., Chicago, Ill. Burgess Air Filter. For Air Filters. 51,067; May 3.
Calvert Hats, Inc., Baltimore, Md. Baronet. For Men's Hats. 51,068; May 3.
Calvert Hats, Inc., Baltimore, Md. Bond Street. For Men's Hats. 51,069; May 3.
Calvert Hats, Inc., Baltimore, Md. Challenger. For Men's Hats. 51,070; May 3.
Calvert Hats, Inc., Baltimore, Md. Coronet. For Men's Hats. 51,071; May 3.
Calvert Hats, Inc., Baltimore, Md. Lord Calvert. For Men's Hats. 51,072; May 3.
Calvert Hats, Inc., Baltimore, Md. Trump. For Men's Hats. 51,073; May 3.
Clayton, A. C., Printing Co., St. Louis, Mo. Fine Footwear. For Footwear. 51,074–5; May 3.
Dressel Collins Fish Co., Seattle, Wash. Ocean Beauty. For Canned Salmon. 51,076; May 3.
Darling, Jacob B., Indianapolis, Ind. No-Lek. For Pipe Joint Compound. 51,077; May 3.
Dixon Flavor & Extract Co., San Francisco, Calif. All Over the World Since 1903. For Flavor Base for Fountain Syrups. 51,078; May 3.
Falernum. (See Greaves, Pauline Y. and R. K.)
Flint Ridge Products Co. (See Irwin, Forrest G.)
Folts, C., doing business as C. Folts Bakery, Findlay, Ohio. It's Tops. For Bread. 51,079; May 3.
Glassine & Greaseproof Manufacturers Association, The, New York, N. Y. Baglass. For Baglass Paper. 51,080; May 3.
Greaves, Pauline Y. and R. K., doing business as Falernum, Fontana, Calif. Sevaerg Fal-er-num. For Liqueur. 51,081; May 3.
Greaves, Pauline Y. and R. K., doing business as Falernum, Fontana, Calif. Sevaerg Swizzle. For Cocktails. 51,082; May 3.
Hall, Martin L., Company, Boston, Mass. Victor the Ripe Coffee. For Coffee. 51,083; May 3.
Hirsch-Weis Manufacturing Company, Portland, Oreg. Java Jacket. For Jackets. 51,084; May 3.
Irwin, Forrest G., doing business as Flint Ridge Products Co., Newark, Ohio. Skram Cleaner. For Waterless Cleaner for All Painted Surfaces. 51,085; May 3.
Markwell Manufacturing Company, Inc., New York, N. Y. Markwell RF Staples. For Staples. 51,086; May 3.
Professional Laboratories, Inc., New York, N. Y. Tri-Costivin. For Preparation Containing Vitamins B and G, Extracts of Duodenum Gland and Gall Bladder, Lacto-Banana Concentrate, Trilactic, Bile Extract and Agar-Karaya Gum. 51,087; May 3.
Qui Sait Co. (See Brownback, Lillian H.)
Torsch Canning Co., The, Baltimore, Md. Torsch's Conqueror. For No. 3 Sieve Small Whole Green Beans. 51,088; May 3.
Vim Laboratories, Chicago, Ill. 3 A M. For a Carbonated Beverage. 51,089; May 3.

## LIST OF REGISTRANTS OF PRINTS

Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Daytex Cord. For Tires. 16,784; May 3.
Hampden Brewing Company, Williamansett, Mass. On the Level. For Ale and Beer. 16,785; May 3.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. Did You Ever See Striped Fields. For Pineapple Juice. 16,786; May 3.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. How Dole Pineapples Leave Home. For Pineapple Juice. 16,787; May 3.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. They Treat These Pineapples Like Little Princes. For Pineapple Juice. 16,788; May 3.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. These Pineapples are Pampered Like Infant Royalty. For Pineapple Juice. 16,789; May 3.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. If You Could Only See These Lush, Teeming Fields. For Pineapple Juice. 16,790; May 3.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. The North Wind Doth Blow. For Pineapple Juice. 16,791; May 3.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. So Shiny and Sweet Smelling. For Pineapple Juice. 16,792; May 3.
Hoffman, S. L., & Co., Inc., New York, N. Y. Slimmer . . . $1 . . . New! Reversible! Self-Adjusting! Size Reducing! For Utility Frocks. 16,793; May 3.
Lee, H. D., Mercantile Co., The, Kansas City, Mo. Lee Color-Matched Shirts and Pants. For Shirts and Pants. 16,794; May 3.
Miles Shoes, Inc., New York, N. Y. A Friend of the Family. For Shoes. 16,795; May 3.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 922. For Beer. 16,796; May 3.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 923. For Beer. 16,797; May 3.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 926. For Beer. 16,798; May 3.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 927. For Beer. 16,799; May 3.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 928. For Beer. 16,800; May 3.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 929. For Beer. 16,801; May 3.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 937. For Beer. 16,802; May 3.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 938. For Beer. 16,803; May 3.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 942. For Beer. 16,804; May 3.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 949. For Beer. 16,805; May 3.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 963. For Beer. 16,806; May 3.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 975. For Beer. 16,807; May 3.
Tasty Baking Company, Philadelphia, Pa. Tasty-Pie. For Pie. 16,808; May 3.
Tasty Baking Company, Philadelphia, Pa. Baker's Magic. For Pie. 16,809; May 3.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED

### CLASS 1

Chamois-skins and sponges. James H. Rhodes & Company. 122,911; renewed Sept. 24, 1938.
Leather. Barrett & Company. 356,593; May 3; Serial No. 400,490; published Feb. 22, 1938.
Leather. Richard Young Company. 122,012; renewed Sept. 24, 1938.
Seeds, Field. L. P. Cook. 356,519; May 3; Serial No. 389,973; published Feb. 22, 1938.

### CLASS 2

Boxes. Central Fibre Products Company. 356,576; May 3; Serial No. 399,993; published Feb. 15, 1938.
Cans, canteens, containers, and tanks. Boyle Manufacturing Company. 120,545; renewed Feb. 19, 1938.

### CLASS 4

Brake dressing. R. J. Welborn. 356,651; May 3.
Cleaning compound, Chemical. Durlacque Manufacturing Company. 122,867; renewed Sept. 24, 1938.
Cleaning, scouring, and polishing material. Tri-State Development Corporation. 356,541; May 3; Serial No. 397,235; published Nov. 30, 1937.
Cloth for polishing metals, Polishing. J. Ritzenthaler. 356,573; May 3; Serial No. 399,857; published Feb. 22, 1938.
Soap. James S. Kirk & Company. 121,454; renewed Apr. 30, 1938.
Soap. Marx & Kushner. 356,595; May 3; Serial No. 400,565; published Feb. 22, 1938.

### CLASS 6

Astringents, astringent cerates, bleach creams, etc. Maison Jeurelle-Seventeen, Inc. 356,637; May 3.
Chemicals, medicines, and pharmaceutical preparations. H. K. Mulford Company. 121,316; renewed Apr. 23, 1938.
Creams, Toilet. A. Minty. 121,315; renewed Apr. 23, 1938.
Insecticide. B. Heller & Company. 122,475; renewed Aug. 20, 1938.
Medicine. S. M. Duschock. 356,648; May 3.
Medicine in vials or ampules, Liquid. Grant Chemical Co. 356,647; May 3.
Medicinal preparation. B. F. Michael. 122,511; renewed Aug. 20, 1938.
Oil sprays for fruit trees, vines, and vegetables. Oil Sprays, Inc. 356,650; May 3.
Perfumery extracts. Pinaud Incorporated. 356,513; May 3; Serial No. 365,477; published Feb. 15, 1938.
Preparation for rheumatism. J. A. Wheelis. 121,111; renewed Apr. 2, 1938.
Remedy for burns, a sedative and germicide. Otis Clapp & Son Inc. 122,578; renewed Aug. 27, 1938.
Salve. Thomas Medicine Co. 117,379; renewed July 3, 1937.
Talcum powder, perfumery, and cold-cream. John T. Stanley Co. 121,102; renewed Apr. 2, 1938.

### CLASS 7

Twine and rope. Frank W. Winne & Son Incorporated. 356,604; May 3; Serial No. 400,890; published Feb. 22, 1938.

### CLASS 9

Firecrackers and fireworks. Pensick and Gordon, Inc. 356,565; May 3; Serial No. 399,390; published Jan. 11, 1938.

### CLASS 10

Fertilizer. H. J. Weits. 356,619; May 3; Serial No. 401,409; published Feb. 22, 1938.

### CLASS 11

Ink, Duplicating. A. B. Dick Company. 356,553; May 3; Serial No. 398,568; published Feb. 22, 1938.
Typewriter ribbons. Ozalid Corporation. 356,558; May 3; Serial No. 398,858; published Feb. 22, 1938.

### CLASS 12

Roofing, Asphalt. Sifo Products Company. 121,218; renewed Apr. 16, 1938.

### CLASS 13

Cookers, Base metal. Aluminum Goods Mfg. Co. 356,536; May 3; Serial No. 396,658; published Jan. 25, 1938.
Shakers, Cocktail. National Silver Deposit Ware Co. 356,580; May 3; Serial No. 400,120; published Feb. 22, 1938.
Wedge assembly. G. Mafera. 356,590; May 3; Serial No. 400,446; published Feb. 22, 1938.

### CLASS 14

Metal, rail-anchors, anticreepers, etc. P. & M. Co. 122,226; renewed July 9, 1938.
Rods and elements for repairing cracked or broken castings, Metallic. L. B. Scott. 356,634; May 3; Serial No. 401,907; published Feb. 22, 1938.
Steel. W. J. Holliday & Co. 356,640; May 3.

### CLASS 17

Cigars. Parodi Cigar Company of New York, Inc. 356,659; May 3.

### CLASS 19

Buses, bus bodies, and structural parts therefor, Motor driven. Crown Body Corporation. 356,546; May 3; Serial No. 397,841; published Feb. 22, 1938.

### CLASS 21

Controls for electric switches, electric switches, and parts thereof, Electric. Mercoid Corporation. 356,608; May 3; Serial No. 401,029; published Feb. 22, 1938.
Electric vacuum cleaners and accessories. Electrolux, Inc. 356,560–1; May 3; Serial Nos. 399,077–8; published Feb. 22, 1938.
Lighting fixtures, Electric. Edwin F. Guth Company. 356,607; May 3; Serial No. 401,023; published Feb. 22, 1938.
Radio transmitters, electric both power and communications type transformers, etc. Collins Radio Company. 356,554; May 3; Serial No. 398,613; published Jan. 11, 1938.

### CLASS 22

Bats and softballs. Joint Rules Committee on Softball. 356,535; May 3; Serial No. 396,635; published Feb. 22, 1938.
Bowling game. Piesen Manufacturing Company. 356,559; May 3; Serial No. 398,933; published Feb. 1, 1938.
Fishing lure, Artificial. Creek Chub Bait Company. 356,534; May 3; Serial No. 396,595; published Jan. 25, 1938.
Game. D. S. Craven, Jr. 356,520; May 3; Serial No. 390,505; published Feb. 22, 1938.
Game. J. S. Markstein. 356,518; May 3; Serial No. 387,305; published Feb. 22, 1938.
Game, Card. Parker Brothers, Inc. 356,611; May 3; Serial No. 401,073; published Feb. 15, 1938.
Game, Card number. L. Kessler. 356,544; May 3; Serial No. 397,811; published Nov. 9, 1937.
Game, Ring and peg. Ronzone & Lange. 356,628; May 3; Serial No. 401,620; published Feb. 15, 1938.
Games, Board. Milton Bradley Company. 356,555; May 3; Serial No. 398,663; published Feb. 22, 1938.
Games, Ticket and punch board. P. N. Hardin. 356,586; May 3; Serial No. 400,372; published Feb. 15, 1938.
Golf clubs and parts thereof. K. Smith. 356,624; May 3; Serial No. 401,511; published Feb. 15, 1938.
Minnows, spinning minnows, artificial bait, etc., Wood. Shurkatch Fishing Tackle Co. Inc. 356,527; May 3; Serial No. 394,682; published Jan. 25, 1938.
Shooting gallery, Miniature. Gem City Machines, Inc. 356,589; May 3; Serial No. 400,411; published Jan. 25, 1938.
Toy balloons. Pioneer Rubber Company. 356,550; May 3; Serial No. 398,489; published Feb. 22, 1938.
Toy pistols. Kilgore Manufacturing Company. 356,630; May 3; Serial No. 401,744; published Feb. 22, 1938.
Toy, Wooden. Donald F. Duncan, Inc. 356,616; May 3; Serial No. 401,242; published Feb. 8, 1938.

### CLASS 23

Coin controlled machine for dispensing popped corn. Ohio Amusement Company. 356,543; May 3; Serial No. 397,676; published Feb. 22, 1938.
Dust traps. Cyclone Air Cleaner Company. 356,642; May 3.
Glass-cutters, and parts thereof, putty knives, razors, etc. Landon P. Smith, Inc. 356,515; May 3; Serial No. 385,908; published Feb. 22, 1938.
Machines for use in making collars, cuffs, and the like. Trubenizing Process Corporation. 356,612; May 3; Serial No. 401,122; published Feb. 22, 1938.
Paper cutting machines or print trimmers. Eastman Kodak Company. 356,579; May 3; Serial No. 400,094; published Feb. 22, 1938.
Saws, Metal cutting. Spartan Saw Works, Inc. 356,643; May 3.
Sewing machines and parts thereof and containers and articles of furniture forming receptacles for and parts of sewing machines. Elna S. A. 356,537; May 3; Serial No. 396,711; published Jan. 4, 1938.
Shaving apparatus, Electrical. Clipshave, Inc. 356,658; May 3.
Spray painters. Gast Manufacturing Corporation. 356,649; May 3.
Stapling machines. Markwell Manufacturing Company. 356,568–70; May 3; Serial Nos. 399,536–8; published Feb. 22, 1938.
Tools and oil producing equipment, Oil well. Otis Pressure Control, Inc. 356,656; May 3.

CLASS 26

Measuring and control instruments and apparatus for automatically controlling an operation. Brown Instrument Company. 356,521; May 3; Serial No. 392,475; published Feb. 22, 1938.
Telescopes, binoculars, and field glasses, Rifle. A. F. Stoeger, Inc. 356,615; May 3; Serial No. 401,200; published Feb. 22, 1938.
Thermostat controls for automobile heaters. Bridgeport Thermostat Company. 356,563; May 3; Serial No. 399,124; published Feb. 22, 1938.
Tubes, rods, cores, bricks, etc., Heat-refractory. Norton Company. 121,323; renewed Apr. 23, 1938.

CLASS 27

Watchcases and watch-movements. Wadsworth Watch Case Company. 122,933; renewed Sept. 24, 1938.
Watches, watch movements, clocks, etc. Raleigh Watch Corporation. 356,644; May 3.

CLASS 29

Brushes, window-brushes, etc., Floor. A. Laitner & Sons. 122,715; renewed Sept. 10, 1938.

CLASS 30

Crockery, porcelain, and earthen cooking hollow ware, tableware, etc. Borg-Warner Corporation. 356,636; May 3.

CLASS 31

Filters for gases or liquids, and parts thereof. K & S Motor Products, Inc. 356,577; May 3; Serial No. 400,058; published Feb. 22, 1938.

CLASS 32

Bed springs, box springs, studio couches, etc. Premier Bed & Spring Company. 356,635; May 3; Serial No. 401,947; published Feb. 22, 1938.
Casket-linings and casket-pillows, Padded. National Casket Company. 121,926; renewed June 11, 1938.
Furniture, Antique and reproductions of antique household. Wells Historical Museum. 356,516; May 3; Serial No. 386,136; published Feb. 15, 1938.
Mattresses. J. Schwartz. 356,582; May 3; Serial No. 400,209; published Feb. 8, 1938.
Mattresses, box springs, and studio couches. Antiseptic Mattress Co. 356,632; May 3; Serial No. 401,881; published Feb. 22, 1938.
Pad, High chair. L. Albert. 356,547; May 3; Serial No. 397,922; published Feb. 8, 1938.

CLASS 34

Air conditioning apparatus. Norge Corporation. 356,517; May 3; Serial No. 347,955; published Oct. 18, 1934.
Air conditioning units. American-Simplex Corporation. 356,533; May 3; Serial No. 396,555; published Feb. 22, 1938.
Machines for cutting and welding metal by means of gases. Air Reduction Sales Company. 356,594; May 3; Serial No. 400,546; published Feb. 22, 1938.
Reflectors, Lamp. Reflector & Illuminating Co. 356,591; May 3; Serial No. 400,468; published Feb. 22, 1938.

CLASS 35

Belts, hose, cord air pressure bags, etc., Fan. B. F. Goodrich Company. 356,531; May 3; Serial No. 396,075; published Feb. 15, 1938.
Brake lining materials. B. F. Goodrich Company. 356,627; May 3; Serial No. 401,570; published Feb. 22, 1938.
Packings, cups, washers, etc., Leather. Garlock Packing Company. 356,556; May 3; Serial No. 398,723; published Feb. 22, 1938.
Patches, Tire repair. Tru-Flex Rubber Products Company. 356,532; May 3; Serial No. 396,520; published Feb. 15, 1938.
Piston rings. Continental Piston Ring Company. 356,633; May 3; Serial No. 401,800; published Feb. 22, 1938.
Tires, Rubber. Mohawk Rubber Company. 121,805; renewed May 28, 1938.

CLASS 37

Binders, blank form sheets, blank books, etc., Bookkeeping. National Blank Book Company. 356,557; May 3; Serial No. 398,783; published Feb. 22, 1938.
Blank insurance policies. Victor F. Pollak Printing Company. 356,638; May 3.
Card panels, card carriers, guide cards, and filing cards. General Fireproofing Company. 356,525; May 3; Serial No. 394,278; published Feb. 22, 1938.
Labels, tags, button slots, etc. Robinson Tag & Label Company. 356,578; May 3; Serial No. 400,068; published Feb. 22, 1938.
Linen (tracing cloth), Architects'. W. J. Peters & Cie. 356,549; May 3; Serial No. 398,174; published Feb. 22, 1938.
Paper and toilet paper, Wax. May Department Stores Company. 356,641; May 3.
Paper napkins. Diamond Match Company. 356,596; May 3; Serial No. 400,592; published Feb. 22, 1938.
Pens, Writing. Spencerian Pen Company. 356,562; May 3; Serial No. 399,118; published Feb. 22, 1938.
Pens, Writing. Spencerian Pen Company. 356,567; May 3; Serial No. 399,525; published Feb. 22, 1938.
Tracing cloth. W. J. Peters & Cie. 356,548; May 3; Serial No. 398,172; published Feb. 22, 1938.
Wrappers, Paper. W. A. Hermanson. 356,522; May 3; Serial No. 393,645; published Feb. 22, 1938.

CLASS 38

Column in a newspaper. E. L. Douglass. 356,551; May 3; Serial No. 398,529; published Jan. 11, 1938.
Decalcomania transfers. Singer Manufacturing Company. 356,585; May 3; Serial No. 400,356; published Feb. 22, 1938.
Magazine. Popular Magazines, Inc. 356,545; May 3; Serial No. 397,817; published Feb. 15, 1938.
Periodical. Electrical Housekeeping, Inc. 356,564; May 3; Serial No. 399,130; published Feb. 22, 1938.
Publication, Pictorial. J. P. Murphy, Jr. 356,539; May 3; Serial No. 396,928; published Feb. 22, 1938.
Publication, Periodical. National Dollar Shirt Shops, Inc. 121,479; renewed Apr. 30, 1938.
Publication, Weekly. Review of Reviews Corporation. 356,530; May 3; Serial No. 395,966; published Oct. 5, 1937.

CLASS 39

Apparel, Men's wearing. Martin's. 356,584; May 3; Serial No. 400,317; published Feb. 15, 1938.
Brassières. Warner Brothers Company. 356,613; May 3; Serial No. 401,123; published Feb. 15, 1938.
Brassières, body foundations, corsets, etc. Bonzette Foundations, Inc. 356,517; May 3; Serial No. 386,198; published Feb. 15, 1938.
Coats and hats, and riding breeches, Women's sport. Sears, Roebuck and Co. 356,601; May 3; Serial No. 400,657; published Feb. 15, 1938.
Coats and suits, Women's. J. Ash. 356,661; May 3.
Coats, Genuine Alaskan sealskin. H. C. Rubin. 356,639; May 3.
Diapers, Hemmed. Millville Manufacturing Company. 121,198; renewed Apr. 16, 1938.
Dresses. Magical Frocks, Inc. 356,660; May 3.
Heels, Rubber. Essex Rubber Company. 356,602; May 3; Serial No. 400,725; published Feb. 15, 1938.
Neckties. Wahnetah Silk Company. 356,581; May 3; Serial No. 400,144; published Feb. 15, 1938.
Neckties and cravats. Hut Neckwear Co. Inc. 356,542; May 3; Serial No. 397,408; published Feb. 15, 1938.
Neckties and mufflers. McCurrach Organization Incorporated. 356,587; May 3; Serial No. 400,383; published Feb. 15, 1938.
Neckwear. Frank & Meyer Neckwear Company. 356,552; May 3; Serial No. 398,533; published Feb. 15, 1938.
Shoes. Sattler's, Inc. 356,528; May 3; Serial No. 395,540; published Feb. 15, 1938.
Shoes, Ladies'. I. Miller and Sons, Inc. 356,575; May 3; Serial No. 399,974; published Feb. 15, 1938.
Shoes, Ladies' and misses. Schwartz & Benjamin, Inc. 356,574; May 3; Serial No. 399,939; published Feb. 15, 1938.
Suits, coats, vests, etc. Baker Clothes, Inc. 356,588; May 3; Serial No. 400,396; published Feb. 15, 1938.

CLASS 42

Carpets, rugs, and upholstery fabrics. International Looms Inc. 356,610; May 3; Serial No. 401,060; published Feb. 22, 1938.
Cloth, Brattice. Upson-Walton Company. 356,652–5; May 3.
Comfortables. New Haven Quilt & Pad Company. 356,606; May 3; Serial No. 400,920; published Feb. 22, 1938.
Cotton and woolen and combinations thereof in the piece. William L. Barrell Company. 356,609; May 3; Serial No. 401,046; published Feb. 22, 1938.
Drapes, shelf edgings, scarfs, etc., Kitchen window. Weiss & Klau Co. 356,621; May 3; Serial No. 401,461; published Feb. 22, 1938.
Duck, Cotton. Mount Vernon-Woodberry Mills, Inc. 121,475; renewed Apr. 30, 1938.
Duck, Cotton. Mount Vernon-Woodberry Mills, Inc. 121,806; renewed May 28, 1938.
Linen dress goods. Edwin E. Berliner & Co. 356,614; May 3; Serial No. 401,133; published Feb. 22, 1938.
Linen piece goods. Carleton Schalier & Co. 356,665; May 3.
Netting, Fish. Ludlow Manufacturing & Sales Co. 356,657; May 3.
Shade-cloth. Interstate Shade Cloth Co. 122,085; renewed June 25, 1938.
Silk, rayon, and acetate piece goods. Knickerbocker Textile Co. 356,618; May 3; Serial No. 401,380; published Feb. 22, 1938.
Woolen piece goods. Forstmann Woolen Co. 356,571; May 3; Serial No. 399,561; published Feb. 22, 1938.
Woolen piece goods. Schenker, Michel & Weinstock, Inc. 356,597–8; May 3; Serial Nos. 400,616–7; published Feb. 22, 1938.

CLASS 44

Bandages and crepe surgical dressings, non-medicated, Crepe medical and surgical. T. J. Smith & Nephew, Limited. 356,583; May 3; Serial No. 400,253; published Feb. 22, 1938.



Physical therapy apparatus. Fischer Corporation. 356,538; May 3; Serial No. 396,870; published Feb. 22, 1938.

CLASS 45

Beverages. Standard Bottling and Extract Co. Inc. 121,103; renewed Apr. 2, 1938.
Beverages, Nonalcoholic. Seven Seas Imports, Ltd. 356,617; May 3; Serial No. 401,319; published Feb. 22, 1938.
Beverages and extracts and syrups for preparing the same. Mission Dry Corporation. 356,623; May 3; Serial No. 401,495; published Feb. 22, 1938.
Fruit syrups for making nonalcoholic beverages. Natural Sugars, Inc. 356,605; May 3; Serial No. 400,989; published Jan. 25, 1938.

CLASS 46

Bird seed, bird cake, and cuttle bone, Combination package of. New Orleans Import Co. 356,540; May 3; Serial No. 397,224; published Jan. 4, 1938.
Butter. Fox River Butter Company. 121,773; renewed May 28, 1938.
Butterin or margarin. Wm. J. Moxley, Inc. 122,730; renewed Sept. 10, 1938.
Canned fish. Chr. Bjelland & Co. A/S. 356,514; May 3; Serial No. 381,552; published Aug. 24, 1937.
Canned fruits. Tri-Valley Packing Association. 356,603; May 3; Serial No. 400,735; published Feb. 22, 1938.
Canned fruits and canned vegetables. C. E. Aulabaugh. 356,662; May 3.
Canned sardines and canned shrimp. B. O. Bowers. 122,634; renewed Sept. 3, 1938.
Cereal breakfast food, popcorn, citron-peels, etc. Morey Mercantile Company. 122,514; renewed Aug. 20, 1938.
Cheese. Antolini & Co. 356,592; May 3; Serial No. 400,483; published Feb. 22, 1938.
Coffee. Shapleigh Coffee Co., 122,824; renewed Sept. 17, 1938.
Coffee, Roasted. Betterton-Rupert Coffee Co. 122,672; renewed Sept. 10, 1938.
Confections, Frozen. Joe Lowe Corporation. 356,523; May 3; Serial No. 393,657; published Feb. 22, 1938.
Confections, Frozen. Joe Lowe Corporation. 356,524; May 3; Serial No. 393,659; published Feb. 22, 1938.
Corn kernels, Toasted. Olin Manufacturing Co. 356,529; May 3; Serial No. 395,651; published Feb. 22, 1938.
Food, Balanced. F. O. Marquis. 121,920; renewed June 11, 1938.
Food, Prepared dog. J. S. Witkowski. 356,663; May 3.
Fruits and vegetables, Fresh. M. Waterman. 122,763; renewed Sept. 10, 1938.
Fruits, Fresh citrus. San Joaquin Fruit Co. 122,822–3; renewed Sept. 17, 1938.
Fruits, fresh vegetables, and melons, Fresh citrus and deciduous. L. Jones. 356,622; May 3; Serial No. 401,487; published Feb. 22, 1938.
Milk, Fresh. Middletown Milk & Cream Co. Inc. 356,572; May 3; Serial No. 399,801; published Feb. 22, 1938.
Nut butter and margarin, etc. Kellogg Products Inc. 121,785–7; renewed May 28, 1938.
Oil emulsion for shortening, Vegetable edible cotton-seed. New England Shortening Company. 356,600; May 3; Serial No. 400,652; published Feb. 22, 1938.
Oleomargarin. Northern Cocoanut-Butter Company. 122,606; renewed Aug. 27, 1938.
Oleomargarin. Ohio Butterine Co. 122,809; renewed Sept. 17, 1938.
Oysters and salt-water fish. J. C. Walker Brothers, Inc. 356,629; May 3; Serial No. 401,628; published Feb. 22, 1938.
Pies, cakes, doughnuts, etc. Capital Bakers, Inc. 356,599; May 3; Serial No. 400,629; published Feb. 22, 1938.
Pretzels. American Cone & Pretzel Company. 356,626; May 3; Serial No. 401,542; published Feb. 22, 1938.
Sauce, Barbecue. E. H. Wright Company. 356,566; May 3; Serial No. 399,490; published Feb. 22, 1938.
Tea. Brewster Gordon & Co. 122,430; renewed Aug. 20, 1938.
Tea. Brewster, Gordon & Co. 122,635; renewed Sept. 3, 1938.
Vegetables, Fresh. Farmers Produce Company. 356,625; May 3; Serial No. 401,525; published Feb. 22, 1938.
Vegetables, Fresh. La Brea Securities Co. 356,645; May 3.

CLASS 48

Beer and ale. Jos. Hensler Brewing Co. 356,620; May 3; Serial No. 401,436; published Feb. 22, 1938.

CLASS 49

Whiskey. John A. Wathen Distillery Co. 356,512; May 3; Serial No. 357,106; published Feb. 22, 1938.
Whiskey, gin, rum, etc. Stinhardt Company. 356,631; May 3; Serial No. 401,877; published Feb. 22, 1938.

CLASS 50

Display forms, merchandise display stands, etc., Cardboard and corrugated board window. Capex Company. 356,526; May 3; Serial No. 394,575; published Feb. 22, 1938.
Leather-board. Herkimer Fibre Company. 122,463; renewed Aug. 20, 1938.
Processed piece goods. Acme Backing Corporation. 356,664; May 3.
Protectors for lamp shades, Dust. Bloomingdale Bros., Inc. 356,646; May 3.

# LIST OF LABELS

All Over the World Since 1903. For Flavor Base for Fountain Syrups. Dixon Flavor & Extract Co. 51,078; May 3.
Atwood. For Fresh Grapefruit. Atwood Grapefruit Company. 51,061; May 3.
Baglass. For Baglass Paper. Glassine & Greaseproof Manufacturers Association. 51,080; May 3.
Baronet. For Men's Hats. Calvert Hats, Inc. 51,068; May 3.
Bond Street. For Men's Hats. Calvert Hats, Inc. 51,069; May 3.
Burgess Air Filter. For Air Filters. C. F. Burgess Laboratories, Inc. 51,067; May 3.
Challenger. For Men's Hats. Calvert Hats, Inc. 51,070; May 3.
Coronet. For Men's Hats. Calvert Hats, Inc. 51,071; May 3.
Farmyard. For Lye. Bray Chemical Co. 51,064; May 3.
Fine Footwear. For Footwear. A. C. Clayton Printing Co. 51,074–5; May 3.
It's Tops. For Bread. C. Folts. 51,079; May 3.
Java Jacket. For Jackets. Hirsch-Weis Manufacturing Company. 51,084; May 3.
Lord Calvert. For Men's Hats. Calvert Hats, Inc. 51,072; May 3.
Markwell RF Staples. For Staples. Markwell Manufacturing Company. 51,086; May 3.
No-Lek. For Pipe Joint Compound. J. B. Darling. 51,077; May 3.
Ocean Beauty. For Canned Salmon. Dressel Collins Fish Co. 51,076; May 3.
Pipe Major. For Smoking Tobacco. Brown & Williamson Tobacco Corporation. 51,065; May 3.
Q. T. Gum. For a Gum for Removing from the Breath all Odors of Liquor, Tobacco, Onions and Garlic. L. H. Brownback. 51,066; May 3.
Sevaerg Fal-er-num. For Liqueur. P. Y. and R. K. Greaves. 51,081; May 3.
Sevaerg Swizzle. For Cocktails. P. Y. and R. K. Greaves. 51,082; May 3.
Skram Cleaner. For Waterless Cleaner for all Painted Surfaces. F. G. Irwin. 51,085; May 3.
3 A. M. For a Carbonated Beverage. Vim Laboratories. 51,089; May 3.
Torsch's Conqueror. For No. 3 Sieve Small Whole Green Beans. Torsch Canning Co. 51,088; May 3.
Tri-Costivin. For Preparation Containing Vitamins B and G, Extracts of Duodenum Gland and Gall Bladder, Lacto-Banana Concentrate, Trilactic, Bile Extract and Agar-Karaya Gum. Professional Laboratories, Inc. 51,087; May 3.
Trump. For Men's Hats. Calvert Hats, Inc. 51,073; May 3.
Victor the Ripe Coffee. For Coffee. Martin L. Hall Company. 51,083; May 3.
Wando Wonders. For Tomatoes. Boone Hall Plantation. 51,062; May 3.
Zephyr. For Lye. Bray Chemical Co. 51,063; May 3.

# LIST OF PRINTS

A Friend of the Family. For Shoes. Miles Shoes, Inc. 16,795; May 3.
Baker's Magic. For Pie. Tasty Baking Company. 16,809; May 3.
Daytex Cord. For Tires. Dayton Rubber Manufacturing Company. 16,784; May 3.
Did You ever See Striped Fields? For Pineapple Juice. Hawaiian Pineapple Company. 16,786; May 3.
Good Taste for 94 Years, Ad. No. 937. For Beer. Premier-Pabst Sales Co. 16,802; May 3.
How Dole Pineapples leave Home. For Pineapple Juice. Hawaiian Pineapple Company. 16,787; May 3.

## LIST OF PRINTS

If You could only See these Lush, Teeming Fields . . . For Pineapple Juice. Hawaiian Pineapple Company. 16,790; May 3.

Lee Color-Matched Shirts and Pants. For Shirts and Pants. H. D. Lee Mercantile Co. 16,794; May 3.

On the Level. For Ale and Beer. Hampden Brewing Company. 16,785; May 3.

Pabst Good Taste for 94 Years, Ad. No. 922. For Beer. Premier-Pabst Sales Co. 16,796; May 3.

Pabst Good Taste for 94 Years, Ad. No. 923. For Beer. Premier-Pabst Sales Co. 16,797; May 3.

Pabst Good Taste for 94 Years, Ad. No. 926. For Beer. Pabst-Premier Sales Co. 16,798; May 3.

Pabst Good Taste for 94 Years, Ad. No. 927. For Beer. Premier-Pabst Sales Co. 16,799; May 3.

Pabst Good Taste for 94 Years, Ad. No. 928. For Beer. Premier-Pabst Sales Co. 16,800; May 3.

Pabst Good Taste for 94 Years, Ad. No. 929. For Beer. Premier-Pabst Sales Co. 16,801; May 3.

Pabst Good Taste for 94 Years, Ad. No. 938. For Beer. Premier-Pabst Sales Co. 16,803; May 3.

Pabst Good Taste for 94 Years, Ad. No. 942. For Beer. Premier-Pabst Sales Co. 16,804; May 3.

Pabst Good Taste for 94 Years, Ad. No. 949. For Beer. Premier-Pabst Sales Co. 16,805; May 3.

Pabst Good Taste for 94 Years, Ad. No. 963. For Beer. Premier-Pabst Sales Co. 16,806; May 3.

Pabst Good Taste for 94 Years, Ad. No. 975. For Beer. Premier-Pabst Sales Co. 16,807; May 3.

Slimmer . . . $1 . . . New! Reversible! Self-Adjusting! Size Reducing! For Utility Frocks. S. L. Hoffman & Co. 16,793; May 3.

So Shiny and Sweet Smelling. For Pineapple Juice. Hawaiian Pineapple Company. 16,792; May 3.

Tasty-Pie. For Pie. Tasty Baking Company. 16,808; May 3.

The North Wind doth Blow. For Pineapple Juice. Hawaiian Pineapple Company. 16,791; May 3.

These Pineapples are Pampered like Infant Royalty. For Pineapple Juice. Hawaiian Pineapple Company. 16,789; May 3.

They Treat these Pineapples like Little Princes. For Pineapple Juice. Hawaiian Pineapple Company. 16,788; May 3.

# LIST OF REISSUE PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 3D DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Capital National Bank, The. (See Connelly, George F., assignor.)

Connelly, George F., San Francisco, assignor to The Capital National Bank, Sacramento, Calif. Tire tread splitting apparatus. Re. 20,711; May 3.

Harris, Edward H., assignor to Wheeler Insulated Wire Company, Bridgeport, Conn. Enameling machine. Re. 20,712; May 3.

Hoke, Harry H., Jr., Washington, D. C. Coin controlled machine. Re. 20,713; May 3.

Masdonald, John G., Toronto, Ontario, Canada. Electric fan. Re. 20,714; May 3.

Metzger, Alfred R., et al. (See Smith, Swan, assignor.)

Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Liquid cooled friction drum. Re. 20,715; May 3.

Shepard, David C., et al. (See Smith, Swan, assignor.)

Smith, Swan, White Bear, assignor of one-half to D. C. Shepard, St. Paul, and one-half to A. R. Metzger, White Bear Lake, Minn. Laminated container. Re. 20,716; May 3.

Wayne, Truman B., Houston, Tex. Resolving emulsions. Re. 20,717; May 3.

Western States Machine Company, The. (See Roberts, Eugene, assignor.)

Wheeler Insulated Wire Company. (See Harris, Edward H., assignor.)

# LIST OF DESIGN PATENTEES

Adlers, Arthur, Chicago, Ill. Game board. 109,463; May 3.

Aldeen, Gedor W., assignor to American Cabinet Hardware Corp., Rockford, Ill. Drawer pull or similar article. 109,464; May 3.

Aldeen, Gedor W., assignor to American Cabinet Hardware Corp., Rockford, Ill. Drawer pull or similar article. 109,465; May 3.

Aldeen, Gedor W., assignor to American Cabinet Hardware Corp., Rockford, Ill. Drawer pull or similar article. 109,466; May 3.

American Cabinet Hardware Corp. (See Aldeen, Gedor W., assignor.)

American Traveling Goods Co., Inc. (See Harlem, Lewis W., assignor.)

Archer, George E., South Whitley, Ind. Highway traffic signal. 109,540; May 3.

Arenberg, Albert L., assignor to Patent License Corporation, Chicago, Ill. Lamp. 109,509; May 3.

Armstrong, Henry, Montreal, Quebec, Canada. Display stand. 109,467; May 3.

Bach, Alfons, New York, N. Y. Upholstered chair or similar article. 109,468; May 3.

Bates Laboratories, Inc. (See Chipman, R. L., Jr., and Sweeney, assignors.)

Bay State Optical Company. (See Nerney, George E., assignor.)

Benson, George O., Niagara Falls, N. Y. Automobile radio antenna. 109,541; May 3.

Berman, Sam, Brooklyn, N. Y. Hat. 109,469; May 3.

Blackhawk Mfg. Co. (See Pfauser, Edward M., assignor.)

Boller, Arthur P., Oak Park, assignor to S. C. Lawlor Company, Chicago, Ill. Housing for floor treating machine. 109,470; May 3.

Bowen, Stuart F., Glen Ridge, N. J. Combination coaster and ashtray. 109,510; May 3.

Browner, A. Edward, New York, N. Y. Combined handbag and glove container therefor. 109,542; May 3.

Carlson, William G., assignor to Hedstrom-Union Company, Gardner, Mass. Chair. 109,471; May 3.

Chapman, Samuel, New York, N. Y. Dress and scarf ensemble. 109,598; May 3.

Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)

Chipman, Richmond L., Jr., Montclair, N. J., and J. L. Sweeney, assignors to Bates Laboratories, Inc. New York, N. Y. Portable typewriter. 109,511; May 3.

Clarren, Harry, New York, N. Y. Tooth brush. 109,572; May 3.

Cohen, Irving, New York, N. Y. Coat. 109,543; May 3.

Cohen, Irving, New York, N. Y. Coat. 109,544; May 3.

Cohen, Irving, New York, N. Y. Coat. 109,545; May 3.

Coleman, Tora, New York, N. Y. Dress ensemble. 109,473; May 3.

Coleman, Tora, New York, N. Y. Dress ensemble. 109,546; May 3.

Coleman, Tora, New York, N. Y. Dress. 109,547; May 3.

Coleman, Tora, New York, N. Y. Dress. 109,577; May 3.

Coleman, Tora, New York, N. Y. Dress. 109,578; May 3.

Coleman, Tora, New York, N. Y. Dress ensemble. 109,579; May 3.

Coleman, Tora, New York, N. Y. Dress. 109,580; May 3.

Coleman, Tora, New York, N. Y. Dress. 109,586; May 3.

Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Wastebasket. 109,474; May 3.

Crane Co. (See Kirkby, R. J., Gracey, Schumm, and Hansen, assignors.)

Cross, Wallace, Chicago, Ill. Musical top. 109,475; May 3.

Cunow, Bror E., Chicago, Ill. Finger ring. 109,548; May 3.

Debroski, Frank, Matawan, N. J. Collapsible bag or the like. 109,549; May 3.

Debroski, Frank, Matawan, N. J. Collapsible bag or the like. 109,550; May 3.

Darrot, Paul G., Southbury, Conn., assignor to General Time Instruments Corporation, New York, N. Y. Clock casing. 109,476; May 3.

Desser, Michael S., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Condiment shaker. 109,477; May 3.

Dickerson, Dorman B., Detroit, Mich. Brake lever or similar article. 109,551; May 3.

Dickerson, Dorman B., Detroit, Mich. Brake lever or similar article. 109,552; May 3.

Divco-Twin Truck Company. (See Nicol, John, assignor.)

Doppelt, Charles, Chicago, Ill. Traveling bag. 109,553; May 3.

Erving, Clifford L., Milton, Mass. Combination wrench. 109,554; May 3.

Feintuck, Rose, New York, N. Y. Dress. 109,587; May 3.

Finkelstein, Samuel, New York, N. Y. Hat. 109,526; May 3.

Fracchia, Pauline, New York, N. Y. Dress. 109,588; May 3.

Fracchia, Pauline, New York, N. Y. Dress. 109,589; May 3.

Fracchia, Pauline, New York, N. Y. Dress. 109,590; May 3.

Fracchia, Pauline, New York, N. Y. Dress. 109,591; May 3.

Frankl, Maurice S., Brooklyn, N. Y. Automobile-hood antenna. 109,527; May 3.

Fuerst, Edwin W., Toledo, Ohio, assignor to National Distillers Products Corporation, Richmond, Va. Bottle. 109,512; May 3.

Fulcher, Jean, Sharon, Conn., assignor to Maryland Glass Corporation, Baltimore, Md. Bottle. 109,513; May 3.

Fuller, Paul M., Chicago, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Phonograph cabinet. 109,555; May 3.

Furrey, Robert, Council Bluffs, Iowa. Combined aquarium and flower stand. 109,478; May 3.

Galper, Samuel, New York, N. Y. Leather or similar article. 109,592; May 3.

Gemex Company. (See Sand, John, assignor.)

General Fireproofing Company, The. (See Powell, Dwight, assignor.)

General Ice Cream Corporation. (See Snowden, Byron S., assignor.)

General Time Instruments Corporation. (See Darrot, Paul G., assignor.)

Gibb, Donald L., Midland, Mich. Box. 109,514; May 3.

Goldberg, Jacob M., Denver, Colo. Ventilator. 109,479; May 3.

Goldenberg, David, New York, N. Y. Dress. 109,556; May 3.

Goldsmith, Samuel R., New York, N. Y. Handbag. 109,528; May 3.

Gracey, Robert G. (See Kirkby, R. J., Gracey, Schumm, and Hansen.)

Hall, Volta R., Cleveland, Ohio. Pocket oiler. 109,515; May 3.

Hamilton, J. T. & A., Company. (See Meier, John H., assignor.)

Hampden Specialty Products, Inc. (See Schaffer, Edward A., assignor.)
Hansen, George E. (See Kirkby, R. J., Gracey, Schumm, and Hansen.)
Harlem, Lewis W., Quincy, assignor to American Traveling Goods Co., Inc., Boston, Mass. Safety razor case. 109,480; May 3.
Harris, Lou, New York, N. Y. Dress. 109,581; May 3.
Hedstrom-Union Company. (See Carlson, William G., assignor.)
Hess, Clarence R. T., Prairie View, assignor to The Edward Katzinger Company, Chicago, Ill. Ferrule for household utensil handles and the like. 109,557; May 3.
Hobart Manufacturing Company, The. (See Meeker, D. A., and Houser, assignors.)
Houser, Franklin D. (See Meeker, D. A., and Houser.)
Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Bake pan. 109,481; May 3.
Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Bake pan. 109,482; May 3.
Kato, Kisaburo, San Francisco, Calif. Plate or analogous article. 109,529; May 3.
Katzinger, Edward, Company, The. (See Jackson, Joseph G., assignor.)
Katzinger, Edward, Company, The. (See Hess, Clarence R. T., assignor.)
Kirkby, Raymond J., Hinsdale, R. G. Gracey, Oak Park, and R. E. Schumm and G. E. Hansen, assignors to Crane Co., Chicago, Ill. Shallow well pump. 109,558; May 3.
Kostellow, Rowena R., assignor to United States Glass Company, Pittsburgh, Pa. Vase or similar article. 109,483; May 3.
Kostellow, Rowena R., assignor to United States Glass Company, Pittsburgh, Pa. Jug or similar article. 109,484; May 3.
Kostellow, Rowena R., assignor to United States Glass Company, Pittsburgh, Pa. Water pitcher or similar article. 109,485; May 3.
Kostellow, Rowena R., assignor to United States Glass Co., Pittsburgh, Pa. Goblet or similar article. 109,486; May 3.
Kostellow, Rowena R., assignor to United States Glass Co., Pittsburgh, Pa. Goblet or similar article. 109,487; May 3.
Kostellow, Rowena R., assignor to United States Glass Co., Pittsburgh, Pa. Goblet or similar article. 109,530; May 3.
Krana, Philip, and A. P. Schmid, assignors to B. Wilmsen, Philadelphia, Pa. Christmas tree ornament. 109,516; May 3.
Kronenfeld, Samuel, Brooklyn, N. Y. Dress. 109,488; May 3.
Krueger, Arthur W., Chicago, assignor to S. Zidek, Riverside, Ill. Combination lamp and game device. 109,517; May 3.
Lacy, Herman E., Chicago, Ill. Display stand. 109,489; May 3.
Lawler, S. C., Company. (See Boller, Arthur P., assignor.)
Lea, Chester W., Fairbury, Nebr. Display stand. 109,531; May 3.
Leff, Morris, Brooklyn, N. Y. Embroidered fabric. 109,559; May 3.
Leff, Morris, Brooklyn, N. Y. Embroidered fabric. 109,560; May 3.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 109,490; May 3.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 109,491; May 3.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 109,492; May 3.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 109,493; May 3.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 109,494; May 3.
Lentheric Incorporated. (See McIntosh, Frank, assignor.)
Lockwood, Charles F. (See Thomas, H., and Lockwood.)
Lo Prete, Salvatore, New York, N. Y. Coat. 109,561; May 3.
Lo Prete, Salvatore, New York, N. Y. Coat. 109,562; May 3.
Lo Prete, Salvatore, New York, N. Y. Coat. 109,563; May 3.
Lo Prete, Salvatore, New York, N. Y. Coat. 109,564; May 3.
Lunts, Dorothy, New York, N. Y. Dress. 109,593; May 3.
Marshall, Alexander, Portland, Oreg. Air cleaner. 109,495; May 3.
Maryland Glass Corporation. (See Fulcher, Jean, assignor.)
McIntosh, Frank, assignor to Lentheric Incorporated, New York, N. Y. Cake of soap or the like. 109,496; May 3.
Meeker, David A., and F. D. Houser, assignors to The Hobart Manufacturing Company, Troy, Ohio. Coffee mill. 109,565; May 3.
Meier, John H., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company. Glass milk bottle. 109,518; May 3.
Miller, Nels A., assignor to Seeburg Radio Corporation, Chicago, Ill. Cabinet for radios or the like. 109,519; May 3.
Morcom, John H., Long Beach, Calif. Dental floss holder. 109,497; May 3.
Morimura Bros. Inc. (See Leigh, Cyril W., assignor.)
Mott, Hilary R., assignor to Nehi, Inc., Columbus, Ga. Bottle. 109,520; May 3.
National Distillers Products Corporation. (See Fuerst, Edwin W., assignor.)
Nehi, Inc. (See Mott, Hilary R., assignor.)
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Spectacle front. 109,566; May 3.
Newberger, Herman H., Chicago, Ill. Curtain or similar article. 109,567; May 3.
New York Band Instrument Co., Inc. (See Robbins, Franklin, assignor.)
Nicol, John, assignor to Divco-Twin Truck Company, Detroit, Mich. Delivery vehicle. 109,521; May 3.
Owens-Illinois Can Company. (See Connor, Martha H., assignor.)
Owens-Illinois Glass Company. (See Desser, Michael S., assignor.)
Patent License Corporation. (See Arenberg, Albert L., assignor.)
Perkins, Forrest G., Culver City, Calif. Wall corner receptacle. 109,522; May 3.
Pfauser, Edward M., Elm Grove, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Jack. 109,498; May 3.
Pfauser, Edward M., Elm Grove, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Jack. 109,499; May 3.
Powell, Dwight, assignor to The General Fireproofing Company, Youngstown, Ohio. Chair. 109,532; May 3.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company. Fan propeller. 109,533; May 3.
Rebhuhn, Anne, New York, N. Y. Dress. 109,594; May 3.
Rebhuhn, Anne, New York, N. Y. Dress. 109,595; May 3.
Robbins, Franklin, assignor to New York Band Instrument Co., Inc., New York, N. Y. Accordion or similar article. 109,500; May 3.
Robbins, Irwin M., Rockville Centre, N. Y. Vanity handbag. 109,534; May 3.
Salomon, Irving, Chicago, Ill. Costumer. 109,501; May 3.
Salomon, Irving, Chicago, Ill. Millinery table. 109,502; May 3.
Sand, John, assignor to Gemex Company, Newark, N. J. Bracelet chain. 109,523; May 3.
Schaffer, Edward A., Springfield, assignor to Hampden Specialty Products, Inc., Easthampton, Mass. Table or like article. 109,503; May 3.
Schaffer, Edward A., Springfield, assignor to Hampden Specialty Products, Inc., Easthampton, Mass. Table or like article. 109,504; May 3.
Schaffer, Edward A., Springfield, assignor to Hampden Specialty Products, Inc., Easthampton, Mass. Table or like article. 109,505; May 3.
Schumm, Robert E. (See Kirkby, R. J., Gracey, Schumm, and Hansen.)
Schmid, Albert P. (See Kranz, P., and Schmid.)
Scott, Fred, Pontiac, Ill. Monument. 109,568; May 3.
Seeburg Radio Corporation. (See Miller, Nels A., assignor.)
Shapiro, Morris, Los Angeles, Calif. Glass or similar article. 109,535; May 3.
Sheer, Ida, New York, N. Y. Dress. 109,596; May 3.
Sheer, Ida, New York, N. Y. Dress. 109,597; May 3.
Silverman, Jacob A., New York, N. Y. Collar. 109,569; May 3.
Skellern, Victor, Fenton, Stoke-on-Trent, England, assignor to Josiah Wedgwood & Sons, Inc., New York, N. Y. Plate or similar article. 109,506; May 3.
Skellern, Victor, Fenton, Stoke-on-Trent, England, assignor to Josiah Wedgwood & Sons, Inc., New York, N. Y. Plate or similar article. 109,536; May 3.
Snead, Oscar M., Newport News, Va. Radio bar cabinet. 109,537; May 3.
Snowden, Byron S., Albany, assignor to General Ice Cream Corporation, Schenectady, N. Y. Refrigerator truck. 109,524; May 3.
Solomon, Jacob, New York, N. Y. Blouse. 109,570; May 3.
Stevens, Clifford B., Milwaukee, Wis. Railway passenger vehicle. 109,538; May 3.
Strauss, Ira, New York, N. Y. Textile fabric. 109,582; May 3.
Sweeney, Joseph L. (See Chipman, R. L., Jr., and Sweeney.)
Thomas, Henry, and C. F. Lockwood, Buffalo, N. Y. Fan casing. 109,539; May 3.
Thorpe, Frank L., Deadwood, S. Dak. Ring. 109,571; May 3.
Tomshinsky, Victor, New York, N. Y. Dress. 109,583; May 3.
United States Glass Company. (See Kostellow, Rowena R., assignor.)
Urbanek, James F., Elmwood Park, Ill. Combined display and sales case. 109,507; May 3.



Van Vleck, Peirce, Washington, D. C. Pressure operated electric switch or similar article. 109,572; May 3.
Wagner, Mildred, New York, N. Y. Dress ensemble. 109,573; May 3.
Wedgwood, Josiah, & Sons, Inc. (See Skellern, Victor, assignor.)
Weisberger, Samuel, New York, N. Y. Hat. 109,574; May 3.
Wengard, Ben, Waterloo, Iowa. Screen for an automobile radiator. 109,525; May 3.
Wilmsen, Bernard. (See Krans, P., and Schmid, assignors.)
Winter, Irving A., Woodmere, N. Y. Dress. 109,575; May 3.
Wood, Gisela, San Francisco, Calif. Saucer. 109,508; May 3.
Wurlitzer, Rudolph, Company, The. (See Fuller, Paul M., assignor.)
Zidek, Stephen. (See Krueger, Arthur W., assignor.)
Zinn, Harry, New York, N. Y. Dress. 109,585; May 3.
Zinn, Joseph, New York, N. Y. Dress. 109,584; May 3.
Zuckerman, Lena, New York, N. Y. Dress. 109,576; May 3.

# LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 3D DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. & F. Products. (See Krähenbuhl, Friedrich, assignor.)
A and Z Chain Company. (See Johnson, Sylvester A., assignor.)
Adair, Samuel E. (See Jenkins, J. E., and Adair, assignors.)
Adams, J. D., Manufacturing Company. (See Cost, William A., assignor.)
Addressograph-Multigraph Corporation. (See Curtis, Franklin E., assignor.)
Aegler, Herman, Bienne, Switzerland. Balance wheel. 2,116,257; May 3.
Akin, Robert M., Jr., Sleepy Hollow Manor, North Tarrytown, N. Y. Method and apparatus for cleaning ends of insulated electric wires. 2,116,228; May 3.
Alexander, Ralph E. (See Rubin, M., and Alexander.)
Allen, Charles M., Maricopa County, Ariz. Sanitary lavatory. 2,116,133; May 3.
Allen, Lewin J., Cleveland, Ohio. Insect trapping and exterminating device. 2,116,092; May 3.
Alvey Conveyor Manufacturing Co. (See Bohn, William J., assignor.)
Amann, Max., Frankfort-on-the-Main, Germany. Telegraph system. 2,116,134; May 3.
Ambrose, John G. (See Mathews, Charles B., assignor.)
American Bank Note Company. (See Wittnebel, Arthur A., assignor.)
American Brake Shoe and Foundry Company, The. (See Hoffman, P., Bender, and Cook, assignors.)
American Car and Foundry Company. (See Bradfield, George K., Jr., assignor.)
American Chain & Cable Company. (See Hilliard, John H., assignor.)
American Cyanamid & Chemical Corporation. (See Sterns, Jeno, assignor.)
American District Telegraph Company. (See Hopkins, R. M., and Laford, assignors.)
American Laundry Machinery Company, The. (See Dewey, James M., assignor.)
American Radiator Company. (See Cornell, Edward S., Jr., assignor.)
American Rolling Mill Company, The. (See Force, Harold W., assignor.)
American Smelting and Refining Company. (See Lindner, K. A., and Poland, assignors.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Telephone and Telegraph Company. (See Shanck, Roy R., assignor.)
American Telephone and Telegraph Company. (See Watson, Edward F., assignor.)
Anaconda Wire & Cable Company. (See Johnson, Thor S., assignor.)
Anderson, Arvid E. (See Hill, C. H., and Anderson.)
Anderson, Bjorn, Maplewood, and A. F. Caprio, Newark, N. J., assignors to Celluloid Corporation. Esters of polyglycols and their ethers and compositions containing the same. 2,115,700; May 3.
Anderson, Dennis H., Paducah, Ky. Backwater control for sewers. 2,116,422; May 3.
Anderson, Gilbert V., assignor to W. F. Fischer, Philadelphia, Pa. Hydraulic control mechanism. 2,116,376; May 3.
Anderson, Rexford O. (See Carson, A. H., and Anderson.)
Anderson, Samuel M., Sharon, and F. J. Hamilton, Chicago, Ill., assignors to B. F. Sturtevant Company, Inc., Boston, Mass. Air conditioning system utilizing refrigeration. 2,116,003; May 3.
Andreas, Harry A., Muscatine, Iowa. Pulley. 2,115,837; May 3.
Anklam, Charles W., assignor to C. M. Hall Lamp Company, Detroit, Mich. Vehicle lamp. 2,115,695; May 3.
Antonelli, Americo, Quincy, Mass. Sewing machine attachment. 2,116,094; May 3.
Appel, Abraham. (See Block, David J., assignor.)
Apple, Bessie D. (See Cotterman, Frederick W., assignor.)
Armour and Company. (See Ralston, Anderson W., assignor.)
Arnold, Albert O. (See Beach, E. E., and Arnold.)
Arrow-Hart & Hegeman Electric Company, The. (See Guett, Monroe, assignor.)
Ashley, Frank M., Great Kills, Staten Island, N. Y., assignor to L. Gompers, trustee. Pipe prop. 2,115,696; May 3.
Ashley, Frank M., Great Kills, N. Y., assignor to L. Gompers, trustee. Inkstand. 2,115,697; May 3.
Atlantic Refining Company, The. (See Brownscombe, Eugene R., assignor.)
Aubitz, Edward C., assignor to G G G Metal Stamping Company, Warren, Pa. Mop connecter. 2,116,375; May 3.

Aurien, George, Clayton, Mo. Drawing double walled windowpanes. 2,116,297; May 3.
Autogas Corporation. (See Furlong, Francis A., assignor.)
Automatic Voting Machine Corporation. (See Gustavson, Alvin N., assignor.)
Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window structure for vehicles. 2,115,698; May 3.
Bader, Edward G., Inglewood, Calif. Electric razor. 2,116,229; May 3.
Baer, Howard, Jersey City, N. J., and M. J. Finnegan, New York, N. Y., assignors to Eclipse Aviation Corporation, East Orange, N. J. Aircraft control. 2,115,701; May 3.
Bagshaw, Charles M., and A. Harrington, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe finishing machine. 2,115,838; May 3.
Bailie, Cecilia, Camden, N. J. Orthopedic appliance. 2,116,095; May 3.
Baker, Chester L., assignor to Philadelphia Quartz Company of California, Ltd., Berkeley, Calif. Crystallization and crystallized products. 2,116,423; May 3.
Baker, Solomon F., assignor to Patent Developers, Inc., Detroit, Mich. Tandem axle unit and suspension therefor. 2,116,484; May 3.
Baker, Solomon F., assignor, by mesne assignments, to Patent Developers, Inc., Detroit, Mich. Dual axle unit. 2,116,486; May 3.
Baldini, Carmelo, Bronx, N. Y. Protein, Protein compound, and method of preparation. 2,116,377; May 3.
Baldwin, Alfred W., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Sulphonated alkoxy substituted arylides of the higher fatty acids. 2,115,758; May 3.
Ball, Albert P., and W. Marshall, assignors to Briggs Manufacturing Company, Detroit, Mich. Stamped metal fluid heater. 2,116,298; May 3.
Ball, Charles F., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for feeding plastic concrete mixtures to pumps etc. 2,116,473; May 3.
Ball, John H., St. Louis, Mo. Parallel rule. 2,115,983; May 3.
Bannister, Clyde E., Akron, Ohio. Hose coupling. 2,116,299; May 3.
Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Control system. 2,116,378; May 3.
Bany, Herman, Lansdowne, and W. N. Gittings, Upper Darby, Pa., assignors to General Electric Company. Circuit breaker control system. 2,116,379; May 3.
Barea, Arnold J. (See Fish, J., and Barea.)
Barnard, Daniel P., Jr., assignor to Joseph A. Vogel Company, Wilmington, Del. Flushing apparatus. 2,116,258; May 3.
Bartmess, Rex M., Elkhart, Ind. Display device. 2,115,937; May 3.
Bash, Francis F., Morristown, assignor to Driver-Harris Company, Harrison, N. J. Manufacture of radio tubes. 2,115,759; May 3.
Bath, John, & Company. (See Bath, Stanley W., assignor.)
Bath, Stanley W., Shrewsbury, assignor to John Bath & Company, Worcester, Mass. Yielding work center. 2,116,135; May 3.
Battelle Memorial Institute. (See Williams, C. E., and Lorig, assignors.)
Bauer, Gustav, Hamburg, Germany. Manufacture of hydraulic couplings. 2,116,181; May 3.
Bauer, Stefan G., Cambridge, England. Emulsification of liquids and apparatus therefor. 2,116,380; May 3.
Baumann, Karl, Wilmslow, England, assignor to General Electric Company. Device for controlling temperatures in fluid heating apparatus. 2,116,424; May 3.
Baur, Karl, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of mercaptans. 2,116,182; May 3.
Bayer, Matthew F. (See Woller, E. E., Travis, and Bayer.)
Baxendale, Samuel, Dearborn, Mich. Supplemental stock feeding means for multiple spindle machine tools. 2,115,938; May 3.
Bay State Optical Company. (See Nerney, George E., assignor.)
Beach, Everett E., and A. O. Arnold, Kansas City, Mo. Duck call. 2,116,183; May 3.
Beale, Edward B., Winnetka, assignor to Standard Oil Company, Chicago, Ill. Moistureproofing. 2,116,184; May 3.





Beatty-Page, Inc. (See Page, Leslie M., assignor.)
"Be Ge" Manufacturing and Welding Works. (See Gurries, A. G., and Bussert, assignors.)
Beisang, Alfred O., assignor to Brown & Bigelow, St. Paul, Minn. Pencil. 2,116,136; May 3.
Bell Punch Company. (See Black, H. D., and Degeh, assignors.)
Bell Telephone Laboratories, Incorporated. (See Collis, R. E., and Myers, assignors.)
Bell Telephone Laboratories, Incorporated. (See Dudley, Homer W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fondiller, William, assignor.)
Bell Telephone Laboratories, Incorporated. (See Germanton, Charles E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lakatos, Emory, assignor.)
Bell Telephone Laboratories, Incorporated. (See Norton, E. L., and Wick, assignors.)
Bell Telephone Laboratories, Incorporated. (See Prescott, Charles H., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Zupa, Frank A., assignor.)
Belloc, Maurice H., assignor to Societe Nobel Francaise, Paris, France. Waterproof compound. 2,115,797; May 3.
Bendix Aviation Corporation. (See Chappell, R. R., and Colt, assignors.)
Bender, William. (See Hoffman, P., Bender, and Cook.)
Benoit, Leon, New York, N. Y., and C. C. Moth, Tenafly, N. J.; said Moth assignor to said Benoit. Sealing mechanism. 2,116,259; May 3.
Berkowitz Envelope Company. (See Berkowitz, Eugene B., assignor.)
Berkowitz, Eugene B., assignor to Berkowitz Envelope Company, Kansas City, Mo. Combination letter or order form, check, and return envelope. 2,116,230; May 3.
Berlin-Suhler Waffen-und Fahrsengwerke G. m. b. H. (See Hirthe, Willy, assignor.)
Bernhard, Benjamin S., Boston, Mass. Door closer and check. 2,116,185; May 3.
Bethlehem Steel Company. (See Geer, Harry R.)
Bettcher Manufacturing Company, The. (See Stinson, Floyd E., assignor.)
Beverly Products Corporation. (See Lewis, Edward G., assignor.)
Beyer, Walter, North Tonawanda, N. Y. Safety match holder. 2,116,231; May 3.
Bienert, Berthold. (See Gassner, S., and Bienert.)
Biester, Ernest A., deceased, Chicago, Ill.; A. Biester, administratrix. Hacksaw. 2,116,137; May 3.
Biester, Amanda, administratrix. (See Biester, Ernest A.)
Biggs, George I. (See McKenney, William R., assignor.)
Bille, Henrich, Saetre in Royken, assignor to Norsk Spraengstofindustri A/S, Oslo, Norway. Apparatus for the treatment of plastic explosives for the production of ribbon- or rod-shaped pieces. 2,116,007; May 3.
Bingham, Harvey N., San Juan, Tex. Weed destroyer. 2,115,702; May 3.
Bischoff, Heinrich, Korntal, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Magneto. 2,116,354; May 3.
Black & Decker Electric Company, The. (See Cole, James D., assignor.)
Black, Horace D., Farnham Royal, and A. A. C. Degen, Harrow, assignors to Bell Punch Company Limited, London, England. Ticket issuing machine. 2,115,760; May 3.
Blackburn, Charles L., London, England, assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Gauge glass indicator. 2,115,899; May 3.
Blaw-Knox Company. (See Staubitz, Edward J., assignor.)
Block, David J., Winnetka, assignor to Abraham Appel, Chicago, Ill. Patching material. 2,116,008; May 3.
Blood, Harold L., Birmingham, Mich., assignor to The Heald Machine Company, Worcester, Mass. Size determining mechanism for automatic machines. 2,116,232; May 3.
Blume, Louis F. (See Minneci, S., and Blume, assignors.)
Blumlein, Alan D., Ealing, London, assignor to Electric and Musical Industries Limited, Hayes, England. Directional wireless aerial system. 2,115,761; May 3.
Bloom, Leon M., Paterson, N. J. Garment. 2,115,703; May 3.
Blue, Roy E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Door retainer. 2,115,900; May 3.
Bock, Clarence H., Detroit, Mich., assignor to The Lubrication Corporation, Chicago, Ill. Lubricating device. 2,115,984; May 3.
Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Box. 2,116,336; May 3.
Bohn, William J., assignor to Alvey Conveyor Manufacturing Co., St. Louis, Mo. Conveyer. 2,115,762; May 3.
Boline, Eldred A., Denver, Colo. Dispensing cap for containers. 2,115,985; May 3.
Bondeson, Carl G., assignor to The Andrew Terry Company, Terryville, Conn. Grounding device. 2,116,474; May 3.

Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,115,901; May 3.
Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,115,902; May 3.
Borenstein, Ella. (See Mann, Joseph, assignor.)
Borenstein, Walter. (See Mann, Joseph, assignor.)
Borg-Warner Corporation. (See Osborne, William B., assignor.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Bischoff, Heinrich, assignor.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Klaiber, Erich, assignor.)
Bosco, George B., Chicago, Ill. Wrapping for structural shapes. 2,116,335; May 3.
Boss, John W., assignor to Chromium Products Corporation, Livingston, Mont. Apparatus for the electrolytic production of chromic acid and caustic alkali. 2,116,138; May 3.
Boston Gear Works, Inc. (See Foster, Neal W., assignor.)
Boyd, Leonard E., assignor of one-half to E. C. Street, Oakland, Calif. Packet. 2,115,699; May 3.
Boye, James H., Chicago, Ill. Curtain fixture. 2,115,798; May 3.
Brackett, Fred M. (See Daneke, Dietrich, assignor.)
Bradfield, George K., Jr., Hackensack, N. J., assignor to American Car and Foundry Company, New York, N. Y. Locking mechanism for Venetian blinds. 2,115,796; May 3.
Bradley, Charles H. (See Howie, A., and Bradley, assignors.)
Brandt, John, assignor to Salerno Machinery Company, Chicago, Ill. Mechanism for depositing confections on wafers. 2,115,799; May 3.
Breer, Carl, Grosse Pointe Park, A. G. Herreshoff, Grosse Pointe Village, O. H. Clark, Detroit, and R. Cadwallader, assignors to Chrysler Corporation, Highland Park, Mich. Motor vehicle body. 2,115,903; May 3.
Briefer, Caesar J., Brooklyn, N. Y. Electric lamp. 2,115,839; May 3.
Briggs Manufacturing Company. (See Ball, A. P., and Marshall, assignors.)
Briggs Manufacturing Company. (See Lundberg, Everett E., assignor.)
Briggs Manufacturing Company. (See Marshall, Wm., and Camiener, assignors.)
Briggs Manufacturing Company. (See Prance, Alvin W., assignor.)
Briggs Manufacturing Company. (See Tjaarda, John, assignor.)
Brill, J. G., Company, The. (See Darlington, May E., assignor.)
Brill, J. G., Company, The. (See Scott, Louis F., assignor.)
British Heat Resisting Glass Company, The. (See Gell, Philip V. W., assignor.)
Broeze, Johannes J., Delft, and G. van Willigen, The Hague, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Process and apparatus for the cooling of fuel atomizers. 2,116,337; May 3.
Brooks, Winfred M., West Orange, N. J. Forming a seal. 2,116,338; May 3.
Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Variable leverage brake rigging. 2,116,010; May 3.
Brown, Arthur H., Denver, Colo. Suction valve for dentures. 2,115,939; May 3.
Brown & Bigelow. (See Beisang, Alfred O., assignor.)
Brown & Bigelow. (See Kranhold, Harry E., assignor.)
Brown Company. (See Fish, J., and Barea, assignors.)
Brown, Mae H., Polk, Mo. Water bag. 2,116,009; May 3.
Browne, Patrick W. (See Gullo, S. S., and Browne.)
Browning, J. M. & M. S., Company. (See Browning, Marriner A., assignor.)
Browning, Marriner A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Firing mechanism for automatic firearms. 2,116,139; May 3.
Browning, Marriner A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Firing mechanism for automatic firearms. 2,116,140; May 3.
Browning, Marriner A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Gas operated automatic firearm. 2,116,141; May 3.
Brownscombe, Eugene R., Aldan, assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of hydrocarbon oils. 2,115,704; May 3.
Bryant, Robert C., assignor, by mesne assignments, to Carborundum Company, Niagara Falls, N. Y. Curved abrasive fabric. 2,115,904; May 3.
Bublitz, Otto J., Milwaukee, Wis. Apparatus for treating steam heating systems. 2,115,971; May 3.
Buckeye Laboratories, Inc., The. (See Dunmire, Russell P., assignor.)
Buckeye Steel Castings Company, The. (See Wolfe, Harry H., assignor.)
Bugg, Kenly C., Farmington, Mo. Lock. 2,116,011; May 3.
Bühler, Hans, Dortmund, assignor to Vereinigte Stahlwerke, Aktiengesellschaft, Dusseldorf, Germany. Joining together metal bodies. 2,115,840; May 3.
Bullard, E. D., Company. (See Eaton, Frederick M., assignor.)

Bullard, E. D., Company. (See Fleming, Cornelius S., assignor.)
Burke, Earl I., Warren, assignor to Republic Steel Corporation, Cleveland, Ohio. Handling and shipping sheet metal. 2,116,381; May 3.
Burke, Paul, assignor to Northwest Engineering Corporation, Green Bay, Wis. Clutch. 2,115,763; May 3.
Burry, Arthur A., Toronto, Ontario, Canada. Machine for injection of plastics. 2,115,940; May 3.
Buschman, Andrew, Garden City, N. Y. Coating for smoking pipes and the like. 2,116,186; May 3.
Busha, Lee F., College Park, Ga. Seat spring. 2,116,012; May 3.
Busse, Warren F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Plasticizing rubber. 2,115,705; May 3.
Bussert, James A. (See Gurries, A. G., and Bussert.)
Cadwallader, Robert. (See Breer, C., Herreshoff, Clark, and Cadwallader.)
Cahow, Ervin, administrator. (See Cahow, Percy E., assignor.)
Cahow, Percy E., deceased, Fort Lauderdale, Fla.; E. Cahow, administrator. Smoking pipe. 2,116,382; May 3.
Caldwell, Henry C., assignor, by mesne assignments, to Hendwell Burner Corporation, Buffalo, N. Y. Burning gas. 2,116,096; May 3.
California Process Company. (See Wig, Rudolph J., assignor.)
Calloy Limited. (See Kirsebom, Gustaf N., assignor.)
Camiener, Paul M. (See Marshall, W., and Camiener, assignors.)
Campos, Louis H., New York, N. Y. Airtight coffee container. 2,116,300; May 3.
Caprio, Amerigo F. (See Anderson, B., and Caprio.)
Carborundum Company. (See Bryant, Robert C., assignor.)
Carborundum Company, The. (See Woodell, C. E., Nelson, and Lincoln, assignors.)
Card, William C., Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Apparatus for the manufacture of welted shoes. 2,115,800; May 3.
Carlson, George, Bridgeport, Conn., assignor to General Electric Company. Liquid contact circuit closer. 2,116,383; May 3.
Carlson, John E., Forestville, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric relay. 2,116,007; May 3.
Carlson, John E., Forestville, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric relay. 2,116,008; May 3.
Carreras, James. (See Laborda, R., and Carreras.)
Carrier Corporation. (See Stacey, Alfred E., Jr., assignor.)
Carson, Amon H., and R. O. Anderson, Oklahoma City, Okla. Brake operating mechanism. 2,116,013; May 3.
Carter, Elliott C., Westport, Conn. Curtain. 2,116,339; May 3.
Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of American. Transmission line system. 2,115,764; May 3.
Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Electric lamp or similar device. 2,116,384; May 3.
Case, Robert W., Unionville, Conn. Testing apparatus for aircraft. 2,115,841; May 3.
Case, Oliver W. (See Levine, A. A., and Case.)
Castricone, John A., Peoria, Ill. Ironing machine. 2,115,941; May 3.
Cawley, Aloysius J., Pittston, Pa. Television apparatus. 2,116,425; May 3.
Cecil, Lloyd F., Shanghai, China. Guardrail for athletic fields. 2,116,426; May 3.
Celanese Corporation of America. (See Dreyfus, C., and Ellis, assignors.)
Celanese Corporation of America. (See Dreyfus, H., and Monerieff, assignors.)
Celluloid Corporation. (See Anderson, B., and Caprio, assignors.)
Chain Belt Company. (See Ball, Charles F., assignor.)
Chamberlain, James M. W., Silver Lake, assignor to United States Stoneware Company, Akron, Ohio. Sealing, supporting, and cushioning assembly. 2,116,099; May 3.
Channelin, James M., South Coventry, Conn. Building toy. 2,116,301; May 3.
Chappell, Ralph R., Richmond, Va., and R. B. Colt, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind. Reversing mechanism. 2,116,142; May 3.
Chatfield, Franklin, assignor, by mesne assignments, to Munsingwear, Inc., Minneapolis, Minn. Garment. 2,116,340; May 3.
Chernosky, Frank E., Newgulf, Tex. Fluid conducting line. 2,116,302; May 3.
Chesler, Isidor, assignor to Eagle Pencil Company, West Orange, N. J. Lead pencils and preparing pencil leads. 2,116,187; May 3.
Christian, Joseph D., San Francisco, Calif. Speed change device. 2,116,166; May 3.
Christopher, Ralph F., Euclid, Ohio. Brush. 2,115,942; May 3.
Chromium Products Corporation. (See Boss, John W., assignor.)
Chrysler Corporation. (See Blue, Roy E., assignor.)
Chrysler Corporation. (See Breer, C., Herreshoff, Clark, and Cadwallader, assignors.)
Chrysler Corporation. (See Dickson, J. B., and Hatch, assignors.)
Chrysler Corporation. (See Hicks, Harold A., assignor.)
Chrysler Corporation. (See McCain, George L., assignor.)
Chrysler Corporation. (See Black, Frederick W., assignor.)
Chrysler Corporation. (See Staley, Allen C., assignor.)
Chrysler Corporation. (See Weihmann, Karl, assignor.)
Churchill, Durand, Jr., New York, N. Y., assignor to Standard Oil Development Company. Extracting hydrocarbon material. 2,116,188; May 3.
Ciba Products Corporation. (See Gams, A., Widmer, and Frey, assignors.)
Clark, Leverett M., Snyder, assignor to Waugh Equipment Company, New York, N. Y. Cushioning mechanism. 2,116,180; May 3.
Clark, Oliver H. (See Breer, C., Herreshoff, Clark, and Cadwallader.)
Clark, Otto B. (See Tear, H. R., and Clark.)
Clark, William M. (See Jones, E. B., and Clark.)
Climax Machinery Company. (See Smith, Russell T., assignor.)
Cloutier, Arthur N. (See Lawson, R. H., and Cloutier.)
Cocker Machine and Foundry Company. (See Suggs, Thomas F., assignor.)
Cohan, Albert, et al. (See Money, Benjamin F., assignor.)
Cold Metal Process Company, The. (See Montgomery, Alonzo B., assignor.)
Cole, Howard S., Jr. (See Dickey, F. F., and Cole.)
Cole, James D., assignor to The Black & Decker Electric Company, Kent, Ohio. Vacuum cleaner. 2,116,233; May 3.
Coleman, Gerald H., and G. V. Moore, assignors to The Dow Chemical Company, Midland, Mich. Making esters of glycols. 2,115,905; May 3.
Coleman, William B., Bloomfield, N. J., assignor to Congoleum-Nairn Inc. Adhesive composition and a covering structure having an adhesive coating. 2,116,341; May 3.
Collingham, Robert H., Rugby, England, assignor to General Electric Company. Elastic fluid governing mechanism. 2,116,385; May 3.
Collis, Raymond E., Summit, N. J., and O. Myers, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Line overflow recorder. 2,115,901; May 3.
Colt, Rutger B. (See Chappell, R. R., and Colt.)
Compagnie Generale de Telegraphie Sans Fil. (See Goudet, Hugues, assignor.)
Compagnie Generale de Telegraphie Sans Fil. (See Record, Yves, assignor.)
Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann. (See Kopp, Georges, assignor.)
Compo Shoe Machinery Corporation. (See Card, William C., Jr., assignor.)
Compo Shoe Machinery Corporation. (See Gorman, Henry S., assignor.)
Congoleum-Nairn Inc. (See Coleman, William B., assignor.)
Connolly, George E., Oakland, Calif., assignor to Nichols Engineering & Research Corporation, New York, N. Y. Drying and incineration of combustible material. 2,116,058; May 3.
Connolly, George E., Oakland, Calif., assignor to Nichols Engineering & Research Corporation, New York, N. Y. Drying and burning of moist materials. 2,116,059; May 3.
Consolidated Packaging Machinery Corporation. (See Gantner, Howard E., assignor.)
Control Instrument Company. (See Warnke, Herbert R., assignor.)
Cook Earnshaw. (See Hoffman, P., Bender, and Cook.)
Cook Laboratories, Inc. (See Loiser, M., and Frost, assignors.)
Cooper, Arthur H., Buckinghamshire, and W. C. Corner, London, assignors to Electric & Musical Industries Limited, Middlesex, England. Volume control arrangement. 2,115,842; May 3.
Cooper, Felix, Brooklyn, N. Y. Dispenser for tea bags. 2,115,923; May 3.
Cooper, Wilfrid B., Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y. Twister cap. 2,116,342; May 3.
Copeland, Elisha S., Batesburg, S. C. Rack clip. 2,116,386; May 3.
Corkran, Herbert, Baltimore, Md. Grain door for railway cars. 2,116,260; May 3.
Cornell, Edward S., Jr., Larchmont, assignor to American Radiator Company, New York, N. Y. Thermal system. 2,115,706; May 3.
Corner, William C. (See Cooper, A. H., and Corner.)
Corson, Ben B. (See Ipatieff, V., and Corson.)
Coss, Harold T., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Mineral wool composition. 2,116,303; May 3.
Cost, William A., assignor to J. D. Adams Manufacturing Company, Indianapolis, Ind. Re-tread paver. 2,116,468; May 3.
Cotterman, Frederick W., assignor of one-half to B. D. Apple, Dayton, Ohio. Automatic overdrive gearing. 2,116,234; May 3.





Cracknell, Richard J., assignor to U. D. Engineering Company Limited, London, England. Refrigerating apparatus. 2,116,100; May 3.
Crecca, John D., U. S. Navy, and S. S. Scott, St. Albans, N. Y. Portable device for end-welding. 2,115,707; May 3.
Crespin, George, assignor to A. Goldstein, New York, N. Y. Rubber shuttlecock. 2,116,304; May 3.
Curreas, James E. C., San Anselmo, assignor of one-third to L. Hanscom, Berkeley, Calif. Dishwashing machine. 2,116,101; May 3.
Curtis, Franklin E., East Cleveland, assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing device. 2,116,235; May 3.
Curtis, Rowen D. (See Smith, A. L., and Curtis.)
Da Costa Toy Company. (See Da Costa, Virginia D., assignor.)
Da Costa, Virginia D., Providence, assignor to Da Costa Toy Company, Providence, R. I. Toy ball. 2,115,986; May 3.
Damrow, George E., Brooklyn, N. Y. Open-face container. 2,116,060; May 3.
Daneke, Dietrich, assignor to F. M. Brackett, Topeka, Kans. Work spacing mechanism for stripping machines. 2,116,475; May 3.
Dann, Charles W., Jr., Miami, Fla. Container. 2,115,802; May 3.
Darby, J. F. (See Porter, Albert N., assignor.)
Darlington, May E., assignor to The J. G. Brill Company, Philadelphia, Pa. Seat upholstery unit and making the same. 2,116,102; May 3.
Davies, William J., Glasgow, assignor to G. G. Nicol, Aberdeen, D. Falconer, Kincardineshire, J. A. Mackie, Aberdeen, and A. W. Legat, Paisley, Scotland. Safety razor. 2,116,190; May 3.
Davis, Harry G. (See Davis, Roy E., assignor.)
Davis, Roy E., assignor of one-half to H. G. Davis, Boulder, Colo. Shears sharpening device. 2,116,343; May 3.
Dawson, Oliver H., Baytown, Tex., assignor to Standard Oil Development Company. Sulphonic acids from $SO_2$ extract of light mineral oil distillates. 2,115,843; May 3.
De Beeson, George, assignor to R. S. Dollar, San Francisco, Calif. Compass for automatic pilots. 2,116,103; May 3.
De Baufre, William L., Lincoln, Nebr. Method of and apparatus for separation of moist gaseous mixture. 2,116,191; May 3.
Degen, Alexander A. C. (See Black, H. D., and Degen.)
Delamere Company. (See Goodman, Jacob, assignor.)
De Laval Separator Company, The. (See Malherbe, Gideon J., assignor.)
Delavan, Frank. (See Miller, J. P., and Delavan, assignors.)
De Marco, Louis, Cleveland, Ohio. Amusement apparatus. 2,116,014; May 3.
Dempsey, Harry W., Charlotte, assignor of one-half to H. F. Hittle, Lansing, Mich. Abrading wheel sheet and sheet holder. 2,115,943; May 3.
Denier, James C. (See Holmeister, Arthur E., assignor.)
Detroit Hydrostatic Brake Corporation. (See Saunedde, Claude, assignor.)
Devereaux, William C., Detroit, Mich. Dovetail. 2,116,305; May 3.
Dewey, James M., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Press operating mechanism. 2,116,143; May 3.
De Witt, William M., South Bend, Ind. Ice cube releasing means. 2,115,944; May 3.
Diamond Power Specialty Corporation. (See Blackburn, Charles L., assignor.)
Dickey, Frank F., and H. S. Cole, Jr., Los Angeles, Calif., assignors to A. O. Smith Corporation, Milwaukee, Wis. Setting well casing. 2,116,236; May 3.
Dickinson, Henry R., Grand Rapids, Mich. Treating lubricating oil. 2,116,144; May 3.
Dickson, John B., Huntington Woods, and A. R. C. Hatch, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Reflector. 2,115,906; May 3.
Diedrich, Paul. (See Dohrn, M., and Diedrich.)
Dodge, Adiel Y. and E. R. Koppel, South Bend, Ind.; said Koppel assignor to said Dodge. Transmission. 2,115,987; May 3.
Dohrn, Max, Berlin-Charlottenburg, and P. Diedrich, Finkenkrug (Osthavelland), assignors to Schering A. G., Berlin, Germany. 3,5-dilode-4-hydroxy acylophenone compounds and producing the same. 2,116,104; May 3.
Dollar, R. Stanley. (See De Beeson, George, assignor.)
Dorrer, Eugen, Ludwigshafen-on-the-Rhine, Germany, assignor to Standard-I. G. Company, Linden, N. J. Purification of mineral oils, tars, their distillation products, and the like. 2,116,061; May 3.
Douglass, William A. (See Williams, I., Douglass, and Neal.)
Dow Chemical Company, The. (See Coleman, G. H., and Moore, assignors.)
Dow Chemical Company, The. (See Grether, E. F., and Du Vall, assignors.)
Draminsky, Per, Copenhagen, Denmark. Elastic coupling. 2,116,192; May 3.
Drew, Donald E., Kenmore, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic structure and preparing same. 2,116,193; May 3.
Dreyer, Arthur B., Long Beach, Calif. Razor blade holder. 2,115,945; May 3.
Dreyfus, Camille, New York, N. Y., and G. H. Ellis, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production or treatment of artificial filaments, threads, foils, and the like. 2,116,062; May 3.
Dreyfus, Henry, London, England. Composition of matter containing cellulose derivatives. 2,115,708; May 3.
Dreyfus, Henry, London, England. Polycarboxylic acid esters of methylene glycol. 2,115,709; May 3.
Dreyfus, Henry, London, England. Manufacture of compositions and articles containing plasticizable substances and new plasticisers. 2,115,710; May 3.
Dreyfus, Henry, London, England. Treatment of artificial materials. 2,116,063; May 3.
Dreyfus, Henry, London, and R. W. Moncrieff, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of textile materials. 2,116,064; May 3.
Driggs, Frank H., Highland Park, Ill., and H. W. Highriter, Verona, N. J., assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Constructing X-ray anodes. 2,116,387; May 3.
Driver-Harris Company. (See Bash, Francis E., assignor.)
Dudley, Homer W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,115,803; May 3.
Duncan, Loman A., Pittsburg, Kans. Window jack. 2,116,427; May 3.
Dunkle, Murna, Lime Rock, Conn. Support for the graphic arts. 2,115,972; May 3.
Dunmire, Russell P., assignor, by mesne assignments, to The Buckeye Laboratories, Inc., Alliance, Ohio. Purification of oil. 2,116,344; May 3.
Du Pont, E. I., de Nemours & Company. (See Drew, Donald E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Handforth, S. L., and Simon, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hannum, C. W., and Rossander, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hunt, J. K., and Shipp, assignors.)
Du Pont, E. I., de Nemours & Company. (See Levine, Arthur A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Levine, A. A., and Cass, assignors.)
Du Pont, E. I., de Nemours & Company. (See McKee, Edward E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Miles, John B., Jr., assignor.)
Du Pont, E. I., de Nemours & Co. (See Stumpp, Anthony S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Williams, I., Douglass, and Neal, assignors.)
Du Pont, E. I., de Nemours & Co. (See Winslow, Seth L., assignor.)
Du Pras, Louis. (See Sleeper, S. C., and Du Pras.)
Dura Company. (See Floraday, Burton S., assignor.)
Du Vall, Russell B. (See Grether, E. F., and Du Vall.)
Dwight & Lloyd Sintering Company. (See Hyde, Reed W., assignor.)
Dziembowski, Felix J., Peconic, N. Y. Bottle opener. 2,116,306; May 3.
Eagle Pencil Company. (See Chesler, Isidor, assignor.)
Eastman Kodak Company. (See Malm, Carl J., assignor.)
Eaton, Frederick M., Carson City, Nev., assignor to E. D. Bullard Company, San Francisco, Calif. Filler for gas mask canisters. 2,115,946; May 3.
Eaton Manufacturing Company. (See Findley, Howard J., assignor.)
Eaton, Stanley, Liverpool, England. Apparatus for automatically delivering predetermined quantities of pulverulent or granular substance or material. 2,116,105; May 3.
Eclipse Aviation Corporation. (See Baer, H., and Finnegan, assignors.)
Educational Laboratories, Inc. (See Taylor, James Y. and C. C., assignors.)
Edwards, O. M., Company, The. (See Axe, Roy T., assignor.)
Egry Register Company, The. (See Gochoel, Urban F., assignor.)
Ehlers, Max F., Long Island City, N. Y. Adjustable ventilating window shade. 2,116,237; May 3.
Ehrhardt, Adolf, assignor to Triton Belco, A. G., Hamburg, Germany. Sanitary basin and the like. 2,116,015; May 3.
Eichblatt, Otto H., Houston, Tex. Test terminal. 2,116,388; May 3.
Eistert, Bernd. (See Krzikalla, H., and Eistert.)
Electric and Musical Industries Limited. (See Blumlein, Alan D., assignor.)
Electric & Musical Industries Limited. (See Cooper, A. H., and Corner, assignors.)
Electric & Musical Industries, Ltd. (See Gauss, Hubert E., assignor.)
Electric & Musical Industries Ltd. (See Holman, Herbert E., assignor.)
Elliot, John L., New York County, assignor to The International Printing Ink Corporation, New York, N. Y. Coated organic materials and processes and compositions. 2,116,065; May 3.

Elliot, John L., Dallas, Tex., assignor to The International Printing Ink Corporation, New York, N. Y. Coated materials and to processes for producing the coating. 2,116,066; May 3.
Ellis, George H. (See Dreyfus, C., and Ellis.)
Ellison, Whitfield, Capac, Mich., assignor to Sears, Roebuck and Co., Chicago, Ill. Cabinet latch. 2,115,947; May 3.
Emmert, Rodger J., Birmingham, Mich., assignor to Radio Corporation of America. Making an acoustic device. 2,116,106; May 3.
Empire Fire Equipment Manufacturing Company. (See Miller, J. P., and Delavan, assignors.)
Engel, Karl, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Welt guide. 2,115,907; May 3.
Erb, John W., Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Container, container stock, and making the same. 2,116,107; May 3.
Erich, Reuben, Avenal, assignor of one-third to W. J. Erich and one-third to W. G. Erich, San Joaquin County, Calif. Inertia switch. 2,115,948; May 3.
Erich, Walter G., et al. (See Erick, Reuben, assignor.)
Erich, William J., et al. (See Erick, Reuben, assignor.)
Espig, Hermann, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing a phosphorescent material. 2,116,167; May 3.
Eugene, Ltd. (See Moulin, Pierre L., assignor.)
Evans Case Company. (See Wakefield, Frank E., assignor.)
Falconer, Douglas, et al. (See Davies, William J., assignor.)
Farnham, Paul O., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Automatic transmission control. 2,115,844; May 3.
Faunce, Leroy L., Dorchester, Mass. Model positioning means for grading machines. 2,116,108; May 3.
Feisenthal, G., & Sons. (See Nelson, Norman D., assignor.)
Felton & Guilleaume Carlswerke Actien-Gesellschaft. (See Klimmer, Franz, assignor.)
Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Meerbeck, Gottfried, assignor.)
Fenske, Merrell R., State College, Pa., assignor to Pennsylvania Petroleum Research Corporation. Process and apparatus for treating mineral oils. 2,116,428; May 3.
Fidelitone Records, Inc. (See Lichten, Maurice A., assignor.)
Fiene, Marcus E., Ballston Lake, N. Y., assignor to General Electric Company. Heat transfer system. 2,116,389; May 3.
Filatex Corporation. (See Spencer, William M., assignor.)
Findley, Howard J., Euclid, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Automobile air heating and conditioning device. 2,116,145; May 3.
Fink, Ferdinand, Newark, N. J., assignor to National Ice Supply Company. Safety device for saw tables. 2,116,194; May 3.
Finley, Thomas M., St. Louis, Mo. Propeller driven vehicle. 2,115,711; May 3.
Finnegan, Martin J. (See Baer, H., and Finnegan.)
Fischer, Hermann, Basel, Switzerland. Glyoxal-semiacetals. 2,116,016; May 3.
Fischer, William F. (See Anderson, Gilbert V., assignor.)
Fish, James, Bristol, Pa., and A. J. Barea, assignors to Brown Company, Berlin, N. H. Method of and apparatus for forming a pulp web. 2,116,168; May 3.
Fisher, Cecil C., assignor to The Magnavox Company, Fort Wayne, Ind. Acoustic apparatus. 2,115,924; May 3.
Fisk, Edwin J., Cleveland, Ohio. Tappet. 2,116,109; May 3.
Fleming, Cornelius S., Berkeley, assignor to E. D. Bullard Company, San Francisco, Calif. Filler for gas mask canisters. 2,115,973; May 3.
Floraday, Burton S., assignor to Dura Company, Toledo, Ohio. Making lamp housings. 2,116,345; May 3.
Fogelberg, Herbert I., St. Paul, Minn. Window screen. 2,116,261; May 3.
Follmain Syndicate Limited. (See Leverick, Frank, assignor.)
Fondiller, William, Yonkers, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic switch. 2,115,804; May 3.
Foote-Burt Company, The. (See Schiltz, Bernard P., assignor.)
Force, Harold W., Oakland, Calif., assignor, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio. Manufacture of welded spiral pipe. 2,115,928; May 3.
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Pressure fluid engine. 2,115,845; May 3.
Foster, Herbert E. (See Hammond, Clayson R., assignor.)
Foster, Neal W., Wollaston, assignor to Boston Gear Works, Inc., North Quincy, Mass. Flexible coupling. 2,116,195; May 3.
Foster, Theodore W., & Bro. Co. (See Parkin, Winfred T., assignor.)
Foster Wheeler Corporation. (See Swanson, H. R., and Wallis, assignors.)
Föttinger, Hermann, Berlin-Wilmersdorf, Germany. Hydraulic transmission gear. 2,116,461; May 3.
Fox, Cyril A., Mars, Pa. Roll grinding machine and method. 2,115,908; May 3.
Franke, Clarence S., St. Louis, Mo. Clinker disposal device. 2,116,017; May 3.
Frederick, Charles, Columbiana, Ohio. Erasing device. 2,115,806; May 3.
Frey, Charles N. (See Gore, H. C., and Frey.)
Frey, Karl. (See Gams, A., Widmer, and Frey.)
Frick Company. (See Shenton, Francis, assignor.)
Froiander, Frank C., Elizabeth, N. J., assignor to Mergenthaler Linotype Company, New York, N. Y. Typographical composing machine. 2,116,018; May 3.
Frolich, Per K., Roselle, N. J., assignor to Standard Oil Development Company. Obtaining valuable products from petroleum residues. 2,115,846; May 3.
Frost, Clayton H. (See Losier, M., and Frost.)
Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)
Fuller Company. (See Lenhart, Herbert S., assignor.)
Fuller, Frederick L., West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y. Mail sorter. 2,115,805; May 3.
Fullvision Outdoor Advertising Corporation. (See Stevens, William, assignor.)
Fulton, Stewart C., and H. G. Vesterdal, Elizabeth, N. J., assignors to Standard Oil Development Company. Treating oils with sulphuric acid and for preparing improved wetting agents and detergents. 2,115,807; May 3.
Funk, Rufus B. Air control device. 2,115,909; May 3.
Funk, Rufus B., Washington, D. C. Air control device. 2,115,910; May 3.
Furlong, Francis A., assignor to Autogas Corporation, Chicago, Ill. Heating system. 2,115,988; May 3.
Furness, William H., East Riverton, N. J. Steering device for automobiles. 2,116,307; May 3.
G G G Metal Stamping Company. (See Aubitz, Edward C., assignor.)
Gamewell Company, The. (See Weld, Foster E., assignor.)
Gams, Alphonse, G. Widmer, and K. Frey, Basel, Switzerland, assignors, by mesne assignments, to the firm of Ciba Products Corporation, Dover, Del. Molded infusible synthetic resins and making same. 2,116,019; May 3.
Gantzer, Howard E., Kenmore, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Capping chuck. 2,116,067; May 3.
Gantzer, Howard E., Kenmore, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Capping apparatus. 2,116,068; May 3.
Gardiner, Paul C., Scotia, N. Y., assignor to General Electric Company. Transmitter system. 2,116,390; May 3.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company, Rock drill. 2,115,911; May 3.
Gassner, Sebastian, and B. Bienert, Leverkusen I. G.-Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Acylated phthalocyanines. 2,116,196; May 3.
Gauss, Hubert E., assignor to Electric & Musical Industries, Ltd., Middlesex, England. Electrical indicator or measuring instrument. 2,116,110; May 3.
Gauvin, Henri, Ottawa, Ontario, Canada. Building construction and building elements therefor. 2,116,020; May 3.
Gauvin, Henri, Ottawa, Ontario, Canada. Building construction. 2,116,021; May 3.
Gavin, Thomas H., New Orleans, La. Saw filing machine. 2,115,712; May 3.
Gaylor, Peter J. (See Wiesevich, Peter J., assignor.)
Geer, Eula S., administratrix. (See Geer, Harry R.)
Geer, Harry R., deceased, Westmont, by E. S. Geer, administratrix, Viewmont, Pa., assignor to Bethlehem Steel Company. Wire bending machine. 2,116,109; May 3.
Gell, Philip V. W., Birmingham, England, assignor to The British Heat Resisting Glass Company, Limited. Manufacture of molded glassware. 2,115,765; May 3.
General Aniline Works, Inc. (See Gassner, S., and Bienert, assignors.)
General Aniline Works, Inc. (See Krzikalla, H., and Eistart, assignors.)
General Electric Company. (See Bany, Herman, assignor.)
General Electric Company. (See Bany, H., and Gittings, assignors.)
General Electric Company. (See Baumann, Karl, assignor.)
General Electric Company. (See Carlson, George, assignor.)
General Electric Company. (See Cartun, Paul O., assignor.)
General Electric Company. (See Collingham, Robert H., assignor.)
General Electric Company. (See Fiene, Marcus E., assignor.)
General Electric Company. (See Gardiner, Paul C., assignor.)
General Electric Company. (See Gooskens, Henricus, assignor.)



General Electric Company. (See Griffith, Rolland C., assignor.)
General Electric Company. (See Hill, C. H., and Anderson, assignors.)
General Electric Company. (See Krämer, Werner, assignor.)
General Electric Company. (See Maas, Arnold, assignor.)
General Electric Company. (See Matsuyama, Y., Kuno, and Nasu, assignors.)
General Electric Company. (See Minneci, S., and Blume, assignors.)
General Electric Company. (See Montsinger, Vincent M., assignor.)
General Electric Company. (See Rietsch, Eberhard, assignor.)
General Electric Company. (See Wetherill, Lynn, assignor.)
General Electric Company. (See Whiting, Max A., assignor.)
General Electric X-Ray Corporation. (See Wantz, J. B., and Kizaur, assignors.)
General Railway Signal Company. (See Judge, Thomas J., assignor.)
General Railway Signal Company. (See Powell, Winfred T., assignor.)
General Railway Signal Company. (See Preston, Neil D., assignor.)
General Railway Signal Company. (See Sheets, Robert A., assignor.)
Gerling, Arthur A., New York, N. Y. Doll eye construction. 2,116,346; May 3.
Germanton, Charles E., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical recorder. 2,115,808; May 3.
Gersten, William, Brooklyn, N. Y. Clothing bag. 2,116,197; May 3.
Gittings, William N. (See Bany, H., and Gittings.)
Glaberman, Philip. (See Schoenbaum, Joseph R., assignor.)
Glidden Company, The. (See Mowlds, Kenneth S., assignor.)
Gochoel, Urban F., assignor to The Egry Register Company, Dayton, Ohio. Quick-setting adjustable punching apparatus. 2,116,391; May 3.
Gohr, Edwin J., Elizabeth, N. J., assignor to Standard Oil Development Company. Treating oils with suluphuric acid and for preparing improved wetting agents and detergents. 2,115,847; May 3.
Goldman, Bronislaw, Warsaw, Poland. Automatically moving a rotating blade in axial direction. 2,115,809; May 3.
Goldstein, Abraham. (See Crespin, George, assignor.)
Gompers, Lewis, trustee. (See Ashley, Frank M., assignor.)
Gondek, John T., St. Paul, Minn. Marine electric motor. 2,116,146; May 3.
Goodman, Jacob, Brooklyn, N. Y., assignor to Delamere Company, Inc. Hair curler. 2,116,111; May 3.
Goodman, Jacob, Brooklyn, N. Y., assignor to Delamere Company, Inc. Hair curler. 2,116,112; May 3.
Goodrich, B. F., Company, The. (See Busse, Warren F., assignor.)
Gooskens, Henricus, Eindhoven, Netherlands, assignor to General Electric Company. Assembly for discharge devices. 2,116,429; May 3.
Gordon, Robert H., Detroit, Mich., assignor to Parker Rust Proof Company. Conveying mechanism. 2,116,430; May 3.
Gore, Herbert C., and C. N. Frey, Scarsdale, assignors to Standard Brands Incorporated, New York, N. Y. Beverage preparation. 2,116,308; May 3.
Gorman, Henry B., Lynchburg, Va., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Cemented shoe construction. 2,115,810; May 3.
Gorton, Clyde B., assignor to C. B. McClellan, Chicago, Ill. Coin chute. 2,116,309; May 3.
Gose, Ralph R. (See Hyneman, J. R., and Gose.)
Goudet, Hugues, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Vernier tuning control. 2,116,113; May 3.
Graham, George M., Detroit, assignor to Hinckley-Myers Company, Jackson, Mich. Wheel turning gauge. 2,116,766; May 3.
Graham, Matthew P. (See Hufferd, G. H., and Graham.)
Granberg, Bengt, and J. B. Sinderson, assignors to Sundstrand Machine Tool Co., Rockford, Ill. Attachment for machine tools. 2,116,262; May 3.
Grant, Dudley H., Watchung, N. J., assignor to Stanco Incorporated. Ephedrine composition. 2,115,848; May 3.
Grasser, Arthur P., Cleveland, Ohio. Cleaning device. 2,116,392; May 3.
Grether, Ernest F., and R. B. Du Vall, assignors to The Dow Chemical Company, Midland, Mich. Alpha-salicylo-aliphatic acid esters. 2,116,347; May 3.
Griffith, Rolland C., Schenectady, N. Y., assignor to General Electric Company. Arc-back suppressor for electric discharge devices. 2,116,393; May 3.
Griffiths, William C. (See Muir, A. C., and Griffiths.)
Gross, Court, assignor to Motoraktieselskapet, Oslo, Norway. Rotating valve for internal combustion engines. 2,116,022; May 3.
Gruttmann, Franz, Cologne, Germany. Control stamp. 2,115,767; May 3.
Guett, Monroe, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Thermostatic switch. 2,116,394; May 3.
Guidorossi, Giuseppe, Milan, Italy. Harmonius melting of combined theater and cinematograph exhibitions. 2,116,114; May 3.
Gullo, Samuel S., and P. W. Browne, New Orleans, La. Light-excluding cover for bottle beverage cases. 2,116,431; May 3.
Gurber, Samuel, West Tulsa, Okla. Concrete building construction. 2,115,949; May 3.
Gurries, Albert G., and J. A. Bussert, assignors to "Be Ge" Manufacturing and Welding Works, Gilroy, Calif. Hydraulic control valve. 2,115,950; May 3.
Gustavson, Alvin H., Jamestown, N. Y., assignor to Automatic Voting Machine Corporation. Primary voting mechanism. 2,115,840; May 3.
Gustin, Daniel S., Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Getter for vacuum devices. 2,116,432; May 3.
Gwidt, Stanislous J., Rhinelander, Wis. Aerator. 2,116,023; May 3.
H & H Machine & Motor Parts Co. (See Holhut, Michael, assignor.)
Haan, Edward H. (See Whitman, Ray B., and Haan.)
Haessler, Max, Buenos Aires, Argentina. Book marker. 2,116,147; May 3.
Haire, Homer H., Washington, D. C. Flexible connecter. 2,115,713; May 3.
Hall, Cecil S., London, England, assignor to Refrigeration Patents Limited. Lid for pressure resisting vessels. 2,116,170; May 3.
Hall, C. M., Lamp Company. (See Anklam, Charles W., assignor.)
Hall, C. M., Lamp Company. (See Worden, Norbert P., assignor.)
Hallowell, Howard T., assignor to Standard Pressed Steel Co., Jenkintown, Pa. Power sewing machine table. 2,116,433; May 3.
Haltenberger, Jules, Indianapolis, Ind. Automobile wheel cover fastener. 2,115,768; May 3.
Hamilton, Frank J. (See Anderson, S. M., and Hamilton.)
Hammel, Rigiander & Co. (See Rens, Edward, assignor.)
Hammond, Clayson R., assignor of fifty-five percent to Herbert E. Foster, Salem, Oreg. Oil burner. 2,115,850; May 3.
Handforth, Stanley L., and K. C. Simon, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing ammonium nitrate. 2,115,851; May 3.
Hanna, William T., Cincinnati, Ohio. Stoker. 2,116,115; May 3.
Hannum, Chester W., and S. S. Rossander, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes. 2,115,852; May 3.
Hansen, Donald W., Decatur, Ill., assignor, by mesne assignments, to Prolamine Products Incorporated, Dover, Del. Plasticized prolamine base composition. 2,115,716; May 3.
Hansen, Donald W., Decatur, Ill., assignor, by mesne assignments, to Prolamine Products Incorporated, Dover, Del. Manufacture of prolamine compositions. 2,115,717; May 3.
Hansen, Lorrin L., Rapid City, S. Dak. Conduit door stop. 2,115,811; May 3.
Hanscom, Le Roy. (See Currens, James E. C., assignor.)
Harbaugh, William J., Ashland, Ohio. Multiple purpose welding jig. 2,116,263; May 3.
Hardy, James C., Honoluiu, Hawaii. Manually portable motor driven polisher. 2,115,812; May 3.
Harrington, Alfred. (See Bagshaw, C. M., and Harrington.)
Harris, Clara F., and W. A. Tripp, Kansas City, Mo. Permanent waving device. 2,116,348; May 3.
Harris, Clara F., and W. A. Tripp, Kansas City, Mo. Hair waving device. 2,116,349; May 3.
Harris, Henrietta. (See Harris, Robert A. and H.)
Harris, Henry H., Champaign, Ill. Radiant heating tube. 2,115,769; May 3.
Harris, Robert A. and H., St. Louis, Mo. Garment. 2,115,974; May 3.
Harris, Sam, assignor to E. S. Kraus, Chicago, Ill. Mattress. 2,116,171; May 3.
Harris-Seybold-Potter Company. (See Harrold, Charles W., assignor.)
Harrold, Charles W., University Heights, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Drive for multicolor presses. 2,115,957; May 3.
Hartzell, Oliver R., San Rafael, Calif. Display board. 2,115,718; May 3.
Hartzell, Oliver R., San Rafael, Calif. Indicator device. 2,115,770; May 3.
Harvey, Bruce J., Des Moines, Iowa. Metallic clothespin or the like. 2,116,238; May 3.
Harvey, Holman, New York, N. Y. Article of food. 2,116,310; May 3.
Hasselkus, John W., and G. A. Richmond, Clapham, London, England. Objective suitable for photographic purposes. 2,116,264; May 3.

Hat Corporation of America. (See Radford, George S., assignor.)
Hatch, Arthur R. C. (See Dickson, J. B., and Hatch.)
Hatten, Manson C., Laguna Beach, Calif. Handle for inflated balls and the like. 2,115,926; May 3.
Hawley, Clinton K., McPherson, Kans. Bottle holder. 2,116,149; May 3.
Hawley, Jesse B., Geneva, Ill. Making fibrous articles. 2,116,196; May 3.
Hazel-Atlas Glass Company. (See Ross, James W., assignor.)
Hazel, Ernest, Jr. (See Hazel, Ernest C. and Ernest Jr.)
Hazel, Ernest C. and E., Jr., Atchinson, Kans. Bookbinding. 2,115,951; May 3.
Heald Machine Company, The. (See Blood, Harold L., assignor.)
Hebenstreit, Charles P. (See Wiedemann, Max, assignor.)
Hebler, William O., Westfield, N. J. Gas analysis cell of the thermal conductivity type. 2,116,239; May 3.
Hecklin, Simon, et al. (See Rogers, Charles M., assignor.)
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Roller bearing unit for freight cars. 2,115,989; May 3.
Hefty, Henry, St. Louis, Mo. Garbage receptacle. 2,116,311; May 3.
Heinze, William A., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Grease retainer with clamped packing. 2,116,240; May 3.
Hejduk, Frantisek, and J. Neumann, Prague, Czechoslovakia. Multipiston meter. 2,116,265; May 3.
Held, Roy J., Freeport, Ill. Making bottles. 2,116,199; May 3.
Hellmers, Henry D., Westend, Calif. Producing granular borax. 2,115,771; May 3.
Helmick, Frederic, Fairmont, W. Va. Furnace grate. 2,116,024; May 3.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,115,912; May 3.
Hemmingsen, Torkild V., Copenhagen, Denmark. Engine speed governor. 2,116,025; May 3.
Hemphill Company. (See Lawson, R. H., and Cloutier, assignors.)
Hendwell Burner Corporation. (See Caldwell, Henry C., assignor.)
Henrichsen, Knut, Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Retractile landing gear. 2,116,395; May 3.
Hermanson, John H., Brooklyn, N. Y. Apparatus for effecting the escape of persons from sunken vessels. 2,116,200; May 3.
Herreshoff, Alexander G. (See Breer, C., Herreshoff, Clark, and Cadwallader.)
Heuman, Daniel H., Kansas City, Mo. Vehicle spring suspension. 2,116,026; May 3.
Heumann, John P., New York, N. Y. Protector. 2,116,241; May 3.
Hewitt, John C., Jr., Long Beach, Calif. Measuring well declinations. 2,116,350; May 3.
Heymann, Roy D., Woodbridge, Conn., assignor, by mesne assignments, to Pulp Products Company, Inc., New York, N. Y. Machine for molding pulp. 2,115,772; May 3.
Hicks, Harold A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle body. 2,116,913; May 3.
Hiering, William C., assignor to The J. E. Mergott Company, Newark, N. J. Bag frame. 2,116,242; May 3.
Highriter, Harry W. (See Driggs, F. H., and Highriter.)
Hill, Arthur, New York, N. Y. Portable electric automatic phonograph. 2,115,773; May 3.
Hill, Charles H., and A. E. Andersen, Drexel Hill, Pa., assignors to General Electric Company, New York, N. Y. Electric switch operating apparatus. 2,116,396; May 3.
Hill, Richard T., Menasha, assignor to Marathon Paper Mills Company, Rothschild, Wis. Dispensing carton. 2,115,853; May 3.
Hilliard, John H., New York, N. Y., assignor to American Chain & Cable Company, Inc. Forming twisted chain links. 2,116,116; May 3.
Hinckley-Myers Company. (See Graham, George M., assignor.)
Hirsche, Willy, Leopoldshain, Gorlitz-land, assignor to Berlin-Suhler Waffen-und Fahrzeug-werke G. m. b. H., Berlin, Germany. Compression refrigerating machine. 2,115,976; May 3.
Hirsch, Samuel, New York, N. Y. High voltage electron discharge device. 2,115,927; May 3.
Hittle, Harry F. (See Dempsey, Harry W., assignor.)
Hoague-Sprague Corporation. (See Knowlton, Cutler D., assignor.)
Hobson, Stanley H., Rockford, assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Gas range. 2,116,149; May 3.
Hoe, R., & Co. (See Lamatsch, Frederick, assignor.)
Hofer, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Push-pull amplifier. 2,115,854; May 3.
Hoffman, Paul, La Grange, W. Bender, Downers Grove, and E. Cook, Flossmoor, Ill., assignors, by mesne assignments, to The American Brake Shoe and Foundry Company, New York, N. Y. Apparatus for selectively quenching ferrous sections. 2,116,069; May 3.
Hoffman, Paul, La Grange, W. Bender, Downers Grove, and B. Cook, Flossmoor, Ill., assignors, by mesne assignments, to The American Brake Shoe and Foundry Company, New York, N. Y. Heat treatment of ferrous sections. 2,116,070; May 3.
Hohmeister, Arthur E., assignor of one-half to J. C. Denier, Cincinnati, Ohio. Adjustable railing fitting. 2,115,953; May 3.
Holdsworth, Willie, Seekonk, Mass. Gill drawing frame. 2,116,201; May 3.
Holhut, Michael, Jennings, assignor to H & H Machine & Motor Parts Co., St. Louis, Mo. Boring tool. 2,115,952; May 3.
Hollett, George B., Saskatoon, Saskatchewan, Canada. Wheeled truck. 2,116,312; May 3.
Hollister, Thomas L., Miami, Fla. Device for storing exhaust gases in automobiles. 2,116,434; May 3.
Holm, Ernest S., and L. A. Miller, Quincy, Mass. Spark plug tester. 2,115,719; May 3.
Holman, Herbert E., Garden City, Yiewsley, assignor to Electric & Musical Industries Ltd., Hayes, England. Cathode ray tube. 2,115,855; May 3.
Holmes, Henry H. (See Leedham, L. H., and Holmes.)
Holmes, Richard E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioning apparatus. 2,115,720; May 3.
Homm, Walter, Bronx, N. Y. Piano. 2,116,117; May 3.
Honegger, Paul, Buelach, assignor to Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Electric smelting furnace cover. 2,116,202; May 3.
Hood, Arthur M. (See Tomlinson, Fay M., assignor.)
Hopkins, Richard M., Rutherford, N. J., and H. M. Laford, assignors to American District Telegraph Company, New York, N. Y. Automatic electric signal circuit. 2,116,462; May 3.
Horn, Heinz, assignor to Norddeutsche Seekabelwerke A. G., Nordenham, Germany. Insulating joint for electric cables. 2,116,266; May 3.
Houde Engineering Corporation. (See Peo, Ralph F., assignor.)
Houdry, Eugène J., Philadelphia, Pa., and T. B. Prickett, Woodbury, N. J., assignors to Houdry Process Corporation, Dover Del. Heat exchange apparatus. 2,115,714; May 3.
Houdry Process Corporation. (See Houdry, E. J., and Prickett, assignors.)
Hourmouzes, Samuel. (See Longarso, Victor, assignor.)
Howie, Alexander, Shaker Heights, and C. H. Bradley, Cleveland, Ohio, said Bradley assignor to said Howie. Apparatus for handling freight containers. 2,116,150; May 3.
Hufford, George H., and M. P. Graham, Detroit, Mich., assignors to Thompson Products Incorporated, Cleveland, Ohio. Joint. 2,115,774; May 3.
Hulshizer, Bessie A., Cedar Rapids, Iowa. Carpet rag strip splicer. 2,115,856; May 3.
Hunt, James K., and J. H. Shipp, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Bituminous compositions and making same. 2,115,775; May 3.
Hyde, Reed W., Summit, N. J., assignor to Dwight & Lloyd Sintering Company, Inc., New York, N. Y. Separating lead and cadmium from zinc ores. 2,116,203; May 3.
Hyneman, John R., Chatman, N. J., and R. R. Gose, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Composite set. 2,116,172; May 3.
I. G. Farbenindustrie Aktiengesellschaft. (See Baur, Karl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Espig, Hermann, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., and Kroenig, assignors.)
Imperial Chemical Industries Limited. (See Baldwin, Alfred W., assignor.)
Imperial Chemical Industries Limited. (See McHaffie, I. R., and Tyrer, assignors.)
Imperial Chemical Industries Limited. (See Wyler, Max, assignor.)
International Business Machines Corporations. (See Fuller, Frederick L., assignor.)
International Printing Ink Corporation, The. (See Elliot, John L., assignor.)
Ipatieff, Vladimir, and B. B. Corson, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of motor fuels. 2,116,161; May 3.
Jackson, Gilbert, New York, N. Y., and J. F. Maher, Ridgefield Park, N. J. Nonrefillable closure for bottles and other containers. 2,115,721; May 3.
Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Seamless baking pan set. 2,116,487; May 3.
Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Centering pan set. 2,116,488; May 3.
Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Baking pan set. 2,116,489; May 3.
Jackson, Maunsell B., Toronto, Ontario, Canada. Motor vehicle control. 2,115,776; May 3.
Jacquard Knitting Machine Co. (See Leedham, Leslie H., assignor.)



Jaffee, Irving, New York, N. Y. Roller skate clamp. 2,116,204; May 3.
Jarvis, Kenneth W., Winnetka, Ill., assignor to Radio Corporation of America, New York, N. Y. Method and apparatus for controlling radio receivers. 2,115,813; May 3.
Jay, Samuel, New York, N. Y. Egg poacher. 2,115,928; May 3.
Jenkins & Adair, Inc. (See Jenkins, J. E., and Adair, assignors.)
Jenkins, John E., and S. E. Adair, assignor, by mesne assignments, to Jenkins & Adair, Inc., Chicago, Ill. Controlling and sounding apparatus. 2,116,314; May 3.
Jensen, Kresten R., Coffeyville, Kans. Combined crank and counterweight. 2,115,814; May 3.
Jidosha Keki Kabushiki Kaisha. (See Nishimura, Jin, assignor.)
Johns-Manville Corporation. (See Coss, Harold T., assignor.)
Johns-Manville Corporation. (See Shipway, George E., assignor.)
Johnson, David L., Glenside, Pa. Concentrates from vegetables, fruits, or berries, and their manufacture. 2,115,815; May 3.
Johnson's, Iver, Arms & Cycle Works. (See Nelson, Oscar H., assignor.)
Johnson, Martin S., West Hartford, Conn. Multipurpose gauge. 2,115,955; May 3.
Johnson, Ray W., Chicago, Ill. Chuck. 2,116,243; May 3.
Johnson, Sylvester A., North Providence, assignor to A and Z Chain Company, Providence, R. I. Clasp or connecter for bracelets. 2,115,954; May 3.
Johnson, Thor S., Irvington, assignor to Anaconda Wire & Cable Company, New York, N. Y. Electrical conductor. 2,115,777; May 3.
Jones, Ernest B., South Weymouth, and W. M. Clark, assignors to National Fireworks, Inc., West Hanover, Mass. Snow plow. 2,116,351; May 3.
Jones, Harry C., New York, N. Y. Phototyping machine. 2,115,990; May 3.
Jones & Laughlin Steel Corporation. (See Smith, James M., assignor.)
Jorgensen, Jacob C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,115,722; May 3.
Jorgenson, Arthur P., Racine, Wis., assignor, by mesne assignments, to Leeds P. Smith, Inc., Irvington, N. J. Portable paint and liquid mixer. 2,115,956; May 3.
Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Relay stepping bank. 2,116,173; May 3.
Kalischer, Milton, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioning apparatus. 2,115,715; May 3.
Karfiol, Edward, Great Neck, N. Y. Shelf edging. 2,116,315; May 3.
Karwat, Ernst, Grosshesselohe, near Munich, Germany, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, New York, N. Y. Removing carbides and other impurities from slags. 2,116,469; May 3.
Kaselitz, Oscar, Berlin, Germany. Producing potassium nitrate from potassium sulphate and mixtures containing the same. 2,115,857; May 3.
Katzinger, Arthur, Glencoe, assignor to The Edward Katzinger Company, Chicago, Ill. Centering pan set. 2,116,490; May 3.
Katzinger, Edward, Company, The. (See Jackson, Joseph G., assignor.)
Katzinger, Edward, Company, The. (See Katzinger, Arthur, assignor.)
Kaufmann, Hans, Berlin-Charlottenburg, Germany. Transfer for applying designs to wood and other surfaces. 2,116,205; May 3.
Kay Brunner Steel Products, Inc. (See Kay, Lloyd D., assignor.)
Kay, Lloyd D., Alhambra, Calif., assignor to Kay Brunner Steel Products, Inc. Brake. 2,116,174; May 3.
Kaywood Corporation. (See Sherwood, Glenn L., assignor.)
Keall, Oswold E., Chelmsford, England, assignor to Radio Corporation of America. Harmonic reduction circuits. 2,115,858; May 3.
Keefer, Walter L. (See Rosenberger, W. A., and Keefer.)
Keefer, Walter L., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,116,152; May 3.
Keefer, Walter L., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,116,153; May 3.
Kehl, Robert J., Bayside, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Welding and cutting apparatus. 2,116,352; May 3.
Kelley, B. F. (See O'Donnell, Edward P., assignor.)
Kellogg Switchboard and Supply Company. (See Miller, Carl M., assignor.)
Kelsey-Hayes Wheel Company. (See Main, F. L., and Sawtelle, assignors.)
Kelsey-Hayes Wheel, The. (See Sinclair, Charles W., assignor.)
Kempton, Edward S., Gastonia, N. C. Ring traveler for spinning machines. 2,116,071; May 3.
Kiley, Albert J., Belmont, and J. T. Kiley, Arlington, assignors to James A. Kiley Co., Somerville, Mass. Portable aerial ladder. 2,116,470; May 3.
Kiley, James A., Co. (See Kiley, Albert J. and J. T., assignors.)
Kiley, John T. (See Kiley, Albert J. and J. T., assignors.)
King, George L., Syracuse, N. Y. Getter for radio tubes. 2,116,244; May 3.
King, Harry C., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stitch-down shoe. 2,115,850; May 3.
King, Oliver F. (See O'Leary, C. M., and King.)
Kirsebom, Gustaf N., Clifton, Bristol, assignor to Calloy Limited, London, England. Preparation of alkaline earth metals. 2,116,245; May 3.
Kisaur, Arthur J. (See Wants, J. B., and Kisaur.)
Klaiber, Erich, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Double magneto. 2,116,353; May 3.
Kleinschmidt, Edward E., Highland Park, assignor to Teletype Corporation, Chicago, Ill. Tape printer. 2,115,991; May 3.
Klimmer, Franz, Berlin-Oberschoneweide, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Conductor with air space insulation. 2,116,267; May 3.
Klimmer, Franz, Berlin-Oberschoneweide, assignor to Felten & Guilleaume Carlswerk, Actien-Gesellschaft, Cologne-Mulheim, Germany. High frequency conductor. 2,116,268; May 3.
Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Edge-notching mechanism for blank-making machines. 2,115,723; May 3.
Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Creasing mechanism for blank-making machines. 2,115,724; May 3.
Kobzy, Steven, Chicago, Ill. Forming electrical contacts. 2,116,269; May 3.
Koch, Paul, Plauen, Germany. Rotary printing machine. 2,115,725; May 3.
Koenig, Walter J., assignor to Sloane-Blabon Corporation, Philadelphia, Pa. Composition of matter and making the same. 2,116,072; May 3.
Koenig, Walter J., assignor to Sloane-Blabon Corporation, Philadelphia, Pa. Composition of matter and making the same. 2,116,073; May 3.
Koerner, Herman J., Woodhaven, N. Y. Butt-hinged structure. 2,115,816; May 3.
Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Price tag. 2,116,476; May 3.
Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Price tag. 2,116,477; May 3.
Kolbe, Joachim, Hanover, Germany. Motor vehicle. 2,116,027; May 3.
Kopp, Georges, Rouen, assignor to Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann, Paris, France. Disazo dyestuffs and their production. 2,116,355; May 3.
Koppel, Ernest R. (See Dodge, A. Y., and Koppel.)
Koppl, Leo T., Huntington Beach, Calif. Tapping machine. 2,115,992; May 3.
Kottes, George L., New Orleans, La. Feed water economizer. 2,116,028; May 3.
Krähenbuhl, Friedrich, Berlin-Charlottenburg, Germany, assignor to A. & F. Products, New York, N. Y. Scissors sharpener. 2,115,778; May 3.
Krämer, Werner, Berlin-Karlshorst, Germany, assignor to General Electric Company, New York, N. Y. Control circuit. 2,116,435; May 3.
Kramer, William, Richmond Hill, N. Y. Producing gangs of miniature dead eyes. 2,115,957; May 3.
Kranhold, Harry E., assignor to Brown & Bigelow, Saint Paul, Minn. Brief case book. 2,115,993; May 3.
Kraus, Esther S. (See Harris, Sam, assignor.)
Kriegstedt, Carl E. O., Washington, D. C. Thermostatic control device. 2,116,436; May 3.
Krivobok, Vsevolod N., Pittsburgh, Pa., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md. Alloy and manufactures. 2,115,732; May 3.
Krivobok, Vsevolod N., Pittsburgh, Pa., assignor to Rustless Iron and Steel Corporation, Baltimore, Md. Alloy and manufactures. 2,115,733; May 3.
Kroenig, Walter. (See Pier, M., and Kroenig.)
Kroll, Martin W., assignor of one-half to M. Lloyd Parcells, Columbus, Mont. Amalgamator and concentrator. 2,115,726; May 3.
Kroll, Nathan J. (See Kroll, Samuel and N. J.)
Kroll, Samuel and N. J., Chicago, Ill. Latch for high chair tables. 2,115,860; May 3.
Krzikalla, Hans, and B. Eistert, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Polyazo dyestuffs. 2,116,206; May 3.
Kuno, Shukichi. (See Matsuyama, Y., Kuno, and Nasu.)
Laborda, Richard, and J. Carreras, Brooklyn, N. Y. Venetian blind. 2,116,356; May 3.
Laborda, Richard, and J. Carreras, Brooklyn, N. Y. Venetian blind. 2,116,357; May 3.
Laford, Herbert M. (See Hopkins, R. M., and Laford.)
Lahiere, Eugene A., Princeton, N. J. Poultry feeder. 2,115,817; May 3.

Lakatos, Emory, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 2,115,818; May 3.

Laloux, René, Brussels, Belgium. Machine gun. 2,115,861; May 3.

Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing machines. 2,115,734; May 3.

Lamb, Francis X., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical measuring instrument. 2,116,154; May 3.

Lamb, Frank H., Hoquiam, Wash. Hinged connection. 2,115,904; May 3.

Lanham, Edward A., Long Island City, N. Y. Seal for rotary shafts. 2,116,397; May 3.

Laucks, I. F., Inc. (See Tripp, Elwood I., assignor.)

Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I. Knitting machine and method of knitting. 2,115,929; May 3.

Lea Fabrics, Inc. (See Smith, Paul S., assignor.)

Leash, Hober E., Portland, Oreg. Chimney structure. 2,116,118; May 3.

Lee, Arthur, Kankakee, Ill. Grease gun filler. 2,116,029; May 3.

Lee, Leif, Youngstown, Ohio. Power transmission device. 2,115,958; May 3.

Leedham, Leslie H., Leicester, England, assignor to Jacquard Knitting Machine Co., Inc., Union Hill, N. J. Pattern mechanism for knitting machines. 2,116,074; May 3.

Leedham, Leslie H., and H. H. Holmes, assignors to Wildt and Company Limited, Leicester, England. Knitting machine. 2,116,358; May 3.

Legat, Arthur W., et al. (See Davies, William J., assignor.)

Le Grand, Joseph M., Chicago, Ill. Building structure. 2,116,270; May 3.

Lenhart, Herbert S., assignor to Fuller Company, Allentown, Pa. Indicator. 2,116,075; May 3.

Lenz, George A., Fort Sill, Okla. Folding table. 2,115,727; May 3.

Leppke, Louis A., Omaha, Nebr. Serving device. 2,115,862; May 3.

Leverick, Frank, Blaby, near Leicester, assignor to Follsain Syndicate Limited, London, England. Impregnating a metallic mass or metal article with other metal. 2,116,271; May 3.

Levine, Arthur A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dry cleaning process. 2,116,437; May 3.

Levine, Arthur A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Degreasing solvent. 2,116,438; May 3.

Levine, Arthur A., and O. W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyclic oxides and their preparation. 2,116,439; May 3.

Lévy, Robert J. (See Mauguy, V. A., and Lévy, assignors.)

Lewis, Charles H. (See Urbian, O. M., and Stemen, assignors.)

Lewis, Edward G., assignor to Beverly Products Corporation, Los Angeles, Calif. Combined dropper and atomiser. 2,115,950; May 3.

Lewis, Robert P., assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Vibration dampener. 2,115,819; May 3.

Lichten, Maurice A., Long Island City, assignor to Fidelitone Records, Inc., New York, N. Y. Recording device. 2,115,863; May 3.

Light Service Corporation. (See Stringer, Louis C., assignor.)

Lincoln, Roy. (See Woodell, C. E., Nelson, and Lincoln.)

Lindeke, Hans F., Martinez, assignor to Shell Development Company, San Francisco, Calif. Treating mineral oils. 2,115,960; May 3.

Lindh, Jenny M., assignor, by mesne assignments, to Munsingwear, Inc., Minneapolis, Minn. Undergarment. 2,116,360; May 3.

Lindman, Emrik I., Stocksund, near Stockholm, Sweden. Burning mineral substances and porous product thereof. 2,116,030; May 3.

Lindner, Herbert, Berlin-Wittenau, Germany. Machine for grinding screw threads. 2,116,031; May 3.

Lindner, Karl A., Baltimore, Md., and F. F. Poland, Highland Park, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Casting copper. 2,116,207; May 3.

Link-Belt Company. (See Strube, Harry L., assignor.)

Lipton, Ruby, New York, N. Y. Head covering. 2,116,076; May 3.

Livermon, Carl R., Roxobel, N. C. Boat or other vehicle. 2,115,864; May 3.

Livingston, Edmund M., Edgewood, Pa. Track rail joint. 2,116,463; May 3.

Loeffler, Bruno, Plainfield, N. J., assignor to Mack Manufacturing Corporation. Hydraulic Diesel air chamber valve control mechanism. 2,116,175; May 3.

Loewenstein, Alfred, Jerusalem, Palestine. System for electrically measuring the thickness of metallic walls, sheets, and the like. 2,116,119; May 3.

Lofstrand, Anders R., Sr., Washington, D. C. Washing machine. 2,116,155; May 3.

Lomax, Frank B., Chicago, Ill. Filtering eggs. 2,115,728; May 3.

Lomax, Frank B., Chicago, Ill. Filtering eggs. 2,115,729; May 3.

Lomax, Frank B., administrator. (See Lomax, William L.)

Lomax, William L., deceased, by F. B. Lomax, administrator, Chicago, Ill. Treating eggs. 2,115,730; May 3.

Longarzo, Victor, Lynbrook, assignor to Samuel Hourmouses, New York, N. Y. Coin slot for coin-controlled machines. 2,116,316; May 3.

Lorig, Clarence H. (See Williams, C. E., and Lorig.)

Lowenfels, Albert, White Plains, N. Y. Packing butter. 2,115,977; May 3.

Lozier, Matthew, Brooklyn, and C. H. Frost, Union, assignors to Cook Laboratories, Inc., New York, N. Y. Multiple compartment ampule and hypodermic syringe. 2,115,731; May 3.

Lubrication Corporation, The. (See Bock, Clarence H., assignor.)

Lubrication Corporation, The. (See Tear, Harry R., assignor.)

Lubrication Corporation, The. (See Tear, H. R., and Clark, assignors.)

Lühn, Oskar, Rodelheim, near Frankfort-on-the-Main, Germany. Electromagnetic relay. 2,115,865; May 3.

Lundberg, Everett E., assignor to Briggs Manufacturing Company, Detroit, Mich. Vehicle body. 2,116,313; May 3.

Lux, Heins, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Double grid electron tube and circuit. 2,115,866; May 3.

Lynn, Jesse V., Des Moines, Iowa. Powder or rouge blending and holding container. 2,115,930; May 3.

Lyon, George A., assignor to Lyon Incorporated, Detroit, Mich. Vehicle luggage and spare tire closure. 2,115,779; May 3.

Lyon Incorporated. (See Lyon, George A., assignor.)

Maas, Arnold, Berlin-Tegel, Germany, assignor to General Electric Company. Prime mover control mechanism. 2,116,440; May 3.

Maatschappij van Berkel's Patent. (See van Berkel, Wilhelmus A., assignor.)

Macdonald, Robert, Chicago, Ill. Lock and switch device. 2,116,246; May 3.

Macdonald, Alan J., Vancouver, British Columbia, Canada. Alarm clock. 2,116,247; May 3.

Mack Manufacturing Corporation. (See Loeffler, Bruno, assignor.)

Mackie, Alexander, et al. (See Davies, William J., assignor.)

Mackay, John R., West Caldwell, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Communicating system. 2,115,914; May 3.

MacLean, Donald, Middlechurch, Manitoba, Canada. Grain Stooker. 2,116,032; May 3.

Magnavox Company, The. (See Fisher, Cecil C., assignor.)

Maher, Joseph F. (See Jackson, G., and Maher.)

Maier, Louis, Niles Center, Ill. Combination door bumper and holder. 2,116,444; May 3.

Main, Frank L., Birmingham, and C. A. Sawtelle, assignors to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,115,961; May 3.

Makenny, William, Mountain View, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Article inspection machine. 2,116,398; May 3.

Malherbe, Gideon J., Bronxville, assignor to The De Laval Separator Company, New York, N. Y. Refining. 2,116,208; May 3.

Mall, Arthur W., Chicago, Ill. Angle grinding spindle. 2,110,491; May 3.

Mallory, P. R., & Co. (See Williams, Joseph S., assignor.)

Malm, Carl J., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Pretreatment of cellulose preparatory to acylation. 2,115,735; May 3.

Malmgren, George, San Francisco, Calif. Bore hole surveying apparatus and method. 2,116,120; May 3.

Mall, Arthur W., Chicago, Ill. Abrasive wheel. 2,116,272; May 3.

Malone, William R., Clearfield, Pa. Roadway construction. 2,116,033; May 3.

Manhattan Company, president and directors of the, trustee. (See Page, John E., assignor.)

Mann, Joseph, Philadelphia, Pa., assignor of one-half to W. Borenstein, Brooklyn, N. Y.; E. Borenstein, administratrix of said W. Borenstein, deceased. Machine for making tufted work on fabrics. 2,116,176; May 3.

Marathon Paper Mills Company. (See Hill, Richard T., assignor.)

Marathon Paper Mills Company. (See McConnell, Palmer B., assignor.)

Marathon Paper Mills Company. See Spilski, Frank, assignor.)

Marathon Paper Mills Company. (See Tishler, Lester A., assignor.)

Marcy, Frank E., San Diego, Calif. Ball mill. 2,115,820; May 3.

Marks, Lyle W., et al. (See Rogers, Charles M., assignor.)

Marshall, William. (See Ball, A. P., and Marshall.)

Marshall, William, and P. M. Camiener, assignors to Briggs Manufacturing Company, Detroit, Mich. Dome light assembly. 2,116,317; May 3.





Marquis, Burton J., Portland, Oreg. Heat and power generator. 2,115,821; May 3.

Marth, Paul, Dusseldorf, Germany. Making shaped bodies from hard substances. 2,116,399; May 3.

Marth, Paul, Dusseldorf, Germany. Hard substance alloy. 2,116,400; May 3.

Mason, Eugene E., Eugene, Oreg. Mop holder. 2,116,441; May 3.

Mathews, Charles B., Lobs Wood, Middleton, Ilkley, assignor of one-half to J. G. Ambrose, Beaconsfield, England. Core for use in the molding of hollow articles. 2,116,464; May 3.

Matsuyama, Yoshiji, S. Kuno, and S. Nasu, Tokyo, Japan, assignors to General Electric Company, New York, N. Y. Magnetic alloy. 2,116,401; May 3.

Matthael, Frederick C., Detroit, Mich. Automobile structure. 2,115,931; May 3.

Matuenaga, Yonosuke, Naka-ku, Yokohama, Japan. Aluminium alloy. 2,116,273; May 3.

Matuenaga, Yonosuke, Naka-ku, Yokohama, Japan. Aluminium alloy. 2,116,274; May 3.

Matuenaga, Yonosuke, Naka-ku, Yokohama, Japan. Aluminium alloy. 2,116,275; May 3.

Mauguy, Valentine A., La Garenne-Colombes, and R. J. Levy, Paris, France. Container for liquid servicing products. 2,116,077; May 3.

McAneny, Michael J., Jr. (See McAneny, Michael J., assignor.)

McAneny, Michael J., assignor to M. J. McAneny, Jr., Denver, Colo. Tool for applying hose clamps. 2,115,736; May 3.

McCain, George L., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Wheel suspension. 2,115,915; May 3.

McCann, Forest G., San Diego, Calif. Well boring apparatus. 2,116,350; May 3.

McClellan, C. B. (See Gorton, Clyde B., assignor.)

McCluer, Wilbert B., State College, Pa., assignor to Pennsylvania Petroleum Research Corporation. Testing of lubricating oils. 2,116,442; May 3.

McConnell, Palmer B., Appleton, assignor to Marathon Paper Mills Company, Rothschild, Wis. Dispensing carton. 2,115,867; May 3.

McGaughey, Carver N., Clarksburg, W. Va. Compounds and processes for cleaning molds. 2,116,034; May 3.

McHaffie, Ivan R., Montreal, Quebec, Canada, and D. Tyrer, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Treatment of metallic sulphides to recover sulphur and metallic oxides therefrom. 2,115,780; May 3.

McInnerney, Benjamin, Omaha, Nebr. Hydraulic brake. 2,115,995; May 3.

McIntosh, Earl C., St. Louis, Mo. Device for terracing graves. 2,115,868; May 3.

McKee, James, Media, assignor to Sun Oil Company, Philadelphia, Pa. Grease and making the same. 2,116,209; May 3.

McKee, Edward R., Hermitage, Tenn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Regenerated cellulose structures and preparing same. 2,116,210; May 3.

McKenney, William R., assignor of one-half to G. I. Biggs, East St. Louis, Ill. Sunken vessel locating apparatus. 2,115,996; May 3.

McLeod, Robert F., Glasgow, Scotland. Steering vessels. 2,116,276; May 3.

McMillen, James W., Nashville, Tenn. Bracket attachment for automobiles. 2,116,443; May 3.

McRorey, Roy L., Dallas, Tex. Automatic floor joist adjuster. 2,115,824; May 3.

Mead, Richard R., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 2,116,035; May 3.

Meerbeck, Gottfried, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Sealing insertion. 2,116,277; May 3.

Menge, Clarence H., Detroit, Mich., assignor to The Murray Corporation of America. Seat construction. 2,116,402; May 3.

Menkel, Henry D. (See O'Brien, F. F., and Menkel.)

Menschner, Johannes, Roeswein, Germany. Process and apparatus for measuring running webs. 2,115,737; May 3.

Menschner, Johannes, Roeswein, Germany. Measuring of running webs. 2,115,822; May 3.

Mergenthaler Linotype Company. (See Frolander, Frank C., assignor.)

Mergenthaler Linotype Company. (See Mead, Richard R., assignor.)

Mergenthaler Linotype Company. (See Thatcher, Thomas J., assignor.)

Mergott, J. E., Company. (See Hiering, William C., assignor.)

Mevi, George G., Mount Kisco, N. Y. Loose leaf binder. 2,116,078; May 3.

Miles, John B., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrical equipment. 2,116,318; May 3.

Miller, Carl M., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Bell. 2,116,320; May 3.

Miller, Floyd L., and C. Winning, Elizabeth, N. J., assignors to Standard Oil Development Company. Lubricating composition. 2,115,823; May 3.

Miller, Jacob P., New York, and F. Delavan, Woodside, assignors to Empire Fire Equipment Manufacturing Company, Inc., Long Island City, N. Y. Fire Extinguisher. 2,116,319; May 3.

Miller, Lester A. (See Holm, E. S., and Miller.)

Minich, Arthur, Newark, N. J., assignor to Nuodex Products Co., Inc. Substantially insoluble ink drier and producing the same. 2,116,321; May 3.

Minneci, Salvatore, and L. F. Blume, Pittsfield, Mass., assignors to General Electric Company, New York, N. Y. Step regulator. 2,116,403; May 3.

Mirfield, George E., assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Method of and apparatus for welding pipe. 2,116,405; May 3.

Monarch Marking System Company, The. (See Kohnle, Frederick, assignor.)

Moncrieff, Robert W. (See Dreyfus, H., and Moncrieff.)

Money, Benjamin F., assignor of thirty ne-hundredths to C. R. Terry, and thirty one-hundredths to A. Cohan, Tulsa, Okla. Lock nut. 2,116,036; May 3.

Montgomery, Alonzo B., assignor to The Cold Metal Process Company, Youngstown, Ohio. Apparatus for coiling material. 2,116,121; May 3.

Montsinger, Vincent M., Pittsfield, Mass., assignor to General Electric Company, New York, N. Y. Electrical induction apparatus. 2,116,404; May 3.

Moore, Garnett V. (See Coleman, G. H., and Moore.)

Moore, Vida L., New York, N. Y. Article of footwear. 2,116,445; May 3.

Morehouse, Terry B., Hempstead, N. Y., assignor to Radio Corporation of America. Receiver noise suppressor arrangement. 2,115,825; May 3.

Morgan, Ralph L., Richmond, N. H. Clothes hanger and brushing rack. 2,116,156; May 3.

Morin, Luke O., Jr., and R. H. Shelton, assignors to Samuel Stamping & Enameling Company, Chattanooga, Tenn. Oil burner. 2,116,278; May 3.

Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of stored cracked gasoline. 2,115,781; May 3.

Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of motor fuel. 2,116,157; May 3.

Morris Packaging Equipment Company. (See Ness, Edward F., assignor.)

Morrissey, William J., Brooklyn, N. Y. Film feeding mechanism. 2,115,738; May 3.

Morse Bros. Machinery Company. (See Morse, George G., assignor.)

Morse, George G., assignor to Morse Bros. Machinery Company, Denver, Colo. Impeller and lining construction. 2,115,997; May 3.

Moser, Karl R., Elizabeth, N. J. Apparatus for making core boxes. 2,116,248; May 3.

Moth, Clifford C. (See Benoit, L., and Moth, assignors.)

Motoraktieselskapet. (See Gross, Court, assignor.)

Motsinger, Armand V., Aberdeen, Md. Gas mask. 2,116,492; May 3.

Moulin, Pierre L., Paris, France, assignor to Eugene, Ltd., New York, N. Y. Sachet for treating and waving hair. 2,116,079; May 3.

Mowlds, Kenneth S., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Making red pigments. 2,115,739; May 3.

Muir, Andrew C., Lansdowne, and W. C. Griffiths, Narberth, Pa. Furnace. 2,116,322; May 3.

Mulnix, Ersel C., Chicago, Ill. Box. 2,115,782; May 3.

Munford, Thomas A. S., Toronto, Ontario, Canada. Rail lubricator. 2,116,249; May 3.

Munsingwear, Inc. (See Chatfield, Franklin, assignor.)

Munsingwear, Inc. (See Lindh, Jenny M., assignor.)

Murray Corporation of America, The. (See Menge, Clarence H., assignor.)

Myers, Oscar. (See Collis, R. E., and Myers, assignors.)

N. V. Molybdenum Comp. (See Schwarzkopf, Hans H., assignor.)

Nachman Spring-Filled Corporation. (See Simmons, Charles R., assignor.)

Nancarrow, Loyal, Royal Oak, Mich. Shoe sole and heel coloring device. 2,116,406; May 3.

Narrow Fabric Company, The. (See Sweeney, John W., assignor.)

Nasman, John A., Horton, Kans. Animal feeder. 2,116,361; May 3.

Nasu, Shigeji. (See Matsuyama, Y., Kuno, and Nasu.)

National Cash Register Company, The. (See Robertson, William H., assignor.)

National Fireworks, Inc. (See Jones, E. B., and Clark, assignors.)

National Ice Supply Company. (See Fink, Ferdinand, assignor.)

National Pneumatic Company. (See Forman, Paris R., assignor.)

Neal, Arthur M. (See Williams, J., Douglass, and Neal.)

Nelson, Charles S. (See Woodell, C. E., Nelson, and Lincoln.)

Nelson, Norman D., assignor to G. Felsenthal & Sons, Chicago, Ill. Display device and producing same. 2,116,471; May 3.

Nelson, Oscar H., assignor to Iver Johnson's Arms & Cycle Works, Fitchburg, Mass. Sight for firearms. 2,116,250; May 3.

Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 2,115,783; May 3.

Nesbit, Paul W., Walsenburg, Colo. Work or test sheet. 2,115,740; May 3.
Ness, Edward F., assignor to Morris Packaging Equipment Company, Toledo, Ohio. Method and apparatus for making cartons. 2,116,362; May 3.
Neumann, Jan. (See Hejduk, F., and Neumann.)
Newberry, Sidney H., Laurel Springs, N. J. Orchestra or street drum. 2,115,741; May 3.
Newcombe, Frank A. (See Richardson, H. K., and Newcombe.)
New Haven Clock Company, The. (See Whitehead, Richard H., assignor.)
Newhouse, Walter F., Benton Harbor, Mich. Making wirebound boxes. 2,115,869; May 3.
Newton, Roger H., near Sheffield, Ala. Mixing. 2,115,742; May 3.
Niblett, Thomas, Carvel Beach, Curtis Bay, Md. Interlocking assembly. 2,115,743; May 3.
Nichols Engineering & Research Corporation. (See Connolly, George E., assignor.)
Nicol, George G., et al. (See Davies, William J., assignor.)
Nishimura, Jin, assignor to Jidosha Koki Kabushiki Kaisha, Tokyo, Japan. Apparatus to open or shut the doors of automobiles. 2,116,446; May 3.
Nissly, Walter S., Floria, Pa. Road marking machine. 2,116,407; May 3.
Nomaka, Sueto, Naoiri-gun, Japan. Parachute. 2,116,037; May 3.
Norddeutsche Seekabelwerke A. G. (See Horn, Heinz, assignor.)
Norsk Spraengstofindustri A/S. (See Bille, Hearich, assignor.)
Northwest Engineering Corporation. (See Burke, Paul, assignor.)
Norton, Edward L., Summit, N. J., and R. F. Wick, St. George, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impedance transformer. 2,115,826; May 3.
Nozar, Joseph, Sr., Cleveland, Ohio. Nonrefillable bottle. 2,116,447; May 3.
Nuodex Products Co. (See Minich, Arthur, assignor.)
O'Brien, Frank F., and H. D. Menkel, Lima, Ohio. Screw driver and voltage detector. 2,116,448; May 3.
Ocenasek, William F., assignor to Walker-Turner Company, Inc., Plainfield, N. J. Machine tool. 2,116,122; May 3.
Ocenasek, William F., assignor to Walker-Turner Company, Inc., Plainfield, N. J. Jigsaw. 2,116,123; May 3.
O'Connor, George K., Evanston, assignor to Republic Flow Meters Company, Chicago, Ill. Valve. 2,115,908; May 3.
O'Donnell, Edward P., assignor of one-half to B. F. Kelley, Tulsa, Okla. Collapsible or knock-down toy. 2,116,279; May 3.
Ohlendorf, Robert A. F., assignor, by mesne assignments, to Felipe Saettone, Buenos Aires, Argentina. Safety razor blade sharpener. 2,116,038; May 3.
O'Leary, Charles M., Jr. (See Patterson, Edgar W., assignor.)
O'Leary, Charles M., Jr., and O. F. King, Houston, Tex. Floating cementing equipment. 2,116,408; May 3.
O'Neill, Robert F. (See Rust, N. M., and O'Neill.)
Orland, William J., Seattle, Wash. Illuminating device for swimmers. 2,115,744; May 3.
Orme, Wilbur L., Cambridge, Ohio. Table decorating unit. 2,115,962; May 3.
Osborne, William B., Muncie, Ind., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Planetary gear drive. 2,115,963; May 3.
Osborne, William B., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Planetary gear drive. 2,115,964; May 3.
Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electric condenser. 2,115,916; May 3.
Pacewick, Albert J., Chicago, Ill. Lock. 2,115,784; May 3.
Page, John E., Sydney, New South Wales, Australia, assignor to president and directors of the Manhattan Company, trustee. Container. 2,115,745; May 3.
Page, Leslie M., assignor to Beatty-Page, Inc., New York, N. Y. Hat sweat band. 2,115,965; May 3.
Pangborn Corporation. (See Keefer, Walter L., assignor.)
Pangborn Corporation. (See Rosenberger, W. A., and Keefer, assignors.)
Papello, Karl, assignor to the firm of Carl Zeiss, Jena, Germany. Camoid gearing. 2,116,323; May 3.
Parcells, M. Lloyd. (Se Kroll, Martin W., assignor.)
Parker, Henry W., assignor to Rogers Radio Tubes Ltd., Toronto, Ontario, Canada. Variable coupler for electrical systems. 2,116,080; May 3.
Parker Rust Proof Company. (See Gordon, Robert H., assignor.)
Parkin, Winfred T., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Razor. 2,116,280; May 3.
Parks, Edward F., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 2,116,409; May 3.
Parks, Edward F., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 2,116,410; May 3.
Parsons, Walter, Blue Mountain Lake, N. Y. Needle threader. 2,115,999; May 3.
Patent Developers, Inc. (See Baker, Solomon F., assignor.)
Patent Developers, Inc. (See Van Husen, Norman, assignor.)
Patterson, Edgar W., assignor of one-half to C. M. O'Leary, Jr., Los Angeles, Calif. Perforating oil well casing. 2,116,465; May 2.
Peek, Horace H., Sr., Chattanooga, Tenn. Boiler. 2,116,211; May 3.
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Pennsylvania Petroleum Research Corporation. (See Fenske, Merrell R., assignor.)
Pennsylvania Petroleum Research Corporation. (See McCluer, Wilbert B., assignor.)
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Automobile air conditioning system. 2,115,785; May 3.
Perkins, Julian L., West Springfield, Mass. Drainboard. 2,116,363; May 3.
Petersen, Marius E. (See Zachariassen, A., and Petersen.)
Peterson, Ruben O., Glen Ellyn, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Coating for gaskets and the like. 2,116,000; May 3.
Peyinghaus, Walter, Egge, near Volmarstein-on-the-Ruhr, Germany. Lubricated axle bearing. 2,115,746; May 3.
Philadelphia Quartz Company of California, Ltd. (See Baker, Chester L., assignor.)
Philipson, Stanley J., Forest Hills, Long Island, N. Y. Advertising device. 2,116,411; May 3.
Phillips Packing Company. (See Winterling, William F., assignor.)
Pier, Mathias, Heidelberg, and W. Kroenig, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Non-knocking motor fuels. 2,116,081; May 3.
Pinker, Ray H. (See Smith, C. C., and Pinker.)
Pitman, Henry L., Westfield, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,115,870; May 3.
Pitsch, Helmut, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Automatic receiver gain control circuits. 2,115,871; May 3.
Planeta, Anthony W., Linden, N. J. Shade supporting frame. 2,115,966; May 3.
Plews Processes, Inc. (See Plews, William J., assignor.)
Plews, William J., Niagara Falls, N. Y., assignor to Plews Processes, Inc. Apparatus for the explosive treatment of materials. 2,116,212; May 3.
Poeschmann, Max, West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Hosiery inspecting device. 2,116,478; May 3.
Poindexter, Charles F. (See Poindexter, Charles W. and C. F.)
Poindexter, Charles W. and C. F., near Yadkinville, N. C. Safety appliance for airplanes. 2,115,932; May 3.
Poland, Frank F. (See Lindner, K. A., and Poland.)
Pontis, William G., Dayton, Ohio. Fishing rod handle. 2,116,158; May 3.
Poole, Jesse V., Abington, assignor to Puritan Manufacturing Company, Boston, Mass. Trimming machine. 2,115,786; May 3.
Porter, Albert N., assignor to J. F. Darby, Tulsa, Okla. Straight lift pumping jack. 2,115,872; May 3.
Powell, Raymond E., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric system and control apparatus therefor. 2,115,827; May 3.
Powell, Winfred T., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 2,116,178; May 3.
Powers, Milton A., Detroit, Mich., assignor, by mesne assignments, to Timken-Detroit Axle Company. Igniting device for liquid fuel burners. 2,115,873; May 3.
Prance, Alvin W., Pleasant Ridge, assignor to Briggs Manufacturing Company, Detroit, Mich. Dome light assembly. 2,116,324; May 3.
Prescott, Charles H., Jr., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron emitting cathode and preparation. 2,115,828; May 3.
Pressley, Augusta M., Concord, N. C. Quill chute. 2,116,039; May 3.
Preston, Nell D., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,116,177; May 3.
Prickett, Thomas B. (See Houdry, E. J., and Prickett.)
Prolamine Products Incorporated. (See Hansen, Donald W., assignor.)
Puc Vojtech. (See Schafer, Friedrich, assignor.)
Pulp Products Company. (See Heymann, Roy D., assignor.)
Puritan Manufacturing Company. (See Poole, Jesse V., assignor.)
Quave, George M., West Asheville, N. C. Pipe organ. 2,116,040; May 3.
Quisling, Sverre, Madison, Wis. Arch support and blank therefor. 2,116,124; May 3.



Radford, George S., assignor to Hat Corporation of America, Norwalk, Conn. Sweat band for hats. 2,116,082; May 3.
Radio Corporation of America. (See Carter, Philip S., assignor.)
Radio Corporation of America. (See Emmert, Rodger J., assignor.)
Radio Corporation of America. (See Farnham, Paul O., assignor.)
Radio Corporation of America. (See Jarvis, Kenneth W., assignor.)
Radio Corporation of America. (See Keall, Oswold E., assignor.)
Radio Corporation of America. (See Morehouse, Terry B., assignor.)
Radio Corporation of America. (See Roberts, Walter V., assignor.)
Radio Corporation of America. (See Rust, N. M., and O'Neill, assignors.)
Radio Corporation of America. (See Smith, Newell R., assignor.)
Radio Corporation of America. (See Smith, S. B., and Wright, assignors.)
Radio Corporation of America. (See Sternberg, Theodore A., assignor.)
Raffold Process Corporation. (See Rafton, Harold R., assignor.)
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Paper manufacture. 2,115,747; May 3.
Ralston, Anderson W., assignor to Armour and Company, Chicago, Ill. Reacting nitriles with phosphorus pentasulphide. 2,116,472; May 3.
Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 2,115,978; May 3.
Reach, Milton B., Springfield, Mass. Inflated ball. 2,116,479; May 3.
Reconstruction Finance Corporation. (See Hobson, Stanley H., assignor.)
Reed, Charles E. & Co. (See Reed, Charles E., assignor.)
Reed, Charles E., assignor to Charles E. Reed & Co., Chicago, Ill. Die for cutting sheet material. 2,116,364; May 3.
Refrigeration Patents Limited. (See Hall, Cecil S., assignor.)
Regan, Michael C., Califon, N. J. Container. 2,116,041; May 3.
Rehm, Charles W., Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Hydration of ethers. 2,115,874; May 3.
Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Trailer vehicle. 2,116,412; May 3.
Reisner, W. H., Manufacturing Company, The. (See Reisner, William H., assignor.)
Reisner, William H., assignor to The W. H. Reisner Manufacturing Company, Hagerstown, Md. Electromagnetic control apparatus. 2,115,748; May 3.
Remington Rand Inc. (See Watkins, George E., assignor.)
Remington Rand Inc. (See Williamson, Alexander C., assignor.)
Rens, Edward, assignor to Hammel, Riglander & Co., Inc., New York, N. Y. Friction jewel setting device. 2,116,213; May 3.
Republic Flow Meters Company. (See O'Connor, George K., assignor.)
Republic Steel Corporation. (See Burke, Earl I., assignor.)
Rheinische Kampfer-Fabrik G. m. b. H. (See Schöllkopf, Karl, assignor.)
Richardson, Henry K., Bloomfield, and F. A. Newcombe, Nutley, N. J., assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company. Temperature control for molten streams. 2,116,450; May 3.
Richmond, George A. (See Hasselkus, J. W., and Richmond.)
Rietsch, Eberhard, Hennigsdorf, Germany, assignor to General Electric Company, New York, N. Y. Shield. 2,116,413; May 3.
Röber, Constantin F., assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Mueller & Co., Dresden, Germany. Cigar making machine. 2,115,829; May 3.
Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Regenerative detector. 2,115,875; May 3.
Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Receiver noise limiter circuit. 2,115,876; May 3.
Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Printing mechanism for cash registers. 2,116,214; May 3.
Robinson, Albert E., Torrington, Conn. Bathtub steam eliminator. 2,116,281; May 3.
Robinson, Preston, Williamstown, assignor to Sprague Specialties Co., North Adams, Mass. Electrolytic device. 2,116,469; May 3.
Rocard, Yves, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Electronic oscillator tube. 2,115,877; May 3.
Rodman, Hugh, Chicago, Ill. Carburetor control device. 2,115,878; May 3.
Rogers, Charles M., assignor of one-fourth to L. W. Marks and one-fourth to S. Hecklin, Spartanburg, S. C. Transfer fork for looms. 2,116,159; May 3.
Rogers, Jackson D., Bay Village, Ohio. Chair structure. 2,115,879; May 3.
Rogers Radio Tubes Ltd. (See Parker, Henry W., assignor.)
Rogers, Robinson W., Orlando, Fla. Orange juice extractor. 2,116,325; May 3.
Röhm, Otto, Darmstadt, Germany. Tanning process. 2,115,880; May 3.
Romeo, Charles, Brooklyn, N. Y. Scraper. 2,116,282; May 3.
Romolgo, Rhombodo, West Los Angeles, Calif. Thermometer case. 2,116,283; May 3.
Roosenstein, Hans O., Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie. Relay circuit. 2,115,881; May 3.
Rosenberger, William A., and W. L. Keefer, assignors to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,116,160; May 3.
Rosenblum, Israel, New York, N. Y. Producing oil-soluble phthalic acid, polybasic aliphatic acid resin. 2,116,125; May 3.
Rosenzweig, Siegfried, Long Island City, N. Y. Vibration damper. 2,116,042; May 3.
Ross, James W., Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Guide and deflector for glass charges. 2,116,284; May 3.
Rossander, Swanie S. (See Hannum, C. W., and Rossander.)
Rostan, John D. (See von Friedrich, Charles, assignor.)
Rothschild, Sol. (See Steinmetz, W. F., and Rothschild.)
Rowe, John H., Grangeville, Idaho. Electrically operated tool. 2,116,043; May 3.
Rubin, Michael M., assignor to The Thomas Steel Company, Warren, Ohio. Coating ferrous articles. 2,115,749; May 3.
Rubin, Michael, and R. E. Alexander, assignors to The Thomas Steel Company, Warren, Ohio. Coating strip steel and products thereof. 2,115,750; May 3.
Ruben, Samuel, New Rochelle, N. Y. Electrical switch. 2,116,215; May 3.
Rucker, Claude S., Washington, D. C. Device for straining and filtering. 2,116,044; May 3.
Rufino, Antonio O., Buenos Aires, Argentina. Key retaining device for locks. 2,116,045; May 3.
Runge, Wilhelm, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie, m. b. H., Berlin, Germany. Anteana. 2,115,787; May 3.
Rüsch, Willy, Rommelshausen, near Stuttgart, Germany. Rubber tube for medical use. 2,116,083; May 3.
Ruskin, Francis R. (See Ruskin, Simon L., assignor.)
Ruskin, Simon L., assignor to F. R. Ruskin, New York, N. Y. Metal compounds of nucleoproteins and of their organic hydrolytic decomposition products and making same. 2,115,751; May 3.
Russell, Sidney S., St. Louis, Mo. Quilting frame. 2,116,451; May 3.
Rust, Noël M., and R. F. O'Neill, Chelmsford, England, assignors to Radio Corporation of America. Adjustable tuning inductor. 2,115,882; May 3.
Rustless Iron and Steel Corporation. (See Krivobok, Vsevolod N., assignor.)
Saettone, Felipe. (See Ohlendorf, Robert A. F., assignor.)
Salerno Machinery Company. (See Brandt, John, assignor.)
Sampson, Charles H., Rochester, N. Y. Calculating attachment for typewriters. 2,116,285; May 3.
Sampson, Charles H., Rochester, N. Y. Calculating attachment for printing machines. 2,116,286; May 3.
Samuel Stamping & Enameling Company. (See Morin, L. O., Jr., and Shelton, assignors.)
Saunders, Sydney L. M., London, England. Synthetic resin composition. 2,116,084; May 3.
Sauzedde, Claude, assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich. Brake adjusting means. 2,116,216; May 3.
Sawtelle, Charles A. (See Main, F. L., and Sawtelle.)
Schäfer, Friedrich, St. Gallen, Switzerland, assignor of one-half to Waldes A Spol (partners J. Waldes, Z. Waldes, and V. Puc). Fastener. 2,116,365; May 3.
Scharlau, Hans, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Ultrashort wave system. 2,115,788; May 3.
Schering A. G. (See Dohrn, M., and Diedrich, assignors.)
Schewelov, Ilja, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Sign display apparatus. 2,116,287; May 3.
Schifrin, Moses J., Brooklyn, N. Y. Composite fabric. 2,115,967; May 3.
Schiltz, Bernard P., assignor to The Foote-Burt Company, Cleveland, Ohio. Workholder for metal-cutting machines. 2,116,251; May 3.
Schlage Lock Company. (See Schlage, Walter R., assignor.)
Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Lock. 2,116,001; May 3.
Schmid, Kurt, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Directional antenna system. 2,115,789; May 3.
Schmutz, Hans, Bern, Switzerland. Motor-car brake apparatus. 2,116,046; May 3.

Schoenbaum, Joseph R., assignor of one-half to P. Glaberman, New York, N. Y. Perpetual calendar. 2,116,288; May 3.
Schöllkopf, Karl, assignor to the firm Rheinische Kampfer-Fabrik G. m. b. H., Dusseldorf-Oberkassel, Germany. Alkylation of compounds and the isomerisation and conversion of alkyl-compounds. 2,115,884; May 3.
Schrank, Max C., Bridgeton, N. J. Slip. 2,116,047; May 3.
Schwarz, Karl, assignor, by mesne assignments, to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Visual indicator for tuning means. 2,116,217; May 3.
Schwarzkopf, Hans H., Reutte, Austria, assignor to N. V. Mölybdenum Comp., Amsterdam, Netherlands. Alloys for electrical contacts and electrodes. 2,116,252; May 3.
Scott, Louis F., assignor to The J. G. Brill Company, Philadelphia, Pa. Folding seat. 2,116,366; May 3.
Scott, Samuel S. (See Crecca, J. D., and Scott.)
Scovill Manufacturing Company. (See Wahl, John, assignor.)
Scovill Manufacturing Company. (See Williams, Selden T., assignor.)
Sears, Roebuck and Co. (See Ellison, Whitfield, assignor.)
Secoy, Wilbur M., Lancaster, Ohio, assignor, by mesne assignments, to Solar Laboratories, Beaver, Pa. Machine for decorating ware. 2,116,466; May 3.
Secoy, Wilbur M., Lancaster, Ohio, assignor, by mesne assignments, to Solar Laboratories, Beaver, Pa. Machine for stenciling ware. 2,116,467; May 3.
Seifert, Otto E., Union, N. J. Punch press. 2,116,326; May 3.
Seil, Gilbert E., Cynwyd, Pa. Deflection of electrode arcs. 2,116,218; May 3.
Seil, Gilbert E., Cynwyd, Pa. Treatment of metals. 2,116,219; May 3.
Selin, Karl H., Brooklyn, N. Y. Lawn mower grinder. 2,116,414; May 3.
Shanck, Roy B., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Picture transmitting system. 2,115,917; May 3.
Shanks, Carlyle D., Abilene, Tex. Cultivator bracing and fender attachment. 2,116,161; May 3.
Shaw, Burton E., Adel, assignor to Penn Electric Switch Co., Des Moines, Iowa. Refrigerating system. 2,116,002; May 3.
Sheets, Robert A., Oak Park, and S. E. Noble, Lake Forest, Ill., assignors to General Railway Signal Company, Rochester, N. Y. Railway signaling system. 2,115,979; May 3.
Shell Development Company, The. (See Broeze, J. J., and Van Willigen, assignors.)
Shell Development Company. (See Lindeke, Hans F., assignor.)
Shelton, Rob R. (See Morin, L. O., Jr., and Shelton.)
Shenton, Francis, assignor to Frick Company, Waynesboro, Pa. Packless float switch. 2,116,415; May 3.
Shepherd, Thomas L., London, England. Fabric, paper, leather, or the like. 2,116,280; May 3.
Sher, Samuel, Chicago, Ill. Lamp. 2,115,883; May 3.
Sherman, Isidore. (See Slutsky, Samuel, assignor.)
Sherwin-Williams Company, The. (See Smith, A. L., and Curtis, assignors.)
Sherwood, Glenn L., assignor to Kaywood Corporation, Benton Harbor, Mich. Door check. 2,115,968; May 3.
Shipp, Joseph H. (See Hunt, J. K., and Shipp.)
Shipway, George E., Darien, Noroton, Conn., assignor to Johns-Manville Corporation, New York, N. Y. Structural assembly and method of making the same. 2,116,452; May 3.
Shoemaker, Bernard H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Treating petroleum wax. 2,116,220; May 3.
Signal Engineering & Manufacturing Company. (See Wheelock, John H., assignor.)
Silten, Ernst, Berlin, Germany. Method and device for humidifying mixtures for narcosis. 2,116,328; May 3.
Simmons, Charles R., assignor to Nachman Springfilled Corporation, Chicago, Ill. Machine for tempering springs. 2,116,327; May 3.
Simmons Company. (See Woller, E. E., Travis, and Bayer.)
Simon, Kenneth C. (See Handforth, S. L., and Simon.)
Simpson, John W. L., Littleover, Derby, England. Soot blowing and cleaning apparatus for boilers, economisers, or the like. 2,115,885; May 3.
Sinclair, Charles W., assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich. Brake drum. 2,115,980; May 3.
Sinderson, John B. (See Granberg, B., and Sinderson.)
Sivertsen, Jens, Philadelphia, Pa. Apparatus to automatically determine the angular position of unbalance in rotatable bodies. 2,116,221; May 3.
Skelly Oil Company. (See Smith, Howard V., assignor.)
Slack, Frederic W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle. 2,115,918; May 3.
Slack, Frederick W., assignor to Chrysler Corporation, Detroit, Mich. Vehicle wheel suspension. 2,115,919; May 3.
Sleeper, Sanborn C., Newberry, and L. Du Pras, Marquette, Mich. Snowbank cutter. 2,115,790; May 3.
Sloane-Blabon Corporation. (See Koenig, Walter J., assignor.)
Sloane-Blabon Corporation. (See Wagner, Albert, assignor.)
Slutsky, Samuel, New York, assignor to I. Sherman, Brooklyn, N. Y. Sign. 2,116,416; May 3.
Smally, Emanuel C., Canton, Ohio. Electric device. 2,116,162; May 3.
Smith, A. O., Corporation. (See Dickey, F. F., and Cole, assignors.)
Smith, Arthur L., and R. D. Curtis, Oakland, Calif., assignors to The Sherwin-Williams Company. Insecticides. 2,115,933; May 3.
Smith, Chalmers C., Glendale, and R. H. Pinker, Los Angeles, Calif. Color photography. 2,115,886; May 3.
Smith, Edward W., Melrose, assignor to Submarine Signal Company, Boston, Mass. Apparatus for treating metals. 2,116,367; May 3.
Smith, Herbert, Seattle, Wash. Building construction. 2,116,003; May 3.
Smith, Howard V., Eldorado, Kans., assignor to Skelly Oil Company, Tulsa, Okla. Combined oil cracking and viscosity breaking process. 2,116,417; May 3.
Smith, James M., Aliquippa, Pa., assignor to Jones & Laughlin Steel Corporation. Cold reducing ferrous material. 2,116,126; May 3.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,115,920; May 3.
Smith, London P., Inc. (See Jorgenson, Arthur P., assignor.)
Smith, Newell R., Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America. Electrode mount. 2,115,934; May 3.
Smith, Paul S., Cambridge, N. Y., assignor to Lea Fabrics, Inc., Newark, N. J. Making pile fabrics. 2,116,048; May 3.
Smith, Russell T., Richmond, assignor to Climax Machinery Company, Indianapolis, Ind. Method and apparatus for conditioning air. 2,116,480; May 3.
Smith, Sidney B., and F. M. Wright, Chelmsford, England, assignors to Radio Corporation of America. Coupling device. 2,115,791; May 3.
Smithson, Willard W., Norfolk, Va. Attachment for drinking vessels. 2,116,418; May 3.
Societe Nobel Francaise. (See Belloc, Maurice H., assignor.)
Solar Laboratories. (See Secoy, Wilbur M., assignor.)
Spencer, William M., Trenton, N. J., assignor, by mesne assignments, to Filatex Corporation, New York, N. Y. Making rubber thread or yarn, and machine for making same. 2,116,222; May 3.
Spicer, Clarence W., assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Sealed propeller shaft. 2,116,290; May 3.
Spicer Manufacturing Corporation. (See Lewis, Robert P., assignor.)
Spicer Manufacturing Corporation. (See Spicer, Clarence W., assignor.)
Spiski, Frank, Menasha, assignor to Marathon Paper Mills Company, Rothschild, Wis. Dispensing carton. 2,115,887; May 3.
Sprague Specialties Co. (See Robinson, Preston, assignor.)
Staats, Franklin E., assignor to Staats Hydraulic Appliance, Inc., Peoria, Ill. Hydraulic clutch. 2,116,049; May 3.
Staats Hydraulic Appliance, Inc. (See Staats, Franklin E., assignor.)
Stacey, Alfred E., Jr., Essex Falls, assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. Curing food products. 2,116,223; May 3.
Staley, Allen C., Birmingham, assignor to Chrysler Corporation, Detroit, Mich. Control system for air compressors. 2,115,888; May 3.
Stanco Incorporated. (See Grant, Dudley H., assignor.)
Standard Brands Incorporated. (See Gore, H. C., and Frey, assignors.)
Standard-I. G. Company. (See Dorrer, Eugen, assignor.)
Standard Oil Company. (See Beale, Edward B., assignor.)
Standard Oil Company. (See Shoemaker, Bernard H., assignor.)
Standard Oil Development Company. (See Churchill, Durand, Jr., assignor.)
Standard Oil Development Company. (See Dawson, Oliver H., assignor.)
Standard Oil Development Company. (See Frolich, Per K., assignor.)
Standard Oil Development Company. (See Fulton, S. C., and Vesterdal, assignors.)
Standard Oil Development Company. (See Gohr, Edwin J., assignor.)
Standard Oil Development Company. (See Miller, F. L., and Winning, assignor.)
Standard Oil Development Company. (See Wiezevich, Peter J., assignor.)
Standard Pressed Steel Co. (See Hallowell, Howard T., assignor.)
Staubitz, Edward J., assignor to Blaw-Knox Company, Pittsburgh, Pa. Antenna tower. 2,116,368; May 3.
Steiert, Alois F., Philadelphia, Pa. Intermittent movement for display devices. 2,116,127; May 3.
Steimel, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Circuit arrangement for coupling electron tubes. 2,115,889; May 3.



Steiner, Hans, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Floating piston plant. 2,115,921; May 3.
Steinmetz, William F., New York, and S. Rothschild, Brooklyn, N. Y. Safety razor. 2,115,792; May 3.
Stemen, William R. (See Urbain, O. M., and Stemen.)
Sternberg, Theodore A., Lyndhurst, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Mount for electron discharge devices. 2,116,224; May 3.
Sterns, Jens, New York, N. Y., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation. Interlocked gypsum lumber. 2,115,936; May 3.
Stevens, William, West Roxbury, assignor to Fullvision Outdoor Advertising Corporation, Boston, Mass. Fullvision outdoor advertising structure. 2,116,128; May 3.
Stinson, Floyd E., Euclid, assignor to The Bettcher Manufacturing Company, Cleveland, Ohio. Venetian blind valance. 2,115,935; May 3.
Stock, Hubert A., and A. J. Wilmot, Peterborough, England. Adjustable support for electric lamps. 2,116,050; May 3.
Stolp, Oscar, Brooklyn, N. Y. Filing device. 2,116,369; May 3.
Street, Edwin C. (See Boyd, Leonard E., assignor.)
Stringer, Louis C., assignor to Light Service Corporation, Portland, Oreg. Severing and reuniting glass objects. 2,116,129; May 3.
Strube, Harry L., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Vibrating screen. 2,116,225; May 3.
Stumpp, Anthony S., Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rubber spreading machine. 2,115,752; May 3.
Sturman, Robert E., Minneapolis, Minn. Sash balance. 2,116,329; May 3.
Sturtevant, B. F., Company. (See Anderson, S. M., and Hamilton, assignors.)
Submarine Signal Company. (See Smith, Edward W., assignor.)
Sugg, Thomas F., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Leasing mechanism for warping machines. 2,116,179; May 3.
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Sulzer Freres Societe Anonyme. (See Honegger, Paul, assignor.)
Snlzer Frères, Societe Anonyme. (See Steiner, Hans, assignor.)
Sun Oil Company. (See McKee, James, assignor.)
Sundstrand Machine Tool Co. (See Granberg, B., and Sinderson, assignors.)
Svenska Aktiebolaget Bromsregulator. (See Browall, Bert H., assignor.)
Swanson, Harry R., White Plains, and J. S. Wallis, assignors to Foster Wheeler Corporation, New York, N. Y. Fractional distillation. 2,116,793; May 3.
Swartwood, Kenneth, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,115,794; May 3.
Sweeney, John W., assignor to The Narrow Fabric Company, West Reading, Pa. Display folder for articles of wearing apparel. 2,116,481; May 3.
Talbot, Harry W., San Francisco, Calif. Cocktail mixer and glass cooler. 2,115,753; May 3.
Taylor, Carl C. (See Taylor, James Y. and C. C.)
Taylor, George N., East Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Sizing device for winding machines. 2,116,453; May 3.
Taylor Instrument Companies. (See Widmer, Jules A., assignor.)
Taylor Instrument Companies. (See Young, William M., assignor.)
Taylor, James Y. and C. C., assignors to Educational Laboratories, Inc., Brownwood, Tex. Educational device. 2,116,163; May 3.
Taylor, James Y., Southbridge, Mass., and C. C. Taylor, assignors to Educational Laboratories, Inc., Brownwood, Tex. Educational device. 2,116,164; May 3.
Tear, Harry R., Evanston, assignor to The Lubrication Corporation, Chicago, Ill. Lubricating device. 2,116,004; May 3.
Tear, Harry R., Evanston, and O. B. Clark, assignors to The Lubrication Corporation, Chicago, Ill. Lubricating device. 2,116,005; May 3.
Teare, Albert R., trustee. (See Welker, Oscar B., assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Schewelov, Ilja, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hofer, Rudolf, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Lux, Heins, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Osnos, Mendel, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Steimel, Karl, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Pitsch, Helmut, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roosenstein, Hans O., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Runge, Wilhelm, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Scharlau, Hans, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schmid, Kurt, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schwarz, Karl, assignor.)
Teletype Corporation. (See Kleinschmidt, Edward E., assignor.)
Terry, Andrew, Company, The. (See Bondeson, Carl G., assignor.)
Terry, Charles R. et al. (See Money, Benjamin F., assignor.)
Textile Machine Works. (See Poeschmann, Max, assignor.)
Thatcher, Thomas J., Huntington, N. Y., assignor to Mergenthaler Linotype Company, Typographical composing and casting machine. 2,116,051; May 3.
Theriault, Joseph E., Easthampton, Mass. Tobacco pipe. 2,115,981; May 3.
Thiele, Richard, Valley Mills, Tex. Seat post. 2,115,830; May 3.
Thieme, Otto, Hartford, Conn., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,115,922; May 3.
Thoma, Dieter, Munich, Germany. Hydraulic turbine governor. 2,115,890; May 3.
Thomas Steel Company, The. (See Rubin, Michael M., assignor.)
Thomas Steel Company, The. (See Rubin, M., and Alexander, assignors.)
Thompson, Marvin R., Baltimore, Md. Highly active preparation of ergot and making same. 2,116,454; May 3.
Thompson Products Incorporated. (See Hufferd, G. H., and Graham, assignors.)
Thys, Edouard, San Francisco, Calif. Hop and stem separator. 2,116,006; May 3.
Timken-Detroit Axle Company, The. (See Powers, Milton A., assignor.)
Tishler, Lester A., Brooklyn, N. Y., assignor to Marathon Paper Mills Company, Rothschild, Wis. Dispensing carton. 2,115,891; May 3.
Tjaarda, John, Birmingham, assignor to Briggs Manufacturing Company, Detroit, Mich. Door and body construction. 2,116,330; May 3.
Tomlinson, Fay M., Cleveland, Ohio, assignor to Arthur M. Hood, trustee. Speed varying gearing. 2,116,180; May 3.
Toussaint, Walter J., Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, New York, N. Y. Preparation of hexoic acids. 2,115,892; May 3.
Travis, Don C. (See Woller, E. E., Travis, and Bayer.)
Tripp, Elwood I., assignor to I. F. Laucks Inc., Seattle, Wash. Box end. 2,116,331; May 3.
Tripp, Willard A. (See Harris, C. F., and Tripp.)
Triton Belco A. G. (See Ehrhardt, Adolf, assignor.)
Truesdell, John S., Columbus, Ohio. Apparatus for producing peanut coated candies. 2,115,969; May 3.
Trumbull Electric Manufacturing Company, The. (See Carlson, John E., assignor.)
Tsuchiya, Inosuke, Furocho, Dairi, Moji, Fukuoka-ken, Japan. Lawn rake. 2,116,291; May 3.
Tubize Chatillon Corporation. (See Cooper, Wilfrid B., assignor.)
Turpin, Norman W., Hazelton, Pa. Combined trailer coupling and brake. 2,116,052; May 3.
Tyrer, Daniel. (See McHaffie, I. R., and Tyrer.)
U. D. Engineering Company Limited. (See Cracknell, Richard J., assignor.)
Ullman, Jacques C., Cincinnati, Ohio. Connector for drain tiles. 2,116,165; May 3.
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)
Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)
Underwood Elliott Fisher Company. (See Thieme, Otto, assignor.)
Union Carbide and Carbon Corporation. (See Karwat, Ernst, assignor.)
Union Carbide and Carbon Corporation. (See Kehl, Robert J., assignor.)
Union Carbide and Carbon Corporation. (See Rehm, Charles W., assignor.)
Union Carbide and Carbon Corporation. (See Toussaint, Walter J., assignor.)
United Aircraft Corporation. (See Henrichsen, Knut, assignor.)
United States Stoneware Company. (See Chamberlain, James M. W., assignor.)
Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)
United Shoe Machinery Corporation. (See Bagshaw, C. M., and Harrington, assignors.)
United Shoe Machinery Corporation. (See Engel, Karl, assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Jacob C., assignor.)
United Shoe Machinery Corporation. (See King, Harry C., assignor.)
United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)

Universal Oil Products Company. (See Ipatieff, V., and Corson, assignors.)
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
Universal Oil Products Company. (See Swartwood, Kenneth, assignor.)
Universal Winding Company. (See Parks, Edward F., assignor.)
Universal Winding Company. (See Taylor, George N., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Mueller & Co. (See Röber, Constantin F., assignor.)
Urbain, Oliver M., and W. R. Stemen, Columbus, assignor to C. H. Lewis, Harpster, Ohio. Purification of organically polluted water. 2,116,053; May 3.
Urban, Frank G., Morristown, N. J. Fruit core extractor. 2,115,832; May 3.
Urbaniak, Ignats, Hindenburg, Oberschlesien, Germany. Coring, dividing, and condensing ingots of cruciform cross-section. 2,115,893; May 3.
Van Berkel, Wilhelmus A., Brussels, Belgium, assignor to Maatschappij van Berkel's Patent N. V., Rotterdam, Netherlands. Vacuum cleaning-apparatus. 2,116,085; May 3.
Van Berkel, Wilhelmus A., Brussels, Belgium. Registering or recording device for weighing apparatus. 2,116,086; May 3.
Van Buren, Edmund, Kansas City, Mo. Toilet. 2,116,253; May 3.
Van Husen, Norman, assignor, by mesne assignments, to Patent Developers, Inc., Detroit, Mich. Torque device for tandem units. 2,116,485; May 3.
Van Meter, William L., Philadelphia, Pa. Friction device. 2,116,130; May 3.
Van Willigen, Gerrit. (See Broese, J. J., and Van Willigen.)
Vaughn, Sidney P., U. S. Navy, Ackerman, Miss. Rotative wing system. 2,115,754; May 3.
Vereinigte Stahlwerke, Aktiengesellschaft. (See Bühler, Hans, assignor.)
Vesterdal, Hans G. (See Fulton, S. C., and Vesterdal.)
Victor Manufacturing & Gasket Company. (See Heinze, William A., assignor.)
Victor Manufacturing & Gasket Company. (See Peterson, Ruben O., assignor.)
Vogel, Joseph A., Company. (See Barnard, Daniel P., Jr., assignor.)
Vogel, Leo J., Pittsburgh, Pa. Monocable aerial tramway system. 2,116,226; May 3.
Von Friedrich, Charles, assignor, by mesne assignments, to J. P. Bostan, Valdese, N. C. Producing fermenting agent. 2,116,482; May 3.
Wachter, Frank, deceased, New York, N. Y.; Theresia M. Wachter, administratrix. 2,116,493; May 3.
Wachter, Theresia M., administratrix. (See Wachter, Frank, assignor.)
Wagner, Albert, assignor to Sloane-Blabon Corporation, Trenton, N. J. Printing method and apparatus. 2,116,455; May 3.
Wahl, John, Rosedale, N. J., assignor, by mesne assignments, to Scovill Manufacturing Company, Brooklyn, N. Y. Valve core. 2,116,087; May 3.
Wainwright, Charles, Erie, Pa. Air governor. 2,116,456; May 3.
Waite, Fred M., Saranac Lake, N. Y. Hair cutting device. 2,116,068; May 3.
Wakefield, Frank E., assignor to Evans Case Company, North Attleboro, Mass. Combined case and lighter. 2,116,292; May 3.
Waldes, Jindrich. (See Schafer, Friedrich, assignor.)
Waldes A Spol. (See Schafer, Friedrich, assignor.)
Waldes, Zikmund. (See Schafer, Friedrich, assignor.)
Waldorf Paper Products Company. (See Boeye, Paul F., assignor.)
Walker-Turner Company. (See Ocenasek, William F., assignor.)
Wallace & Tierman Products, Inc. (See Mackay, John R., assignor.)
Wallerstein, Leo, New York, N. Y. Deproteinization of rubber latex. 2,116,089; May 3.
Wallis, John S. (See Swanson, H. R., and Wallis.)
Walter, Carl W., Newton, Mass. Apparatus for and method of preparing, storing, and dispensing fluids. 2,116,132; May 3.
Walter, George S., Chicago, Ill. Writing pen. 2,115,970; May 2.
Wantz, Julius B., River Forest, and A. J. Kinaur, Cicero, assignors to General Electric X-Ray Corporation, Chicago, Ill. Making a radiographic diaphragm. 2,115,755; May 3.
Warmbo, Herbert R., New York, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Magnetic unit. 2,115,795; May 3.
Watinsky, David, Mount Vernon, N. Y. Bathing suit. 2,115,823; May 2.
Watkins, George E., Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. File cabinet. 2,116,370; May 3.
Watson, Edward F., Larchmont, assignor to American Telephone and Telegraph Company, New York, N. Y. Apparatus and method for the electrical transmission of pictures. 2,115,894; May 3.
Waugh Equipment Company. (See Clark, Leverett M., assignor.)
Weichwald, John, Chicago, Ill. Propeller. 2,116,054; May 3.
Weichwald, John, Chicago, Ill. Propeller. 2,116,055; May 3.
Weihmann, Karl, assignor to Chrysler Corporation, Detroit, Mich. Power transmitting device. 2,115,895; May 3.
Weis, Albert H., Nyack, assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Method and apparatus for bellows pockets. 2,116,371; May 3.
Weiss, Hugo, Augsburg, Germany. Bleaching cotton and analogous textile fibers. 2,116,332; May 3.
Weitkowitz, Franz, Osterode, Germany. Device adapted to loudspeakers, telephones, or relays. 2,116,293; May 3.
Weld, Foster E., assignor to The Gamewell Company, Upper Falls, Newton, Mass. Signal transmitter. 2,116,372; May 3.
Welker, Oscar B., Middletown, Conn., assignor to A. R. Teare, Cleveland, Ohio, trustee. Resilient bushing. 2,116,254; May 3.
Western Electric Company. (See Powell, Raymond E., assignor.)
Western Union Telegraph Company, The. (See Hyneman, J. R., and Goee, assignors.)
Westinghouse Electric and Manufacturing Company. (See Driggs, F. H., and Highriter, assignors.)
Westinghouse Electric and Manufacturing Company. (See Gustin, Daniel S., assignor.)
Westinghouse Electric and Manufacturing Company. (See Holmes, Richard E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Kalischer, Milton, assignor.)
Westinghouse Electric and Manufacturing Company. (See Makenny, William, assignor.)
Westinghouse Electric and Manufacturing Company. (See Richardson, H. K., and Newcombe, assignors.)
Weston Electrical Instrument Corporation. (See Lamb, Francis X., assignor.)
Wetherill, Lynn, Pittsfield, Mass., assignor to General Electric Company. High voltage bushing. 2,116,419; May 3.
Wheeling Steel Corporation. (See Erb, John W., assignor.)
Wheelock, John H., Fitzwilliam, N. H., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Signal code sending system. 2,116,258; May 3.
Whitehead, Richard H., assignor to The New Haven Clock Company, New Haven, Conn. Self-starting motor for electric clocks and the like and making the same. 2,116,256; May 3.
Whiting, Max A., Schnectady, N. Y., assignor to General Electric Company. Control system. 2,116,420; May 3.
Whitman, Ray B., Essex Falls, N. J., and E. H. Haan, Chicago, Ill. Combined radio-phonograph time control method and means. 2,115,756; May 3.
Whitmarsh, James H., Dallas, Tex. Ventilating building block. 2,116,457; May 3.
Wick, Ronald F. (See Norton, E. L., and Wick.)
Widmer, Gustave. (See Gams, A., Widmer, and Frey.)
Widmer, Jules A., assignor to Taylor Instrument Companies, Rochester, N. Y. Recording galvanometer. 2,115,831; May 3.
Wiedemann, Max, Rutherford, assignor of one-half to C. P. Hebenstreit, Clifton, N. J. Automatic cloth feed control. 2,116,494; May 3.
Wiesevich, Peter J., now by judicial change of name to P. J. Gaylor, Elizabeth, N. J., assignor to Standard Oil Development Company. Rubber substitutes. 2,115,896; May 3.
Wig, Rudolph J., San Marino, assignor to California Process Company, Los Angeles, Calif. Treating grease wool. 2,116,294; May 3.
Wildt and Company. (See Leedham, L. H., and Holmes, assignors.)
Wilkinson, Robert, Cheadle Hulme, England. Gramophone and the like sound reproduction device. 2,116,056; May 3.
Willcox & Gibbs Sewing Machine Co. (See Weis, Albert H., assignor.)
Williams, Clyde E., and C. H. Lorig, assignors to The Battelle Memorial Institute, Columbus, Ohio. Mold. 2,116,483; May 3.
Williams, Horace V., Philadelphia, Pa. Jar closure. 2,116,421; May 3.
Williams, Ira, Woodstown, W. A. Douglass, Penns Grove, N. J., and A. M. Neal, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preservation of rubber. 2,116,333; May 3.
Williams, Joseph S., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Potential producing cell. 2,116,091; May 3.
Williams, Selden T., Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tire valve. 2,116,090; May 3.
Williamson, Alexander C., London, England, assignor to Remington Rand Inc., Buffalo, N. Y. Filing tray. 2,116,373; May 3.
Wilmot, Archibald J. (See Stock, H. A., and Wilmot.)
Winlöf, Karl B., Stockholm, Sweden. Producing from waste sulphite lye a thickly liquid water solution of an adhesive substance. 2,116,227; May 3.
Winning, Carl. (See Miller, F. L., and Winning, assignors.)





Winslow, Seth L., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Carton stenciling device. 2,115,757; May 3.
Winterling, William F., assignor to Phillips Packing Company, Inc., Cambridge, Md. Soldering apparatus. 2,116,458; May 3.
Wittnebel, Arthur A., New Rochelle, assignor to American Bank Note Company, New York, N. Y. Making safety inks. 2,116,374; May 3.
Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Tight lock coupler. 2,116,459; May 3.
Woller, Edward E., D. C. Travis, and M. F. Bayer, Kenosha, Wis., assignors to Simmons Company, New York, N. Y. Glider. 2,116,334; May 3.
Woodard, William E., Forest Hills, N. Y. Railway vehicle. 2,116,295; May 3.
Wooddell, Charles E., C. S. Nelson, Niagara Falls, and R. Lincoln, Buffalo, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Abrasive article. 2,115,897; May 3.
Woodruff, Robert J., Duluth, Minn. Type casting machine. 2,116,460; May 3.
Worden, Norbert P., assignor to C. M. Hall Lamp Company, Detroit, Mich. Lamp mounting. 2,115,982; May 3.
Wright, Frank M. (See Smith, S. B., and Wright.)
Wyler, Max, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Diazo salt preparations. 2,116,131; May 3.
Yoder, Carl M., Lakewood, Ohio. Coiling mechanism for sheet material. 2,116,057; May 3.
Young, Daniel J., assignor to Young-Whitwell Gas Process Company, Tacoma, Wash. Sulphate pulp process. 2,115,835; May 3.
Youngstown Sheet & Tube Company, The. (See Mirfield, George E., assignor.)
Young-Whitwell Gas Process Company. (See Young, Daniel J., assignor.)
Young, William M., assignor to Taylor Instrument Companies, Rochester, N. Y. Motor control system. 2,115,834; May 3.
Zachariassen, Arne, and M. E. Petersen, Copenhagen, Denmark. Apparatus for measuring or delivering liquids or gases. 2,116,296; May 3.
Zagora, Joseph, Charlotte, N. C. Support. 2,115,898; May 3.
Zeiss, Carl. (See Papello, Karl, assignor.)
Zupa, Frank A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic switching device. 2,115,836; May 3.

# LIST OF REISSUE INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 3D DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Coin controlled machine. H. H. Hoke, Jr. Re. 20,713; May 3.
Container, Laminated. S. Smith. Re. 20,716; May 3.
Drum, Liquid cooled friction. E. Roberts. Re. 20,715; May 3.
Emulsions, Resolving. T. B. Wayne. Re. 20,717; May 3.
Enameling machine. E. H. Harris. Re. 20,712; May 3.
Fan, Electric. J. G. Macdonald. Re. 20,714; May 3.
Tire tread splitting apparatus. G. F. Connelly. Re. 20,711; May 3.

# LIST OF DESIGN INVENTIONS

Accordion or similar article. F. Robbins. 109,500; May 3.
Air cleaner. A. Marshall. 109,495; May 3.
Antenna, Automobile-hood. M. S. Frankl. 109,527; May 3.
Antenna, Automobile radio. G. O. Benson. 109,541; May 3.
Aquarium and flower stand, Combined. R. Furrey. 109,478; May 3.
Bag or the like, Collapsible. F. Dabroski. 109,549–50; May 3.
Bag, Traveling. C. Doppelt. 109,553; May 3.
Blouse. J. Solomon. 109,570; May 3.
Bottle. E. W. Fuerst. 109,512; May 3.
Bottle. J. Fulcher. 109,513; May 3.
Bottle. H. R. Mott. 109,520; May 3.
Bottle, Glass milk. J. H. Meier. 109,518; May 3.
Box. D. L. Gibb. 109,514; May 3.
Bracelet chain. J. Sand. 109,523; May 3.
Brake lever or similar article. D. B. Dickerson. 109,551–2; May 3.
Cabinet for radios or the like. N. A. Miller. 109,519; May 3.
Cabinet, Phonograph. P. M. Fuller. 109,555; May 3.
Cabinet, Radio bar. O. M. Snead. 109,537; May 3.
Case, Combined display and sales. J. F. Urbanek. 109,507; May 3.
Case, Safety razor. L. W. Harlem. 109,480; May 3.
Casing, Clock. P. G. Darrot. 109,476; May 3.
Casing, Fan. H. Thomas and C. F. Lockwood. 109,539; May 3.
Chair. W. G. Carlson. 109,471; May 3.
Chair. D. Powell. 109,532; May 3.
Chair or similar article, Upholstered. A. Bach. 109,468; May 3.
Coaster and ashtray, Combination. S. F. Bowen. 109,510; May 3.
Coat. I. Cohen. 109,543–5; May 3.
Coat. S. Lo Prete. 109,561–4; May 3.
Collar. J. A. Silverman. 109,569; May 3.
Costumer. I. Salomon. 109,501; May 3.
Curtain or similar article. H. H. Newberger. 109,567; May 3.
Drawer pull or similar article. G. W. Aldeen. 109,464–6; May 3.
Dress. T. Coleman. 109,547; May 3.
Dress. T. Coleman. 109,577–8; May 3.
Dress. T. Coleman. 109,580; May 3.
Dress. T. Coleman. 109,586; May 3.
Dress. R. Feintuck. 109,587; May 3.
Dress. P. Fracchia. 109,588–91; May 3.
Dress. D. Goldenberg. 109,556; May 3.
Dress. L. Harris. 109,581; May 3.
Dress. S. Kronenfeld. 109,488; May 3.
Dress. D. Luntz. 109,593; May 3.
Dress. A. Rebhuhn. 109,594–5; May 3.
Dress. I. Sheer. 109,596–7; May 3.
Dress. V. Tomshinsky. 109,582; May 3.
Dress. I. A. Winter. 109,575; May 3.
Dress. H. Zinn. 109,585; May 3.
Dress. J. Zinn. 109,584; May 3.
Dress. L. Zuckerman. 109,576; May 3.
Dress and scarf ensemble. S. Chapman. 109,598; May 3.
Dress ensemble. T. Coleman. 109,473; May 3.
Dress ensemble. T. Coleman. 109,546; May 3.
Dress ensemble. T. Coleman. 109,579; May 3.
Dress ensemble. M. Wagner. 109,573; May 3.
Fabric, Embroidered. M. Leff. 109,559–60; May 3.
Fabric, Textile. I. Strauss. 109,582; May 3.
Ferrule for household utensil handles and the like. C. R. T. Hess. 109,557; May 3.
Game board. A. Adlers. 109,463; May 3.
Glass or similar article. M. Shapiro. 109,535; May 3.
Goblet or similar article. R. R. Kostellow. 109,486–7; May 3.
Goblet or similar article. R. R. Kostellow. 109,530; May 3.
Handbag. S. R. Goldsmith. 109,528; May 3.
Handbag and glove container therefor, Combined. A. E. Browner. 109,542; May 3.
Handbag, Vanity. I. M. Robbins. 109,534; May 3.
Hat. S. Berman. 109,469; May 3.
Hat. S. Finkelstein. 109,526; May 3.
Hat. S. Weisberger. 109,574; May 3.
Holder, Dental floss. J. H. Morcom. 109,497; May 3.
Housing for floor treating machine. A. P. Boller. 109,470; May 3.
Jack. E. M. Prauser. 109,498–9; May 3.
Jug or similar article. R. R. Kostellow. 109,484; May 3.
Lamp. A. L. Arenberg. 109,509; May 3.
Lamp and game device, Combination. A. W. Krueger. 109,517; May 3.
Leather or similar article. S. Galper. 109,592; May 3.
Mill, Coffee. D. A. Meeker and F. D. Houser. 109,565; May 3.
Monument. F. Scott. 109,568; May 3.
Oiler, Pocket. V. R. Hall. 109,515; May 3.
Ornament, Christmas tree. P. Kranz and A. P. Schmid. 109,516; May 3.
Pan, Bake. J. G. Jackson. 109,481–2; May 3.
Pitcher or similar article, Water. R. R. Kostellow. 109,485; May 3.
Plate or analogous article. K. Kato. 109,529; May 3.
Plate or similar article. C. W. Leigh. 109,490–4; May 3.
Plate or similar article. V. Skellern. 109,506; May 3.
Plate or similar article. V. Skellern. 109,536; May 3.
Propeller, Fan. E. S. Preston. 109,533; May 3.
Pump, Shallow well. R. J. Kirkby, R. G. Gracey, R. E. Schumm, and G. E. Hansen. 109,558; May 3.
Receptacle, Wall corner. F. G. Perkins. 109,522; May 3.
Ring. F. L. Thorpe. 109,571; May 3.
Ring, Finger. B. E. Cunow. 109,548; May 3.
Saucer. G. Wood. 109,508; May 3.
Screen for an automobile radiator. B. Wengard. 109,525; May 3.
Shaker, Condiment. M. S. Desser. 109,477; May 3.
Signal, Highway traffic. G. E. Archer. 109,540; May 3.
Soap or the like, Cake of. F. McIntosh. 109,496; May 3.
Spectacle front. G. E. Nerney. 109,566; May 3.
Stand, Display. H. Armstrong. 109,467; May 3.
Stand, Display. H. E. Lacy. 109,489; May 3.
Stand, Display. C. W. Lea. 109,531; May 3.
Switch or similar article, Pressure operated electric. P. van Vleck. 109,572; May 3.
Table, Millinery. I. Salomon. 109,502; May 3.
Table or like article. E. A. Schaffer. 109,503–5; May 3.
Tooth brush. H. Clarren. 109,472; May 3.
Toy, Musical. W. Cross. 109,475; May 3.
Truck, Refrigerator. B. S. Snowden. 109,524; May 3.
Typewriter, Portable. R. L. Chipman, Jr., and J. L. Sweeney. 109,511; May 3.
Vase or similar article. R. R. Kostellow. 109,483; May 3.
Vehicle, Delivery. J. Nicol. 109,521; May 3.
Vehicle, Railway passenger. C. B. Stevens. 109,538; May 3.
Ventilator. J. M. Goldberg. 109,479; May 3.
Wastebasket. M. H. Connor. 109,474; May 3.
Wrench, Combination. C. L. Erving. 109,554; May 3.



# LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 3D DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. W. F. Keefer. 2,116,152–3; May 3.
Abrading apparatus. W. A. Rosenberger and W. L. Keefer. 2,116,160; May 3.
Abrasive article. C. E. Wooddell, C. S. Nelson, and R. Lincoln. 2,115,897; May 3.
Abrasive wheel. A. W. Mall. 2,116,272; May 3.
Acid and caustic alkali, Apparatus for the electrolytic production of chromic. J. W. Boss. 2,116,138; May 3.
Acid esters, Alpha-salicylo-aliphatic. E. F. Grether and R. B. Du Vall. 2,116,347; May 3.
Acid esters of methylene glycol, Polycarboxylic. H. Dreyfus. 2,115,709; May 3.
Acid, polybasic aliphatic acid resin, Producing oil-soluble phthalic. I. Rosenblum. 2,116,125; May 3.
Acids from $SO_2$ extract of light mineral oil distillates Sulphonic. O. H. Dawson. 2,115,843; May 3.
Acids, Preparation of hexoic. W. J. Toussaint. 2,115,892; May 3.
Acoustic apparatus. C. C. Fisher. 2,115,924; May 3.
Acoustic device, Making an. R. J. Emmert. 2,116,106; May 3.
Adhesive composition and a covering structure having an adhesive coating. W. B. Coleman. 2,116,341; May 3.
Advertising device. S. J. Philipson. 2,116,411; May 3.
Advertising structure, Full vision outdoor. W. Stevens. 2,116,128; May 3.
Aerator. S. J. Gwidt. 2,116,023; May 3.
Aerial system, Directional wireless. A. D. Blumlein. 2,115,761; May 3.
Air conditioning apparatus. R. E. Holmes. 2,115,720; May 3.
Air conditioning apparatus. M. Kalischer. 2,115,715; May 3.
Air conditioning system, Automobile. R. F. Peo 2,115,785; May 3.
Air conditioning system utilizing refrigeration. S. M. Anderson and F. J. Hamilton. 2,116,093; May 3.
Air control device. R. B. Funk. 2,115,909–10; May 3.
Aircraft control. H. Baer and M. J. Finnegan. 2,115,701; May 3.
Aircraft, Testing apparatus for. R. W. Case. 2,115,841; May 3.
Air heating and conditioning device, Automobile. H. J. Findley. 2,116,145; May 3.
Air, Method and apparatus for conditioning. R. T. Smith. 2,116,480; May 3.
Alloy: *See*—
Aluminum alloy. Magnetic alloy.
Hard substance alloy.
Alloy and manufactures. V. N. Krivobok. 2,115,732–3; May 3.
Alloys for electrical contacts and electrodes. H. H. Schwarzkopf. 2,116,252; May 3.
Aluminium alloy. Y. Matuenaga. 2,116,273–5; May 3.
Amalgamator and concentrator. M. W. Kroll. 2,115,726; May 3.
Ammonium nitrate, Producing. S. L. Handforth and K. C. Simon. 2,115,851; May 3.
Amplifier, Push-pull. R. Hofer. 2,115,854; May 3.
Amusement apparatus. L. De Marco. 2,116,014; May 3.
Angular position of unbalance in rotatable bodies, Apparatus to automatically determine the. J. Sivertsen. 2,116,221; May 3.
Animal feeder. J. A. Nasman. 2,116,361; May 3.
Antenna. W. Runge. 2,115,787; May 3.
Antenna system, Directional. K. Schmid. 2,115,789; May 3.
Apparatus for automatically delivering predetermined quantities of pulverulent or granular substance or material. S. Eaton. 2,116,105; May 3.
Apparatus for effecting the escape of persons from sunken vessels. J. H. Hermanson. 2,116,200; May 3.
Arc-back suppressor for electric discharge devices. R. C. Griffith. 2,116,393; May 3.
Arch support and blank therefor. S. Quisling. 2,116,124; May 3.
Article inspection machine. W. Makenny. 2,116,398; May 3.
Articles, Coating ferrous. M. M. Rubin. 2,115,749; May 3.
Articles, Making fibrous. J. B. Hawley. 2,116,198; May 3.
Arylides of the higher fatty acids, Sulphonated alkoxy substituted. A. W. Baldwin. 2,115,758; May 3.
Assembly for discharge devices. H. Gooskens. 2,116,429; May 3.
Attachment for drinking vessels. W. W. Smithson. 2,116,418; May 3.
Attachment for machine tools. B. Granberg and J. B. Sinderson. 2,116,262; May 3.
Automobile structure. F. C. Matthael. 2,115,931; May 3.
Axle bearing, Lubricated. W. Peyinghaus. 2,115,746; May 3.
Axle unit and suspension therefor, Tandem. S. F. Baker. 2,116,484; May 3.
Axle unit, Dual. S. F. Baker. 2,116,486; May 3.
Bag: *See*—
Clothing bag. Water bag.
Bag frame. W. C. Hiering. 2,116,242; May 3.
Balance wheel. H. Aegler. 2,116,257; May 3.
Ball, Inflated. M. B. Reach. 2,116,479; May 3.
Ball mill. F. E. Marcy. 2,115,820; May 3.
Band for hats, Sweat. G. S. Radford. 2,116,082; May 3.
Band, Hat sweat. L. M. Page. 2,115,965; May 3.
Bank, Relay stepping. T. J. Judge. 2,116,173; May 3.
Basin and the like, Sanitary. A. Ehrhardt. 2,116,015; May 3.
Bathtub steam eliminator. A. E. Robinson. 2,116,281; May 3.
Bearing: *See*—
Axle bearing.
Bearing unit for freight cars, Roller. W. C. Hedgcock. 2,115,989; May 3.
Bell. C. M. Miller. 2,116,320; May 3.
Bellows pockets, Method and apparatus for. A. H. Wels. 2,116,371; May 3.
Beverage preparation. H. C. Gore and C. N. Frey. 2,116,308; May 3.
Binder, Loose leaf. G. G. Mevi. 2,116,078; May 3.
Bituminous compositions and making same. J. K. Hunt and J. H. Shipp. 2,115,775; May 3.
Blade in axial direction, Automatically moving a rotating. B. Goldman. 2,115,809; May 3.
Blind, Venetian. R. Laborda and J. Carreras. 2,116,356–7; May 3.
Block: *See*—
Ventilating building block.
Board: *See*—
Display board.
Boat or other vehicle. C. R. Livermon. 2,115,864; May 3.
Bodies from hard substances, Making shaped. P. Marth. 2,116,399; May 3.
Bodies, Joining together metal. H. Bühler. 2,115,840; May 3.
Boiler. H. H. Peek, Sr. 2,116,211; May 3.
Bookbinding. E. C. Hazel and E. Hazel, Jr. 2,115,951; May 3.
Book, Brief case. H. E. Kranhold. 2,115,993; May 3.
Borax, Producing granular. H. D. Hellmers. 2,115,771; May 3.
Bore hole surveying apparatus and method. G. Malmgren. 2,116,120; May 3.
Boring tool. M. Holhut. 2,115,952; May 3.
Bottle holder. C. K. Hawley. 2,116,148; May 3.
Bottle, Nonrefillable. J. Nozar, Sr. 2,116,447; May 3.
Bottles, Making. R. J. Held. 2,116,199; May 3.
Box. P. F. Boeye. 2,116,336; May 3.
Box. E. C. Mulnix. 2,115,782; May 3.
Box end. E. I. Tripp. 2,116,331; May 3.
Boxes, Making wirebound. W. F. Newhouse. 2,115,869; May 3.
Bracket attachment for automobiles. J. W. McMillen. 2,116,443; May 3.
Brake: *See*—
Hydraulic brake.
Brake. L. D. Kay. 2,116,174; May 3.
Brake adjusting means. C. Sauzedde. 2,116,216; May 3.
Brake apparatus, Motor-car. H. Schmuts. 2,116,046; May 3.
Brake drum. C. W. Sinclair. 2,115,980; May 3.
Brake mechanism. F. L. Main and C. A. Sawtelle. 2,115,961; May 3.
Brake operating mechanism. A. H. Carson and R. O. Anderson. 2,116,013; May 3.
Brake rigging, Variable leverage. B. H. Browall. 2,116,010; May 3.
Brush. R. F. Christopher. 2,115,942; May 3.
Building construction. H. Gauvin. 2,116,021; May 3.
Building construction. H. Smith. 2,116,003; May 3.
Building construction and building elements therefor. H. Gauvin. 2,116,020; May 3.
Building structure. J. M. Le Grand. 2,116,270; May 3.
Bumper and holder, Combination door. L. Maier. 2,116,444; May 3.
Burner: *See*—
Oil burner.
Bushing, High voltage. L. Wetherill. 2,116,419; May 3.
Bushing, Resilient. O. B. Welker. 2,116,254; May 3.

Butter, Packing. A. Lowenfels. 2,115,977; May 3.
Butt-hinged structure. H. J. Koerner. 2,115,816; May 3.
Cabinet: *See*—
File cabinet.
Cabinet latch. W. Ellison. 2,115,947; May 3.
Calculating attachment for printing machines. C. H. Sampson. 2,116,286; May 3.
Calculating attachment for typewriters. C. H. Sampson. 2,116,285; May 3.
Calendar, Perpetual. J. R. Schoenbaum. 2,116,288; May 3.
Candies, Apparatus for producing peanut coated. J. S. Truesdell. 2,115,969; May 3.
Cap: *See*—
Twister cap.
Cap for containers, Dispensing. E. A. Boline. 2,115,985; May 3.
Capping apparatus. H. E. Gantzer. 2,116,068; May 3.
Carbides and other impurities from slags, Removing. E. Karwat. 2,116,469; May 3.
Carburetor control device. H. Rodman. 2,115,878; May 3.
Carpet rag strip slicer. B. A. Hulshizer. 2,115,856; May 3.
Carton, Dispensing. R. T. Hill. 2,115,853; May 3.
Carton, Dispensing. P. B. McConnell. 2,115,867; May 3.
Carton, Dispensing. F. Spilski. 2,115,887; May 3.
Carton, Dispensing. L. A. Tishler. 2,115,891; May 3.
Carton stenciling device. S. L. Winslow. 2,115,757; May 3.
Cartons, Method and apparatus for making. E. F. Ness. 2,116,362; May 3.
Case: *See*—
Thermometer case.
Case and lighter, Combined. F. E. Wakefield. 2,116,292; May 3.
Casing, Perforating oil well. E. W. Patterson. 2,116,465; May 3.
Casing, Setting well. F. F. Dickey and H. S. Cole, Jr. 2,116,236; May 3.
Cathode and preparation, Electron emitting. C. H. Prescott, Jr. 2,115,828; May 3.
Cathode ray tube. H. E. Holman. 2,115,855; May 3.
Cellulose preparatory to acylation, Pretreatment of. C. J. Malm. 2,115,735; May 3.
Cellulosic structure and preparing same. D. E. Drew. 2,116,193; May 3.
Cellulose structures and preparing same, Regenerated. R. E. McKee. 2,116,210; May 3.
Cementing equipment, Floating. C. M. O'Leary and O. F. King. 2,116,408; May 3.
Chain links, Forming twisted. J. H. Hilliard. 2,116,116; May 3.
Chair structure. J. D. Rogers. 2,116,679; May 3.
Chimney structure. H. E. Leash. 2,116,118; May 3.
Chuck. R. W. Johnson. 2,116,243; May 3.
Chuck, Capping. H. E. Gantzer. 2,116,067; May 3.
Chute, Coin. C. B. Gerton. 2,116,309; May 3.
Chute, Quill. A. M. Pressley. 2,116,069; May 3.
Cigar making machine. C. F. Röber. 2,115,829; May 3.
Circuit: *See*—
Control circuit. Relay circuit.
Noise limiter circuit.
Circuit arrangement for coupling electron tubes. K. Steimel. 2,115,869; May 3.
Circuit breaker control system. H. Bany and W. N. Gittings. 2,116,379; May 3.
Circuit closer, Liquid contact. G. Carlson. 2,116,383; May 3.
Circuits, Automatic receiver gain control. H. Pitsch. 2,115,871; May 3.
Circuits, Harmonic reduction. O. E. Keall. 2,115,858; May 3.
Clamp: *See*—
Roller skate clamp.
Clasp or connecter for bracelets. S. A. Johnson. 2,115,954; May 3.
Cleaner: *See*—
Vacuum cleaner.
Cleaning device. A. P. Grasser. 2,116,392; May 3.
Cleaning process, Dry. A. A. Levine. 2,116,437; May 3.
Clinker disposal device. C. S. Franke. 2,116,017; May 3.
Clip: *See*—
Rack clip.
Clock, Alarm. A. J. Macdonald. 2,116,247; May 3.
Closure for bottles and other containers, Nonrefillable. G. Jackson and J. F. Maher. 2,115,721; May 3.
Closure, Jar. H. V. Williams. 2,116,421; May 3.
Closure, Vehicle luggage and spare tire. G. A. Lyon. 2,115,779; May 3.
Cloth feed control, Automatic. M. Wiedemann. 2,116,494; May 3.
Clothespin or the like, Metallic. B. J. Harvey. 2,116,238; May 3.
Clothing bag. W. Gersten. 2,116,197; May 3.
Clutch: *See*—
Hydraulic clutch.
Clutch. P. Burke. 2,115,763; May 3.
Coating for gaskets and the like. R. O. Peterson. 2,116,000; May 3.
Coating for smoking pipes and the like. A. Buschman. 2,116,186; May 3.
Coffee container, Airtight. L. H. Campos. 2,116,300; May 3.
Coiling mechanism for sheet material. C. M. Yoder. 2,116,057; May 3.
Coin slot for coin-controlled machines. V. Longarzo. 2,116,316; May 3.
Communicating system. J. R. MacKay. 2,115,914; May 3.
Compass for automatic pilots. G. De Beeson. 2,116,103; May 3.
Composite fabric. M. J. Schifrin. 2,115,967; May 3.
Composite set. J. R. Hyneman and R. R. Gose. 2,116,172; May 3.
Composition of matter and making the same. W. J. Koenig. 2,116,072–3; May 3.
Composition of matter containing cellulose derivatives. H. Dreyfus. 2,115,708; May 3.
Compositions and articles containing plasticizable substances and new plasticizers, Manufacture of. H. Dreyfus. 2,115,710; May 3.
Compounds and processes for cleaning molds. C. N. McGaughey. 2,116,034; May 3.
Compounds and the isomerization and conversion of alkylcompounds, Alkylation of. K. Schöllkopf. 2,115,884; May 3.
Concentrates from vegetables, fruits, or berries, and their manufacture. D. L. Johnson. 2,115,815; May 3.
Concrete building construction. S. Gurber. 2,115,949; May 3.
Concrete mixtures to pumps, etc., Apparatus for feeding. C. F. Ball. 2,116,473; May 3.
Condenser: *See*—
Electric condenser.
Conductor, Electrical. T. S. Johnson. 2,115,777; May 3.
Conductor, High frequency. F. Klimmer. 2,116,266; May 3.
Conductor with air space insulation. F. Klimmer. 2,116,267; May 3.
Confections on wafers, Mechanism for depositing. J. Brandt. 2,115,799; May 3.
Connecter: *See*—
Flexible connecter. Mop connecter.
Connecter for drain tiles. J. C. Ullman. 2,116,165; May 3.
Connection, Hinged. F. H. Lamb. 2,115,994; May 3.
Container: *See*—
Coffee container. Powder or rouge blending and holding container.
Open-face container.
Container. C. W. Dann, Jr. 2,115,802; May 3.
Container. J. E. Page. 2,115,745; May 3.
Container. M. C. Regan. 2,116,041; May 3.
Container, container stock, and making the same. J. W. Erb. 2,116,107; May 3.
Container for liquid servicing products. V. A. Mauguy and R. J. Lévy. 2,116,077; May 3.
Containers, Apparatus for handling freight. A. Howie and C. H. Bradley. 2,116,150; May 3.
Control circuit. W. Krämer. 2,116,435; May 3.
Control system. H. Bany. 2,116,378; May 3.
Control system. M. A. Whiting. 2,116,420; May 3.
Control system for air compressors. A. C. Staley. 2,115,888; May 3.
Controlling and sounding apparatus. J. E. Jenkins and S. E. Adair. 2,116,314; May 3.
Conveyer. W. J. Bohn. 2,115,762; May 3.
Conveying mechanism. R. H. Gordon. 2,116,430; May 3.
Copper, Casting. K. A. Lindner and F. F. Poland. 2,116,207; May 3.
Core boxes, Apparatus for making. K. R. Moser. 2,116,248; May 3.
Core extractor, Fruit. F. G. Urban. 2,115,832; May 3.
Core for use in the molding of hollow articles. C. B. Mathews. 2,116,464; May 3.
Cotton and analogous textile fibers, Bleaching. H. Weiss. 2,116,332; May 3.
Coupler for electrical systems, Variable. H. W. Parker. 2,116,080; May 3.
Coupler, Tight lock. H. H. Wolfe. 2,116,459; May 3.
Coupling: *See*—
Elastic coupling. Hose coupling.
Flexible coupling.
Coupling and brake, Combined trailer. N. W. Turpin. 2,116,052; May 3.
Coupling device. S. B. Smith and F. M. Wright. 2,115,791; May 3.
Couplings, Manufacture of hydraulic. G. Bauer. 2,116,181; May 3.
Cover: *See*—
Smelting furnace cover.
Cover fastener, Automobile wheel. J. Haltenberger. 2,115,768; May 3.
Cover for bottle beverage cases, Light-excluding. S. S. Gullo and P. W. Browne. 2,116,431; May 3.
Covering, Head. R. Lipton. 2,116,076; May 3.
Crank and counterweight, Combined. K. R. Jensen. 2,115,814; May 3.
Creasing mechanism for blank-making machines. C. D. Knowlton. 2,115,724; May 3.
Crystallization and crystallized products. C. L. Baker. 2,116,423; May 3.
Cultivator bracing and fender attachment. C. D. Shanks. 2,116,161; May 3.
Curler, Hair. J. Goodman. 2,116,111–2; May 3.
Curtain. E. C. Carter. 2,116,339; May 3.
Curtain fixture. J. H. Boye. 2,115,798; May 3.
Curved abrasive fabric. R. C. Bryant. 2,115,904; May 3.





Cushioning mechanism. L. M. Clark. 2,116,189; May 3.
Cutter: *See*—
Snowbank cutter.
Damper, Vibration. S. Rosenzweig. 2,116,042; May 3.
Detector, Regenerative. W. V. Roberts. 2,115,875; May 3.
Device adapted to loudspeakers, telephones, or relays. F. Weitkowitz. 2,116,293; May 3.
Device for controlling temperatures in fluid heating apparatus. K. Baumann. 2,116,424; May 3.
Device for straining and filtering. C. S. Rucker. 2,116,044; May 3.
Diaphragm, Making a radiographic. J. B. Wantz and A. J. Kizaur. 2,115,755; May 3.
Die for cutting sheet material. C. E. Reed. 2,116,364; May 3.
Dishwashing machine. J. E. C. Currens. 2,116,101; May 3.
Dispenser for tea bags. F. Cooper. 2,115,923; May 3.
Display board. O. R. Hartsell. 2,115,718; May 3.
Display device. R. M. Bartmess. 2,115,937; May 3.
Display device and producing same. N. D. Nelson. 2,116,471; May 3.
Distillation, Fractional. H. R. Swanson and J. S. Wallis. 2,115,793; May 3.
Doll eye construction. A. A. Gerling. 2,116,346; May 3.
Door and body construction. J. Tjaarda. 2,116,330; May 3.
Door check. G. L. Sherwood. 2,115,968; May 3.
Door closer and check. B. S. Bernhard. 2,116,185; May 3.
Door for railway cars, Grain. H. Corkran. 2,116,260; May 3.
Door retainer. R. E. Blue. 2,115,900; May 3.
Doors of automobiles, Apparatus to open or shut the. J. Nishimura. 2,116,446; May 3.
Dovetail. W. C. Devereaux. 2,116,305; May 3.
Drainboard. J. L. Perkins. 2,116,363; May 3.
Drill: *See*—
Rock drill.
Drive for multicolor presses. C. W. Harrold. 2,115,975; May 3.
Dropper and atomizer, Combined. E. G. Lewis. 2,115,959; May 3.
Drum, Orchestra or street. S. H. Newberry. 2,115,741; May 3.
Duck call. E. E. Beach and A. O. Arnold. 2,116,183; May 3.
Dyes, Azo. C. W. Hannum and S. S. Rossander. 2,115,852; May 3.
Dyestuffs and their production, Disazo. G. Kopp. 2,116,355; May 3.
Dyestuffs, Polyazo. H. Krzikalla and B. Eistert. 2,116,206; May 3.
Edge-notching mechanism for blank-making machines. C. D. Knowlton. 2,115,723; May 3.
Edging, Shelf. E. Karfiol. 2,116,315; May 3.
Educational device. J. Y. and C. C. Taylor. 2,116,163–4; May 3.
Eggs, Filtering. F. B. Lomax. 2,115,728–9; May 3.
Eggs, Treating. W. L. Lomax. 2,115,730; May 3.
Elastic coupling. P. Draminsky. 2,116,192; May 3.
Electric condenser. M. Osnos. 2,115,916; May 3.
Electric device. E. C. Smally. 2,116,162; May 3.
Electric lamp. C. J. Briefer. 2,115,839; May 3.
Electric signal circuit, Automatic. R. M. Hopkins and H. M. Laford. 2,116,462; May 3.
Electric system and control apparatus therefor. R. E. Powell. 2,115,827; May 3.
Electrical contacts, Forming. S. Kobsy. 2,116,269; May 3.
Electrical equipment. J. B. Miles, Jr. 2,116,318; May 3.
Electrical indicator or measuring instrument. H. E. Gauss. 2,116,110; May 3.
Electrical induction apparatus. V. M. Montsinger. 2,116,404; May 3.
Electrical measuring instrument. F. X. Lamb. 2,116,154; May 3.
Electrical switch. S. Ruben. 2,116,215; May 3.
Electrically operated tool. J. H. Rowe. 2,116,043; May 3.
Electrode arcs, Deflection of. G. E. Seil. 2,116,218; May 3.
Electrolytic device. P. Robinson. 2,116,449; May 3.
Electromagnetic control apparatus. W. H. Reisner. 2,115,748; May 3.
Electromagnetic switch. W. Fondiller. 2,115,804; May 3.
Electron discharge device, High voltage. S. Hirsch. 2,115,927; May 3.
Ends of insulated electric wires, Method and apparatus for cleaning. R. M. Akin, Jr. 2,116,228; May 3.
Engine: *See*—
Pressure fluid engine.
Ephedrine composition. D. H. Grant. 2,115,848; May 3.
Erasing device. C. Frederick. 2,115,806; May 3.
Esters of glycols, Making. G. H. Coleman and G. V. Moore. 2,115,905; May 3.
Esters of polyglycols and their ethers and compositions containing the same. B. Anderson and A. F. Caprio. 2,115,700; May 3.
Ethers, Hydration of. C. W. Rehm. 2,115,874; May 3.
Explosives for the production of ribbon- or rod-shaped pieces, Apparatus for the treatment of plastic. H. Bille. 2,116,007; May 3.
Extractor: *See*—
Core extractor. Juice extractor.
Eyeglass construction. G. E. Nerney. 2,115,783; May 3.
Eyes, Producing gangs of miniature dead. W. Kramer. 2,115,957; May 3.
Fabric: *See*—
Composite fabric. Curved abrasive fabric.
Fabric, paper, leather, or the like. T. L. Shepherd. 2,116,289; May 3.
Fabrics, Making pile. P. S. Smith. 2,116,048; May 3.
Fastener: *See*—
Cover fastener.
Fastener. F. Schäfer. 2,116,365; May 3.
Feeder: *See*—
Animal feeder. Poultry feeder.
Fermenting agent, Producing. C. von Friedrich. 2,116,482; May 3.
Ferrous sections, Apparatus for selectively quenching. P. Hoffman, W. Bender, and E. Cook. 2,116,069; May 3.
Filaments, threads, foils, and the like, Production or treatment of artificial. C. Dreyfus and G. H. Ellis. 2,116,062; May 3.
File cabinet. G. E. Watkins. 2,116,370; May 3.
Filing device. O. Stoip. 2,116,369; May 3.
Filler for gas mask canisters. F. M. Eaton. 2,115,946; May 3.
Filler for gas mask canisters. C. S. Fleming. 2,115,973; May 3.
Film feeding mechanism. W. J. Morrissey. 2,115,738; May 3.
Firearm, Gas operated automatic. M. A. Browning. 2,116,141; May 3.
Fire extinguisher. J. P. Miller and F. Delavan. 2,116,319; May 3.
Firing mechanism for automatic firearms. M. A. Browning. 2,116,139–40; May 3.
Fishing rod handle. W. G. Pontis. 2,116,158; May 3.
Fitting, Adjustable railing. A. E. Hohmeister. 2,115,953; May 3.
Flexible connecter. H. H. Haire. 2,115,713; May 3.
Flexible coupling. N. W. Foster. 2,116,195; May 3.
Float switch, Packless. F. Shenton. 2,116,415; May 3.
Fluid conducting line. F. F. Chernosky. 2,116,302; May 3.
Fluid governing mechanism, Elastic. R. H. Collingham. 2,116,385; May 3.
Fluid heater, Stamped metal. A. P. Ball and W. Marshall. 2,116,298; May 3.
Fluids, Apparatus for and method of preparing, storing, and dispensing. C. W. Walter. 2,116,132; May 3.
Flushing apparatus. D. P. Barnard, Jr. 2,116,258; May 3.
Folder for articles of wearing apparel, Display. J. W. Sweeney. 2,116,481; May 3.
Folding seat. L. F. Scott. 2,116,366; May 3.
Folding table. G. A. Lenz. 2,115,727; May 3.
Food, Article of. H. Harvey. 2,116,310; May 3.
Food products, Curing. A. E. Stacey, Jr. 2,116,223; May 3.
Footwear, Article of. V. L. Moore. 2,116,445; May 3.
Fork for looms, Transfer. C. M. Rogers. 2,116,159; May 3.
Frame: *See*—
Bag frame. Quilting frame.
Gill drawing frame. Shade supporting frame.
Friction device. W. L. Van Meter. 2,116,130; May 3.
Fuel atomizers, Process and apparatus for the cooling of. J. J. Broeze and G. van Willigen. 2,116,337; May 3.
Fuels, Manufacture of motor. V. Ipatieff and B. B. Corson. 2,116,151; May 3.
Fuels, Manufacture of motor. J. C. Morrell. 2,116,157; May 3.
Fuels, Production of nonknocking motor. M. Pier and W. Kroenig. 2,116,081; May 3.
Furnace. A. C. Muir and W. C. Griffiths. 2,116,322; May 3.
Galvanometer, Recording. J. A. Widmer. 2,115,831; May 3.
Garbage receptacle. H. Hefty. 2,116,311; May 3.
Garment. L. M. Bloom. 2,115,703; May 3.
Garment. F. Chatfield. 2,116,340; May 3.
Garment. R. A. and H. H. Harris. 2,115,974; May 3.
Gas analysis cell of the thermal conductivity type. W. O. Hebler. 2,116,239; May 3.
Gas, Burning. H. C. Caldwell. 2,116,096; May 3.
Gas mask. A. V. Motsinger. 2,116,492; May 3.
Gaseous mixtures, Method of and apparatus for separation of moist. W. L. De Baufre. 2,116,191; May 3.
Gases in automobiles, Device for storing exhaust. T. L. Hollister. 2,116,434; May 3.
Gasoline, Treatment of stored cracked. J. C. Morrell. 2,115,781; May 3.
Gauge: *See*—
Multipurpose gauge. Wheel turning gauge.
Gauge glass indicator. C. L. Blackburn. 2,115,699; May 3.
Gear: *See*—
Hydraulic transmission Retractable landing gear.
gear.
Gear drive, Planetary. W. B. Osborne. 2,115,963–4; May 3.

Gearing. Automatic overdrive. F. W. Cotterman. 2,116,234; May 3.
Gearing. Camoid. K. Papello. 2,116,323; May 3.
Gearing, Speed varying. F. M. Tomlinson. 2,116,180; May 3.
Generator: *See*—
Heat and power generator.
Getter for radio tubes. G. L. King. 2,116,244; May 3.
Getter for vacuum devices. D. S. Gustin. 2,116,432; May 3.
Gill drawing frame. W. Holdsworth. 2,116,201; May 3.
Glass objects, Severing and reuniting. L. C. Stringer. 2,116,129; May 3.
Glassware, Manufacture of molded. P. V. W. Gell. 2,115,765; May 3.
Glider. E. E. Wolter, D. C. Travis, and M. F. Bayer. 2,116,334; May 3.
Glyoxal-semi-acetals. H. Fischer. 2,116,016; May 3.
Governor, Air. C. Wainwright. 2,116,456; May 3.
Governor, Engine speed. T. V. Hemmingsen. 2,116,025; May 3.
Governor, Hydraulic turbine. D. Thoma. 2,115,890; May 3.
Gramophone and the like sound reproduction device. R. Wilkinson. 2,116,056; May 3.
Grate, Furnace. F. Helmick. 2,116,024; May 3.
Graves, Device for terracing. E. C. McIntosh. 2,115,868; May 3.
Grease and making the same. J. McKee. 2,116,209; May 3.
Grease retainer with clamped packing. W. A. Heinze. 2,116,240; May 3.
Grinder, Lawn mower. K. H. Selin. 2,116,414; May 3.
Grounding device. C. G. Bondeson. 2,116,474; May 3.
Guardrail for athletic fields. L. F. Cecil. 2,116,426; May 3.
Guide and deflector for glass charges. J. W. Ross. 2,116,284; May 3.
Gun filler, Grease. A. Lee. 2,116,029; May 3.
Gun, Machine. R. Laloux. 2,115,861; May 3.
Hacksaw. E. A. Biester. 2,116,137; May 3.
Hair cutting device. F. M. Waite. 2,116,088; May 3.
Hair waving device. C. F. Harris and W. A. Tripp. 2,116,349; May 3.
Handle: *See*—
Fishing rod handle.
Handle for inflated balls and the like. M. C. Hatton. 2,115,926; May 3.
Hanger and brushing rack, Clothes. R. L. Morgan. 2,116,156; May 3.
Hard substance alloy. P. Marth. 2,116,400; May 3.
Heat and power generator. B. J. Marquis. 2,115,821; May 5.
Heat exchange apparatus. E. J. Houdry and T. B. Prickett. 2,115,714; May 3.
Heat transfer system. M. E. Fiene. 2,116,380; May 3.
Heat treatment of ferrous sections. P. Hoffman, W. Bender, and E. Cook. 2,116,070; May 3.
Heater: *See*—
Fluid heater.
Heating system. F. A. Furlong. 2,115,988; May 3.
Holder: *See*—
Bottle holder. Razor blade holder.
Mop holder. Safety match holder.
Hop and stem separator. E. Thys. 2,116,006; May 3.
Hose coupling. C. E. Bannister. 2,116,299; May 3.
Hosiery inspecting device. M. Poeschmann. 2,116,478; May 3.
Hydraulic brake. B. McInnerney. 2,115,995; May 3.
Hydraulic clutch. F. E. Staats. 2,116,049; May 3.
Hydraulic control mechanism. G. V. Anderson. 2,116,376; May 3.
Hydraulic control valve. A. G. Gurries and J. A. Bussert. 2,115,950; May 3.
Hydraulic transmission gear. H. Föttinger. 2,116,461; May 3.
Ice cube releasing means. W. M. De Witt. 2,115,944; May 3.
Igniting device for liquid fuel burners. M. A. Powers. 2,115,873; May 3.
Illuminating device for swimmers. W. J. Orland. 2,115,744; May 3.
Impeller and lining construction. G. G. Morse. 2,115,997; May 3.
Indicator: *See*—
Gauge glass indicator.
Indicator. H. S. Lenhart. 2,116,075; May 3.
Indicator device. O. R. Hartsell. 2,115,770; May 3.
Inductor, Adjustable tuning. N. M. Rust and R. F. O'Neill. 2,115,882; May 3.
Inertia switch. R. Erich. 2,115,948; May 3.
Ingots of cruciform cross-section, Coring, dividing, and condensing. I. Urbaniak. 2,115,893; May 3.
Ink drier and producing the same, Substantially insoluble. A. Minich. 2,116,321; May 3.
Inking mechanism for printing machines. F. Lamatsch. 2,115,734; May 3.
Inks, Making safety. A. A. Wittnebel. 2,116,374; May 3.
Inkstand. F. M. Ashley. 2,115,697; May 3.
Insect trapping and exterminating device. L. J. Allen. 2,116,092; May 3.
Insecticides. A. L. Smith and R. D. Curtis. 2,115,933; May 3.
Interlocking assembly. T. Niblett. 2,115,743; May 3.
Intermittent movement for display devices. A. F. Steiert. 2,116,127; May 3.
Ironing machine. J. A. Castricone. 2,115,941; May 3.
Jack: *See*—
Straight lift pumping Window jack.
jack.
Jewel setting device, Friction. E. Rens. 2,116,213; May 3.
Jig, Multiple purpose welding. W. J. Harbaugh. 2,116,263; May 3.
Jigsaw. W. F. Ocenasek. 2,116,123; May 3.
Joint: *See*—
Track rail joint.
Joint. G. H. Hufferd and M. P. Graham. 2,115,774; May 3.
Joint for electric cables, Insulating. H. Horn. 2,116,266; May 3.
Joist adjuster, Automatic floor. R. L. McRorey. 2,115,824; May 3.
Juice extractor, Orange. R. W. Rogers. 2,116,325; May 3.
Key retaining device for locks. A. O. Rufino. 2,116,045; May 3.
Knitting machine. L. H. Leedham and H. H. Holmes. 2,116,358; May 3.
Knitting machine and method of knitting. R. H. Lawson and A. N. Cloutier. 2,115,929; May 3.
Ladder, Portable aerial. A. J. and J. T. Kiley. 2,116,470; May 3.
Lamp: *See*—
Electric lamp. Vehicle lamp.
Lamp. S. Sher. 2,115,883; May 3.
Lamp housings, Making. B. S. Floraday. 2,116,345; May 3.
Lamp mounting. N. P. Worden. 2,115,982; May 3.
Lamp or similar device, Electric. P. O. Cartun. 2,116,384; May 3.
Lasting machine. J. C. Jorgensen. 2,115,722; May 3.
Latch: *See*—
Cabinet latch.
Latch for high chair tables. S. and N. J. Kroll. 2,115,860; May 3.
Lavatory, Sanitary. C. M. Allen. 2,116,133; May 3.
Lead and cadmium from zinc ores, Separating. R. W. Hyde. 2,116,203; May 3.
Leasing mechanism for warping machines. T. F. Suggs. 2,116,179; May 3.
Letter or order form, check, and return envelope, Combination. E. B. Berkowitz. 2,116,230; May 3.
Lid for pressure resisting vessels. C. S. Hall. 2,116,170; May 3.
Light assembly, Dome. W. Marshall and P. M. Camiener. 2,116,317; May 3.
Light assembly, Dome. A. W. Prance. 2,116,324; May 3.
Liquids and apparatus therefor, Emulsification of. S. G. Bauer. 2,116,380; May 3.
Liquids or gases, Apparatus for measuring or delivering. A. Zachariassen and M. E. Petersen. 2,116,296; May 3.
Lock. K. C. Bugg. 2,116,011; May 3.
Lock. A. J. Pacewick. 2,115,784; May 3.
Lock. W. R. Schlage. 2,116,001; May 3.
Lock and switch device. R. Macdonald. 2,116,246; May 3.
Locking mechanism for Venetian blinds. G. K. Bradfield, Jr. 2,115,796; May 3.
Lubricating composition. F. L. Miller and C. Winning. 2,115,823; May 3.
Lubricating device. C. H. Bock. 2,115,984; May 3.
Lubricating device. H. R. Tear. 2,116,004; May 3.
Lubricating device. H. R. Tear and O. B. Clark. 2,116,005; May 3.
Lubricator: *See*—
Rail lubricator.
Lumber, Interlocked gypsum. J. Sterns. 2,115,936; May 3.
Lye a thickly liquid water solution of an adhesive substance, Producing from waste sulphite. K. B. Winlöf. 2,116,227; May 3.
Machine for and method of decorating ware. W. M. Secoy. 2,116,466; May 3.
Machine for grinding screw threads. H. Lindner. 2,116,031; May 3.
Machine for injection of plastics. A. A. Burry. 2,115,940; May 3.
Machine for making tufted work on fabrics. J. Mann. 2,116,176; May 3.
Machine for molding pulp. R. D. Heymann. 2,115,772; May 3.
Machine for stenciling ware. W. M. Secoy. 2,116,467; May 3.
Machine for tempering springs. C. R. Simmons. 2,116,327; May 3.
Machine for use in the manufacture of shoes. E. J. Ray. 2,115,978; May 3.
Machine tool. W. F. Ocenasek. 2,116,122; May 3.
Magnetic alloy. Y. Matsuyama, S. Kuno, and S. Nasu. 2,116,401; May 3.
Magnetic unit. H. R. Warnke. 2,115,795; May 3.
Magneto. H. Bischoff. 2,116,354; May 3.
Magneto, Double. E. Klaiber. 2,116,353; May 3.
Mail sorter. F. L. Fuller. 2,115,805; May 3.
Marine electric motor. J. T. Gondek. 2,116,146; May 3.
Marker, Book. M. Haessler. 2,116,147; May 3.





Mass or metal article with other metal, Impregnating a metallic. F. Leverick. 2,116,271; May 3.
Material and processes and compositions, Coated organic. J. L. Elliot. 2,116,065; May 3.
Material, Apparatus for coiling. A. B. Montgomery. 2,116,121; May 3.
Material, Cold reducing ferrous. J. M. Smith. 2,116,126; May 3.
Material, Drying and incineration of combustible. G. E. Connolly. 2,116,068; May 3.
Material, Extracting hydrocarbon. D. Churchill, Jr. 2,116,188; May 3.
Material, Patching. D. J. Block. 2,116,008; May 3.
Material, Preparing a phosphorescent. H. Espig. 2,116,167; May 3.
Materials and to processes for producing the coating, Coated. J. L. Elliot. 2,116,066; May 3.
Materials, Apparatus for the explosive treatment of. W. J. Plews. 2,116,212; May 3.
Materials, Drying and burning of moist. G. E. Connolly. 2,116,069; May 3.
Materials, Production of textile. H. Dreyfus and R. W. Moncrieff. 2,116,064; May 3.
Materials, Treatment of artificial. H. Dreyfus. 2,116,063; May 3.
Mattress. S. Harris. 2,116,171; May 3.
Mercaptains, Production of. K. Baur. 2,116,182; May 3.
Metal compounds of nucleoproteins and of their organic hydrolytic decomposition products and making same. S. L. Ruskin. 2,115,751; May 3.
Metal, Handling and shipping sheet. E. I. Burke. 2,116,381; May 3.
Metals, Apparatus for treating. E. W. Smith. 2,116,367; May 3.
Metals, Preparation of alkaline earth. G. N. Kirsebom. 2,116,245; May 3.
Metals, Treatment of. G. E. Seil. 2,116,219; May 3.
Meter: *See*—
Multipiston meter.
Mill: *See*—
Ball mill.
Mineral substances and porous product thereof, Method of burning. E. I. Lindman. 2,116,030; May 3.
Mineral wool composition. H. T. Coss. 2,116,303; May 3.
Mixer: *See*—
Paint and liquid mixer.
Mixer and glass cooler, Cocktail. H. W. Talbot. 2,115,758; May 3.
Mixing. R. H. Newton. 2,115,742; May 3.
Mixtures for narcosis, Method and device for humidifying. E. Silten. 2,116,328; May 3.
Model positioning means for grading machines. L. L. Faunce. 2,116,108; May 3.
Moistureproofing. E. B. Beale. 2,116,164; May 3.
Mold. C. E. Williams and C. H. Lorig. 2,116,483; May 3.
Monocable aerial tramway system. L. J. Vogel. 2,116,226; May 3.
Mop connecter. E. C. Aubitz. 2,116,375; May 3.
Mop holder. E. E. Mason. 2,116,441; May 3.
Motor: *See*—
Marine electric motor.
Motor control system. W. M. Young. 2,115,834; May 3.
Motor for electric clocks and the like and making the same, Self-starting. R. H. Whitehead. 2,116,256; May 3.
Motor vehicle. J. Kolbe. 2,116,027; May 3.
Motor vehicle. F. W. Slack. 2,115,918; May 3.
Mount, Electrode. N. R. Smith. 2,115,934; May 3.
Mount for electron discharge devices. T. A. Sternberg. 2,116,224; May 3.
Mounting: *See*—
Lamp mounting.
Multipiston meter. F. Hejduk and J. Neumann. 2,116,265; May 3.
Multipurpose gauge. M. S. Johnson. 2,115,955; May 3.
Needle threader. W. Parsons. 2,115,999; May 3.
Nitriles with phosphorus pentasulphide, Reacting. A. W. Ralston. 2,116,472; May 3.
Noise limiter circuit, Receiver. W. V. Roberts. 2,115,876; May 3.
Noise suppressor arrangement, Receiver. T. B. Morehouse. 2,115,825; May 3.
Nut, Lock. B. F. Money. 2,116,036; May 3.
Objective suitable for photographic purposes. J. W. Hasselkus and G. A. Richmond. 2,116,264; May 3.
Oil burner, C. R. Hammond. 2,115,850; May 3.
Oil burner. L. O. Morin, Jr., and R. R. Shelton. 2,116,278; May 3.
Oil cracking and viscosity breaking process, Combined. H. V. Smith. 2,116,417; May 3.
Oil, Purification of. R. P. Dunmire. 2,116,344; May 3.
Oil, Treating lubricating. H. R. Dickinson. 2,116,144; May 3.
Oils, Conversion of hydrocarbon. K. Swartwood. 2,115,794; May 3.
Oils, Process and apparatus for treating mineral. M. R. Fenske. 2,116,428; May 3.
Oils, tars, their distillation products, and like, Purification of mineral. E. Dorrer. 2,116,061; May 3.
Oils, Testing of lubricating. W. B. McCluer. 2,116,442; May 3.
Oils, Treating mineral. H. F. Lindeke. 2,115,960; May 3.
Oils, Treatment of hydrocarbon. E. R. Brownscombe. 2,115,704; May 3.
Oils with sulphuric acid and for preparing improved wetting agents and detergents, Treating. S. C. Fulton and H. G. Vesterdal. 2,115,807; May 3.
Oils with sulphuric acid and for preparing improved wetting agents and detergents, Treating. E. J. Gohr. 2,115,647; May 3.
Open-face container. G. E. Damrow. 2,116,060; May 5.
Opener, Bottle. F. J. Dziembowski. 2,116,306; May 3.
Organ, Pipe. G. Li. Quave. 2,116,040; May 3.
Orthopedic appliance. C. Bailie. 2,116,095; May 3.
Oscillator tube, Electronic. Y. Rocard. 2,115,877; May 3.
Oxides and their preparation, Cyclic. A. A. Levine and O. W. Cass. 2,116,439; May 3.
Packet. L. E. Boyd. 2,115,699; May 3.
Paint and liquid mixer, Portable. A. P. Jorgenson. 2,115,956; May 3.
Pan set, Baking. J. G. Jackson. 2,116,489; May 3.
Pan set, Centering. J. G. Jackson. 2,116,488; May 3.
Pan set, Centering. A. Katzinger. 2,116,490; May 3.
Pan set, Seamless baking. J. G. Jackson. 2,116,487; May 3.
Paper manufacture. H. R. Rafton. 2,115,747; May 3.
Parachute. S. Nonaka. 2,116,037; May 3.
Pattern mechanism for knitting machines. L. H. Leedham. 2,116,074; May 3.
Paver, Re-tread. W. A. Cost. 2,116,468; May 3.
Pen, Writing. G. S. Walter. 2,115,970; May 3.
Pencil. A. O. Beisang. 2,116,136; May 3.
Pencils and preparing pencil leads, Lead. I. Chesler. 2,116,187; May 3.
Petroleum residues, Obtaining valuable products from. P. K. Frolich. 2,115,846; May 3.
Phonograph, Portable electric automatic. A. Hill. 2,115,773; May 3.
Photography, Color. C. C. Smith and R. H. Pinker. 2,115,886; May 3.
Phototyping machine. H. C. Jones. 2,115,990; May 3.
Phthalocyanines, Acylated. S. Gassner and B. Bienert. 2,116,196; May 3.
Piano. W. Homm. 2,116,117; May 3.
Picture transmitting system. R. B. Shanck. 2,115,917; May 3.
Pictures, Apparatus and method for the electrical transmission of. E. F. Watson. 2,115,894; May 3.
Pigments, Making red. K. S. Mowlds. 2,115,739; May 3.
Pipe: *See*—
Smoking pipe. Tobacco pipe.
Pipe, Manufacture of welded spiral. H. W. Force. 2,115,925; May 3.
Pipe, Method of and apparatus for welding. G. E. Mirfield. 2,116,405; May 3.
Piston plant, Floating. H. Steiner. 2,115,921; May 3.
Plow, Snow. E. B. Jones and W. M. Clark. 2,116,351; May 3.
Plug tester, Spark. E. S. Holm and L. A. Miller. 2,115,710; May 3.
Poacher, Egg. S. Jay. 2,115,928; May 3.
Polisher, Manually portable motor driven. J. C. Hardy. 2,115,812; May 3.
Portable device for end-welding. J. D. Crecca and S. S. Scott. 2,115,707; May 3.
Post, Seat. R. Thiele. 2,115,830; May 3.
Potassium nitrate from potassium sulphate and mixtures containing the same, Producing. O. Kaselitz. 2,115,857; May 3.
Potential producing cell. J. S. Williams. 2,116,091; May 3.
Poultry feeder. E. A. Lahiere. 2,115,817; May 3.
Powder or rouge blending and holding container. J. V. Lynn. 2,115,930; May 3.
Power transmission device. L. Lee. 2,115,958; May 3.
Power transmitting device. K. Weihmann. 2,115,895; May 3.
Preparation of ergot and making the same, Highly active. M. R. Thompson. 2,116,454; May 3.
Press: *See*—
Pump press.
Press operating mechanism. J. M. Dewey. 2,116,143; May 3.
Pressure fluid engine. P. R. Forman. 2,115,845; May 3.
Prime mover control mechanism. A. Maas. 2,116,440; May 3.
Printing device. F. E. Curtis. 2,116,235; May 3.
Printing machine, Rotary. P. Koch. 2,116,725; May 3.
Printing mechanism for cash registers. W. H. Robertson. 2,116,214; May 3.
Printing method and apparatus. A. Wagner. 2,116,455; May 3.
Prolamine base composition, Plasticized. D. W. Hansen. 2,115,716; May 3.
Prolamine compositions, Manufacture of. D. W. Hansen. 2,115,717; May 3.
Prop, Pipe. F. M. Ashley. 2,115,696; May 3.
Propeller. J. Weichwald. 2,116,054-5; May 3.
Propeller driven vehicle. T. M. Finley. 2,115,711; May 3.
Propeller shaft, Sealed. C. W. Spicer. 2,116,290; May 3.
Protector. J. P. Heumann. 2,116,241; May 3.
Protein, protein compound, and method of preparation. C. Baldini. 2,116,377; May 3.
Pulley. H. A. Andreas. 2,115,837; May 3.
Pulp process, Sulphate. D. J. Young. 2,115,835; May 3.
Pulp web, Method of and apparatus for forming a. J. Fish and A. J. Barea. 2,116,168; May 3.
Punch press. O. E. Seiffert. 2,116,326; May 3.

Punching apparatus, Quick-setting adjustable. U. F. Gochoel. 2,116,391; May 3.
Quilting frame. S. S. Russell. 2,116,451; May 3.
Rack clip. E. S. Copeland. 2,116,386; May 3.
Radiant heating tube. H. H. Harris. 2,115,769; May 3.
Radio-phonograph time control method and means, Combined. R. B. Whitman and E. H. Haan. 2,115,756; May 3.
Radio receivers, Method and apparatus for controlling. K. W. Jarvis. 2,115,813; May 3.
Rail lubricator. T. A. S. Munford. 2,116,249; May 3.
Railway vehicle. W. E. Woodard. 2,116,295; May 3.
Rake, Lawn. I. Tsuchiya. 2,116,291; May 3.
Range, Gas. S. H. Hobson. 2,116,140; May 3.
Razor. W. T. Parkin. 2,116,280; May 3.
Razor blade holder. A. B. Dreyer. 2,115,945; May 3.
Razor, Electric. E. G. Bader. 2,116,229; May 3.
Razor, Safety. W. J. Davies. 2,116,190; May 3.
Razor, Safety. W. F. Steinmets and S. Rothschild. 2,116,792; May 3.
Receptacle: *See*—
Garbage receptacle.
Recorder, Electrical. C. E. Germanton. 2,115,806; May 3.
Recorder, Line overflow. R. E. Collis and O. Myers. 2,115,801; May 3.
Recording device. M. A. Lichten. 2,115,863; May 3.
Refining. G. J. Malherbe. 2,116,206; May 3.
Reflector. J. B. Dickson and A. R. C. Hatch. 2,115,906; May 3.
Refrigerating apparatus. R. J. Cracknell. 2,116,100; May 3.
Refrigerating machine, Compression. W. Hirche. 2,115,976; May 3.
Refrigeration system. B. E. Shaw. 2,116,002; May 3.
Registering or recording device for weighing apparatus. W. A. van Berkel. 2,116,086; May 3.
Regulator: *See*—
Step regulator.
Relay circuit. H. O. Roosenstein. 2,115,831; May 3.
Relay, Electric. J. E. Carlson. 2,116,007–8; May 3.
Relay, Electromagnetic. O. Lähn. 2,115,865; May 3.
Resin composition, Synthetic. S. L. M. Saunders. 2,116,084; May 3.
Resins and making same, Molded infusible synthetic. A. Gams, G. Widmer, and K. Frey. 2,116,019; May 3.
Retractile landing gear. K. Heinrichsen. 2,116,395; May 3.
Reversing mechanism. R. R. Chappell and R. B. Colt. 2,116,142; May 3.
Ring traveler for spinning machines. E. S. Kempton. 2,116,071; May 3.
Road marking machine. W. S. Nissly. 2,116,407; May 3.
Roadway construction. W. R. Malone. 2,116,033; May 3.
Rock drill. E. C. Gartin. 2,115,911; May 3.
Roll grinding machine and method. C. A. Fox. 2,115,906; May 3.
Roller skate clamp. I. Jaffee. 2,116,204; May 3.
Rubber latex, Deproteinization of. L. Wallerstein. 2,116,089; May 3.
Rubber, Plasticising. W. F. Busse. 2,115,705; May 3.
Rubber, Preservation of. I. Williams, W. A. Douglass, and A. M. Neal. 2,116,333; May 3.
Rubber spreading machine. A. S. Stumpp. 2,115,752; May 3.
Rubber substitutes. P. J. Wiezevich, now by judicial change of name to P. J. Gaylor. 2,115,896; May 3.
Rule, Parallel. J. H. Ball. 2,115,983; May 3.
Sachet for treating and waving hair. P. L. Moulin. 2,116,079; May 3.
Safety appliance for airplanes. C. W. and C. F. Poindexter. 2,115,932; May 3.
Safety device for saw tables. F. Fink. 2,116,194; May 3.
Safety match holder. W. Beyer. 2,116,231; May 3.
Salt preparations, Diabo. M. Wyler. 2,116,131; May 3.
Sash balance. R. E. Sturman. 2,116,329; May 3.
Saw filing machine. T. H. Gavin. 2,115,712; May 3.
Scraper. C. Romeo. 2,116,282; May 3.
Screen: *See*—
Vibrating screen. Window screen.
Screw driver and voltage detector. F. F. O'Brien and H. D. Menkel. 2,116,448; May 3.
Seal for rotary shafts. E. A. Lapham. 2,116,397; May 3.
Seal, Forming a. W. M. Brooks. 2,116,338; May 3.
Sealing insertion. G. Meerbeck. 2,116,277; May 3.
Sealing mechanism. L. Benoit and C. C. Moth. 2,116,259; May 3.
Sealing, supporting, and cushioning assembly. J. M. W. Chamberlain. 2,116,099; May 3.
Seat: *See*—
Folding seat.
Seat construction. C. H. Menge. 2,116,402; May 3.
Seat spring. L. F. Busha. 2,116,012; May 3.
Seat upholstery unit and making the same. M. E. Darlington. 2,116,102; May 3.
Separator: *See*—
Hop and stem separator.
Serving device. L. A. Leppke. 2,115,862; May 3.
Sewers, Backwater control for. D. H. Anderson. 2,116,422; May 3.
Sewing machine attachment. A. Antonelli. 2,116,094; May 3.
Sewing machine table, Power. H. T. Hallowell. 2,116,433; May 3.
Shade, Adjustable ventilating window. M. F. Ehlers. 2,116,237; May 3.
Shade supporting frame. A. W. Planeta. 2,115,966; May 3.
Sharpener, Safety razor blade. R. A. F. Ohlendorf. 2,116,038; May 3.
Sharpener, Scissors. F. Krähenbuhl. 2,115,778; May 3.
Shears sharpening device. R. E. Davis. 2,116,343; May 3.
Sheet and sheet holder, Abrading wheel. H. W. Dempsey. 2,115,943; May 3.
Sheet, Work or test. P. W. Nesbit. 2,115,740; May 3.
Shield. E. Rietsch. 2,116,413; May 3.
Shoe construction, Cemented. H. B. Gorman. 2,115,810; May 3.
Shoe finishing machine. C. M. Bagshaw and A. Harrington. 2,115,838; May 3.
Shoe sole and heel coloring device. L. Nandarrow. 2,116,406; May 3.
Shoe, Stitch-down. H. C. King. 2,115,859; May 3.
Shoes, Apparatus for the manufacture of welted. W. C. Card. 2,115,800; May 3.
Shuttlecock, Rubber. G. Crespin. 2,116,304; May 3.
Sight for firearms. O. H. Nelson. 2,116,250; May 3.
Sign. S. Slutsky. 2,116,416; May 3.
Sign display apparatus. I. Schewelov. 2,116,287; May 3.
Signal code sending system. J. H. Wheelock. 2,116,255; May 3.
Signal transmitter. F. E. Weld. 2,116,372; May 3.
Signaling system. H. W. Dudley. 2,115,803; May 3.
Signaling system, Railway. R. A. Sheets and S. E. Noble. 2,115,979; May 3.
Size determining mechanism for automatic machines. H. L. Blood. 2,116,232; May 3.
Sizing device for winding machines. G. N. Taylor. 2,116,453; May 3.
Slip. M. C. Schrank. 2,116,047; May 3.
Slug casting machine. R. R. Mead. 2,116,035; May 3.
Soldering apparatus. W. F. Winterling. 2,116,458; May 3.
Solvent, Degreasing. A. A. Levine. 2,116,438; May 3.
Smelting furnace cover, Electric. P. Honegger. 2,116,202; May 3.
Smoking pipe. P. E. Cahow. 2,116,382; May 3.
Snowbank cutter. S. C. Sleeper and L. Du Pras. 2,115,790; May 3.
Soot blowing and cleaning apparatus for boilers, economizers, or the like. J. W. L. Simpson. 2,115,885; May 3.
Speed change device. J. D. Christian. 2,116,166; May 3.
Spindle, Angle grinding. A. W. Mall. 2,110,491; May 3.
Spring: *See*—
Seat spring.
Spring suspension, Vehicle. D. H. Heuman. 2,116,026; May 3.
Stamp, Control. F. Gruttmann. 2,115,767; May 3.
Steam heating systems, Apparatus for treating. O. J. Bublitz. 2,115,971; May 3.
Steel and products thereof, Coating strip. M. Rubin and R. E. Alexander. 2,115,750; May 3.
Steering device for automobiles. W. H. Furness. 2,116,307; May 3.
Step regulator. S. Minneci and L. F. Blume. 2,116,403; May 3.
Stock feeding means for multiple spindle machine tools, Supplemental. S. Baxendale. 2,115,938; May 3.
Stoker. W. T. Hanna. 2,116,115; May 3.
Stooker, Grain. D. MacLean. 2,116,032; May 3.
Stop, Conduit door. L. L. Hansen. 2,115,811; May 3.
Straight lift pumping jack. A. N. Porter. 2,115,872; May 3.
Structural assembly and making the same. G. E. Shipway. 2,116,452; May 3.
Suit, Bathing. D. Watinsky. 2,115,833; May 3.
Sulphides to recover sulphur and metallic oxides therefrom, Treatment of metallic. I. R. McHaffie and D. Tyrer. 2,115,780; May 3.
Support. J. Zagora. 2,115,898; May 3.
Support for electric lamps, Adjustable. H. A. Stock and A. J. Wilmot. 2,116,050; May 3.
Support for the graphic arts. M. Dunkle. 2,115,972; May 3.
Switch: *See*—
Electrical switch. Inertia switch.
Electromagnetic switch. Thermostatic switch.
Float switch.
Switch operating apparatus, Electric. C. H. Hill and A. E. Anderson. 2,116,396; May 3.
Switch operating apparatus, Railway. H. L. Bone. 2,115,901–2; May 3.
Switching device, Electromagnetic. F. A. Zupa. 2,115,836; May 3.
Syringe, Multiple compartment ampule and hypodermic. M. Losier and C. H. Frost. 2,115,731; May 3.
Table: *See*—
Folding table. Sewing machine table.
Table decorating unit. W. L. Orme. 2,115,962; May 3.
Tag, Price. F. Kohnle. 2,116,476–7; May 3.
Tanning process. O. Röhm. 2,115,880; May 3.
Tape printer. E. E. Kleinschmidt. 2,115,991; May 3.
Tappet. E. J. Fisk. 2,116,109; May 3.
Tapping machine. L. T. Koppl. 2,115,992; May 3.
Telegraph system. M. Amann. 2,116,134; May 3.
Television apparatus. A. J. Cawley. 2,116,425; May 3.
Temperature control for molten streams. H. K. Richardson and F. A. Newcombe. 2,116,450; May 3.
Test terminal. O. H. Eichblatt. 2,116,388; May 3.





Theater and cinematograph exhibitions, Harmonious melting of combined. G. Guidorossi. 2,116,114; May 3.
Thermal system. E. S. Cornell, Jr. 2,115,706; May 3.
Thermometer case. R. Romolgo. 2,116,283; May 3.
Thermostatic control device. C. E. O. Kriegstedt. 2,116,436; May 3.
Thermostatic switch. M. Guett. 2,116,394; May 3.
Thread or yarn, and machine for making same, Making rubber. W. M. Spencer. 2,116,222; May 3.
Ticket issuing machine. H. D. Black and A. A. C. Degen. 2,115,760; May 3.
Tire valve. S. T. Williams. 2,116,090; May 3.
Tobacco pipe. J. E. Theriault. 2,115,981; May 3.
Toilet. E. Van Buren. 2,116,253; May 3.
Tool: *See*—
Boring tool. Machine tool.
Electrically operated tool.
Tool for applying hose clamps. M. J. McAneny. 2,115,736; May 3.
Torque device for tandem units. N. Van Husen. 2,116,485; May 3.
Tower, Antenna. E. J. Staubitz. 2,116,368; May 3.
Toy ball. V. D. Da Costa. 2,115,986; May 3.
Toy, Building. J. M. Champlin. 2,116,301; May 3.
Toy, Collapsible or knock-down. E. P. O'Donnell. 2,116,279; May 3.
Track rail joint. E. M. Livingston. 2,116,463; May 3.
Traffic controlling system for railroads, Centrallized. N. D. Preston. 2,116,177; May 3.
Traffic controlling system, Railway. W. T. Powell. 2,116,178; May 3.
Trailer vehicle. F. M. Reid. 2,116,412; May 3.
Transfer for applying designs to wood and other surfaces. H. Kaufmann. 2,116,205; May 3.
Transformer, Impedance. E. L. Norton and R. F. Nick. 2,115,826; May 3.
Transmission. A. Y. Dodge and E. R. Koppel. 2,115,987; May 3.
Transmission control, Automatic. P. O. Farnham. 2,115,844; May 3.
Transmission line system. P. S. Carter. 2,115,764; May 3.
Transmission network, Wave. E. Lakatos. 2,115,818; May 3.
Transmitter system. P. C. Gardiner. 2,116,390; May 3.
Tray, Filing. A. C. Williamson. 2,116,373; May 3.
Trimming machine. J. V. Poole. 2,115,786; May 3.
Truck, Wheeled. G. B. Hollett. 2,116,312; May 3.
Tube: *See*—
Cathode ray tube. Radiant heating tube.
Oscillator tube.
Tube and circuit, Double grid electron. H. Lux. 2,115,866; May 3.
Tube for medical use, Rubber. W. Rüsch. 2,116,083; May 3.
Tubes, Manufacture of radio. F. E. Bash. 2,115,759; May 3.
Twister cap. W. B. Cooper. 2,116,342; May 3.
3.5-diiodo-5-hydroxy acylophenone compounds and producing the same. M. Dohrn and P. Diedrich. 2,116,104; May 3.
Type casting machine. R. J. Woodruff. 2,116,460; May 3.
Typewriting and computing machine, Combined. H. L. Pitman. 2,115,870; May 3.
Typewriting and computing machine, Combined. O. Thieme. 2,115,922; May 3.
Typewriting machine. W. F. Helmond. 2,115,912; May 3.
Typewriting machine. J. A. B. Smith. 2,115,920; May 3.
Typographical composing and casting machine. T. J. Thatcher. 2,116,051; May 3.
Typographical composing machine. F. C. Frolander. 2,116,018; May 3.
Undergarment. J. M. Lindh. 2,116,360; May 3.
Vacuum cleaner. J. D. Cole. 2,116,233; May 3.
Vacuum cleaning-apparatus. W. A. van Berkel. 2,116,085; May 3.
Valance, Venetian blind. F. E. Stinson. 2,115,935; May 3.
Valve: *See*—
Hydraulic control valve. Tire valve.
Valve. G. K. O'Connor. 2,115,998; May 3.
Valve control mechanism, Hydraulic Diesel air chamber. B. Loeffler. 2,116,175; May 3.
Valve core. J. Wahl. 2,116,087; May 3.
Valve for dentures, Suction. A. H. Brown. 2,115,939; May 3.
Valve for internal combustion engines, Rotating. C. Gross. 2,116,022; May 3.
Vehicle: *See*—
Boat or other vehicle. Railway vehicle.
Motor vehicle. Trailer vehicle.
Propeller driven vehicle.
Vehicle body. E. E. Lundberg. 2,116,313; May 3.
Vehicle body, Motor. C. Breer, A. G. Herreshoff, O. H. Clark, and R. Cadwallader. 2,115,903; May 3.
Vehicle body, Motor. H. A. Hicks. 2,115,913; May 3.
Vehicle control, Motor. M. B. Jackson. 2,115,776; May 3.
Vehicle lamp. C. W. Anklam. 2,115,695; May 3.
Ventilating building block. J. H. Whitmarsh. 2,116,457; May 3.
Vernier tuning control. H. Goudet. 2,116,113; May 3.
Vessel locating apparatus, Sunken. W. R. McKenney. 2,115,996; May 3.
Vessels, Steering. R. F. McLeod. 2,116,276; May 3.
Vibrating screen. H. L. Strube. 2,116,225; May 3.
Vibration dampener. R. P. Lewis. 2,115,819; May 3.
Visual indicator for tuning means. K. Schwarz. 2,116,217; May 3.
Volume control arrangement. A. H. Cooper and W. C. Corner. 2,115,842; May 3.
Voting mechanism, Primary. A. H. Gustavson. 2,115,849; May 3.
Walls, sheets, and the like, System for electrically measuring the thickness of metallic. A. Loewenstein. 2,116,119; May 3.
Washing machine. A. R. Lofstrand, Sr. 2,116,155; May 3.
Watch. F. Wachter. 2,116,493; May 3.
Water bag. M. H. Brown. 2,116,009; May 3.
Water economiser, Feed. G. L. Kottes. 2,116,028; May 3.
Waterproof compound. M. H. Belloc. 2,115,797; May 3.
Water, Purification of organically polluted. O. M. Urbain and W. R. Stemen. 2,116,053; May 3.
Wave system, Ultrashort. H. Scharlau. 2,115,788; May 3.
Waving device, Permanent. C. F. Harris and W. A. Tripp. 2,116,348; May 3.
Wax, Treating petroleum. B. H. Shoemaker. 2,116,220; May 3.
Webs, Measuring of running. J. Menschner. 2,115,822; May 3.
Webs, Process and apparatus for measuring running. J. Menschner. 2,115,737; May 3.
Weed destroyer. H. N. Bingham. 2,115,702; May 3.
Welding and cutting apparatus. R. J. Kehl. 2,116,352; May 3.
Well boring apparatus. F. G. McCann. 2,116,359; May 3.
Well declinations, Measuring. J. C. Hewitt, Jr. 2,116,350; May 3.
Welt guide. K. Engel. 2,115,907; May 3.
Wheel: *See*—
Abrasive wheel. Balance wheel.
Wheel suspension. G. L. McCain. 2,115,915; May 3.
Wheel suspension, Vehicle. F. W. Slack. 2,115,919; May 3.
Wheel turning gauge. G. M. Graham. 2,115,766; May 3.
Winding machine. E. F. Parks. 2,116,409–10; May 3.
Window jack. L. A. Duncan. 2,116,427; May 3.
Windowpanes, Drawing double walled. G. Aurien. 2,116,297; May 3.
Window screen. H. I. Fogelberg. 2,116,261; May 3.
Window structure for vehicles. R. T. Axe. 2,115,698; May 3.
Wing system, Rotative. S. P. Vaughn. 2,115,754; May 3.
Wire bending machine. H. R. Geer. 2,116,109; May 3.
Wool, Treating grease. R. J. Wig. 2,116,294; May 3.
Work center, Yielding. S. W. Bath. 2,116,135; May 3.
Workholder for metal-cutting machines. E. P. Schiltz. 2,116,251; May 3.
Work spacing mechanism for stripping machines. D. Daneke. 2,116,475; May 3.
Wrapping for structural shapes. G. B. Bosco. 2,116,335; May 3.
X-ray anodes, Constructing. F. H. Driggs and H. W. Highriter. 2,116,387; May 3.

# CLASSIFICATION OF PATENTS

## ISSUED MAY 3, 1938

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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65: 2,116,479
95: Re.20,713
102.2: 2,116,014
106: 2,116,304
274— 9: 2,115,863
279— 2: 2,116,243
280— 11.32: 2,116,204
33.1: 2,116,412
50: 2,116,312
90.2: 2,115,915
2,115,918
2,115,919
106: 2,115,931
124: 2,116,027
281— 27: 2,115,951
29: 2,115,993
285— 86: 2,116,299
143: 2,115,984
149: 2,115,743
287— 14: 2,115,953
85: 2,115,994
2,116,254
90: 2,115,774
288— 1: 2,116,240
2,116,397
290— 40: 2,116,440
292— 17: 2,116,444
256: 2,115,768
294— 2: 2,115,903
2,115,913
2,116,313
2,116,330
37: 2,116,779
44: 2,116,305
57: 2,115,816
297— 3: 2,116,436
299— 90: 2,115,959
98: 2,116,319
304— 27: 2,116,427
305— 6: 2,116,441
19: 2,116,375
308— 79.1: 2,115,746
311— 16: 2,116,433
77: 2,116,727
312— 42: 2,115,923
143: 2,115,720
193: 2,116,947

U. S. GOVERNMENT PRINTING OFFICE: 1938

# LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbotts Dairies, Incorporated, Philadelphia, Pa. Chocolate fudge sauce, butterscotch syrup, etc. Serial No. 385,825; May 10. Class 46.

Albemarle Paper Mfg. Company, The, Richmond, Va. Kraft paper. Serial No. 399,818; May 10. Class 37.

American Maize-Products Company, New York, N. Y. Corn syrup. Serial No. 402,081; May 10. Class 46.

Arrow-Hart & Hegeman Electric Company, The, Hartford, Conn. Electrical circuit breakers, switches, fuses, etc. Serial No. 402,812; May 10. Class 21.

Ashworth, Leada, doing business as Bomtex Company, Kansas City, Mo. Antiseptic dressing. Serial No. 404,027; May 10. Class 6.

Astone Products Co., Lansdale, Pa. Antiseptic. Serial No. 403,893; May 10. Class 6.

Atlas Powder Company, Wilmington, Del. Pyroxylin or otherwise coated paper or fabric. Serial No. 404,073; May 10. Class 50.

Automatic Signal Corporation, New York, N. Y. Automatic electric traffic control signalling systems and apparatus, etc. Serial No. 389,971; May 10. Class 21.

Automobile Club of Maryland, The, Baltimore, Md. Official publication. Serial No. 397,527; May 10. Class 38.

Avondale Mills, Birmingham, Ala. Cotton piece goods. Serial No. 403,713; May 10. Class 42.

Baby Bathinette Corporation, Rochester, N. Y. Bathing devices for dolls. Serial No. 403,297; May 10. Class 22.

Bach Pessalator Company, The. (See Bachmann, Robert A.)

Bachmann, Robert A., doing business as The Bach Pessalator Company, New York, N. Y. Pessary applicators. Serial No. 401,175; May 10. Class 44.

Basol Laboratories, Inc., Greenville, S. C. Solvent. Serial No. 403,491; May 10. Class 4.

Beck, A. S., Shoe Corporation, New York, N. Y. Hosiery. Serial No. 404,108; May 10. Class 39.

Bee, Koller & Co., Inc., Detroit, Mich. Resins, resin solutions. Serial No. 401,467; May 10. Class 1.

Beer, William J., Company, Inc., New York, N. Y. Skis and component parts thereof. Serial Nos. 393,207–8; May 10. Class 22.

Blanchard, Alva G., doing business as Inferno Company, Shreveport, La. Gas burners and oil burners. Serial No. 402,466; May 10. Class 34.

Bomtex Company. (See Ashworth, Leada.)

Bonwit, Lennon and Company, Incorporated, Baltimore, Md. Dresses, corsets, and brassieres. Serial No. 396,528; May 10. Class 39.

Borden Company, The, New York, N. Y. Food product. Serial No. 401,885; May 10. Class 46.

Borgenicht Bros., Inc., New York, N. Y. Dresses, playsuits, slacks, etc. Serial No. 402,326; May 10. Class 39.

Browning, King & Co. of New York, Inc., New York and Brooklyn, N. Y. Wearing apparel. Serial Nos. 400,827–8; May 10. Class 39.

Burgess, C. F., Laboratories, Inc., Chicago, Ill. Granular material for chemically softening and conditioning water. Serial No. 404,200; May 10. Class 6.

C-Lite Products. (See Hoover, Claude H.)

Calgon, Inc., Pittsburgh, Pa. Water softening chemical. Serial No. 395,274; May 10. Class 6.

Catalina. (See Pacific Knitting Mills, Inc.)

Celluloid Corporation, Newark, N. J. Envelopes, envelope windows, stencils, etc. Serial No. 404,468; May 10. Class 37.

Cera-Lac Company, The, Los Angeles, Calif. Prepared cereal breakfast food. Serial No. 403,195; May 10. Class 46.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. Serial No. 388,901; May 10. Class 38.

Clark-Milliner Co., doing business as Escort Co., Chicago, Ill. Nail polish remover pads and cleansing pads. Serial No. 402,843; May 10. Class 6.

Cline, Winfield E., doing business as Cline Advertising Service, Boise, Idaho. Printing mats, electrotypes, etc. Serial No. 402,676; May 10. Class 50.

Clopay Corporation, Cincinnati, Ohio. Window shades. Serial No. 403,034; May 10. Class 32.

Coal Tar Product Company, Brooklyn, N. Y. Roofing cement. Serial No. 403,166; May 10. Class 12.

Coffee Sales Company. (See Witwer Grocer Company.)

Colgate-Palmolive-Peet Company, Jersey City, N. J. Glycerine. Serial No. 403,990; May 10. Class 6.

Columbian Art Works, Inc., Milwaukee, Wis. Desk, writing, and memorandum pads. Serial No. 400,633; May 10. Class 37.

Commercial Ledger Service, Chippewa Falls, Wis. Blank forms and loose leaf binders. Serial No. 404,516; May 10. Class 37.

Coopers, Incorporated, Kenosha, Wis. Men's underwear. Serial No. 400,039; May 10. Class 39.

Cox & Stevens Aircraft Corp., Mineola, N. Y. Instruments to be used in determining the flight balance of aircraft; etc. Serial No. 401,924; May 10. Class 26.

Cutler Shoe Company, Inc., Chicago, Ill. Footwear. Serial No. 395,905; May 10. Class 39.

Daily Mirror, Inc., New York, N. Y. Newspaper. Serial No. 403,998; May 10. Class 38.

Detective Comics, Inc., New York, N. Y. Magazine publication. Serial No. 402,364; May 10. Class 38.

Detroit Free Press, The, Detroit, Mich. Daily newspaper column. Serial No. 403,170; May 10. Class 38.

Dixon, Carl A., doing business as Vitefolyn Company, Des Moines, Iowa. Medicinal lotion. Serial No. 404,198; May 10. Class 6.

Druggists' Corporation, Limited, Toronto, Canada. Hand lotions. Serial No. 395,447; May 10. Class 6.

Durkee-Mower, Inc., Lynn, Mass. Marshmallow cream, and prepared cocoa. Serial No. 403,171; May 10. Class 46.

Elliott, B. K., Company, Pittsburgh, Pa. Tracing cloth. Serial No. 404,402; May 10. Class 37.

Ellis-Foster Company, Montclair, N. J. Synthetic resins. Serial No. 403,447; May 10. Class 1.

Ensign Products Company, Cleveland, Ohio. Belt dressing and preserver. Serial No. 401,364; May 10. Class 4.

Esperon, Thomas B., Detroit, Mich. Pharmaceutical preparation. Serial No. 403,652; May 10. Class 6.

Escort Co. (See Clark-Milliner Co.)

Ezell, C. J., Chicago, Ill. Cold creams. Serial No. 403,912; May 10. Class 6.

Famo Products Co., Los Angeles, Calif. Canned prune juice. Serial No. 403,201; May 10. Class 46.

Filtrol Company of California, Los Angeles, Calif. Adsorptive and purifying material. Serial No. 404,038; May 10. Class 6.

Fine Foods, Inc., Seattle, Wash. Gelatin dessert. Serial No. 403,309; May 10. Class 46.

Fink-Roselieve Co., Inc., New York, N. Y. Photographic apparatus. Serial Nos. 403,122–3; May 10. Class 26.

Firth Carpet Company, The, New York, N. Y. Carpets and rugs. Serial No. 403,682; May 10. Class 42.

Fitchburg Grinding Machine Corp., Fitchburg, Mass. Machines for grinding metal. Serial No. 384,916; May 10. Class 23.

Forrest Knitting Mills. (See Highland Knitting Mills.)

Freundlich, Ralph A., Inc., Clinton, Mass. Novelty dolls or dummy representations of beings. Serial No. 403,407; May 10. Class 22.

Freydberg Bros., Inc., Stamford, Conn. Shoulder pads. Serial No. 404,172; May 10. Class 39.

Fru-Lax Company. (See Levinthal, Ida.)

Gerber & Co., Inc., New York, N. Y. Cheese. Serial No. 393,273; May 10. Class 46.

Goshen Manufacturing Company, The, Goshen, Ind. Lawn chairs. Serial No. 404,[illegible]7; May 10. Class 32.

Great Lakes Varnish Works, Inc., Chicago, Ill. Paint enamels. Serial No. 398,470; May 10. Class 16.

Half Moon Biscuit Co., Inc., New York, N. Y. Crackers and biscuit. Serial No. 403,819; May 10. Class 46.

Hampden Brewing Company, Willimansett, Mass. Ale, beer, and porter. Serial No. 403,412; May 10. Class 48.

Hanna, Agnes E., New York, N. Y. Tissue cream, skin tonic, foundation cream, etc. Serial No. 397,909; May 10. Class 6.

Hardinge Company, Incorporated, York, Pa. Noise responsive control apparatus. Serial No. 400,459; May 10. Class 23.

Harris, P. Stephen, doing business as National Cosmetic Sales Co., Kansas City, Mo. Perfumed deodorant. Serial No. 403,767; May 10. Class 6.

Hearn Department Stores, Inc., New York, N. Y. Wines. Serial No. 402,862; May 10. Class 47.

Highland Knitting Mills, doing business as Forrest Knitting Mills, Philadelphia, Pa. Knitted sweaters, sweater coats, jackets, etc. Serial No. 401,611; May 10. Class 39.

Holsen, E. S., Attica, Ind. Salve. Serial No. 404,083; May 10. Class 6.

Hoover, Claude H., doing business as C-Lite Products, Goshen, Ind. Liquid preparation for cleaning and polishing glass and metal. Serial No. 403,178; May 10. Class 4.

Horn Signal Manufacturing Corporation, New York, N. Y. Sounding horns, signals, audible alarms, etc. Serial No. 394,283; May 10. Class 21.

Hosenball, Joseph, New York, N. Y. Ladies' hats, caps, and bonnets. Serial No. 393,985; May 10. Class 39.

Hunter Electro-Copyist, Inc., Syracuse, N. Y. Photocopying apparatus, supplies therefor, and parts thereof. Serial No. 402,977; May 10. Class 26.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Hunter, Robert L., doing business as The Nautical Clock Co., Norfolk, Va. Watches, clocks, chronometers, and dials therefor. Serial No. 404,173; May 10. Class 27.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Artificial fibers. Serial No. 403,406; May 10. Class 1.
Inferno Company. (See Blanchard, Alva G.)
International Nickel Company, Inc., The, New York, N. Y. Nickel-containing alloys. Serial No. 404,251; May 10. Class 14.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 404,252; May 10. Class 39.
Jayknit Company, Inc., New York, N. Y. Knitted outerwear and beachwear. Serial No. 400,671; May 10. Class 39.
Jewel Sheen Waterproofing Corp., Long Island City, N. Y. Waterproof fabrics. Serial No. 403,725; May 10. Class 50.
Juilliard-Cockcroft Corporation, Watsonville and San Francisco, Calif. Brandy-cognac. Serial No. 403,952; May 10. Class 49.
Keig, Marshall, trustee for Prima Company, Chicago, Ill. Beer. Serial No. 394,666; May 10. Class 48.
Keil Company, Billings, Mont. Coffee and canned vegetables. Serial No. 401,062; May 10. Class 46.
Keppler, Victor, New York, N. Y. Photographic prints. Serial No. 404,176; May 10. Class 38.
Kleiner, Anthony, Grand Rapids, Mich. Cigars. Serial No. 396,292; May 10. Class 17.
Kuatro Sales Corporation, Seattle, Wash. Board games. Serial No. 403,771; May 10. Class 22.
Lee, Frank H. Company, The, Danbury, Conn. Hats. Serial No. 403,666; May 10. Class 39.
Letellier-Phillips Paper Company, Inc., New Orleans, La. Wiping cloths. Serial No. 404,569; May 10. Class 29.
Levinthal, Ida, doing business as Fru-Lax Company, Chicago, Ill. Laxative medicinal fruits. Serial No. 393,057; May 10. Class 6.
Loomtogs, Inc., New York, N. Y. Bathing suits. Serial No. 402,639; May 10. Class 39.
Macy, R. H., & Co., Inc., New York, N. Y. Jellies, cheese, candies, etc. Serial No. 403,657; May 10. Class 46.
Martin, Burton A., Culver, Minn. Hunting coats, shirts, and pants, hosiery, neckties, etc. Serial No. 403,515; May 10. Class 39.
McNulty, William J., Montclair, N. J. Preparation for teething and sore gums. Serial No. 403,961; May 10. Class 6.
Medicinal Research Laboratories, Philadelphia, Pa. Preparation used as a nutritive and stimulant tonic. Serial No. 402,012; May 10. Class 6.
Medicine Today, Inc., Brooklyn, N. Y. Monthly publication. Serial No. 403,658; May 10. Class 38.
Midway Chemical Co., Jersey City, N. J. Wax polish. Serial No. 403,704; May 10. Class 16.
Miller, Albert, & Co., Chicago, Ill. Potatoes. Serial No. 403,777; May 10. Class 46.
Minnesota Valley Canning Company, Le Sueur, Minn. Canned vegetables. Serial Nos. 403,952–3; May 10. Class 46.
Modern Pharmacals, Limited, London, England. Pharmaceutical preparation. Serial No. 404,225; May 10. Class 6.
Moore Fabric Company, Pawtucket, R. I. Elastic webbing and narrow fabric. Serial No. 403,461; May 10. Class 40.
Mouldrite Limited, London, England. Synthetic resins. Serial No. 402,432; May 10. Class 1.
Murphy Chair Company, Owensboro, Ky. Spring seat chair construction. Serial No. 404,257; May 10. Class 32.
Mutual Citrus Products Co., Anaheim, Calif. Canned citrus juices for beverage purposes. Serial No. 403,015; May 10. Class 45.
Myerson, Ben, Inc., Los Angeles, Calif. Candy. Serial No. 397,222; May 10. Class 46.
National Cosmetic Sales Co. (See Harris, P. Stephen.)
Nautical Clock Co., The. (See Hunter, Robert L.)
Niacet Chemicals Corporation, Niagara Falls, N. Y. Acetal, acetaldehyde, acetaldol, etc. Serial No. 403,555; May 10. Class 6.
Oppleman, L., Inc., New York, N. Y. Telescopes. Serial No. 404,134; May 10. Class 26.
Omnia Corporation, New York, N. Y. Machines for developing diaso type prints and parts thereof. Serial No. 402,949; May 10. Class 26.
Pacific Knitting Mills, Inc., doing business as Catalina, Los Angeles, Calif. Sun tan suits for women. Serial No. 403,920; May 10. Class 39.
Paramount Fashion Co., Inc., New York, N. Y. Dresses. Serial No. 396,544; May 10. Class 39.
Parrot Speed Fastener Corp., New York and Long Island City, N. Y. Stapling machines, tackers, and pliers. Serial No. 392,550; May 10. Class 23.
Patterson-Sargent Company, The, Cleveland, Ohio. Paints, paint enamels, stains, etc. Serial No. 404,483; May 10. Class 16.
Peerless Laboratories, Inc., New York, N. Y. Electro therapeutic apparatus. Serial No. 404,015; May 10. Class 44.
Penn, Benjamin C., doing business as Pioneer Beauty Supply Company, Chicago, Ill. Hair-dress preparation. Serial No. 403,660; May 10. Class 6.
Petroleum Solvents Company, The, Butler, Pa. Solvent naphtha. Serial No. 401,316; May 10. Class 4.
Pilley, Frank, & Sons, Inc., Omaha, Nebr. Butter. Serial No. 400,876; May 10. Class 46.
Pioneer Beauty Supply Company. (See Penn, Benjamin C.)
Plate Kleen Products Company, The, Dayton, Ohio. Dentifrice. Serial No. 402,275; May 10. Class 6.
Poloris Company, Inc., New York, N. Y. Nose drops, ointment, and analgesic preparation. Serial No. 404,182; May 10. Class 6.
Prima Company. (See Keig, Marshall, trustee.)
Rock, Murray, Denver, Colo. Hair tinting rinses. Serial No. 403,386; May 10. Class 6.
Sackman Brothers Company, New York, N. Y. Children's playsuits. Serial No. 389,477; May 10. Class 39.
Schwartz, B., & Co., Philadelphia, Pa. Boys' lumber jackets, knickers, shorts, etc. Serial No. 402,860; May 10. Class 39.
Seidmann's, B., Sons, Philadelphia, Pa. Knitted hockey caps and scarfs. Serial No. 403,664; May 10. Class 39.
Selma Mercantile Corporation, New York, N. Y. Eggs in the shell. Serial No. 403,375; May 10. Class 46.
Simmons Company, New York, N. Y. Mattresses, box springs, sofas, etc. Serial No. 404,233; May 10. Class 32.
Singer Shaver Corporation, Wilmington, Del. Dry shavers. Serial No. 402,577; May 10. Class 23.
Societe Anonyme des Anciens Etablissements C. & E. Chapal Freres & Cie., Montreuil-sous-Bois, France. Hides, pelts, and skins. Serial No. 392,292; May 10. Class 1.
Societe Anonyme la Biotherapie (Société Anonyme de Produits Chimiques, Biologiques et d'Hygiène), Paris, France. General tonic and remedy. Serial No. 404,018; May 10. Class 6.
Somerville Live Poultry Co. Inc., Cambridge, Mass. Poultry. Serial No. 403,282; May 10. Class 46.
Squibb, E. R., & Sons, New York, N. Y. Syphilotherapeutic. Serial No. 404,272; May 10. Class 6.
Stange, Wm. J., Co., Chicago, Ill. Tablets for curing meat and for food color tablets. Serial No. 396,934; May 10. Class 6.
Stearns, Frederick, & Company, Detroit, Mich. Preparation used as a vasoconstrictor, etc. Serial No. 404,063; May 10. Class 6.
Stratford Engineering Corporation, Kansas City, Mo. Apparatus for refining hydrocarbon oils. Serial No. 393,188; May 10. Class 23.
Streit, Carl F., doing business as C. F. Streit Manufacturing Company, Cincinnati, Ohio. Chairs. Serial No. 404,421; May 10. Class 32.
Superior Fastener Corporation, Chicago, Ill. Metal wood holding cleats. Serial No. 363,470; May 10. Class 13.
Taylor, Taylor & Hobson, Limited, Leicester, England. Photographic lenses. Serial No. 389,274; May 10. Class 26.
Triangle Underwear Corporation, New York, N. Y. Slips. Serial No. 403,838; May 10. Class 39.
Tycoon Tackle, Inc., Miami, Fla. Fishing rods. Serial Nos. 404,194–5; May. 10. Class 22.
Umatilla Fruit Co., The, Umatilla, Fla. Fresh citrus fruits. Serial No. 403,792; May 10. Class 46.
Union Coal Company, Inc., Rochester, N. Y. Coal. Serial No. 402,252; May 10. Class 1.
United States Gypsum Company, Chicago, Ill. Casting plaster composition. Serial No. 396,621; May 10. Class 12.
United States Graphite Company, The, Saginaw, Mich. Graphite. Serial No. 404,140; May 10. Class 1.
United States Products, Inc., New York, N. Y. Shoes. Serial No. 403,105; May 10. Class 39.
Vitefolyn Company. (See Dixon, Carl A.)
Warwick Chemical Company, West Warwick, R. I. Detergents. Serial No. 396,630; May 10. Class 4.
Weiss-Friedman Co. Inc., New York, N. Y. Piece goods of silk, rayon, etc. Serial No. 403,745; May 10. Class 42.
Wellesley Modes Inc., New York, N. Y. Coats and suits. Serial No. 400,622; May 10. Class 39.
Wesco Foods Company, Cincinnati, Ohio. Evaporated milk. Serial No. 404,090; May 10. Class 46.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric luminaires. Serial No. 403,883; May 10. Class 21.
Wile, Julius, Sons & Co., Inc., New York, N. Y. Brandy, cognac, whiskey, etc. Serial No. 399,693; May 10. Class 49.
Wile, Julius, Sons & Co., Inc., New York, N. Y. Sherries, ports, champagne, etc. Serial No. 399,694; May 10. Class 47.
Willson Products, Inc., Reading, Pa. Protection shields for goggles. Serial No. 404,148; May 10. Class 26.
Wilson & Co., Inc., Chicago, Ill. Gelatine coating for cured meats, etc. Serial No. 404,024; May 10. Class 46.



PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Witwer Grocer Company, doing business as Coffee Sales Company, Cedar Rapids, Iowa. Coffee. Serial No. 401,713; May 10. Class 46.
Wood, C. D., Electric Company, Inc., New York, N. Y. Plug receptacles, plugs, adapters, etc. Serial No. 404,151; May 10. Class 21.
Wood Newspaper Machinery Corporation, New York, N. Y. Printing machines. Serial No. 389,666; May 10. Class 23.
Wyeth, John, and Brother, Incorporated, Philadelphia, Pa. Medicinal preparation. Serial No. 403,928; May 10. Class 6.
Zenith Radio Corporation, Chicago, Ill. Radio frequency and audio frequency transmitting and receiving apparatus and parts thereof. Serial No. 400,443; May 10. Class 21.
Zenith Radio Corporation, Chicago, Ill. Radio frequency and audio frequency transmitting and receiving apparatus and parts thereof. Serial Nos. 402,042–3; May 10. Class 21.
Zenith Radio Corporation, Chicago, Ill. Radio frequency and audio frequency transmitting and receiving apparatus and parts thereof. Serial No. 402,210; May 10. Class 21.

# LIST OF REGISTRANTS OF TRADE-MARKS

Adams Buckskin Co., Inc., The, Johnstown, N. Y. Leather. 356,792; May 10; Serial No. 400,715; published Mar. 1, 1938. Class 1.
Ajello, A., Incorporated, New York, N. Y. Sportswear. 356,798; May 10; Serial No. 400,894; published Feb. 22, 1938. Class 39.
Aluminum Aircell Insulation Company, Detroit, Mich. Insulation material. 356,840; May 10; Serial No. 401,421; published Mar. 1, 1938. Class 12.
American Colloid Co., Chicago, Ill. Finely divided bentonite. 356,773–4; May 10; Serial Nos. 400,330–1; published Mar. 1, 1938. Class 1.
American Merchandise Co. Inc., New York, N. Y. Hardware and hardware accessories and supplies. 356,778; May 10; Serial No. 400,449; published Mar. 1, 1938. Class 23.
American Safety Razor Corporation, Brooklyn, N. Y. Razors and razor blades. 356,859; May 10. Class 23.
American Sales Book Company, Inc., Niagara Falls and Elmira, N. Y. Record forms. 356,877; May 10; Serial No. 387,532; published Mar. 1, 1938. Class 37.
American Trucking Associations, Inc., Washington, D. C. Publication and pamphlets, booklets, and bulletins. 356,668; May 10; Serial No. 392,183; published Mar. 1, 1938. Class 38.
Anthony, William C., Streator, assignor to Chemical Garden Company, Evanston, Ill. Plant growing tanks, and parts thereof and accessories therefor. 356,692; May 10; Serial No. 393,682; published Mar. 1, 1938. Class 2.
Arbouin Marett & Co., S. A., Cognac, France. Brandy. 356,854; May 10; Serial No. 402,052; published Mar. 1, 1938. Class 49.
Armstrong Cork Products Company, Lancaster, Pa. Gaskets and washers. 356,706; May 10; Serial No. 395,895; published Mar. 1, 1938. Class 35.
Arnold, Hoffman & Co. Incorporated, Providence, R. I. Chemical products. 356,744–50; May 10; Serial Nos. 399,547–53; published Feb. 15, 1938. Class 6.
Aronsohn, S. J., Inc., Paterson, N. J., and New York, N. Y. Silk and artificial silk cloth. 356,849; May 10; Serial No. 401,722; published Mar. 1, 1938. Class 42.
Atlas Tack Corporation, Fairhaven, Mass., and Waterbury, Conn. Furniture nails and gildes. 356,755; May 10; Serial No. 399,877; published Mar. 1, 1938. Class 13.
Bach Pessalator Company, The. (See Bachmann, Robert A.)
Bachmann, Robert A., doing business as The Bach Pessalator Company, New York, N. Y. Pessaries and pessary applicators. 356,862; May 10. Class 44.
Bailey Meter Company, Cleveland, Ohio. Quantity measuring apparatus of flowing fluids. 356,669; May 10; Serial No. 379,866; published June 15, 1937. Class 26.
Balanced Pet Foods Co., Chicago, Ill. Prepared food for domesticated carnivorous animals. 356,686; May 10; Serial No. 391,513; published Mar. 1, 1938. Class 46.
Battle, Martha E., doing business as Mammy Lou Doll Company, Chattanooga, Tenn. Dolls. 356,680; May 10; Serial No. 390,536; published Mar. 1, 1938. Class 22.
Behr, H. C., & C. H. Sweitzer, York, Pa. Rain stockings. 356,782; May 10; Serial No. 400,547; published Feb. 22, 1938. Class 39.
Bell Textile Co., New York, N. Y. Sheets and pillow cases. 356,847; May 10; Serial No. 401,645; published Mar. 1, 1938. Class 42.
Berluti, Hercule R., Saginaw, Mich. Trailer hitches. 356,857; May 10. Class 19.
Bernat, Emile, & Sons Co., Jamaica Plain, Mass. Yarns. 356,697; May 10; Serial No. 394,158; published Feb. 22, 1938. Class 43.
Best, W. N., Engineering Co. Inc., New York, N. Y. Industrial oil, tar, and gas burners, furnaces and heating chambers. 356,694; May 10; Serial No. 393,935; published Mar. 1, 1938. Class 34.
Black & Decker Manufacturing Company, The, Towson, Md. Load indicating mechanisms for vehicles. 356,833; May 10; Serial No. 401,329; published Mar. 1, 1938. Class 26.
Bon-Ton Incorporated, Chicago, Ill. Whiskey. 356,684; May 10; Serial No. 391,306; published Mar. 1, 1938. Class 49.
Brewer-Titchener Corporation, The, Cortland, N. Y. Vehicle chassis and body special brackets, etc. 356,679; May 10; Serial No. 388,763; published Mar. 1, 1938. Class 19.
Burns, Robert P., Los Angeles, Calif. Hair curlers. 356,735; May 10; Serial No. 399,126; published Mar. 1, 1938. Class 40.
Butler Brothers, Chicago, Ill. Hosiery. 121,754; renewed May 28, 1938.
Cannon Laboratories Inc., New York, N. Y. Preparation for a cough and the spasmodic attacks occurring in whooping cough. 356,837; May 10; Serial No. 401,370; published Feb. 22, 1938. Class 6.
Carlson, Ernest J., Reading, Pa. Hair tonics. 356,797; May 10; Serial No. 400,868; published Feb. 22, 1938. Class 6.
Cheescorn Co. of New England, Inc., Boston, Mass. Cheese-flavored pop-corn. 356,865; May 10. Class 46.
Chemical Garden Company. (See Anthony, William C., assignor.)
Chicago Bridge & Iron Works, Chicago, Ill. Flexible metal roofs for storage tanks. 356,731; May 10; Serial No. 398,710; published Feb. 22, 1938. Class 12.
Cifuentes, Pego y Compañia, Habana, Cuba. Cigars. 356,751; May 10; Serial No. 399,595; published Mar. 1, 1938. Class 17.
Citrine Company, The, Toledo, Ohio. Effervescent salts. 356,787; May 10; Serial No. 400,631; published Feb. 22, 1938. Class 6.
Cleans-All Bleach Manufacturing Company. (See Cloutier, L. Philippe.)
Clopay Corporation, Cincinnati, Ohio. Oiled cloth. 356,788; May 10; Serial No. 400,632; published Mar. 1, 1938. Class 20.
Cloutier, L. Philippe, doing business as Cleans-All Bleach Manufacturing Company, Fall River, Mass. Bleach. 356,761; May 10; Serial No. 399,994; published Feb. 22, 1938. Class 6.
Cohen, H., & Bro., New York, N. Y. Sheets and pillow cases. 356,848; May 10; Serial No. 401,666; published Mar. 1, 1938. Class 42.
Collins, Rebecca, Los Angeles, Calif. Salves. 356,675; May 10; Serial No. 386,530; published Feb. 15, 1938. Class 6.
Comision Nacional de Propaganda y Defensa del Tobaco Habano, Habana, Cuba. Cigars and cut tobacco. 356,855; May 10; Serial No. 397,328; published Mar. 1, 1938. Class 17.
Commercial Filters Corporation, Boston, Mass. Filters. 356,830; May 10; Serial No. 401,297; published Mar. 1, 1938. Class 31.
Continental Machine Specialties, Inc., Minneapolis, Minn. Power transmission units or machines. 356,700; May 10; Serial No. 394,584; published Mar. 1, 1938. Class 23.
Cookware Company of America, Hartford, Mich. Base metal cooking hollowware. 356,818; May 10; Serial No. 401,049; published Mar. 1, 1938. Class 13.
Cotton Shop, Inc., The, New York, N. Y. Street dresses, skirts, sweaters, etc. 356,780; May 10; Serial No. 400,495; published Mar. 1, 1938. Class 39.
Country Press, Inc., Greenwich, Conn. Magazines. 356,672; May 10; Serial No. 385,216; published Apr. 20, 1937. Class 38.
Curtis & Spindell. (See Spindell, Isaiah F.)
Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Diesel motors, parts thereof, and accessories thereto. 356,793; May 10; Serial No. 400,722; published Mar. 1, 1938. Class 23.
Davis, A., & Sons, Inc., Jersey City, N. J. Ladies' suits and coats. 356,806; May 10; Serial No. 400,948; published Feb. 22, 1938. Class 39.
Davis, Edna K., St. Louis, Mo. Dictation books. 356,824; May 10; Serial No. 401,241; published Mar. 1, 1938. Class 37.
Denver Fire Clay Company, The, Denver, Colo. Bonding mortar. 356,821; May 10; Serial No. 401,103; published Mar. 1, 1938. Class 12.

De Witt, Marion F., New York, N. Y. Blouses. 356,681; May 10; Serial No. 390,588; published June 15, 1937. Class 39.

Diarsenol Company, Incorporated, Buffalo, N. Y. Preparation of arsenic. 356,740; May 10; Serial No. 390,344; published Feb. 15, 1938. Class 6.

Dick, A. B., Company, Chicago, Ill. Wrappers and wrapper files. 356,730; May 10; Serial No. 398,565; published Mar. 1, 1938. Class 37.

Dick, A. B., Company, Chicago, Ill. Flexible writing plates. 356,815; May 10; Serial No. 401,017; published Mar. 1, 1938. Class 37.

Dies, Angel M., and T. N. May, Mexico, D. F., Mexico. Mechanism for veering automobile headlamps. 356,673; May 10; Serial No. 385,925; published Mar. 1, 1938. Class 19.

Dominion Leather Interlinings Corporation, Limited, Hicksville, N. Y. Sheet leather. 356,707; May 10; Serial No. 396,103; published Mar. 1, 1938. Class 1.

Drushell, J. D. Henry, doing business as J. D. Drushell Company, Chicago, Ill. Vending machines. 356,831; May 10; Serial No. 401,300; published Mar. 1, 1938. Class 23.

Eagle Clothes, New York, N. Y. Men's clothing. 356,845; May 10; Serial No. 401,558; published Mar. 1, 1938. Class 39.

Eastyarn, Inc., Brooklyn, N. Y. Yarns. 356,856; May 10. Class 43.

Elder & Johnston Co., The, Dayton, Ohio. Dresses, coats, suits, etc. 356,606; May 10; Serial No. 394,079; published Aug. 31, 1937. Class 39.

Electrol Incorporated, Clifton, N. J. Domestic oil burners and air conditioning units. 356,762; May 10; Serial No. 400,052; published Mar. 1, 1938. Class 34.

Electrol Incorporated, Clifton, N. J. Domestic oil burners and air conditioning units. 356,763; May 10; Serial No. 400,095; published Mar. 1, 1938. Class 34.

Elk River Coal and Lumber Company, Dundon, W. Va. Lumber. 356,834; May 10; Serial No. 401,340; published Mar. 1, 1938. Class 12.

Elliott, B. K., Company, Pittsburgh, Pa. Tracing paper. 356,807; May 10; Serial No. 400,952; published Mar. 1, 1938. Class 37.

Elliott, B. K., Company, Pittsburgh, Pa. Tracing paper. 356,808; May 10; Serial No. 400,958; published Mar. 1, 1938. Class 37.

Elliott, B. K., Company, Pittsburgh, Pa. Tracing paper and tracing cloth. 356,809; May 10; Serial No. 400,987; published Mar. 1, 1938. Class 37.

Elliott, B. K., Company, Pittsburgh, Pa. Art drawing paper. 356,810; May 10; Serial No. 400,966; published Mar. 1, 1938. Class 37.

Face-O-Lite, Inc., Lincoln, Nebr. Astringent. 356,769; May 10; Serial No. 400,228; published Feb. 15, 1938. Class 6.

Fay Sportswear, Inc., New York, N. Y. Shirts, slacks, shorts, etc. 356,754; May 10; Serial No. 399,796; published Feb. 22, 1938. Class 39.

Finch, Joseph S., and Company, Inc., New York, N. Y., and Schenley, Pa. Whiskey, gin, rum, etc. 356,852; May 10; Serial No. 401,853; published Mar. 1, 1938. Class 49.

Ferry, David, Tobacco Company, York, Pa. Chewing and smoking tobacco. 356,687; May 10; Serial No. 392,018; published Mar. 1, 1938. Class 17.

Fox, Jerry A., doing business as Franklin Laboratories, Flushing, N. Y. Blood tonic. 356,712; May 10; Serial No. 396,955; published Feb. 15, 1938. Class 6.

Franklin Laboratories. (See Fox, Jerry A.)

Gardner Dairy Equipment Corporation, La Porte, Ind. Homogenizers. 356,750; May 10; Serial No. 399,958; published Mar. 1, 1938. Class 23.

Gatterdam, Eugene A., doing business as Vapo-Mist Laboratory, Phoenix, Ariz. Medicinal preparation. 356,699; May 10; Serial No. 394,456; published Aug. 10, 1937. Class 6.

General Manifold and Printing Company, The, Franklin, Pa. Printed forms and interleaved carbon sheets. 356,816; May 10; Serial No. 401,020; published Mar. 1, 1938. Class 37.

Gerrard, S. A., Co., The, Cincinnati, Ohio. Fruits, vegetables, grapes, etc. 356,713; May 10; Serial No. 397,076; published Mar. 1, 1938. Class 46.

Gibbs & Company, Chicago, Ill. Eye-brow pencils. 356,742; May 10; Serial No. 399,448; published Feb. 15, 1938. Class 6.

Glarden, Alfred, doing business as Glarden Importing Co., New York, N. Y. Watches and parts thereof. 356,752; May 10; Serial No. 399,707; published Mar. 1, 1938. Class 27.

Graham Manufacturing Company, Holyoke, Mass. Paper napkins, paper towels, and toilet paper. 356,863–4; May 10. Class 37.

Great Buckeye Candies, Inc., Akron, Ohio. Candy. 356,825; May 10; Serial No. 401,253; published Mar. 1, 1938. Class 46.

Grillo, Jacob, New York, N. Y. Waterproofing compound. 356,719; May 10; Serial No. 397,650; published Feb. 15, 1938. Class 6.

Haddad, John G., doing business as Testo Products, New Orleans, La. Kidney pills. 356,737; May 10; Serial No. 399,274; published Feb. 15, 1938. Class 6.

Haigh, Joseph, to Catherine Haigh, Kansas City, Mo., successor. Medicinal preparations. 121,290; renewed Apr. 23, 1938.

Hampshire Paper Company, Inc., South Hadley Falls, Mass. Printing and writing paper. 356,861; May 10. Class 37.

Harris Laboratories, Inc., The, Tuckahoe, N. Y. Liquid tonic. 356,764; May 10; Serial No. 400,101; published Feb. 15, 1938. Class 6.

Harrison, David A., Boston, Mass. Ladies' full-fashioned hosiery. 356,785; May 10; Serial No. 400,598; published Feb. 22, 1938. Class 39.

Hearst Publications, Incorporated, Los Angeles, Calif. Newspaper column. 356,766; May 10; Serial No. 400,163; published Feb. 22, 1938. Class 38.

Helms Bakeries, Los Angeles, Calif. Bakery goods. 356,709–10; May 10; Serial Nos. 396,916–7; published Mar. 1, 1938. Class 46.

Hill, F. H., Company, Inc., Cleveland, Ohio. Burial caskets and parts thereof. 356,826; May 10; Serial No. 401,261; published Mar. 1, 1938. Class 2.

Holloway, L. E., doing business as L. E. Holloway & Co., Leesburg, Fla., and Atlanta, Ga. Canned citrus juices. 356,860; May 10. Class 46.

Hunt Brothers Packing Co., San Francisco, Calif. Canned fruit juices. 356,732; May 10; Serial No. 398,904; published Mar. 1, 1938. Class 46.

Imperial Undergarment Co., New York, N. Y. Negligees, slips, bloomers, etc. 356,838; May 10; Serial No. 401,387; published Mar. 1, 1938. Class 39.

International Longshoremans Association, Buffalo, to International Longshoremen's Association, New York, N. Y. Printed books, pamphlets, periodicals. 122,070; renewed Oct. 1, 1938.

Iodine Products Co., Philadelphia, Pa. Iodine compound. 356,760; May 10; Serial No. 399,985; published Feb. 15, 1938. Class 6.

Irwin, James B., Coral Gables, Fla. Chemical fluids. 356,714; May 10; Serial No. 397,116; published Feb. 15, 1938. Class 6.

James, F. T., Company, Ltd., The, Toronto, Ontario, Canada. Cooked fish. 356,682; May 10; Serial No. 390,854; published June 29, 1937. Class 46.

Kats Drug Company, Kansas City, Mo. Deodorant, antiseptic, and germicide preparations. 356,822; May 10; Serial No. 401,147; published Feb. 22, 1938. Class 6.

Kenite Laboratory, Inc., New York, N. Y. Pipe thread compound. 356,771; May 10; Serial No. 400,306; published Feb. 22, 1938. Class 12.

King Features Syndicate, Inc., New York, N. Y. Cartoons. 356,811; May 10; Serial No. 400,976; published Mar. 1, 1938. Class 38.

King Kone Corporation, New York, N. Y. Crackers. 356,690; May 10; Serial No. 392,801; published Mar. 1, 1938. Class 46.

Kistler, Don D., doing business as Monarch Distributing Co., Los Angeles, Calif. Cocoa, hot chocolate powder, jams, etc. 356,674; May 10; Serial No. 386,259; published Mar. 1, 1938. Class 46.

Klaes, John F., doing business as ZAR Company, Denver, Colo. Preparation for dandruff, falling hair, etc. 356,705; May 10; Serial No. 395,781; published Feb. 15, 1938. Class 6.

Kotkes, W. & Son, New York, N. Y. House dresses and nurses' and maids' uniforms. 356,799; May 10; Serial No. 400,912; published Mar. 1, 1938. Class 39.

Kresge Department Store, assignor to S. S. Kresge, trading as Kresge Department Store, Newark, N. J. Hand bags, portfolios, brief cases, etc. 356,772; May 10; Serial No. 400,312; published Mar. 1, 1938. Class 3.

Kress, S. H., and Company, New York, N. Y. Hosiery. 356,718; May 10; Serial No. 397,610; published Feb. 22, 1938. Class 39.

Kress, S. H., and Company, New York, N. Y. Hosiery, socks, and anklets. 356,720; May 10; Serial No. 397,670; published Feb. 22, 1938. Class 39.

Kute Kiddies Headwear Inc., New York, N. Y. Children's clothing. 356,729; May 10; Serial No. 398,541; published Feb. 22, 1938. Class 39.

Lane, Leonard L., Washington, D. C. Tires. 356,736; May 10; Serial No. 399,219; published Mar. 1, 1938. Class 35.

Lever Brothers Company, Cambridge, Mass. Vegetable shortening. 356,841; May 10; Serial No. 401,440; published Mar. 1, 1938. Class 46.

Levering, Eugene, Jr., assignor to The Levering Coffee Company, Baltimore, Md. Tea. 122,648–9; renewed Sept. 3, 1938.

Libby, McNeill & Libby, Chicago, Ill. Canned beef. 121,559; renewed May 7, 1938.

Loewenberg, Fritz, New York, N. Y. Exposure meters. 356,835; May 10; Serial No. 401,244; published Mar. 1, 1938. Class 26.

Long Island Macaroni Co. Inc., Long Island City, N. Y. Alimentary pastes. 356,726; May 10; Serial No. 398,208; published Mar. 1, 1938. Class 46.

Los Angeles Soap Co., Los Angeles, Calif. Cold cream, cleansing cream, nourishing cream, etc. 356,689; May 10; Serial No. 392,229; published June 29, 1937. Class 6.

Lowenbaum, R., Manufacturing Co., St. Louis, Mo. Frocks and house and street dresses. 356,617; May 10; Serial No. 401,026; published Feb. 22, 1938. Class 39.

Luesthers, Nast & Co., Inc., New York, N. Y. Shirts, coats, and jackets. 356,765; May 10; Serial No. 400,113; published Feb. 8, 1938. Class 39.



Mabley and Carew Company, The, Cincinnati, Ohio. Shirts. 356,836; May 10; Serial No. 401,346; published Mar. 1, 1938. Class 39.

Macy, R. H., & Co., Inc., New York, N. Y. Acetone, agar agar, rubbing alcohol, etc. 356,770; May 10; Serial No. 400,240; published Feb. 22, 1938. Class 6.

Mammy Lou Doll Company. (See Battle, Martha E.)

Manville Jenckes Corporation, Manville, R. I. Men's suits. 356,671; May 10; Serial No. 385,004; published Mar. 1, 1938. Class 39.

Martin and Dalton Druggists, Tallahassee, Fla. Medicinal preparation. 356,691; May 10; Serial No. 393,607; published Feb. 15, 1938. Class 6.

Martin, Charles H., doing business as The Martin Timing Devices Company, Springfield, Mass. Parking meters. 356,727; May 10; Serial No. 398,863; published Feb. 1, 1938. Class 26.

May, Trude Neuhaus. (See Dies, Angel M., and Trude Neuhaus May.)

McAlester Fuel Company, The, McAlester, Okla., and Kansas City, Mo. Coal. 356,796; May 10; Serial No. 400,846; published Mar. 1, 1938. Class 1.

McClure, Arthur F., doing business as The Supertol Products Co., Leavenworth, Kans. Arterial embalming fluid, embalmers, chemicals, etc. 356,716; May 10; Serial No. 397,337; published Feb. 15, 1938. Class 6.

McKay, David, Company, Philadelphia, Pa. Publication. 356,812; May 10; Serial No. 400,983; published Mar. 1, 1938. Class 38.

McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Milk of magnesia, bandoline, glycerine suppositories, etc. 356,743; May 10; Serial No. 399,506; published Feb. 22, 1938. Class 6.

McNaney, Edward T., doing business as The Modern Games Mfg. Co., Catonsville, Md. Board games. 356,850; May 10; Serial No. 401,784; published Mar. 1, 1938. Class 22.

Mead, Sterling V., doing business as Sunnymead Gardens, Auburndale, Fla. Fresh citrous fruits and tropical or semi-tropical fruits. 356,724; May 10; Serial No. 397,979; published Feb. 8, 1938. Class 46.

Medicinal Research Laboratories, Philadelphia, Pa. Preparation used in the treatment of whooping cough, bronchitis, etc. 356,741; May 10; Serial No. 399,419; published Feb. 15, 1938. Class 6.

Melchior, Armstrong, Dessau Co. of Delaware, Inc., New York, N. Y. Air conditioning units. 356,767; May 10; Serial No. 400,166; published Mar. 1, 1938. Class 34.

Merrell, Wm. S., Company, The, Cincinnati, Ohio, assignor, by mesne assignments, to The Wm. S. Merrell Company. Cascara emulsion preparation. 356,678; May 10; Serial No. 388,583; published Apr. 13, 1937. Class 6.

Merritt, Crawford F., Glencoe, Ill. Beverage. 356,851; May 10; Serial No. 401,832; published Mar. 1, 1938. Class 45.

Mikolite Company, Kansas City, Mo. Heat insulating material. 356,695; May 10; Serial No. 394,044; published Mar. 1, 1938. Class 12.

Miller-Smith Hosiery Mills, Chattanooga, Tenn. Hosiery. 356,733; May 10; Serial No. 398,922; published Feb. 22, 1938. Class 39.

Minchenberg, David, New York, N. Y. Dressed, blouses, culottes, etc. 356,813; May 10; Serial No. 400,986; published Feb. 22, 1938. Class 39.

Modern Games Mfg. Co., The. (See McNaney, Edward T.)

Monarch Distributing Co. (See Kistler, Don D.)

Morrell, John, & Co., Ottumwa, Iowa. Hams. 356,791; May 10; Serial No. 400,696; published Mar. 1, 1938. Class 46.

Morse Chain Co., Ithaca, N. Y., and Detroit, Mich. Drive chain. 356,722; May 10; Serial No. 397,860; published Mar. 1, 1938. Class 13.

Moyer Manufacturing Company, The, Youngstown, Ohio. Slacks. 356,783; May 10; Serial No. 400,567; published Feb. 22, 1938. Class 39.

Munising Paper Company, The, Chicago, Ill. Paper. 356,789; May 10; Serial No. 400,669; published Mar. 1, 1938. Class 37.

Nassau Pen and Pencil Corporation, New York, N. Y. Mechanical pencils and pens and parts thereof. 356,779; May 10; Serial No. 400,464; published Mar. 1, 1938. Class 37.

National Department Stores Management & Buying Corporation, New York, N. Y. Women's and misses' hats, coats, dresses, etc. 356,715; May 10; Serial No. 397,142; published Jan. 11, 1938. Class 39.

National Fireworks Distributing Co., The, Boston, Mass. Toy torpedo. 122,225; renewed July 9, 1938.

National League of Women Voters, Washington, D. C. Educational publications. 356,795; May 10; Serial No. 400,787; published Mar. 1, 1938. Class 38.

New Process Company, Warren, Pa. Perfumes. 356,839; May 10; Serial No. 401,397; published Feb. 22, 1938. Class 6.

Northern Paper Mills, Green Bay, Wis. Paper napkins. 356,820; May 10; Serial No. 401,094; published Mar. 1, 1938. Class 37.

Ogren, Otto, Des Moines, Iowa. Pencil holders with detachable pencils. 356,683; May 10; Serial No. 391,192; published Mar. 1, 1938. Class 37.

Oviatt's Inc., Los Angeles, Calif. Outer shirts, pajamas, and coats. 356,703; May 10; Serial No. 395,430; published Feb. 22, 1938. Class 39.

Paragon Knitting Mills, Philadelphia, Pa. Knitted sweaters for men, boys, and children. 356,784; May 10; Serial No. 400,568; published Feb. 22, 1938. Class 39.

Parke, Davis & Company, Detroit, Mich. Extract obtained from stomach tissue combined with iron and vitamin B. 356,781; May 10; Serial No. 400,525; published Feb. 22, 1938. Class 6.

Pasco Packing Association, Dade City, Fla. Fresh citrus fruits. 356,853; May 10; Serial No. 402,017; published Mar. 1, 1938. Class 46.

Peerless Laboratories, Inc., New York, N. Y. Electrotherapeutic apparatus. 356,832; May 10; Serial No. 401,315; published Mar. 1, 1938. Class 44.

Pepsi-Cola Company, Long Island City, N. Y. Wooden receptacles and cases and racks. 356,723; May 10; Serial No. 397,909; published Mar. 1, 1938. Class 2.

Presstite Engineering Company, St. Louis, Mo. Sealing material for mechanical joints and the like. 356,814; May 10; Serial No. 400,996; published Mar. 1, 1938. Class 12.

Pruskauer, Manny. (See Vicmore Fur Co., Inc., assignor.)

Public Ledger, Inc., Philadelphia, Pa. Newspaper syndicated feature. 356,800; May 10; Serial No. 400,924; published Mar. 1, 1938. Class 38.

Raab-Meyerhoff, M. H., Co., Inc., Philadelphia, Pa. Dress shirts. 356,739; May 10; Serial No. 399,328; published Feb. 22, 1938. Class 39.

Ranier Products Company, Seattle, Wash., assignor, by mesne assignments, to Ranier Brewing Company, Inc., San Francisco, Calif. Beverages. 121,653; renewed May 14, 1938.

Remington Rand Inc. (See Standard Typewriter Manufacturing Company, assignor.)

Renart Sportswear Corp., New York, N. Y. Knitted wear. 356,734; May 10; Serial No. 399,011; published Mar. 1, 1938. Class 39.

Richmond, Henry, & Sons Limited, Leeds, England. Malleable-iron boot-protectors, hob-nails and boot-studs. 121,497; renewed Apr. 30, 1938.

Robinson, Walter W., Anniston, Ala. Thermostats. 356,777; May 10; Serial No. 400,438; published Mar. 1, 1938. Class 26.

Roe, A. V., & Co. Ltd., Manchester, to A. V. Roe & Co. Limited, Manchester and London, England. Aeroplanes. 122,103; renewed June 25, 1938.

Schaeffer Garment Co., Incorporated, The, Covington, Ky. Women's suits and coats. 356,823; May 10; Serial No. 401,163; published Feb. 22, 1938. Class 39.

Sewell Manufacturing Company, Bremen, Ga. Suits. 356,693; May 10; Serial No. 393,822; published Feb. 22, 1938. Class 39.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Biological antigenic preparations. 356,676; May 10; Serial No. 387,290; published Feb. 15, 1938. Class 6.

Shaw, Clarence E., Pittsburgh, Pa. Medicinal compounds. 356,753; May 10; Serial No. 399,778; published Feb. 15, 1938. Class 6.

Shulton, Inc., New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. 356,801–2; May 10; Serial Nos. 400,929–30; published Feb. 22, 1938. Class 6.

Shulton, Inc., New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. 356,803; May 10; Serial No. 400,932; published Feb. 22, 1938. Class 6.

Shulton, Inc., New York, N. Y. Saponaceous compounds, shaving cream, shaving sticks, etc. 356,804; May 10; Serial No. 400,934; published Mar. 1, 1938. Class 4.

Shulton, Inc., New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. 356,805; May 10; Serial No. 400,936; published Feb. 22, 1938. Class 6.

Siegel-Lyttle, Inc., New York, N. Y. Dresses, suits, coats, etc. 356,842–3; May 10; Serial Nos. 401,451–2; published Mar. 1, 1938. Class 39.

Slipco, Shelton, Conn. Slips. 356,794; May 10; Serial No. 400,736; published Feb. 22, 1938. Class 39.

Smi-Lax Medicine Co. (See Smith, Leon.)

Smith & Horton Co. Limited, to Smith & Horton Co., Warren, Pa., successor. Foods. 121,666; renewed May 14, 1938.

Smith, Josephine B., Dallas, Tex. Chewing gum. 356,790; May 10; Serial No. 400,670; published Mar. 1, 1938. Class 46.

Smith, Leon, doing business as Smi-Lax Medicine Co., Kannapolis, N. C. Tonic and laxative compound. 356,778; May 10; Serial No. 400,397; published Feb. 22, 1938. Class 6.

Smith Manufacturing Company, Utica, N. Y. Household spray and insecticide, deodorizer, etc. 356,698; May 10; Serial No. 394,435; published Feb. 15, 1938. Class 6.

Society of Chemical Industry in Basle, Basel, Switzerland. Pharmaceutical preparation. 121,219; renewed Apr. 16, 1938.

Spindell, Isaiah F., doing business as Curtis & Spindell, Lynn, Mass. Elastic stockings. 356,702; May 10; Serial No. 395,360; published Mar. 1, 1938. Class 44.

Staedtler, J. S., Nuremberg, Germany. Pencils, pens, ink, etc. 356,708; May 10; Serial No. 396,697; published Mar. 1, 1938. Class 37.

Standard Typewriter Manufacturing Company, New York, assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Type-writing machines. 15,357; re-renewed Apr. 10, 1938.
Standard Typewriter Manufacturing Company, New York, assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Type-writing machines. 15,375–6; re-renewed Apr. 17, 1938.
Standard Water Systems Co., The, Hampton, N. J. Distilled water. 121,350; renewed Apr. 22, 1938.
Steele, J. W., & Co., North Kansas City, Mo. Collar supporting, reinforcing, and holding devices. 356,627; May 10; Serial No. 401,279; published Mar. 1, 1938. Class 37.
Stettenberg, Louis, Long Beach, Calif. Window sash. 356,711; May 10; Serial No. 396,936; published Mar. 1, 1938. Class 12.
Strauss, Levi, & Company, San Francisco, Calif. Overalls. 356,701; May 10; Serial No. 394,734; published Mar. 1, 1938. Class 39.
Sunnymead Gardens. (See Mead, Sterling V.)
Supertel Products Co., The. (See McClure, Arthur F.)
Susquehanna Waist Company, Philadelphia, Pa. Ladies' blouses. 356,775; May 10; Serial No. 400,391; published Mar. 1, 1938. Class 39.
Testo Products. (See Haddad, John G.)
Thomas, Chester L., Denver, Colo. Feather material. 356,828; May 10; Serial No. 401,283; published Mar. 1, 1938. Class 1.
Thomas Publishing Company, New York, N. Y. Annual publications. 356,819; May 10; Serial No. 401,081; published Mar. 1, 1938. Class 38.
Tiproff Patent Seal Company, Limited, Auckland, New Zealand. Capsules. 356,725; May 10; Serial No. 396,134; published Mar. 1, 1938. Class 50.
United Factories, Inc., Kansas City, Mo. Ground vermiculite paste for sealing pistons. 356,858; May 10. Class 35.
United States Gypsum Company, Chicago, Ill. Asphalt shingles. 356,668; May 10; Serial No. 374,104; published Mar. 1, 1938. Class 12.
U. S. Ring Traveler Co., Providence, R. I. Ring travelers. 356,829; May 10; Serial No. 401,286; published Mar. 1, 1938. Class 23.
Utah Gilsonite Company, St. Louis, Mo. Gilsonite. 356,844; May 10; Serial No. 401,457; published Mar. 1, 1938. Class 1.
Van Patten, Louis C., Cheney, Wash. Waterproofing preparation. 356,685; May 10; Serial No. 391,361; published July 27, 1937. Class 6.
Vapo-Efrin Company, Inc., Portland, Oreg. Medicinal preparation. 356,717; May 10; Serial No. 397,560; published Nov. 23, 1937. Class 6.
Vapo-Mist Laboratory. (See Gatterdam, Eugene A.)
Velveray Corporation of America, New York, N. Y. Textile fabrics. 356,756; May 10; Serial No. 399,909; published Mar. 1, 1938. Class 42.
Velveray Corporation of America, New York, N. Y. Textile fabrics. 356,757; May 10; Serial No. 399,911; published Mar. 1, 1938. Class 42.
Velveray Corporation of America, New York, N. Y. Textile fabrics. 356,758; May 10; Serial No. 399,913; published Mar. 1, 1938. Class 42.
Vickers, Incorporated, Detroit, Mich. Pumps, hydraulic presses, machine tools, etc. 356,666; May 10; Serial No. 352,805; published June 9, 1936. Class 23.
Vicmore Fur Co., Inc., Middletown, Del., and New York, N. Y., assignor to M. Pruskauer, Chicago, Ill. Dyed coney fur coats. 356,670; May 10; Serial No. 383,608; published Apr. 13, 1937. Class 39.
Walgreen Co., Chicago, Ill. Medicine. 356,738; May 10; Serial No. 399,281; published Feb. 15, 1938. Class 6.
Waltham Bag & Paper Company, Waltham, Mass. Paper bags and paper boxes. 121,739; renewed May 21, 1938.
Ware Valley Manufacturing Co., Inc., Ware, Mass., and New York, N. Y. Knitted underwear for men and boys. 356,721; May 10; Serial No. 397,604; published Feb. 22, 1938. Class 39.
Warren Woolen Mills, Stafford Springs, Conn. Woolen fabrics. 356,768; May 10; Serial No. 400,213; published Mar. 1, 1938. Class 42.
Waverly Growers Cooperative, Waverly, Fla. Fresh citrus fruits. 356,846; May 10; Serial No. 401,630; published Mar. 1, 1938. Class 46.
Western Grocer Company, Oskaloosa, to Western Grocer Company, Marshalltown, Iowa. Foods. 121,679; renewed May 14, 1938.
Willson, T. A., & Co., Inc., Reading, Pa., now by change of name Willson Products, Inc. Eyeglasses. 121,994; renewed June 11, 1938.
Winn, Relia, New York, N. Y. Facial creams. 356,728; May 10; Serial No. 398,380; published Feb. 15, 1938. Class 6.
World's Dispensary Medical Association, Buffalo, N. Y. Tonic for the blood. 123,007; renewed Oct. 1, 1938.
Younghusband, James L., Chicago, Ill. Eyelash and eyebrow mascara. 356,667; May 10; Serial No. 360,814; published Apr. 2, 1935. Class 6.
ZAR Company. (See Klaes, John F.)
Zenith Products Co., Wellsville, Ohio. Medicated shampoo for dogs. 356,786; May 10; Serial No. 400,627; published Feb. 22, 1938. Class 6.
Zieve, Rimal, doing business as The Zieve Nectar Co., Minneapolis, Minn. Fruit and vegetable compound for flavoring soft drinks. 356,704; May 10; Serial No. 395,441; published Mar. 1, 1938. Class 45.

## LIST OF REGISTRANTS OF LABELS

Banes, James K., doing business as Banes Laboratory, Los Angeles, Calif. Derma-Pine Spray. For Spray for Control of Fleas, Lice, Mites and Other Pests on Dogs and Cats. 51,090; May 10.
Calvert Hats, Inc., Baltimore, Md. Calvert. For Men's Hats. 51,091; May 10.
Clayton, A. C., Printing Co., St. Louis, Mo. Fine Footwear. For Footwear. 51,092–3; May 10.
Cream of Wheat Corporation, The, Minneapolis, Minn. Cooky Croc Cookie Mix. For Prepared Mixture for Making Cookies. 51,094; May 10.
Falke, Paul, Weehawken, N. J. Falcon's Eyes Safety Light. For Safety Lights. 51,095; May 10.
Fish, L., Furniture Company, The, Chicago, Ill. Restmore. For Studio Couches. 51,096; May 10.
Fish, L., Furniture Company, The, Chicago, Ill. Restmore. For Mattresses. 51,097; May 10.
Illes, A. E., doing business as A. E. Illes Company, Dallas, Tex. Texanilla. For an Imitation Vanilla Concentrate Colored with Caramel. 51,098; May 10.
Lee, H. D., Mercantile Company, The, Kansas City, Mo. Lee Cowboy Pants. For Cowboy Pants. 51,099; May 10.
Menasha Products Company, Menasha, Wis. Sweet Cream Fall's Butter. For Butter. 51,100; May 10.
Oh Henry Company. (See Trautman, Henry E.)
Russell, Wade, Dallas, Tex. Burger Maid. For Sandwiches. 51,101; May 10.
Schwartzberg, Louis, Chicago, Ill. House Egg Carton. For Egg Cartons. 51,102; May 10.
Skinner, Lloyd M., doing business as Skinner Manufacturing Company, Omaha, Nebr. Raisin-Bran. For Whole Wheat with Raisins, Bran, and Salt Added. 51,103; May 10.
Standard Brands Incorporated, New York, N. Y. Chase and Sanborn Dated. For Coffee. 51,104; May 10.
Standard Brands Incorporated, New York, N. Y. Fleischmann's. For Yeast. 51,105; May 10.
Stanton Brewery, Inc., The, Troy, N. Y. Stanton Olden Ale. For Ale. 51,106; May 10.
Sunrise Brewing Co., The, Cleveland, Ohio. Tip Top Bohemian Brand. For Beer. 51,107; May 10.
Sunrise Brewing Co., The, Cleveland, Ohio. Cheerie English Brand. For Ale. 51,108; May 10.
Trautman, Henry E., doing business as Oh Henry Company, New York, N. Y. Oh Henry! For Tomato Ketchup. 51,109; May 10.
Turner, D. Walter, doing business as The Walter Turner Coffee Co., Lenoir, N. C. Million Dollar. For Coffee and Chicory. 51,110; May 10.
Washington Wholesale Liquor Corporation, Washington, D. C. Golden Miller. For Straight Rye Whiskey. 51,111; May 10.
Washington Wholesale Liquor Corporation, Washington, D. C. Robert Morris. For Kentucky Straight Bourbon Whiskey. 51,112; May 10.
Wilbur & Williams Company, The, Boston, Mass. Totrust. For Rust Preventive Paint. 51,113; May 10.

## LIST OF REGISTRANTS OF PRINTS

Bates, H., Co., Inc., New York, N. Y. It's the Nets by Bates that Catch the Profits. For Nets. 16,810; May 10.
Catholic Press Union, Incorporated, The, Cleveland, Ohio. Catholic Quality Weeklies. For Catholic Newspapers. 16,811; May 10.
Cogsdill Twist Drill Company, Inc., Detroit, Mich. Drill Sharpening Protractor. For Twist Drills. 16,812; May 10.
Cream of Wheat Corporation, The, Minneapolis, Minn. Babies Thrive on this First Solid Food—It's Perfectly Digestible! For Wheat Breakfast Food. 16,813; May 10.



Deauville Specialty Corporation, New York, N. Y. Blinkers. For Sunglasses. 16,814; May 10.
General Mills, Inc., Minneapolis, Minn. A Gift for Boys and Girls Jack Armstrong's Explorer Telescope. For Cereal Food. 16,815; May 10.
Lo-Ru-Je Company. (See Williams, Mary F.)
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 4611. For Beer. 16,816; May 10.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 4604. For Beer. 16,817; May 10.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 4606. For Beer. 16,818; May 10.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 4607. For Beer. 16,819; May 10.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 4610. For Beer. 16,820; May 10.
Premier-Pabst Sales Co., Peoria Heights, Ill. Pabst Good Taste for 94 Years, Ad. No. 4600. For Beer. 16,821; May 10.
Williams, Mary F., doing business as Lo-Ru-Je Company, Charleston, W. Va., and Washington, D. C. Lo-Ru-Je. For a Skin Conditioner. 16,822; May 10.
Zenith Products Co., Wellsville, Ohio. Keeps Them Healthy. For Condition Capsules, Pine Oil Disinfectant, Shampoo and Sprayers. 16,823; May 10.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED

### CLASS 1

Bentonite. Finely divided. American Colloid Co. 356,773–4; May 10; Serial Nos. 400,330–1; published Mar. 1, 1938.
Coal. McAlester Fuel Company. 356,796; May 10; Serial No. 400,846; published Mar. 1, 1938.
Feather material. C. L. Thomas. 356,828; May 10; Serial No. 401,283; published Mar. 1, 1938.
Gilsonite. Utah Gilsonite Company. 356,844; May 10; Serial No. 401,457; published Mar. 1, 1938.
Leather. Adams Buckskin Co. 356,792; May 10; Serial No. 400,715; published Mar. 1, 1938.
Leather, Sheet. Dominion Leather Interlinings Corporation. 356,707; May 10; Serial No. 396,103; published Mar. 1, 1938.

### CLASS 2

Bags and paper boxes, Paper. Waltham Bag & Paper Company. 121,739; renewed May 21, 1938.
Caskets and parts thereof, Burial. F. H. Hill Company. 356,826; May 10; Serial No. 401,261; published Mar. 1, 1938.
Receptacles and cases and racks, Wooden. Pepsi-Cola Company. 356,723; May 10; Serial No. 397,909; published Mar. 1, 1938.
Tanks, and parts thereof and accessories therefor, Plant growing. W. C. Anthony. 356,692; May 10; Serial No. 393,682; published Mar. 1, 1938.

### CLASS 3

Hand bags, portfolios, brief cases, etc. Kresge Department Store, Newark. 356,772; May 10; Serial No. 400,312; published Mar. 1, 1938.

### CLASS 4

Saponaceous compounds, shaving cream, shaving sticks, etc. Shulton, Inc. 356,804; May 10; Serial No. 400,934; published Mar. 1, 1938.

### CLASS 6

Acetone, agar agar, rubbing alcohol, etc. R. H. Macy & Co. 356,770; May 10; Serial No. 400,240; published Feb. 22, 1938.
Antigenic preparations, Biological. Sharp & Dohme, Incorporated. 356,676; May 10; Serial No. 387,290; published Feb. 15, 1938.
Arsenic, Preparation of. Diarsenol Company. 356,740; May 10; Serial No. 399,344; published Feb. 15, 1938.
Astringent. Face-O-Lite, Inc. 356,799; May 10; Serial No. 400,228; published Feb. 15, 1938.
Astringents, astringent cerates, bleach and beauty creams, etc. Shulton, Inc. 356,801–2; May 10; Serial Nos. 400,929–30; published Feb. 22, 1938.
Astringents, astringent cerates, bleach and beauty creams, etc. Shulton, Inc. 356,803; May 10; Serial No. 400,932; published Feb. 22, 1938.
Astringents, astringent cerates, bleach and beauty creams, etc. Shulton, Inc. 356,805; May 10; Serial No. 400,936; published Feb. 22, 1938.
Bleach. L. P. Cloutier. 356,761; May 10; Serial No. 399,994; published Feb. 22, 1938.
Cascara emulsion preparation. Wm. S. Merrell Company. 356,678; May 10; Serial No. 388,563; published Apr. 13, 1937.
Chemical fluids. J. B. Irwin. 356,714; May 10; Serial No. 397,116; published Feb. 15, 1938.
Chemical products. Arnold, Hoffman & Co. Incorporated. 356,744–50; May 10; Serial Nos. 399,547–53; published Feb. 15, 1938.
Cream, cleansing cream, nourishing cream, etc., Cold. Los Angeles Soap Co. 356,689; May 10; Serial No. 392,229; published June 29, 1937.
Creams, Facial. R. Winn. 356,728; May 10; Serial No. 398,380; published Feb. 15, 1938.
Deodorant, antiseptic, and germicide preparations. Katz Drug Company. 356,822; May 10; Serial No. 401,147; published Feb. 22, 1938.
Embalming fluid, embalmers' chemicals, etc., Arterial. A. F. McClure. 356,716; May 10; Serial No. 397,337; published Feb. 15, 1938.
Extract obtained from stomach tissue combined with iron and vitamin B. Parke, Davis & Company. 356,781; May 10; Serial No. 400,525; published Feb. 22, 1938.
Eye-brow pencils. Gibbs & Company. 356,742; May 10; Serial No. 399,448; published Feb. 15, 1938.
Iodine compound. Iodine Products Co. 356,760; May 10; Serial No. 399,985; published Feb. 15, 1938.
Mascara, Eyelash and eyebrow. J. L. Younghusband. 356,667; May 10; Serial No. 360,814; published Apr. 2, 1935.
Medicinal compounds. C. E. Shaw. 356,753; May 10; Serial No. 399,778; published Feb. 15, 1938.
Medicinal preparation. E. A. Gatterdam. 356,699; May 10; Serial No. 394,456; published Aug. 10, 1937.
Medicinal preparation. Martin and Dalton Druggists. 356,691; May 10; Serial No. 393,607; published Feb. 15, 1938.
Medicinal preparation. Vapo-Efrin Company. 356,717; May 10; Serial No. 397,560; published Nov. 23, 1937.
Medicinal preparations. J. Haigh. 121,200; renewed Apr. 23, 1938.
Medicine. Walgreen Co. 356,738; May 10; Serial No. 399,281; published Feb. 15, 1938.
Milk of magnesia, bandoline, glycerine suppositories, etc. McKesson & Robbins, Incorporated. 356,743; May 10; Serial No. 399,508; published Feb. 22, 1938.
Perfumes. New Process Company. 356,839; May 10; Serial No. 401,397; published Feb. 22, 1938.
Pharmaceutical preparation. Society of Chemical Industry in Basle. 121,219; renewed Apr. 16, 1938.
Pills, Kidney. J. G. Haddad. 356,737; May 10; Serial No. 399,274; published Feb. 15, 1938.
Preparation for a cough and the spasmodic attacks occurring in whooping cough. Cannon Laboratories Inc. 356,837; May 19; Serial No. 401,370; published Feb. 22, 1938.
Preparation for treatment of dandruff, falling hair, etc. J. F. Klaes. 356,705; May 10; Serial No. 395,781; published Feb. 15, 1938.
Preparation used in the treatment of whooping cough, bronchitis, etc. Medicinal Research Laboratories. 356,741; May 10; Serial No. 399,419; published Feb. 15, 1938.
Salts, Effervescent. Citrine Company. 356,787; May 10; Serial No. 400,631; published Feb. 22, 1938.
Salves. R. Collins. 356,675; May 10; Serial No. 386,530; published Feb. 15, 1938.
Shampoo for dogs, Medicated. Zenith Products Co. 356,786; May 10; Serial No. 400,627; published Feb. 22, 1938.
Spray, Insecticide, deodorant, etc., Household. Smith Manufacturing Company. 356,698; May 10; Serial No. 394,435; published Feb. 15, 1938.
Tonic and laxative compound. L. Smith. 356,776; May 10; Serial No. 400,397; published Feb. 22, 1938.
Tonic, Blood. J. A. Fox. 356,712; May 10; Serial No. 396,955; published Feb. 15, 1938.
Tonic for the blood. World's Dispensary Medical Association. 123,007; renewed Oct. 1, 1938.
Tonic, Liquid. Harris Laboratories, Inc. 356,764; May 10; Serial No. 400,101; published Feb. 15, 1938.
Tonics, Hair. E. J. Carlson. 356,797; May 10; Serial No. 400,868; published Feb. 22, 1938.
Waterproofing compound. J. Griffel. 356,719; May 10; Serial No. 397,659; published Feb. 15, 1938.
Waterproofing preparation. L. C. Van Patten. 356,685; May 10; Serial No. 391,361; published July 27, 1937.

### CLASS 9

Torpedo, Toy. National Fireworks Distributing Co. 122,225; renewed July 9, 1938.

### CLASS 12

Heat insulating material. Mikolite Company. 356,695; May 10; Serial No. 394,044; published Mar. 1, 1938.
Insulation material. Aluminum Aircell Insulating Company. 356,840; May 10; Serial No. 401,421; published Mar. 1, 1938.
Lumber. Elk River Coal and Lumber Company. 356,834; May 10; Serial No. 401,340; published Mar. 1, 1938.
Mortar, Bonding. Denver Fire Clay Company. 356,821; May 10; Serial No. 401,103; published Mar. 1, 1938.

Pipe thread compounds. Kenite Laboratory, Inc. 356,771; May 10; Serial No. 400,306; published Feb. 22, 1938.
Roofs for storage tanks. Flexible metal. Chicago Bridge & Iron Works. 356,731; May 10; Serial No. 398,710; published Feb. 22, 1938.
Sash, Window. L. Stoltenberg. 356,711; May 10; Serial No. 396,936; published Mar. 1, 1938.
Sealing material for mechanical joints and the like. Presstite Engineering Company. 356,814; May 10; Serial No. 400,996; published Mar. 1, 1938.
Shingles, Asphalt. United States Gypsum Company. 356,668; May 10; Serial No. 374,104; published Mar. 1, 1938.

CLASS 13

Boot-protectors, hob-nails, and boot-studs, Malleable-iron. Henry Richmond & Sons Limited. 121,497; renewed Apr. 20, 1938.
Chains, Drive. Morse Chain Co. 356,722; May 10; Serial No. 397,360; published Mar. 1, 1938.
Hollowware, Base metal cooking. Cookware Company of America. 356,818; May 10; Serial No. 401,049; published Mar. 1, 1938.
Nails and glides, Furniture. Atlas Tack Corporation. 356,755; May 10; Serial No. 399,877; published Mar. 1, 1938.

CLASS 17

Cigars. Cifuentes, Pego y Compañia. 356,751; May 10; Serial No. 399,595; published Mar. 1, 1938.
Cigars and cut tobacco. Comision Nacional de Propaganda y Defensa del Tobaco Habano. 356,855; May 10; Serial No. 397,328; published Mar. 1, 1938.
Tobacco, Chewing and smoking. David Forry Tobacco Company. 356,687; May 10; Serial No. 392,018; published Mar. 1, 1938.

CLASS 19

Aeroplanes. A. V. Roe & Co. Ltd. 122,103; renewed June 25, 1938.
Hitches, Trailer. E. R. Berluti. 356,857; May 10.
Mechanism for veering automobile headlamps. Angel M. Dies and Trude Neuhaus May. 356,673; May 10; Serial No. 385,925; published Mar. 1, 1938.
Vehicle chassis and body special brackets, etc. Brewer-Titchener Corporation. 356,679; May 10; Serial No. 388,763; published Mar. 1, 1938.

CLASS 20

Oiled cloth. Clopay Corporation. 356,788; May 10; Serial No. 400,632; published Mar. 1, 1938.

CLASS 22

Dolls. M. E. Battle. 356,680; May 10; Serial No. 390,536; published Mar. 1, 1938.
Games, Board. E. T. McNaney. 356,850; May 10; Serial No. 401,784; published Mar. 1, 1938.

CLASS 23

Hardware and hardware accessories and supplies. American Merchandise Co. Inc. 356,778; May 10; Serial No. 400,449; published Mar. 1, 1938.
Homogenisers. Gardner Dairy Equipment Corporation. 356,759; May 10; Serial No. 399,958; published Mar. 1, 1938.
Motors, parts thereof, and accessories thereto, Diesel. Daimler-Benz Aktiengesellschaft. 356,793; May 10; Serial No. 400,722; published Mar. 1, 1938.
Power transmission units or machines. Continental Machine Specialties, Inc. 356,700; May 10; Serial No. 394,584; published Mar. 1, 1938.
Pumps, hydraulic presses, machine tools, etc. Vickers, Incorporated. 356,666; May 10; Serial No. 352,805; published June 9, 1936.
Razors and razor blades. American Safety Razor Corporation. 356,859; May 10.
Ring travelers. U. S. Ring Traveler Co. 356,829; May 10; Serial No. 401,256; published Mar. 1, 1938.
Type-writing machines. Standard Typewriter Manufacturing Company. 15,357; re-renewed Apr. 10, 1938.
Type-writing machines. Standard Typewriter Manufacturing Company. 15,375–6; re-renewed Apr. 17, 1938.
Vending machines. J. D. H. Drushell. 356,831; May 10; Serial No. 401,300; published Mar. 1, 1938.

CLASS 26

Eyeglasses. T. A. Willson & Co. 121,994; renewed June 11, 1938.
Load indicating mechanisms for vehicles. Black & Decker Manufacturing Company. 356,833; May 10; Serial No. 401,329; published Mar. 1, 1938.
Measuring apparatus of flowing fluids, Quantity. Bailey Meter Company. 356,669; May 10; Serial No. 379,866; published June 16, 1937.
Meters, Exposure. F. Loewenberg. 356,835; May 10; Serial No. 401,344; published Mar. 1, 1938.
Meters, Parking. C. H. Martin. 356,727; May 10; Serial No. 398,363; published Feb. 1, 1938.
Thermostats. W. W. Robinson. 356,777; May 10; Serial No. 400,438; published Mar. 1, 1938.

CLASS 27

Watches and parts thereof. A. Glarden. 356,752; May 10; Serial No. 399,707; published Mar. 1, 1938.

CLASS 31

Filters. Commercial Filters Corporation. 356,830; May 10; Serial No. 401,297; published Mar. 1, 1938.

CLASS 34

Air conditioning units. Melchior, Armstrong, Dessau Co. of Delaware, Inc. 356,767; May 10; Serial No. 400,166; published Mar. 1, 1938.
Burners and air conditioning units, Domestic oil. Electrol Incorporated. 356,762; May 10; Serial No. 400,052; published Mar. 1, 1938.
Burners and air conditioning units, Domestic oil. Electrol Incorporated. 356,763; May 10; Serial No. 400,095; published Mar. 1, 1938.
Burners, furnaces, and heating chambers, Industrial oil, tar, and gas. W. N. Best Engineering Co. Inc. 356,694; May 10; Serial No. 393,935; published Mar. 1, 1938.

CLASS 35

Gaskets and washers. Armstrong Cork Products Company. 356,706; May 10; Serial No. 395,895; published Mar. 1, 1938.
Paste for sealing pistons, Ground vermiculite. United Factories, Inc. 356,858; May 10.
Tires. L. L. Lane. 356,736; May 10; Serial No. 399,219; published Mar. 1, 1938.

CLASS 37

Books, Dictation. E. K. Davis. 356,824; May 10; Serial No. 401,241; published Mar. 1, 1938.
Collar supporting reinforcing, and holding devices. J. W. Steele & Co. 356,827; May 10; Serial No. 401,279; published Mar. 1, 1938.
Forms, Record. American Sales Book Company. 356,677; May 10; Serial No. 387,532; published Mar. 1, 1938.
Forms with interleaved carbon sheets, Printed. General Manifold and Printing Company. 356,816; May 10; Serial No. 401,020; published Mar. 1, 1938.
Paper. Munising Paper Company. 356,789; May 10; Serial No. 400,669; published Mar. 1, 1938.
Paper and tracing cloth, Tracing. B. K. Elliott Company. 356,809; May 10; Serial No. 400,957; published Mar. 1, 1938.
Paper, Art drawing. B. K. Elliott Company. 356,810; May 10; Serial No. 400,966; published Mar. 1, 1938.
Paper napkins. Northern Paper Mills. 356,820; May 10; Serial No. 401,094; published Mar. 1, 1938.
Paper napkins, paper towels and toilet paper. Graham Manufacturing Company. 356,863–4; May 10.
Paper, Printing and writing. Hampshire Paper Company. 356,861; May 10.
Paper, Tracing. B. K. Elliott Company. 356,807; May 10; Serial No. 400,952; published Mar. 1, 1938.
Paper, Tracing. B. K. Elliott Company. 356,808; May 10; Serial No. 400,958; published Mar. 1, 1938.
Pencil holders with detachable pencils. O. Ogren. 356,683; May 10; Serial No. 391,192; published Mar. 1, 1938.
Pencils and pens and parts thereof, Mechanical. Nassau Pen and Pencil Corporation. 356,779; May 10; Serial No. 400,464; published Mar. 1, 1938.
Pencils, pens, ink, etc. J. S. Staedtler. 356,708; May 10; Serial No. 396,697; published Mar. 1, 1938.
Wrappers and wrapper files. A. B. Dick Company. 356,730; May 10; Serial No. 398,565; published Mar. 1, 1938.
Writing plates, Flexible. A. B. Dick Company. 356,815; May 10; Serial No. 401,017; published Mar. 1, 1938.

CLASS 38

Books, pamphlets, periodicals, Printed. International Longshoremans Association. 122,970; renewed Oct. 1, 1938.
Cartoons. King Features Syndicate, Inc. 356,811; May 10; Serial No. 400,976; published Mar. 1, 1938.
Column, Newspaper. Hearst Publications, Incorporated. 356,766; May 10; Serial No. 400,163; published Feb. 22, 1938.
Magazines. Country Press, Inc. 356,672; May 10; Serial No. 385,216; published Apr. 20, 1937.
Newspaper syndicated feature. Public Ledger, Inc. 356,800; May 10; Serial No. 400,924; published Mar. 1, 1938.
Publication. David McKay Company. 356,812; May 10; Serial No. 400,983; published Mar. 1, 1938.
Publication and pamphlets, booklets, and bulletins. American Trucking Associations, Inc. 356,688; May 10; Serial No. 392,183; published Mar. 1, 1938.
Publications, Annual. Thomas Publishing Company. 356,819; May 10; Serial No. 401,081; published Mar. 1, 1938.
Publications, Educational. National League of Women Voters. 356,795; May 10; Serial No. 400,787; published Mar. 1, 1938.

CLASS 39

Blouses. M. F. De Witt. 356,681; May 10; Serial No. 390,588; published June 15, 1937.
Blouses, Ladies'. Susquehanna Waist Company. 356,775; May 10; Serial No. 400,391; published Mar. 1, 1938.
Clothing, Children's. Kute Kiddies Headware Inc. 356,729; May 10; Serial No. 398,541; published Feb. 22, 1938.



Coats, Dyed coney fur. Vicmore Fur Co. 356,670; May 10; Serial No. 383,608; published Apr. 13, 1937.
Clothing, Men's. Eagle Clothes. 356,845; May 10; Serial No. 401,558; published Mar. 1, 1938.
Dresses, and nurses' and maids' uniforms, House. W. Kothes & Son. 356,799; May 10; Serial No. 400,012; published Mar. 1, 1938.
Dresses, blouses, culottes, etc. D. Minchenberg. 356,813; May 10; Serial No. 400,986; published Feb. 22, 1938.
Dresses, coats, suits, etc. Elder & Johnston Co. 356,696; May 10; Serial No. 394,079; published Aug. 31, 1937.
Dresses, skirts, sweaters, etc., Street. Cotton Shop, Inc. 356,780; May 10; Serial No. 400,495; published Mar. 1, 1938.
Frocks and house and street dresses. R. Lowenbaum Manufacturing Co. 356,817; May 10; Serial No. 401,028; published Feb. 22, 1938.
Hats, coats, dresses, etc., Women's and misses'. National Department Stores Management & Buying Corporation. 356,715; May 10; Serial No. 397,142; published Jan. 11, 1938.
Hosiery. Butler Brothers. 121,754; renewed May 28, 1938.
Hosiery. S. H. Kress and Company. 356,718; May 10; Serial No. 397,619; published Feb. 22, 1938.
Hosiery. Miller-Smith Hosiery Mills. 356,733; May 10; Serial No. 398,922; published Feb. 22, 1938.
Hosiery, Ladies' full-fashioned. D. A. Harrison. 356,785; May 10; Serial No. 400,598; published Feb. 22, 1938.
Hosiery, socks, and anklets. S. H. Kress and Company. 356,720; May 10; Serial No. 397,670; published Feb. 22, 1938.
Negligees, slips, bloomers, etc. Imperial Undergarment Co. 356,838; May 10; Serial No. 401,387; published Mar. 1, 1938.
Overalls. Levi Strauss & Company. 356,701; May 10; Serial No. 394,734; published Mar. 1, 1938.
Shirts. Mabley and Carew Company. 356,836; May 10; Serial No. 401,346; published Mar. 1, 1938.
Shirts, coats, and jackets. Lustberg, Nast & Co. 356,765; May 10; Serial No. 400,113; published Feb. 8, 1938.
Shirts, Dress. M. H. Raab-Meyerhoff Co. 356,739; May 10; Serial No. 399,328; published Feb. 22, 1938.
Shirts, pajamas and coats, Outer. Oviatt's Inc. 356,703; May 10; Serial No. 395,430; published Feb. 22, 1938.
Skirts, slacks, shorts, etc. Fay Sportswear, Inc. 356,754; May 10; Serial No. 399,796; published Feb. 22, 1938.
Slacks. Moyer Manufacturing Company. 356,783; May 10; Serial No. 400,567; published Feb. 22, 1938.
Slips. Slipco. 356,794; May 10; Serial No. 400,736; published Feb. 22, 1938.
Sportswear. A. Ajello Incorporated. 356,798; May 10; Serial No. 400,894; published Feb. 22, 1938.
Stockings, Rain. H. C. A. Behr & C. H. Sweitzer. 356,782; May 10; Serial No. 400,547; published Feb. 22, 1938.
Suits. Sewell Manufacturing Company. 356,693; May 10; Serial No. 393,822; published Feb. 22, 1938.
Suits and coats, Ladies'. A. Davis & Sons, Inc. 356,806; May 10; Serial No. 400,948; published Feb. 22, 1938.
Suits and coats, Women's. Schaeffer Garment Co. 356,823; May 10; Serial No. 401,163; published Feb. 22, 1938.
Suits, coats, capes, etc. Siegel-Lyttle, Inc. 356,842–3; May 10; Serial Nos. 401,451–2; published Mar. 1, 1938.
Suits, Men's. Manville Jenckes Corporation. 356,671; May 10; Serial No. 385,004; published Mar. 1, 1938.
Sweaters for men, boys, and children, Knitted. Paragon Knitting Mills. 356,784; May 10; Serial No. 400,568; published Feb. 22, 1938.
Underwear for men and boys, Knitted. Ware Valley Manufacturing Co. 356,721; May 10; Serial No. 397,694; published Feb. 22, 1938.
Wear, Knitted. Renart Sportswear Corp. 356,734; May 10; Serial No. 399,011; published Mar. 1, 1938.

CLASS 40

Curlers, Hair. R. P. Burns. 356,735; May 10; Serial No. 399,126; published Mar. 1, 1938.

CLASS 42

Fabrics, Textile. Velveray Corporation of America. 356,756; May 10; Serial No. 399,909; published Mar. 1, 1938.
Fabrics, Textile. Velveray Corporation of America. 356,757; May 10; Serial No. 399,911; published Mar. 1, 1938.
Fabrics, Textile. Velveray Corporation of America. 356,758; May 10; Serial No. 399,913; published Mar. 1, 1938.
Fabrics, Woolen. Warren Woolen Mills. 356,768; May 10; Serial No. 400,213; published Mar. 1, 1938.
Sheets and pillow cases. Ball Textile Co. 356,847; May 10; Serial No. 401,645; published Mar. 1, 1938.
Sheets and pillow cases. H. Cohen & Bro. 356,848; May 10; Serial No. 401,666; published Mar. 1, 1938.
Silk and artificial silk cloth. S. J. Aronsohn, Inc. 356,849; May 10; Serial No. 401,722; published Mar. 1, 1938.

CLASS 43

Yarns. Emile Bernat & Sons Co. 356,697; May 10; Serial No. 394,156; published Feb. 22, 1938.
Yarns. Eastyarn, Inc. 356,856; May 10.

CLASS 44

Electro-therapeutic apparatus. Peerless Laboratories, Inc. 356,832; May 10; Serial No. 401,315; published Mar. 1, 1938.
Pessaries and pessary applicators. R. A. Bachmann. 356,862; May 10.
Stockings, Elastic. I. F. Spindell. 356,702; May 10; Serial No. 395,360; published Mar. 1, 1938.

CLASS 45

Beverage. C. F. Merritt. 356,851; May 10; Serial No. 401,832; published Mar. 1, 1938.
Beverages. Ranier Products Company. 121,653; renewed May 14, 1938.
Compound for flavoring soft drinks, Fruit and vegetable. R. Zieve. 356,704; May 10; Serial No. 395,441; published Mar. 1, 1938.
Water, Distilled. Standard Water Systems Co. 121,350; renewed Apr. 23, 1938.

CLASS 46

Alimentary pastes. Long Island Macaroni Co. Inc. 356,726; May 10; Serial No. 398,208; published Mar. 1, 1938.
Bakery-goods. Helms Bakeries. 356,709–10; May 10; Serial Nos. 396,916–17; published Mar. 1, 1938.
Candy. Great Buckeye Candies, Inc. 356,825; May 10; Serial No. 401,258; published Mar. 1, 1938.
Canned beef. Libby, McNeill & Libby. 121,559; renewed May 7, 1938.
Canned citrus juices. L. E. Holloway. 356,860; May 10.
Canned fruit juices. Hunt Brothers Packing Co. 356,732; May 10; Serial No. 398,904; published Mar. 1, 1938.
Cocoa, hot chocolate powder, jams, etc. D. D. Kistler. 356,674; May 10; Serial No. 386,259; published Mar. 1, 1938.
Crackers. King Kone Corporation. 356,690; May 10; Serial No. 392,801; published Mar. 1, 1938.
Fish, Cooked. F. T. James Company, Ltd. 356,682; May 10; Serial No. 390,854; published June 29, 1937.
Food for domesticated carnivorous animals, Prepared. Balanced Pet Foods Co. 356,686; May 10; Serial No. 391,513; published Mar. 1, 1938.
Foods. Smith & Horton Co. Limited. 121,666; renewed May 14, 1938.
Foods. Western Grocer Company. 121,679; renewed May 14, 1938.
Fruits and tropical or semi-tropical fruits, Fresh citrous. S. V. Mead. 356,724; May 10; Serial No. 397,979; published Feb. 8, 1938.
Fruits, Fresh citrus. Pasco Packing Association. 356,853; May 10; Serial No. 402,017; published Mar. 1, 1938.
Fruits, Fresh citrus. Waverly Growers Cooperative. 356,846; May 10; Serial No. 401,630; published Mar. 1, 1938.
Fruits, vegetables, grapes, etc. S. A. Gerrard Co. 356,713; May 10; Serial No. 397,076; published Mar. 1, 1938.
Gum, Chewing. J. B. Smith. 356,790; May 10; Serial No. 400,670; published Mar. 1, 1938.
Hams. John Morrell & Co. 356,791; May 10; Serial No. 400,696; published Mar. 1, 1938.
Pop-corn, Cheese-flavored. Cheezcorn Co. of New England, Inc. 356,865; May 10.
Shortening, Vegetable. Lever Brothers Company. 356,841 May 10; Serial No. 401,440; published Mar. 1, 1938.
Tea. E. Levering, Jr. 122,648–9; renewed Sept. 3, 1938.

CLASS 49

Brandy. Arbouin Marett & Co., S. A. 356,854; May 10; Serial No. 402,052; published Mar. 1, 1938.
Whiskey. Bon-Ton Incorporated. 356,684; May 10; Serial No. 391,306; published Mar. 1, 1938.
Whiskey, gin, rum, etc. Joseph S. Finch and Company. 356,852; May 10; Serial No. 401,853; published Mar. 1, 1938.

CLASS 50

Capsules. Tiproff Patent Seal Company Limited. 356,725; May 10; Serial No. 398,134; published Mar. 1, 1938.

## LIST OF LABELS

Burger Maid. For Sandwiches. W. Russell. 51,101; May 10.
Calvert. For Men's Hats. Calvert Hats, Inc. 51,091; May 10.
Chase and Sanborn Dated. For Coffee. Standard Brands Incorporated. 51,104; May 10.
Cheerie English Brand. For Ale. Sunrise Brewing Co. 51,108; May 10.

## LIST OF LABELS

Cooky Croc Cookie Mix. For Prepared Mixture for Making Cookies. Cream of Wheat Corporation. 51,094; May 10.

Derma-Pine Spray. For Spray for Control of Fleas, Lice, Mites and Other Pests on Dogs and Cats. J. K. Banes. 51,090; May 10.

Falcon's Eyes Safety Light. For Safety Lights. P. Falke. 51,095; May 10.

Fine Footwear. For Footwear. A. C. Clayton Printing Co. 51,092-3; May 10.

Fleischmann's. For Yeast. Standard Brands Incorporated. 51,105; May 10.

Golden Miller. For Straight Rye Whiskey. Washington Wholesale Liquor Corporation. 51,111; May 10.

House Egg Carton. For Egg Cartons. L. Schwartzberg. 51,102; May 10.

Lee Cowboy Pants. For Cowboy Pants. H. D. Lee Mercantile Company. 51,099; May 10.

Million Dollar. For Coffee and Chicory. D. W. Turner. 51,110; May 10.

Oh Henry! For Tomato Ketchup. H. E. Trautman. 51,109; May 10.

Raisin-Bran. For Whole Wheat with Raisins, Bran, and Salt Added. L. M. Skinner. 51,103; May 10.

Restmore. For Mattresses. L. Fish Furniture Company. 51,097; May 10.

Restmore. For Studio Coaches. L. Fish Furniture Company. 51,096; May 10.

Robert Morris. For Kentucky Straight Bourbon Whiskey. Washington Wholesale Liquor Corporation. 51,112; May 10.

Stanton Olden Ale. For Ale. Stanton Brewery, Inc. 51,106; May 10.

Sweet Cream Fall's Butter. For Butter. Menasha Products Company. 51,100; May 10.

Texanilla. For an Imitation Vanilla Concentrate Colored with Caramel. A. E. Iles. 51,098; May 10.

Tip Top Bohemian Brand. For Beer. Sunrise Brewing Co. 51,107; May 10.

Tetrust. For Rust Preventive Paint. Wilbur & Williams Company. 51,113; May 10.

## LIST OF PRINTS

A Gift for Boys and Girls Jack Armstrong's Explorer Telescope. For Cereal Food. General Mills, Inc. 16,815; May 10.

Babies Thrive on this First Solid Food—It's Perfectly Digestible! For Wheat Breakfast Food. Cream of Wheat Corporation. 16,813; May 10.

Blinkers. For Sunglasses. Deauville Specialty Corporation. 16,814; May 10.

Catholic Quality Weeklies. For Catholic Newspapers. Catholic Press Union, Incorporated. 16,811; May 10.

Drill Sharpening Protractor. For Twist Drills. Cosedill Twist Drill Company. 16,812; May 10.

It's the Nets by Bates that Catch the Profits. For Nets. H. Bates Co. 16,810; May 10.

Keeps Them Healthy. For Condition Capsules, Pine Oil Disinfectant, Shampoo and Sprayers. Zenith Products Co. 16,823; May 10.

Lo-Ru-Je. For a Skin Conditioner. M. F. Williams. 16,822; May 10.

Pabst Good Taste for 94 Years. Ad. No. 4600. For Beer. Premier-Pabst Sales Co. 16,821; May 10.

Pabst Good Taste for 94 Years. Ad. No. 4604. For Beer. Premier-Pabst Sales Co. 16,817; May 10.

Pabst Good Taste for 94 Years. Ad. No. 4606. For Beer. Premier-Pabst Sales Co. 16,818; May 10.

Pabst Good Taste for 94 Years. Ad. No. 4607. For Beer. Premier-Pabst Sales Co. 16,819; May 10.

Pabst Good Taste for 94 Years. Ad. No. 4610. For Beer. Premier-Pabst Sales Co. 16,820; May 10.

Pabst Good Taste for 94 Years. Ad. No. 4611. For Beer. Premier-Pabst Sales Co. 16,816; May 10.

# LIST OF REISSUE PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 10TH DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brün, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Chemical compound. Re. 20,718; May 10.

Electric Controller & Manufacturing Company, The. (See Wright, David C., assignor.)

Globe Steel Tubes Co. (See Ibrig, Harry K., assignor.)

Ibrig, Harry K., assignor to Globe Steel Tubes Co., Milwaukee, Wis. Impregnation of metals with silicon. Re. 20,719; May 10.

Lasker, William W., deceased, Brooklyn, by Remington Rand Inc., Buffalo, N. Y., assignee. Card punching machine. Re. 20,720; May 10.

Pointer, Delbert, Farmer City, Ill. Valve stem clearance jig. Re. 20,721; May 10.

Remington Arms Company. (See Brün, Willi, assignor.)

Remington Rand Inc. (See Lasker, William W., assignor.)

Schmidt, Joseph W., assignor to Wetmore Reamer Co., Milwaukee, Wis. Blade anchoring wedge. Re. 20,722; May 10.

Standard Car Truck Company. (See Webb, Edwin W., assignor.)

Webb, Edwin W., assignor to Standard Car Truck Company, Chicago, Ill. Spring damping truck. Re. 20,723; May 10.

Wetmore Reamer Co. (See Schmidt, Joseph W., assignor.)

Wright, David C., Euclid, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Controller for inductive devices. Re. 20,724; May 10.

# LIST OF DESIGN PATENTEES

Adlake Company, The. (See Stewart, Lemuel L., assignor.)

Aisenstein, Louis. (See Stein, M. J., and Aisenstein.)

Aldrich, Ralph N., and A. H. Jaehne, assignors to Standard Oil Company of California, San Francisco, Calif. Service station canopy. 109,650; May 10.

Anderson, Wilbert C., Elmwood Park, assignor to Flexo Products Corporation, Chicago, Ill. Table lamp. 109,599; May 10.

Baird, Frederick A., Wilmette, Ill., assignor to Modern Curtain Co. Inc., Boston, Mass. Curtain. 109,600; May 10.

Baldwin Company, The. (See Day, Wilbur M., assignor.)

Barbour, Dorothy B., Framingham Center, Mass. Combination garment. 109,651; May 10.

Barrett, Joseph E., assignor to Superior Electric Products Corp., St. Louis, Mo. Electric toaster or similar article. 109,652; May 10.

Bay State Optical Company. (See Nerney, George E., assignor.)

Beilinson, Dorothy, New York, N. Y. Dress. 109,681; May 10.

Beilinson, Dorothy, New York, N. Y. Dress. 109,682; May 10.

Belanger, Louis J., Graniteville, Vt. Welder's tool. 109,601; May 10.

Berry, Helen, New York, N. Y. Dress. 109,602; May 10.

Beveridge, Frank S., Westfield, Mass. Brush or the like. 109,634; May 10.

Butt, Savannah B., Baltimore, Md. Boot scraper. 109,603; May 10.

Caplan, Moses. (See Ring, Evelyn, assignor.)

Carnegie, Hattie, Inc. (See Parsinger, Tommi, assignor.)

Chapman, Jean, assignor to El Dorado Silk Co., Inc., New York, N. Y. Textile fabric. 109,606; May 10.

Chapman, Jean, assignor to El Dorado Silk Co., Inc., New York, N. Y. Textile fabric. 109,653; May 10.

Christensen, O. Neil, Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Radio cabinet. 109,635; May 10.

Christie, Theodore, Rochester, N. Y. Corner trimming unit. 109,604; May 10.

Cippico, Giuseppe, Rome, Italy, assignor to Zeus Corporation, New York, N. Y. Smoking device. 109,605; May 10.

Cohen, Irving, New York, N. Y. Coat. 109,636; May 10.

Cohen, Sol D., assignor to Paper Novelty Manufacturing Co., New York, N. Y. Christmas tree ornament. 109,607; May 10.

Cohn, Ben, New York, N. Y. Cape. 109,654; May 10.

Coleman, Tora, New York, N. Y. Dress ensemble. 109,608; May 10.

Comolli, Sylvia, New York, N. Y. Dress ensemble. 109,609; May 10.

Dannecker, Rudolph, Beacon, N. Y. Embroidered textile fabric or similar article. 109,655; May 10.

Dannecker, Rudolph, Beacon, N. Y. Embroidered textile fabric or similar article. 109,656; May 10.

Day, Wilbur M., Norwood, assignor to The Baldwin Company, Cincinnati, Ohio. Piano case. 109,637; May 10.

Delta Manufacturing Company, The. (See Tate, James, assignor.)

Ditchik, Louis, New York, N. Y. Novelty pin. 109,610; May 10.

Dobson, William A., Weathersfield, Conn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriter. 109,611; May 10.

Dunbar Glass Corporation. (See Saunders, Thomas D., assignor.)

Dutcher, Elizabeth S., Sunnyside, Long Island, N. Y. Toy figure. 109,612; May 10.

Eastman Kodak Company. (See Teague, Walter D., assignor.)

El Dorado Silk Co. (See Chapman, Jean, assignor.)

Essmann, Carl J., Brooklyn, N. Y. Pencil lead testing machine. 109,638; May 10.

Flexo Products Corporation. (See Anderson, Wilbert C., assignor.)

Frederick, Robert E., New York, N. Y. Slipper. 109,613; May 10.

Gast, George A., assignor to R. T. Moloney, Chicago, Ill. Phonograph cabinet. 109,657; May 10.

General Electric Company. (See Patten, Raymond E., assignor.)

General Motors Corporation. (See Oswald, John, assignor.)

General Motors Corporation. (See Snyder, George, assignor.)

Gill Glass & Fixture Company. (See Orth, Richard, assignor.)

Gotsch, Walter M., Company. (See Hauck, Marie F., assignor.)

Gunn, Claude M., Kansas City, Mo. Speedometer. 109,639; May 10.

Hamilton, George A., Albany, N. Y. Griddle or the like. 109,658; May 10.

Hauck, Marie F., assignor to Walter M. Gotsch Company, Chicago, Ill. Spread or similar article. 109,659; May 10.

Hoeveler, John A., Mount Lebanon, assignor to Pittsburgh Reflector Company, Pittsburgh, Pa. Lighting fixture. 109,660; May 10.

Hoeveler, John A., Mount Lebanon, assignor to Pittsburgh Reflector Company, Pittsburgh, Pa. Lighting fixture. 109,661; May 10.

Hughes, William, Taunton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Eyelet. 109,614; May 10.

Jaehne, Alfred H. (See Aldrich, R. N., and Jaehne.)

Johnson, Stephens and Shinkle Shoe Company. (See Sutton, John R., assignor.)

Kimmel, Frederick C., Rochester, N. Y. Electric broiler. 109,640; May 10.

Kostellow, Rowena R., assignor to United States Glass Co., Pittsburgh, Pa. Goblet or similar article. 109,662; May 10.

Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Electric fan. 109,663; May 10.

Lauterbur, Edward J., assignor to Peerless Bread Machinery Corporation, Sidney, Ohio. Dough mixer. 109,615; May 10.

Mahadeen, Elik, Jersey City, N. J. Lace medallion. 109,664; May 10.

Marcell, Carroll K., New York, N. Y. Combined make-up box and mirror. 109,665; May 10.

Marcell, Carroll K., New York, N. Y. Combined make-up box and mirror. 109,666; May 10.

Marcell, Carroll K., New York, N. Y. Combined make-up box and mirror. 109,667; May 10.

Marcus, William J., Cleveland Heights, Ohio. Supporting rack for kitchen utensils, or the like. 109,641; May 10.

McDonald, Edward F., Buffalo, N. Y. Combined ashtray, pipe knocker, and pipe rack. 109,616; May 10.

Merralls, Charles N., Los Angeles, Calif. Tassel. 109,668; May 10.
Michelson, Margaret, New York, N. Y. Dress. 109,669; May 10.
Modern Curtain Co. Inc. (See Baird, Frederick A., assignor.)
Moloney, Raymond T. (See Gast, George A., assignor.)
Morgan, John R., assignor to Sears, Roebuck and Co., Chicago, Ill. Kettle. 109,642; May 10.
Murphy, Harry A., Minneapolis, Minn. Oil cleaner. 109,643; May 10.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Endpiece for an ophthalmic mounting. 109,670; May 10.
Orth, Richard, assignor to Gill Glass & Fixture Company, Philadelphia, Pa. Light diffusing torchiere shade. 109,617; May 10.
Oswald, John, Lansing, assignor to General Motors Corporation, Detroit, Mich. Ornamental grille for an automobile radiator. 109,671; May 10.
Oswald, John, Lansing, assignor to General Motors Corporation, Detroit, Mich. Grille for automobile radiator. 109,672; May 10.
Paper Novelty Manufacturing Co. (See Cohen, Sol D., assignor.)
Parzinger, Tommi, assignor to Hattie-Carnegie, Inc., New York, N. Y. Combination bottle and stopper therefor. 109,618; May 10.
Patten, Raymond E., Bridgeport, Conn., assignor to General Electric Company. Refrigerator cabinet. 109,644; May 10.
Pearson, Susan C., New York, N. Y. Crib. 109,645; May 10.
Peerless Bread Machinery Corporation. (See Lauterbur, Edward J., assignor.)
Pittsburgh Reflector Company. (See Hoeveler, John A., assignor.)
Pollner, Benjamin, New York, N. Y. Knitted dress. 109,646; May 10.
Pomerans, Jacob J., Brooklyn, assignor to T. & P. Optical Mfg. Co. Inc., New York, N. Y. Spectacle front. 109,673; May 10.
Ranko, Joseph M., New York, N. Y. Stool. 109,674; May 10.
Reynolds, Edwin, Vineland, N. J. Stair tread holder or similar article. 109,619; May 10.
Richter, George E., Buffalo, N. Y. Display rack. 109,620; May 10.
Ring, Evelyn, assignor to M. Caplan, Boston, Mass. Chair pad cover. 109,621; May 10.
Rosen, M. Joseph, New York, N. Y. Handkerchief. 109,622; May 10.
Rowley, Charles A., Los Angeles, Calif. Egg beater or similar article. 109,647; May 10.
Rubin, Herbert, New York, N. Y. Snap lock for a bag or similar article. 109,623; May 10.
Saaty, Theodore N., Providence, R. I., assignor to The Screw Machine Products Corporation. Telephone cabinet. 109,648; May 10.
Saunders, Thomas D., Dunbar, W. Va., assignor to Dunbar Glass Corporation. Tumbler or similar article. 109,675; May 10.
Saunders, Thomas D., Dunbar, W. Va., assignor to Dunbar Glass Corporation. Tumbler or similar article. 109,676; May 10.
Schiff, Henry T., Chicago, Ill. Shaving implement. 109,624; May 10.
Screw Machine Products Corporation, The. (See Saaty, Theodore N., assignor.)
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Shurak, Harry, New York, N. Y. Slipper. 109,625; May 10.
Snyder, George, assignor to General Motors Corporation, Detroit, Mich. Decorative grille for an automobile radiator. 109,677; May 10.
Spitalny, Fred, Elizabeth, N. J. Lipstick case or similar article. 109,649; May 10.
Standard Oil Company of California. (See Aldrich, R. N., and Jachne, assignors.)
Stein, Maurice J. and L. Aisenstein, New York, N. Y. Finger ring. 109,626; May 10.
Stewart, Lemuel L., Chicago, Ill., assignor to The Adlake Company. Lighting fixture or similar article. 109,627; May 10.
Stewart-Warner Corporation. (See Christensen, O. Neil, assignor.)
Superior Electric Products Corporation. (See Barrett, Joseph E., assignor.)
Sutton, John R., assignor to Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Shoe. 109,678; May 10.
Sutton, John R., assignor to Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Shoe. 109,679; May 10.
T. & P. Optical Mfg. Co. Inc. (See Pomerans, Jacob J., assignor.)
Tate, James, assignor to The Delta Manufacturing Company, Milwaukee, Wis. Drill press guard. 109,628; May 10.
Teague, Walter D., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Camera. 109,629; May 10.
Timmons, Joseph V., Dallas, Tex. Oven front. 109,680; May 10.
Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)
United Shoe Machinery Corporation. (See Hughes, William, assignor.)
United States Glass Co. (See Kostellow, Rowena R., assignor.)
Von Eisenbarth, Edith, New York, N. Y. Textile fabric. 109,630; May 10.
Weiss, Harry, Newark, N. J. Display dental model. 109,631; May 10.
Westinghouse Electric & Manufacturing Company. (See Kruck, Ralph E., assignor.)
Whitehouse, Herbert G., Newark, N. J. Shoe ornament. 109,632; May 10.
Wooga, Itsuo, Tokyo, Japan. Lamp. 109,633; May 10.
Zeus Corporation. (See Cippico, Giuseppe, assignor.)

# LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 10TH DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrams, Harry, Brooklyn, N. Y. Camera adapted to take motion pictures and still pictures. 2,116,551; May 10.
Ackerson, Alfred H., assignor to Utili-Tong, Inc., Chicago, Ill. Tongs. 2,116,651; May 10.
Adams, Herman E., Paducah, Ky. Switch construction. 2,116,495; May 10.
Adelson, Samuel L., Chicago, Ill., assignor, by mesne assignments, to Infilco Inc. Flow-responsive device. 2,116,550; May 10.
Adler, Leon, St. Louis, Mo. Package. 2,116,652; May 10.
Airtemp, Incorporated. (See Williams, Burdell S., assignor.)
Akitt, Norman B., assignor, by mesne assignments, to Gould Coupler Corporation, Rochester, N. Y. Coupler. 2,116,817; May 10.
Aktiebolaget Nomy. (See Wallgren, A. G. F., and Janson, assignors.)
Aktiengesellschaft Brown Boveri & Cie. (See Thommen, Hans, assignor.)
American Brass Company, The. (See Silliman, Horace F., assignor.)
American Can Company. (See Burton, Charles W., assignor.)
American District Steam Company. (See Dunn, Frederick R., assignor.)
American Lurgi Corporation. (See Göhre, Kurt R., assignor.)
American Safety Hook Co. (See Giardina, V., and Primos, assignors.)
American Steel Foundries. (See Bachman, Fred E., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Steel Foundries. (See Walcher, E. A., and Baselt, assignors.)
American Stove Company. (See Meacham, Benjamin E., assignor.)
American Stove Company. (See Stockstrom, Arthur, assignor.)
American Telephone and Telegraph Company. (See Bailey, A., and McCann, assignors.)
American Window Glass Company. (See Bishop, Frederic L., assignor.)
Anderson, Edward L., assignor of one-half to E. H. Walker, Washington, D. C. Printing frame. 2,117,051; May 10.
Andrews, Richard H., Jr. (See Yarger, Milton R., assignor.)
Apex Electrical Manufacturing Company, The, trustee. (See Kirby, James B., assignor.)
Appleby, Owen L., San Jose, Calif. Burner. 2,116,691; May 10.
Arden, Elizabeth, Sales Corporation. (See Lewis, Florence N., assignor.)
Armbruster, John W., Brooklyn, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating and accounting machine. 2,116,653; May 10.
Armstrong, Edwin H., New York, N. Y. Radio receiving system. 2,116,501; May 10.
Armstrong, Edwin H., New York, N. Y. Radio receiving system. 2,116,502; May 10.
Arndt, Franklin E., Galion, Ohio, assignor to The Galion Iron Works & Mfg. Co. Material distributor and spreader. 2,116,503; May 10.
Arndt, Franklin E., Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Material distributor and spreader. 2,116,612; May 10.
Arndt, Franklin E., Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Material distributor and spreader. 2,116,612; May 10.
Arnold, Henry W., and C. Badger, assignors to The Lamb Glass Company, Mount Vernon, Ohio. Glass press. 2,116,921; May 10.
Arnold, Herrick R., Elmhurst, and W. A. Lazier, New Castle County, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenation of carboxylic acids, their esters and anhydrides. 2,116,552; May 10.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Combined pyrophoric lighter and cigarette container. 2,116,963; May 10.
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Arvey Corporation. (See Gearson, Ralph J., assignor.)
Ashby, Carl T., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,116,999; May 10.
Ashdown, Kenneth T., Drexel Hill, and V. L. Cox, Philadelphia, Pa., assignors to General Electric Company. Electric switch gear. 2,117,130; May 10.
Atkinson, R. O., et al. (See Warner, Robert L. L., assignor.)
Atlantic Refining Company, The. (See Roberts, Oscar L., assignor.)
Atlas Meat Appliances Co. (See Bullard, J. O., and Fouch, assignors.)
Atlas Powder Company. (See Brown, Kenneth R., assignor.)
Atlas Specialty Co. (See Herzberg, Gustav, assignor.)
Atwood Machine Company, The. (See Schautz, W. L., and Lewis, assignors.)
Auger, Claude H., Saugus, Mass., assignor to General Electric Company. Supercharger arrangement. 2,117,131; May 10.
Austin, Ellsworth W., Cedar Rapids, Iowa. Propeller. 2,116,818; May 10.
Austin, Jonathan R., Dayton, Ohio, and D. R. Berlin, Eggertsville, N. Y. Emergency balancing means. 2,117,234; May 10.
Automatic Devices Corporation. (See Cohen, Joseph H., assignor.)
Automotive Products Company Limited. (See Brown, F. V., and Onwood, assignors.)
Babcock & Wilcox Company, The. (See Smith, Charles S., assignor.)
Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,116,964; May 10.
Badger, Charles. (See Arnold, H. W., and Badger.)
Baermann, Max, Jr., Cologne, Germany. Releasable permanent magnet holding device. 2,117,132; May 10.
Bailey, Austin, Maplewood, and T. A. McCann, Denville, N. J., assignors to American Telephone and Telegraph Company. Telegraph tape comparator. 2,117,052; May 10.
Bailey Meter Company. (See Weaver, Harry E., assignor.)
Baillie, Bertham L. (See Simpson, W. H., and Baillie.)
Baldwin, Alfred W., H. Blackshaw, and C. S. Woolvin, Blackley, England, assignors to Imperial Chemical Industries Limited. Dyeing process. 2,116,553; May 10.
Barash, Joseph, New York, N. Y. Intaglio printing machine. 2,116,874; May 10.
Barber, George W., New Haven, Conn., dedicated to the free use of the People of the United States of America. Needle nozzle. 2,116,591; May 10.
Bardue, Howard B., deceased, by M. E. Bardue, administratrix, San Francisco, Calif. Reducing furnace. 2,116,554; May 10.
Bardue, Maude E., administratrix. (See Bardue, Howard B.)
Bardwell, Dwight C., Syracuse, N. Y., and F. Porter, Prince George County, Va., assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y. Production of hydrogen. 2,116,993; May 10.
Barge, William D., Pelham, N. Y. Soundproof building construction. 2,116,654; May 10.
Barlow, Lester P., Stamford, Conn. Liquor dispenser register. 2,116,966; May 10.
Barnes, Brown E., assignor to Electric Steel Foundry Company, Portland, Oreg. Repair link. 2,116,875; May 10.
Barnes, Frederick J. T., Brisbane, Australia. Pipe fixing. 2,116,957; May 10.
Barnes-Gibson-Raymond, Inc. (See Young, James R., assignor.)
Barothy, Charles F., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Making fabricated articles. 2,116,555; May 10.
Baselt, Walter H. (See Walcher, E. A., and Baselt.)
Bassett, Robert S., Buffalo, N. Y. Device for metering liquids. 2,116,592; May 10.
Bassett, Walter E., Grand Rapids, Mich. Gear shifting mechanism. 2,116,692; May 10.
Bata, Jan A., Zlin, Czechoslovakia. Shoe and boot making machine. 2,116,819; May 10.
Baumann, Berthold, assignor to Triumph-Werke Nuernberg A.-G., Nuremberg, Germany. Typewriter. 2,117,235; May 10.
Bausch & Lomb Optical Company. (See Bissell, Everett S., assignor.)
Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)
Bausch & Lomb Optical Company. (See Gallasch, G. B., and Kurtz, assignors.)
Bausch & Lomb Optical Company. (See Simpson, Leon G., assignor.)
Bausch & Lomp Optical Company. (See Trautmann, Otto E., assignor.)
Bead Chain Manufacturing Company, The. (See Blatz, Warren D., assignor.)
Bear Manufacturing Company. (See Wochner, Henry, assignor.)

Bear, Paul S., Elkhart, Ind., assignor to James Heddon's Sons, Dowagiac, Mich. Fish lure. 2,116,994; May 10.
Beard, Theodore H., J. E. Renholdt, and C. H. Merritt, III, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y. Dictating machine. 2,117,236; May 10.
Beardsley, Guy E., Jr., and W. A. Parkins, West Hartford, Conn., assignors, by mesne assignments, to United Aircraft Corporation. Fuel feeding device for engines. 2,116,870; May 10.
Beau May Process Corporation. (See Wickenden, Leonard, assignor.)
Bedford, Robert H., Los Gatos, Calif. Gravity electrostatic separation process. 2,116,613; May 10.
Bell Telephone Laboratories, Incorporated. (See Björnson, Björn G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Carruthers, Robert S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Crawford, Arthur B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cruser, Victor L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fisher, J. R., and Mallinckrodt, assignors.)
Bell Telephone Laboratories, Incorporated. (See Hale, D. A. S., and Ronci, assignors.)
Bell Telephone Laboratories, Incorporated. (See Melick, John M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stoller, Hugh M., assignor.)
Bell, Thelma J., Baltimore, Md. Toy. 2,117,133; May 10.
Bellis, Joseph, St. Paul, Minn. Valve. 2,116,536; May 10.
Belmont, John, Brooklyn, assignor to Lebeckbo, Incorporated, New York, N. Y. Container closure. 2,117,075; May 10.
Bendix Aviation Corporation. (See Ketay, Morris F., assignor.)
Bendix Products Corporation. (See Ericson, G. E., and Klasey, assignors.)
Bennett, Harry T., and C. Prather, assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla. Lubricant and making the same. 2,117,076; May 10.
Berger, Samuel L., Newton Center, assignor to Boston Knitting Mills, Inc., Newton, Mass. Undergarment. 2,116,622; May 10.
Berlin, Donovan R. (See Austin, J. B., and Berlin.)
Bernard, Arthur A., assignor to Hollup Corporation, Chicago, Ill. Take-off apparatus for electric welders. 2,117,077; May 10.
Bernhard, Benjamin S., Boston, Mass. Hold open device. 2,117,013; May 10.
Berrittella, James, Yonkers, N. Y. Attachment for golf clubs. 2,116,655; May 10.
Better Brushes, Inc. (See Silverman, Max M., assignor.)
Bickford, Frederick E., Rye, N. Y. Packaging machine. 2,116,995; May 10.
Bickley, Elmer, Lennoxville, Quebec, Canada. Fingernail file. 2,117,053; May 10.
Bilmer, Karl P., New York, N. Y. Method of and apparatus for the construction of walls and similar forms. 2,116,557; May 10.
Bills, Claud H., Maywood, assignor of one-half to C. W. Timmons, Alhambra, Calif. Tank flanged pipe coupling. 2,117,111; May 10.
Birdseye Electric Corporation. (See Rook, Charles R., assignor.)
Birkigt, Marc, Bois-Colombes, France. Percussion fuse. 2,116,820; May 10.
Bishop, Frederic L., Fox Chapel, assignor to American Window Glass Company, Pittsburgh, Pa. Manufacture of sheet glass. 2,116,693; May 10.
Bissell, Everett S., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 2,117,134; May 10.
Bissell, Everett S., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Illuminating device. 2,117,135; May 10.
Björnson, Björn G., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal control circuits. 2,116,558; May 10.
Black, Edward R., et al. (See Black, Elam L., assignor.)
Black, Elam L., assignor to E. R., J. E., and E. L. Black, doing business as Black Systems, Chicago, Ill. Building covering. 2,117,014; May 10.
Black, James E., et al. (See Black, Elam L., assignor.)
Black Systems. (See Black, Elam L.)
Black, William H., New York, N. Y. Safety razor. 2,117,136; May 10.
Blackburn, George P., South Portland, Maine. Screw driver. 2,116,775; May 10.
Black-Clawson Company, The. (See Kutter, Herman L., assignor.)
Blackshaw, Harold. (See Baldwin, A. W., Blackshaw, and Woolvin.)
Blackstone Manufacturing Company. (See Conterman, Fred A., assignor.)
Blatz, Warren D., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Bead chain length adjuster. 2,117,137; May 10.
Blaylock, Raymond C., Kenmore, and C. G. Trimbach, Eggertsville, N. Y., assignors, by mesne assignments, to Curtiss-Wright Corporation. Automatic gun charger. 2,116,860; May 10.
Bleasdale, Albert. (See Connor, K. W., and Bleasdale.)
Bleasdale, Albert, Detroit, Mich., assignor to Micromatic Hone Corporation. Machine for grinding cylindrical and external surfaces. 2,116,922; May 10.
Blewett, John, assignor to The Murray Company, Dallas, Tex. Closure for cotton gin roll boxes. 2,116,823; May 10.
Bock, Charles D., New York, N. Y., assignor of one-half to W. Shakespeare, Jr., Kalamazoo, Mich. Voltage regulator. 2,117,138; May 10.
Bohn Aluminum & Brass Corporation. (See Pilcher, Edward K., assignor.)
Bolton, John W., assignor to The Lunkenheimer Company, Cincinnati, Ohio. Heat-treating alloys. 2,116,923; May 10.
Bondeson, Carl G., assignor to The Andrew Terry Company, Terryville, Conn. Ground fitting. 2,116,776; May 10.
Bopp, Enos J., Illinois City, Ill. Gate. 2,116,821; May 10.
Borg-Warner Corporation. (See Darbyshire, Leonard H., assignor.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Holzbaur, Eugen, assignor.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Hurst, M., and Weber, assignors.)
Boston Knitting Mills, Inc. (See Berger, Samuel L., assignor.)
Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,117,139; May 10.
Boucher, Charles P., Montreal, Quebec, Canada, assignor to Boucher Inventions, Ltd., Washington, D. C. Luminescent tube. 2,117,054; May 10.
Boucher Inventions, Ltd. (See Boucher, Charles P., assignor.)
Bouvier, George A., and H. R. Laird, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Cutting or milling machine. 2,116,593; May 10.
Bowen, William F., assignor to Evans Case Company, North Attleboro, Mass. Receptacle with picture display. 2,117,140; May 10.
Bowser, S. F., & Company. (See Griffith, Clement P., assignor.)
Brabender, George J., Wausau, assignor to Marathon Paper Mills Company, Rothschild, Wis. Wrapping paper. 2,117,237; May 10.
Brace, Edwin T., Springfield, Ohio. Ice cream freezer. 2,116,924; May 10.
Brace, Kemper P., and R. B. P. Crawford, Washington, D. C. Circulating fluids. 2,116,958; May 10.
Brainard, Frank W., et al. (See Crum, Roland R., assignor.)
Braren, Cornelius I. (See Kimball, W. D., and Braren.)
Brauer, Walter, Oklahoma City, Okla. Drilling control mechanism. 2,117,078; May 10.
Brayer Brothers Construction Corporation. (See Brayer, Edward H., assignor.)
Brayer, Edward H., assignor to Brayer Brothers Construction Corporation, Buffalo, N. Y. Meter. 2,116,777; May 10.
Brayer, Edward H., assignor to Brayer Brothers Construction Corporation, Buffalo, N. Y. Metering apparatus. 2,116,778; May 10.
Breer, Carl, Grosse Pointe Park, G. C. Goode, Birmingham, and V. W. Sherman, assignors, by mesne assignments, of one-half to Chrysler Corporation, Detroit, Mich., and one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vehicle electric power supply system. 2,117,141; May 10.
Breitling, Ernst, Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register, accounting, and the like machines. 2,116,779; May 10.
Brink, Winfield S., assignor to The Firestone Steel Products Company, Akron, Ohio. Tire rim. 2,117,238; May 10.
Bristoll, Harrison C., New Britain, R. V. Sanford, Hartford, and H. C. Doolittle, assignors to The Stanley Works, New Britain, Conn. Strap stretching tool. 2,117,015; May 10.
Brock, Norman H., Philadelphia, Pa. Method and apparatus for sound recording. 2,116,747; May 10.
Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Vehicle brake, especially for railway cars. 2,116,824; May 10.
Brown, Benjamin F., Chicago, Ill. Squeegee. 2,116,877; May 10.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Beam lock. 2,117,142; May 10.
Brown Company. (See Richter, George A., assignor.)
Brown Company. (See Schur, Milton O., assignor.)
Brown, Francis V., London, and A. Onwood, Southfields, London, assignors to Automotive Products Company Limited, London, England. Warning and indicating device for aircraft. 2,116,960; May 10.
Brown, James V. (See Thornburg, H. A., and Brown.)
Brown, Kenneth R., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Recovery of polyhydric alcohols. 2,116,665; May 10.
Brown, Lee S., and J. P. Dolce, Worland, Wyo. Prewound casting reel. 2,116,959; May 10.
Brumbaugh, Andrew K., assignor to The White Motor Company, Cleveland, Ohio. Control mechanism for automotive vehicles. 2,117,016; May 10.





Brun, Willi, and J. R. Burns, Bridgeport, Conn., assignors to Remington Arms Company, Inc. Ammunition. 2,116,878; May 10.
Bryant Electric Company, The. (See Johnson, George A., assignor.)
Buchanan, Stephen N., assignor to The Thomas & Betts Co., Elizabeth, N. J. Wire connecter. 2,117,112; May 10.
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Budd Wheel Company. (See Eksergian, C. L., and Gaenssle, assignors.)
Buechler, Gottlieb, Goodrich, N. Dak. Folding table leg. 2,117,239; May 10.
Buell, John B., Pueblo, Calif. Sunshade for automobiles. 2,116,961; May 10.
Buffalo Brake Beam Company. (See Busch, Charles R., assignor.)
Bulford, Murray N., Augusta, Ga., assignor to United Merchants & Manufacturers, Inc., New York, N. Y. Treating or processing cloth or fabric. 2,117,079; May 10.
Bullard, Jesse O., Huntington Park, and N. B. Fouch, assignors to Atlas Meat Appliances Co., Los Angeles, Calif. Appliance for treating meat. 2,116,614; May 10.
Burger, Oskar, Stuttgart-Sud, Germany. Hand knitting needle. 2,117,143; May 10.
Burns, James E. (See Brun, W., and Burns.)
Burton, Charles W., Vancouver, British Columbia, Canada, assignor to American Can Company, New York, N. Y. Valve for filling machines. 2,116,505; May 10.
Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Brake beam and/or brake head. 2,116,594; May 10.
Butt, Frederic W. (See Hamilton, W. S. H., and Butt.)
Cadwell, Leon L. (See Williams, B. E., and Cadwell.)
Cadzow, Robert. (See Dowsett, H. M., and Cadzow.)
Caldwell, Ollie C., Lisbon, Ohio. Window construction. 2,116,615; May 10.
Calumet Refining Company. (See Cremer, Charles W., assignor.)
Calvert, James W., assignor to C. E. S. Townsend, Baltimore, Md. Coin controlled dispensing and signal apparatus. 2,117,144; May 10.
Camady, Don, Cleveland, Ohio. Film-phonograph for reducing a sound track and rephotographing the reduced track onto a narrow independent film remote from the master film. 2,117,145; May 10.
Card, William C., Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Sole press. 2,116,967; May 10.
Carlson, Philip, Long Hill, assignor to The Metropolitan Body Company, Bridgeport, Conn. Truck coveralon. 2,116,666; May 10.
Carnot, Claude. (See Vautier, L. P. G., and Carnot.)
Carr, John O., Park Ridge, and A. H. Reiber, Evanston, assignors to Teletype Corporation, Chicago, Ill. Telegraph system. 2,116,506; May 10.
Carrey, John O., deceased, St. Louis, Mo.: F. J. Stretch, Jr., administrator. Separator. 2,116,595; May 10.
Carrier Corporation. (See Horlson, William B., assignor.)
Carter, Bernard M., Montclair, N. J., assignor to General Chemical Company, New York, N. Y. Apparatus for treating gases. 2,116,748; May 10.
Caruthers, Robert S., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulating system. 2,116,559; May 10.
Casey, Howard T., Baltimore, Md., assignor, by mesne assignments, to The Symington-Gould Corporation, Rochester, N. Y. Three piece lateral motion truck. 2,116,496; May 10.
Casner, Earl R., assignor, by mesne assignments, to Security Engineering Co. Inc., Whittier, Calif. Pump valve. 2,116,968; May 10.
Caswell, Walter A., Winnipeg, Manitoba, Canada. Egg candling apparatus. 2,117,146; May 10.
Celanese Corporation of America. (See Hutson, Canfield, assignor.)
Celanese Corporation of America. (See Whitehead, W., and Hutson, assignors.)
Cellu-Type Plate Co. (See McKee, Ralph H., assignor.)
Chadsey, George R., East Hampton, Conn. Tool for manipulating electric lamp bulbs. 2,117,017; May 10.
Chamberlain Corporation. (See Etten, Nicholas L., assignor.)
Chambers, Laura A., St. Louis, Mo. Bedpan cover and cushion. 2,116,560; May 10.
Chang, Albert L., Honolulu, Hawaii. Automatic hand signal. 2,116,694; May 10.
Charlton, Richard C., Philadelphia, assignor to Henry Disston & Sons, Incorporated, Tacony, Pa. Inserted tooth saw blade. 2,117,147; May 10.
Chartener, Victor, Monessen, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Machine for making fabrics. 2,116,780; May 10.
Chartier, Raoul E. and R. A., Holyoke, Mass. Charge forming device for internal combustion engines. 2,116,962; May 10.
Chartier, Romeo A. (See Chartier, Raoul E. and R. A.)
Chase Brass & Copper Co. Incorporated. (See Lieberman, Sarah, assignor.)
Chasserieau, Gabriel, Brussels, Belgium. Preselective apparatus for gear changing. 2,116,616; May 10.
Chemische Fabrik Grünau, Landshoff & Meyer Akt. Ges. (See Formhals, Richard, assignor.)
Chemische Fabrik Theod. Rotta. (See Quehl, Kurt, assignor.)
Chilton, Roland, Ridgewood, N. J., assignor to The Reed Propeller Co., Inc. Dynamic damper. 2,116,861; May 10.
Chinoin Gyogyszer-Es Vegyeszeti Termekek Gyara R. T. (Dr. Keresztv and Dr. Wolf.) (See Wolf, Emil, assignor.)
Chireix, Henri, assignor to Compagnie Generale de Telegraphie Sans Fil, Paris, France. Radio beacon and blind landing system. 2,116,667; May 10.
Chrysler Corporation et al. (See Breer, C., Goode, and Sherman, assignors.)
Chrysler Corporation et al. (See Conrad, Frank, assignor.)
Chrysler Corporation et al. (See Conrad, F., and Goode, assignors.)
Clark, Jesse S., Lemon Grove, Calif. Hinge. 2,117,148; May 10.
Clark, Rufus B., St. Louis, Mo. Bathtub support. 2,117,233; May 10.
Cleveland Trust Company, The. (See Hollman, P. I., and Hobson, assignors.)
Clevenger, Jerry M., Maywood, Ill. Packing stabber. 2,117,149; May 10.
Clipper Belt Lacer Company. (See Diamond, James K., assignor.)
Coffey, Irven E., Pine Lawn, Mo. Automatic fuel vaporizer and auxiliary fuel supply for internal combustion engines. 2,116,596; May 10.
Cohen, Joseph H., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar-lighter. 2,117,232; May 10.
Cohon, Benjamin J., assignor to Natalie Shades, Inc., New York, N. Y. Ornamental material. 2,117,240; May 10.
Colin, Ray J., Chicago, Ill. Script timing device. 2,116,507; May 10.
Colt, Samuel S., Orange, N. J. Concrete form tie. 2,116,597; May 10.
Colvin, Charles H., Point Pleasant Beach, N. J. Aircraft navigating instrument. 2,116,508; May 10.
Colwell, Harold. (See Harr, H. E., and Colwell.)
Combustion Engineering Company. (See Toensfeldt, Kurt, assignor.)
Compagnie Generale de Telegraphie Sans Fil. (See Chireix, Henri, assignor.)
Compo Shoe Machinery Corporation. (See Card, William C., Jr., assignor.)
Connor, Kirke W., and A. Bleasdale, Detroit, Mich., assignors to Micromatic Hone Corporation. Adjusting means for honing tools. 2,116,925; May 10.
Connors Steel Company. (See Naish, Fred H., assignor.)
Conover, Courtney, St. Louis, Mo. Game apparatus. 2,117,080; May 10.
Conrad, Frank, Wilkinsburg, assignor of one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., and one-half to Chrysler Corporation, Detroit, Mich. Double-winding generator and rectifier combination. 2,117,019; May 10.
Conrad, Frank, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Copper-oxide rectifier. 2,117,020; May 10.
Conrad, Frank, Wilkinsburg, Pa., and G. C. Goode, Birmingham, Mich., assignors of one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., and one-half to Chrysler Corporation, Detroit, Mich. Battery-charging system. 2,117,018; May 10.
Consolidated Expanded Metal Companies, The. (See Cross, Leonard W., assignor.)
Conterman, Fred A., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y. Washing machine. 2,116,695; May 10.
Continental Can Company. (See Kronquest, Alfred L., assignor.)
Cook, Harry A., Winnebago, Nebr. Rail anchor and tie plate. 2,117,150; May 10.
Cooper Oven Thermometer Company, The. (See Whittier, Elmer S., assignor.)
Copeland, Peter, and L. L. Greneker, New York, N. Y. Model. 2,117,081; May 10.
Corbett, Claude M. (See Lyons, Louis, assignor.)
Cotes, Lester D., Dayton, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Expanding flame oil burner system. 2,117,021; May 10.
Cottrell, Frederick G., Washington, D. C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Electric filtration system. 2,116,509; May 10.
Cowan, Alan F., Shirley, assignor to The Metal Box Company Limited, London, England. Tin box intended to be vacuumized, or like container. 2,117,151; May 10.
Cox, Vernon L. (See Ashdown, K. T., and Cox.)
Cramer, Paul L., Highland Park, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Conversion of hydrocarbons. 2,117,022; May 10.
Cramer, Raymond H., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Gauging machine. 2,116,926; May 10.
Crane Co. (See Zinkil, R. H., and Fredrickson, assignors.)
Crawford, Arthur B., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable tuned circuits. 2,116,996; May 10.
Crawford, Robert B. P. (See Brace, K. P., and Crawford.)

Cremer, Charles W., Des Moines, Iowa, assignor to Calumet Refining Company, Chicago, Ill. Demonstrating apparatus. 2,116,617; May 10.

Crescent, André J. A., Paris, and A. J. Robinet, Villefranche-sur-Saone, France; said Robinet assignor to said Crescent. Container for the transport of merchandise. 2,116,825; May 10.

Crocker-Wheeler Electric Manufacturing Company. (See Spencer, Millard C., assignor.)

Crockett, Harry L., assignor to Winchester Repeating Arms Company, New Haven, Conn. Firearm. 2,116,618; May 10.

Crosley, Powel, Jr., and R. H. Money, assignors to The Crosley Radio Corporation, Cincinnati, Ohio. Refrigerator construction. 2,116,619; May 10.

Crosley Radio Corporation, The. (See Crosley, P., Jr., and Money, assignors.)

Cross, Leonard W., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Reinforcement for plastic material. 2,116,668; May 10.

Crosti, Pietro, Milan, Italy. Pipe joint. 2,117,152; May 10.

Crown Cork & Seal Company. (See Stewart, Robert J., assignor.)

Crum, Roland R., assignor of one-fourth to E. A. Perkins and three-eighths to F. W. Brainard, Whittier, Calif. Roller bit structure. 2,116,561; May 10.

Cruser, Victor I., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Soldering iron. 2,116,562; May 10.

Curtiss-Wright Corporation. (See Blaylock, R. C., and Trimbach, assignors.)

Cyr, George J., Jr., Manchester, N. H. Heel plate for skiing. 2,116,969; May 10.

Dadson, Thomas E., Royal Oak, assignor to Electromaster, Inc., Detroit, Mich. Oven construction. 2,116,669; May 10.

Daisley, Robert H., Birmingham, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Compensating valve operating device. 2,116,749; May 10.

Danielson, Archibald G., Riverside, Ill. Adjustable curved ruler. 2,116,563; May 10.

Darby, J. F. (See Porter, Albert N., assignor.)

Darbyshire, Leonard H., Detroit, Mich., assignor to Borg-Warner Corporation. Constructing a cabinet. 2,117,082; May 10.

Dashner, Ralph L., assignor to R-B-M Manufacturing Company, Logansport, Ind. Dome light. 2,116,750; May 10.

Davis, Carlton C., Glen Ellyn, and J. H. Gregory, Wheaton, assignors to Great Western Athletic Goods Co., Chicago, Ill. Playing ball center. 2,117,083; May 10.

Davis, William A., Chicago, Ill. Adjustable stretcher frame. 2,117,055; May 10.

Dawson, Charles W., Oakmont, assignor to Woodings-Verona Tool Works, Verona, Pa. Forging apparatus. 2,116,670; May 10.

Day, J. H., Company, The. (See Kirchhoff, William G., assignor.)

Day, Thomas R., Buffalo, N. Y. Fog nozzle. 2,116,879; May 10.

Dealers' Manufacturing Company. (See Hudson, Finn S., assignor.)

Deans, Arthur C., Los Angeles, Calif. Luminous tube sign. 2,116,721; May 10.

Dee, Harold D., Los Angeles, Calif. Self locking cable hook. 2,116,880; May 10.

De Lape, David E., Pasadena, Calif. Machine for breaking and decorticating bast fibers. 2,116,997; May 10.

Delich, Peter, Duluth, Minn. Window construction. 2,116,781; May 10.

Deller, Anthony W. (See Koeppl, Carl G., assignor.)

Delove, James J., Neenah, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Interfolding machine. 2,116,782; May 10.

De Monge, Gerard, Flostoy, Belgium. Thermionic tube compensator for aerials. 2,116,696; May 10.

Deremer, Floyd E., Detroit, Mich. Silencer construction. 2,116,751; May 10.

De Ropp, Harald W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Urea synthesis. 2,116,881; May 10.

Deubel, Karl, Jersey City, N. J. Preserving butterflies. 2,116,752; May 10.

Deutsche Gold- und Silber-Scheideanstalt, vormals Roessler. (See Finkenbeiner, H., and Schmiche, assignors.)

Dewas, Raymond, Amiens, France. Weft feeder for weaving looms. 2,116,620; May 10.

Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Belt and tape cutting machine. 2,117,153; May 10.

Dickey, Edward A., Aliquippa, Pa. Brake system for motor vehicles. 2,116,882; May 10.

Dictaphone Corporation. (See Beard, T. H., Renholdt, and Merritt, assignors.)

Dinets, Adolph M., Detroit, Mich. Combination tumbler and washer. 2,116,753; May 10.

Dinley, Clarence F., assignor, by mesne assignments, to Solvent Machine Company, trustee, Detroit, Mich. Apparatus for treatment with solvents. 2,116,862; May 10.

Dinley, Clarence F., assignor, by mesne assignments, to Solvent Machine Company, trustee, Detroit, Mich. Spray and jet nozzle. 2,116,863; May 10.

Dirkes, Robert F., Jamaica, N. Y., E. R. Wheeler, Plainfield, and V. R. Kimball, Palisade Park, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph printer. 2,117,241; May 10.

Disston, Henry, & Sons, Incorporated. (See Charlton, Richard C., assignor.)

Ditto, Incorporated. (See Hernlund, John W., assignor.)

Dixon, Paul H., Salem, Mass, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe. 2,116,621; May 10.

Dolce, Jerry P. (See Brown, L. S., and Dolce.)

D'Ollive, Charles R., assignor to Stewart-Warner Corporation, Chicago, Ill. Movable carrier for storage cabinets. 2,116,564; May 10.

Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. All-wave antenna and coupler system. 2,117,154; May 10.

Doolittle, Howard C. (See Bristoll, H. C., Sanford, and Doolittle.)

Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electrical contact means. 2,116,510; May 10.

Douglas, John, Company, The. (See McNeil, Daniel W., assignor.)

Dover Stamping and Manufacturing Company. (See Walker, George A., assignor.)

Downer, George V., St. Pancras, England. Electric lamp. 2,116,722; May 10.

Dowsett, Harry M., Winchmore Hill, London, England, and R. Cadzow, Ardentinny, Scotland, assignors to Radio Corporation of America. Cathode ray oscillograph. 2,116,671; May 10.

Doxsee, Harvey, Jr., Collier City, Fla., assignor to Fred Fear & Co., Brooklyn, N. Y. Dredge. 2,116,883; May 10.

Draper Corporation. (See Brown, Carl D., assignor.)

Draper, William V., and F. W. Young, Palms, assignors of one-third to C. L. Stokes, Los Angeles, Calif. Making composite pictures. 2,116,826; May 10.

Dreyfus, Henry, London, England. Manufacture of a lower fatty acid anhydride. 2,116,656; May 10.

Dreyfus, Henry, London, England. Manufacture of a lower aliphatic anhydride. 2,116,657; May 10.

Driesner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Metalworking machine. 2,116,565; May 10.

Dry-Zero Corporation. (See Lindsay, Harvey B., assignor.)

Dubled, Edouard & Cie. Société Anonyme. (See Korber, Hans, assignor.)

Dunn, Burton B. (See Payne, R. L., and Dunn.)

Dunn, Frederick R., Lockport, assignor to American Distric Steam Company, North Tonawanda, N. Y. Steam trap. 2,117,056; May 10.

Duplex Envelope Company, The. (See Shomaker, Wesley P., assignor.)

Du Pont, E. I., de Nemours & Company. (See Arnold, H. R., and Lazier, assignors.)

Du Pont, E. I., de Nemours & Company. (See de Ropp, Harold W., assignor.)

Du Pont, E. I., de Nemours & Company. (See Ensminger, George R., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hinegardner, Wilbie S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Johnson, Norman G., assignor.)

Du Pont, E. I., de Nemours & Company. (See Kreimeier, O. R., and Maxwell, assignors.)

Du Pont, E. I., de Nemours & Company. (See Lenher, S., and Gillson, assignors.)

Du Pont, E. I., de Nemours & Company. (See Milns, Nicholas A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Pitman, Earle C., assignor.)

Dussel, Cornelis J., assignor, by mesne assignments, of one-half to C. A. Jelier, The Hague, Netherlands. Calculating device. 2,117,155; May 10.

Earle, Theodore, Denver, Colo. Paper stock deinking method. 2,116,511; May 10.

Eason, Clarence M., assignor to Industrial Clutch Company, Waukesha, Wis. Clutch mechanism. 2,116,739; May 10.

Eason, Clarence M., Waukesha, Wis., assignor to Industrial Clutch Company. Clutch. 2,116,740; May 10.

Eastwood-Nealley Corporation. (See Webb, Nelson W., assignor.)

Eaton Manufacturing Company. (See Daisley, Robert H., assignor.)

Eclipse Aviation Corporation. (See Stein, Fred A., assignor.)

Economic Machinery Company. (See Holm, Carl, assignor.)

Edwards, O. M., Company, The. (See Edwards, O. M., and Nelson, assignors.)

Edwards, Oliver M., Syracuse, and R. B. Nelson, Onondaga, assignors to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window construction. 2,116,754; May 10.





Ehnbom, Bo K. G., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 2,116,998; May 10.

Eisenmenger, Carl H., Wilmington, Del. Dispensing apparatus for beverages. 2,116,622; May 10.

Eklov, Karl V., Detroit, Mich. Automatic paint striper. 2,117,023; May 10.

Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 2,116,598; May 10.

Eksergian, Carolus L., and P. W. Gaensslе, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Artillery wheel. 2,116,599; May 10.

Electric Boat Company. (See Tremaine, Glenville S., assignor.)

Electric Steel Foundry Company. (See Barnes, Brown E., assignor.)

Electromaster, Inc. (See Dadson, Thomas E., assignor.)

Elenbaas, Willem, Eindhoven, Netherlands, assignor to General Electric Company. Electric gaseous discharge device. 2,116,741; May 10.

Elenbaas, Willem, and G. B. Jones, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge device. 2,116,742; May 10.

Elmes, John A., assignor to Keystone Driller Company, Beaver Falls, Pa. Sheave mounting for drillers. 2,117,084; May 10.

Endicott Johnson Corporation. (See Exley, Leo F., assignor.)

Engel, William H., Mount Vernon, Ohio, assignor to Shellmar Products Company, Chicago, Ill. Bag machine. 2,116,566; May 10.

Engler, Peter J. W., assignor to the firm of Hansa-Muhle Aktiengesellschaft, Hamburg, Germany. Continuous oil extracting apparatus. 2,117,118; May 10.

Ensminger, George R., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing laminated material. 2,117,085; May 10.

Ens, Anton, et al. (See Werner, Eugene K., assignor.)

Eramo, Patrick A., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Manufacture of ring binders. 2,117,242; May 10.

Ericson, George R., Kirkwood, and J. H. Klasey, St. Louis, Mo., assignors, by mesne assignments, to Bendix Products Corporation, South Bend, Ind. Tire retreading machine. 2,116,512; May 10.

Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Wringer mechanism. 2,116,755; May 10.

Evans Case Company. (See Bowen, William F., assignor.)

Evans, Percival T., Coventry, England. Method of and apparatus for manufacturing links for V-belting from sheet material 2,117,057; May 10.

Everlastik, Incorporated. (See Hodgkins, Albert A., assignor.)

Ewest, Hans, Berlin-Lichterfelde-Ost, and G. Gaidies, Berlin-Pankow, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,116,672; May 10.

Exley, Leo F., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Mold for shoe counters. 2,116,940; May 10.

Fairrie, James L., London, England. Molding machine. 2,117,156; May 10.

Fear, Fred, & Co. (See Doxsee, Harvey, Jr., assignor.)

Fehrenbach, Anton, New York, N. Y. Massage and shampoo device. 2,116,864; May 10.

Fehse, Adolf. (See Pirani, M., and Fehse.)

Feminella, John G., Brooklyn, N. Y. Dental flask. 2,117,086; May 10.

Ferris, Robert G., assignor to Starline, Inc., Harvard, Ill. Preserving green fodder and product. 2,117,058; May 10.

Finkenbeiner, Hermann, Constance, and W. Schmiche, Buchschlag, assignors to Deutsche Gold- und Silber-Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany. Preparation of formaldehyde concentrates. 2,116,783; May 10.

Firestone Steel Products Company, The. (See Brink, Winfield S., assignor.)

Firestone Tire & Rubber Company, The. (See Workman, Clarence E., assignor.)

Fisher, Gerald M., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of lead manganese naphthenate. 2,116,884; May 10.

Fisher, Joseph R., Brooklyn, and C. O. Mallinckrodt, Forest Hills, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical transmission control. 2,116,600; May 10.

Fisher, Lawrence E. (See Frank, W. H., and Fisher.)

Fisher, Lawrence E., and W. H. Frank, Detroit, Mich. Switch. 2,116,673; May 10.

Flint, Francis C., Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass batch. 2,116,623; May 10.

Florman, Irving, New York, N. Y. Container. 2,117,157; May 10.

Földi, Zoltán, Budapest, Hungary. Polyhydroxy leuco derivatives of triphenylmethane and their production. 2,116,827; May 10.

Foote Company, The. (See Lundbye, Axel E., assignor.)

Formhals, Anton, assignor of forty-five one-hundredths to R. Schreiber-Gastell, Mainz, Germany. Method and apparatus for the production of fibers. 2,116,942; May 10.

Formhals, Richard, assignor to Chemische Fabrik Grünau, Landshoff & Meyer Akt. Ges., Berlin-Grunau, Germany. Protein-carbohydrate fertilizer. 2,117,087; May 10.

Foster, Walter W., Wichita Falls, Tex. Spinner hoist cathead control. 2,116,497; May 10.

Foster Wheeler Corporation. (See Frisch, Martin, assignor.)

Fouch, Noah B. (See Bullard, J. O., and Fouch.)

Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gaseous electric discharge device and operating the same. 2,116,677; May 10.

Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric gaseous discharge device. 2,116,678; May 10.

Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gaseous electric discharge device and operating same. 2,116,970; May 10.

Francis, Clifford B., Washington Mills, N. Y. Crutch or cane spike. 2,116,941; May 10.

Frank, Harrison J. L., Detroit, Mich. Switch cabinet. 2,116,658; May 10.

Frank, William H. (See Fisher, L. E., and Frank.)

Frank, William H. (See Harper, W. A., and Frank.)

Frank, William H., and L. E. Fisher, Detroit, Mich. Electrical distribution system. 2,116,676; May 10.

Frank, William H., and J. A. Messing, Detroit, Mich. Switch. 2,116,675; May 10.

Frankenstein, William P., Cincinnati, Ohio. Collapsible carton. 2,116,513; May 10.

Franklin, Benjamin B. (See Keehnel, Roy B. and N., assignors.)

Franklin Tile Company. (See McElroy, Harold S., assignor.)

Frederickson, Edward A. (See Zinkil, R. H., and Frederickson.)

French, William J., Nunhead, London, England. Advertising or display device. 2,117,088; May 10.

Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. Temperature controlling means for railway cars. 2,117,243; May 10.

Freund, Henry L., and W. L. R. Menges, St. Louis, Mo. Container. 2,116,567; May 10.

Frey, Frederick E., and H. J. Henn, Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacturing hydrocarbon oils. 2,116,723; May 10.

Freyberg, Ernst, Chemische Fabrik Delitia. (See Freyberg, W., and Haupt, assignors.)

Freyberg, Werner, and W. Haupt, assignors to Ernst Freyberg Chemische Fabrik Delitia, Delitzsch/Sachsen, Germany. Exterminating corn beetles and other vermin. 2,117,158; May 10.

Friedman, Joseph B., San Francisco, Calif. Gas range. 2,116,885; May 10.

Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Pulverizing system. 2,116,601; May 10.

Gadd, Edward, et al. (See Hazey, George W., assignor.)

Gaensslе, Paul W. (See Eksergian, C. L., and Gaensslе.)

Gagné, Augustin. (See Lawson, R. H., and Gagné.)

Gaidies, Georg. (See Ewest, H., and Gaidies.)

Gale, Robert E., Sawyerwood, Ohio. Door latch operating mechanism. 2,117,160; May 10.

Gallon Iron Works & Mfg. Co., The. (See Arndt, Franklin E., assignor.)

Gallasch, George B., and H. F. Kurtz, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope. 2,117,161; May 10.

Gammeter, John R. (See Van Hyning, Rollyn, assignor.)

Garami, Joseph, New York, N. Y. Convertible automobile body. 2,117,059; May 10.

Garratt, Walter A., Covington, Ky. Adjusting mechanism for transmissions. 2,116,624; May 10.

Gates, John C., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Stencil card holder. 2,116,568; May 10.

Gay, Carl W. (See Smith, C. H., and Gay.)

Gearson, Ralph J., assignor to Arvey Corporation, Chicago, Ill. Laminated construction and method. 2,116,828; May 10.

Geesaman, Alvin J., Cedar Rapids, Iowa. Bag holder. 2,116,784; May 10.

General Aniline Works, Inc. (See Münz, Ferdinand, assignor.)

General Aniline Works, Inc. (See Schmidt, K., and Wahl, assignors.)

General Chemical Company. (See Carter, Bernard M., assignor.)

General Electric Company. (See Ashdown, K. T., and Cox, assignors.)

General Electric Company. (See Auger, Claude H., assignor.)

General Electric Company. (See Dome, Ronert B., assignor.)

General Electric Company. (See Elembaas, Willem, assignor.)

General Electric Company. (See Elenbaas, W., and Jonas, assignors.)

General Electric Company. (See Ewest, H., and Gaides, assignors.)

General Electric Company. (See Harty, Edgar A., assignor.)
General Electric Company. (See Inman, George E., assignor.)
General Electric Company. (See Kern, J., and Krefft, assignors.)
General Electric Company. (See McNairy, Jacob W., assignor.)
General Electric Company. (See Nippold, Max, assignor.)
General Electric Company. (See Pirani, M., and Fehse, assignors.)
General Electric Company. (See Rompe, Robert, assignor.)
General Electric Company. (See Wiegand, Kurt, assignor.)
General Electric Vapor Lamp Company. (See Foulke, Ted E., assignor.)
General Motors Corporation. (See Cramer, Paul L., assignor.)
General Motors Corporation. (See Cramer, Raymond H., assignor.)
General Motors Corporation. (See Helgeby, R. O., and Harada, assignors.)
General Motors Corporation. (See Keighley, Lloyd M., assignor.)
General Motors Corporation. (See Pearce, George C., assignor.)
General Motors Corporation. (See Schjolin, Eric O., assignor.)
General Motors Corporation. (See Schweller, Edmund F., assignor.)
General Motors Corporation. (See Thornburgh, H. A., and Brown, assignors.)
General Motors Corporation. (See Werner, Calvin J., assignor.)
General Timber Service, Inc. (See Payzant, Henry H., assignor.)
General Tire & Rubber Company. (See Vecsey, William E., assignor.)
Gerner, Edmund, Berlin-Wannsee, Germany. Electrical discharge device. 2,116,927; May 10.
Geyer, Ernest H., assignor of one-half to H. A. Taubensee, Chicago, Ill. Joint for concrete slabs. 2,116,697; May 10.
Giardina, Vincent, and A. Primos, assignors to American Safety Hook Co., Inc., New Orleans, La. Hook and eye door fastener. 2,117,159; May 10.
Giddings, Horace, San Francisco, Calif. Car ventilator. 2,117,000; May 10.
Gillson, Joseph L. (See Lenher, S., and Gillson.)
Goby, Clifford S. (See Stevenson, T., and Goby.)
Goebert, Elmer C. (See Lucht, V. F., and Goebert.)
Goehring, William E., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Bank vault ventilator. 2,117,244; May 10.
Goetz, Rowland W., Mount Lebanon, Pa. Floor joist. 2,116,886; May 10.
Göhre, Kurt R., Frankfort-on-the-Main, Germany, assignor to American Largi Corporation, New York, N. Y. Working up of lead ores. 2,116,679; May 10.
Gold, Nathan, Portland, Oreg. Device for turning neckties. 2,116,569; May 10.
Goldblatt, Henry J., and J. B. Kessel, assignors to Vidrio Products Corporation, Chicago, Ill. Culinary appliance. 2,116,756; May 10.
Goldman, David, assignor of one-half to H. Goldman, New York, N. Y. Yarn fabric-package. 2,116,570; May 10.
Goldman, Hilda. (See Goldman, David, assignor.)
Goode, Gilbert C. (See Breer, Carl, Goode, and Sherman.)
Goode, Gilbert C. (See Conrad, F., and Goode.)
Goodrich, Robert R., 2nd, Camden, N. J., assignor to Radio Corporation of America. Electronic oscillator and multiplier. 2,117,089; May 10.
Gould, Allen A., Cleveland, Ohio. Attachment for motor vehicles. 2,116,757; May 10.
Gould Coupler Corporation. (See Akitt, Norman B., assignor.)
Gouse, Glen M., Carlisle, Pa. Door holder. 2,117,060; May 10.
Grabler Manufacturing Company, The. (See McCabe, Frank E., assignor.)
Grant, Elmore L., Los Angeles, Calif. Navigation apparatus. 2,116,625; May 10.
Great Western Athletic Goods Co. (See Davis, C. C., and Gregory, assignors.)
Greenleaf, Walter J., and L. Skeel, Meadville, Pa. Drafting device. 2,116,887; May 10.
Gregory, Jesse H. (See Davis, C. C., and Gregory.)
Greneker, Lillian L. (See Copeland, P., and Greneger.)
Griffith, Clement P., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Repeating meter. 2,116,785; May 10.
Grodzka, Frederick, Berlin, Germany, assignor to Progress Corporation, New York, N. Y. Cuticle remover. 2,116,886; May 10.
Gross, Charles, Detroit, Mich., assignor to Transportation Systems Inc., Tulsa, Okla. Combined road and rail vehicle. 2,116,786; May 10.
Grotbery, Ivan W., Laconia, N. H., assignor to Scott & Williams, Incorporated, New York, N. Y. Circular knitting machine. 2,117,245; May 10.
Grundmann, Gustave L., Westmont, N. J., assignor to Radio Corporation of America. Adjustable ultra high frequency oscillator. 2,117,090; May 10.
Gudmundsen, Austin, assignor to Gudmundsen-Stratton Laboratories, Inc., Milwaukee, Wis. Water softener. 2,117,091; May 10.
Gudmundsen-Stratton Laboratories, Inc. (See Gudmundsen, Austin, assignor.)
Guildford, Joseph R., Regina, Saskatchewan, Canada. Compression stop and drain valve. 2,116,626; May 10.
Guiterman, Kenneth S., Hewlett Bay Park, Hewlett, N. Y. Shingle. 2,117,092; May 10.
Gunther, Hermann, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine safety device. 2,116,889; May 10.
Gurwick, Irving, assignor to Shellmar Products Company, Mount Vernon, Ohio. Bag manufacture. 2,116,571; May 10.
Hagiund, Hakon H., assignor to The Western Union Telegraph Company, New York, N. Y. Electron discharge device. 2,117,246; May 10.
Halbing, John M. (See Rockefeller, H. E., and Halbing.)
Hale, Douglas A. S., and V. L. Ronci, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,117,001; May 10.
Hale, George C., and W. H. Rinkenbach, Dover, N. J. Priming compositions. 2,116,514; May 10.
Hall, Ernest A., assignor to The Hall Manufacturing Company, Toledo, Ohio. Grinding machine. 2,116,498; May 10.
Hall, Harvey H., Denver, Colo. Disappearing wall bed. 2,116,498; May 10.
Hall Manufacturing Company, The. (See Hall, Ernest A., assignor.)
Hall, Martyn L., Ellsworth Falls, Maine. Feed dispensing apparatus for poultry or the like. 2,116,699; May 10.
Hamel, Richard T., Beverly Hills, Calif. Bladed implement. 2,116,890; May 10.
Hamilton, William S. H., Larchmont, and F. W. Butt, Woodside, N. Y., assignors to The New York Central Railroad Company. Centering device for articulated trucks. 2,116,944; May 10.
Hamilton, William S. H., Larchmont, and K. B. Rowell, Yonkers, N. Y., assignors to The New York Central Railroad Company. Steam heating boiler control for electric locomotives. 2,116,943; May 10.
Hammond, Laurens, Chicago, Ill. Keyboard for musical instruments. 2,117,002; May 10.
Hanak, Albert, Philadelphia, Pa. Production of solder and terne metals. 2,116,891; May 10.
Handelman, H. H., et al. (See Hasey, George W., assignor.)
Hanes Hosiery Mills Co. (See Miller, Eugene F., assignor.)
Hanneman, Robert G., Chicago, Ill. Gripping implement. 2,116,928; May 10.
Hansa-Muhle Aktiengesellschaft. (See Engler, Peter J. W., assignor.)
Hansen, Jens P., Copenhagen, Denmark. Blowing device powders. 2,117,093; May 10.
Harada, Henry H. (See Helgeby, R. O., and Harada.)
Harnischfeger Corporation. (See Oesterlein, William J., assignor.)
Harper, William A., and W. H. Frank, Detroit, Mich. Electrical distribution system. 2,116,674; May 10.
Harr, Herman E., Long Beach, and H. Colwell, Downey, Calif. Casing perforator. 2,116,572; May 10.
Harrington, Joseph, Riverside, Ill. Apparatus for drying and destroying municipal wastes. 2,116,573; May 10.
Harris, Morris, Los Angeles, Calif. Fastening means for breeches. 2,116,700; May 10.
Harris, Ralph W., Pequannock, N. J. Package and package implement. 2,117,162; May 10.
Harshaw Chemical Company, The. (See Harshaw, William J., assignor.)
Harshaw, William J., Shaker Heights, assignor to The Harshaw Chemical Company, Elyria, Ohio. Electrodeposition anode. 2,116,929; May 10.
Harshberger, Russell P., Pasadena, Calif. Ashtray and extinguisher. 2,116,659; May 10.
Hart, George H., West Hartford, assignor to The Hart Manufacturing Company, Hartford, Conn. System of control for electric ranges. 2,116,787; May 10.
Hart Manufacturing Company, The. (See Hart, George H., assignor.)
Harty, Edgar A., Marblehead, Mass., assignor to General Electric Company. Manufacturing contact rectifiers. 2,117,164; May 10.
Hasinuer, Adolf, East Orange, N. J., assignor to Superior Tube Company, Philadelphia, Pa. Thermionic valve electrode construction. 2,116,788; May 10.
Hasiauer, Adolf, East Orange, N. J., assignor to Superior Tube Company, Philadelphia, Pa. Tube forming machine. 2,116,971; May 10.
Haspel Brothers, Inc. (See Haspel, Joseph, assignor.)
Haspel, Joseph, assignor to Haspel Brothers, Inc., New Orleans, La. Coat and method of manufacture. 2,117,163; May 10.
Hasselmann, Karl F., New York, N. Y., assignor, by mesne assignments, to The Salt Dome Oil Corporation, Houston, Tex. Apparatus for making geophysical measurements. 2,117,003; May 10.



Haupt, Walter. (See Freyberg, W., and Haupt.)
Havenor, Gloster P. (See Kleinicke, W. E., and Havenor.)
Hawkes, Harry A., Chelsea, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Rounding machine and knife therefor. 2,116,880. May 10.
Hawley, Jesse G., Painted Post, assignor to Hawley-Jones Corporation, Riverside, N. Y. Brake. 2,116,515; May 10.
Hawley-Jones Corporation. (See Hawley, Jesse G., assignor.)
Hazel-Atlas Glass Company. (See Flint, Francis C., assignor.)
Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for slotting heels. 2,116,627; May 10.
Hazey, George W., Cleveland, Ohio, assignor of twenty-five per cent to R. C. Tuma, Los Angeles, Calif., six and two-thirds per cent to H. H. Handelman, Cleveland, ten percent to E. Gadd, Leavittsburg, and twenty-five per cent to E. C. Tuma, Cleveland, Ohio. Apparatus for casting metal. 2,117,114; May 10.
Head, Robert, Yonkers, N. Y. Automatic gear selector and shift. 2,116,892; May 10.
Heddon's, James, Sons. (See Bear, Paul S., assignor.)
Hedgcock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Truck. 2,116,789; May 10.
Heilbron, Isidor M., Manchester, F. Irving, Grangemouth, and R. P. Linstead, London, England, assignors to Imperial Chemical Industries Limited. Coloring matters of the phthalocyanine type. 2,116,602; May 10.
Heinze, Charles F., St. Paul, Minn. Internal combustion motor. 2,116,574; May 10.
Heise, Otto W., Bridgeport, Conn. Pressure gauge. 2,116,628; May 10.
Heisel, Paul, Gersthofen, near Augsburg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Chlorinating and brominating carbonyl compounds. 2,116,893; May 10.
Helehan, Marie L., Butte, Mont. Lip stencil. 2,117,061; May 10.
Helgeby, Ralph O., and H. H. Harada, Flint, assignors to General Motors Corporation, Detroit, Mich. Odometer. 2,117,024; May 10.
Hemphill Company. (See Lawson, R. H., and Gagné, assignors.)
Henderson, Thomas M., Toronto, Ontario, Canada. Wrench. 2,116,743; May 10.
Hepp, Harold J. (See Frey, F. E., and Hepp.)
Hernlund, John W., Western Springs, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 2,117,165; May 10.
Hersberg, Gustav, Maplewood, N. J., assignor to Atlas Specialty Co., Vibrationproof lamp. 2,116,575; May 10.
Hesse, Charles J., Footscray, Victoria, Australia. Bracket for awning blinds. 2,116,972; May 10.
Hestes, Robert L., Pyote, Tex. Portable combination table and tourist case. 2,117,166; May 10.
Heymer, James K., Minneapolis, Minn. Bracket and headboards for Venetian blinds. 2,117,167; May 10.
Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Vehicle spring suspension. 2,116,516; May 10.
Hickman Pneumatic Seat Co. (See Hickman, Albert F., assignor.)
Hill, Curtiss L., assignor of one-half to R. C. McRae, Tacoma, Wash. Automatic steering mechanism. 2,116,629; May 10.
Hinegardner, Wilbie S., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stimulation of mold growth. 2,116,517; May 10.
Hitchens, Sherman B., Missouri Valley, Iowa. Snow plow. 2,116,945; May 10.
Hobart Manufacturing Company, The. (See Meeker, David A., assignor.)
Hobart Manufacturing Company, The. (See Roush, L., and Riedel, assignors.)
Hobson, Stanley H. (See Hollman, P. I., and Hobson.)
Hodgkins, Albert A., Marblehead, assignor to Everlastik, Incorporated, Chelsea, Mass. Woven elastic fabric. 2,116,701; May 10.
Hoerner, John P., Harrisburg, Pa. Attachment for lawn mowers. 2,116,829; May 10.
Hollman, Peter I., and S. H. Hobson, Rockford, Ill., assignors, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Automatic oven lighter. 2,116,830; May 10.
Hollup Corporation. (See Bernard, Arthur A., assignor.)
Holly, Ludwig F., Madison, N. J. Transferring loose bulk material. 2,116,603; May 10.
Holm, Carl, assignor to Economic Machinery Company, Worcester, Mass. Label pressing device. 2,116,790; May 10.
Holt, Albert C. (See Lemmon, W. S., and Holt.)
Holzbaur, Eugen, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung. Pneumatic governor for internal combustion engines. 2,117,247; May 10.
Holzner, Adolf, Brooklyn, N. Y. Counter with telescoped number wheels. 2,117,168; May 10.
Hormann, Roy W., St. Louis, Mo. Bracket for containers. 2,116,576; May 10.
Horstmann, Frederick O., P. F., and J. H. G., Bath, England. Gas pressure governor. 2,116,724; May 10.
Horstmann, John H. G. (See Horstmann, Frederick O., P. F., and J. H. G.)
Horstmann, Percival F. (See Horstmann, Frederick O., P. F., and J. H. G.)
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Suction pump. 2,116,894; May 10.
Houde Engineering Corporation. (See Peo, Ralph F., assignor.)
Howard, Stanley R., Milton, assignor to Penumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,116,895; May 10.
Howe, John C., Sandusky, Ohio. Chain. 2,117,169; May 10.
Hoy, Isaac W., Rhodes, Iowa. Staging bracket. 2,116,831; May 10.
Hoyer, John Z., Conshohocken, Pa., assignor to Kimble Glass Company, Vineland, N. J. Hydrometer barrel plug. 2,117,170; May 10.
Hoyt, Charles E., Beverly, assignor to W. E. Tupper, Topsfield, Mass. Dispensing container. 2,116,973; May 10.
Hubbell, Harvey, Incorporated. (See Hubbell, Harvey, Jr., assignor.)
Hubbell, Harvey, Jr., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Reinforcing jacket for socket shells. 2,116,518; May 10.
Hudson, Finn S., assignor to Dealers' Manufacturing Company, Kansas City, Mo. Metal covered fluid conductor. 2,116,896; May 10.
Hunt, Franklin B., J. H. Pratt, H. S. Tirrell, and R. L. Turner, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Method of and apparatus for producing carbon dioxide. 2,117,025; May 10.
Huntington, Charles M., Ladoga, Ind. Pre-cast building unit or slab and assembling same. 2,116,946; May 10.
Hurst, Max, Stuttgart, and J. Weber, Stuttgart-Feuerbach, Germany, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung. Apparatus for controlling the amount of fuel delivered by an injection pump. 2,117,248; May 10.
Hutson, Canfield. (See Whitehead, W., and Hutson.)
Hutson, Canfield, Cumberland, Md., assignor to Celanese Corporation of America. Formation of artificial filaments, yarns, or threads. 2,116,660; May 10.
Hutten, Henry B., Joliet, Ill., assignor to The Ruberoid Co., New York, N. Y. Shingle. 2,117,094; May 10.
Hutton, Alfred, Erie, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Stoker. 2,116,744; May 10.
Hyman, Julius, assignor to Velsicol Corporation, Chicago, Ill. Synthetic resins and preparation of same. 2,116,499; May 10.
I. G. Farbenindustrie Aktiengesellschaft. (See Heisel, Paul, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Orthner, Ludwig, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Rein, Herbert, assignor.)
Ilsemann, Eric M., assignor to International Decorative Novelty Company, Newark, N. J. Machine for making decorative material. 2,116,577; May 10.
Imperial Chemical Industries Limited. (See Baldwin, A. W., Blackshaw, and Woolvin, assignors.)
Imperial Chemical Industries Limited. (See Heilbron, I. M., Irving, and Linstead, assignors.)
Industrial Clutch Company. (See Eason, Clarence M., assignor.)
Infilco Inc. (See Adelson, Samuel L., assignor.)
Inman, George E., East Cleveland, Ohio, assignor to General Electric Company. Electric lamp. 2,116,681; May 10.
Institute of Paper Chemistry. (See Rowland, Ben W., assignor.)
Intermetal Corporation. (See Jenness, Leslie G., assignor.)
International Business Machines Corporation. (See Armbruster, John W., assignor.)
International Business Machines Corporation. (See Keen, Harold H., assignor.)
International Business Machines Corporation. (See Lemmon, W. S., and Holt, assignors.)
International Business Machines Corporation. (See Noll, Austin R., assignor.)
International Business Machines Corporation. (See Sprecker, Alfred L., assignor.)
International Business Machines Corporation. (See Watson, Glenn W., assignor.)
International Cellucotton Products Company. (See Deloye, James J., assignor.)
International Decorative Novelty Company. (See Ilsemann, Eric M., assignor.)
Ireland, Le Roy H., Minneapolis, Minn. Display device. 2,117,249; May 10.
Iron Fireman Manufacturing Company. (See Richardson, Max C., assignor.)
Irving, Francis. (See Heilbron, I. M., Irving, and Linstead.)
Irwin, Alexander, Pittsburgh, Pa. Maul. 2,117,095; May 10.
Jablonsky, Bruno, London, England. Variable pitch propeller. 2,117,062; May 10.
Jack, Robert. (See Nelson, L. T., and Jack.)
Jackson, John G., assignor to Square D Company, Detroit, Mich. Circuit breaker. 2,116,791; May 10.

Jacobs, Rex C., Detroit, Mich. Door hinge. 2,116,758; May 10.
Jacobsen, Edwin, Altadena, Calif. Paper towel dispenser. 2,116,792; May 10.
James, Owen, Pomona, Calif. Game and game apparatus. 2,116,500; May 10.
James, Thomas, Jr., Audubon, assignor to Universal Slack Adjuster Company, Camden, N. J. Slack adjuster. 2,117,250; May 10.
Jansson, Carl G. (See Wallgren, A. G. F., and Janson.)
Jansson, John A., East Sparta, Ohio. Springless self-closing door. 2,116,832; May 10.
Jay, Dove S., Detroit, Mich. Rotary internal-combustion engine. 2,116,897; May 10.
Jeffrey Manufacturing Company, The. (See Mercier, S. M., and Myer, assignors.)
Jeller, Corcelis A. (See Dunsel, Cornelis J., assignor.)
Jellik, Charles, Jr., St. Louis, Mo. Combination safety oil gauge and light switch. 2,117,063; May 10.
Jenks, Harvey P., Newton, Mass. Spray device for household and laundry purposes. 2,116,833; May 10.
Jenness, Leslie G., Newark, N. J., assignor to Intermetal Corporation, New York, N. Y. Metallurgical furnace. 2,116,726; May 10.
Joachim, Hermann, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Exposure meter. 2,117,004; May 10.
Johns-Manville Corporation. (See Powell, Edward R., assignor.)
Johns-Manville Corporation. (See Wells, Edward H., Jr., assignor.)
Johnson, George A., Trumbull, assignor to The Bryant Electric Company, Bridgeport, Conn. Unit type tumbler switch. 2,117,171; May 10.
Johnson, George A., Trumbull, assignor to The Bryant Electric Company, Bridgeport, Conn. Snap switch. 2,117,172; May 10.
Johnson, Glenn D. (See MacClatchie, J. W., Johnson, and Thies.)
Johnson, Glenn D., assignor to MacClatchie Manufacturing Company of California, Compton, Calif. Expansible cutter tool. 2,116,898; May 10.
Johnson-March Corporation, The. (See Kleinicke, W. E., and Havenor, assignors.)
Johnson, Norman G., Wenonah, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive. 2,117,173; May 10.
Jonas, Gottfried B. (See Elenbaas, W., and Jonas.)
Jones, Donald E., Jackson, Ohio. Casting tubular members. 2,116,630; May 10.
Jones, James M., Great Neck, N. Y. Tooth brush. 2,117,174; May 10.
Jones, La Mar R., Cleveland Heights, Ohio. Clothes hanger. 2,116,631; May 10.
Kalsey, John, North Palo Alto, Calif. Synchronous converter. 2,116,899; May 10.
Kapella Limited. (See Lee, Horace W., assignor.)
Karl, Heinrich, Jersey City, N. J. Safety device for motor vehicles. 2,116,604; May 10.
Karnes, James C., Buffalo, N. Y. Independent elevation indicator for guns. 2,116,519; May 10.
Kaster, Rudolph E., assignor to Henry Vogt Machine Co., Louisville, Ky. Spiral scraper for pipe type chillers. 2,117,175; May 10.
Katzinger, Edward, Company, The. (See Kollman, Jacob, assignor.)
Kearfott Engineering Company. (See Kraemer, Waldo L., assignor.)
Keehnel, Nadine. (See Keehnel, Roy B., and N.)
Keehnel, Roy B. and N., Independence, assignors of fifty per cent to B. B. Franklin, Kansas City, Mo. Finger ring ensemble. 2,117,176; May 10.
Keen, Harold H., Letchworth, England, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Subtracting device. 2,116,661; May 10.
Keen, Thomas A., San Mateo, Calif., assignor to H. M. Smith, River Forest, Ill. Dog starting apparatus. 2,116,520; May 10.
Kégresse, Adolphe, Paris, France. Endless track for vehicles. 2,116,834; May 10.
Kégresse, Adolphe, Paris, France. Flexible joint for machine parts. 2,116,835; May 10.
Keighley, Lloyd M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,116,974; May 10.
Keil, Francis, & Son, Inc. (See Schoorel, A., and Keil, assignors.)
Keil, Henry F. (See Schoorel, A., and Keil.)
Keil, Kornel, Dortmund, Germany. Production of bitumen. 2,117,177; May 10.
Kelly, Hugh, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Snap action mechanism. 2,116,605; May 10.
Kendall, Genevieve A. (See Kendall, Ira H., assignor.)
Kendall, Ira H., assignor to G. A. Kendall, Potsdam, N. Y. Mechanism for receiving and dumping milk. 2,116,865; May 10.
Kennedy, James H., Lansdowne, assignor to Morgan Concentrating Corporation, Philadelphia, Pa. Leveling skid. 2,117,026; May 10.
Kercher, Arthur J., Berkeley, Calif. Electrical thermostat. 2,116,836; May 10.
Kern, Josef, Berlin, and H. Krefft, Berlin-Friedrichshagen, Germany, assignors to General Electric Company. Electric gaseous discharge lamp. 2,116,702; May 10.
Kessel, Johannes B. (See Goldblatt, H. J., and Kessel.)
Ketay, Morris F., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Annunciator system. 2,116,947; May 10.
Ketay, Morris F., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Contactless bell. 2,117,064; May 10.
Ketchpel, Paul A., West Englewood, N. J., assignor, by mesne assignments, to The Standard Stoker Company, Inc. Stoker. 2,116,578; May 10.
Keystone Driller Company. (See Elmes, John A., assignor.)
Kimball, Vernon R. (See Dirkes, R. F., Wheeler, and Kimball.)
Kimball, Wallace D., Jackson Heights, and C. I, Braren, Jamaica, assignors to Standard-Knapp Corporation, Long Island City, N. Y. Can casing machine. 2,116,793; May 10.
Kimble Glass Company. (See Hoyer, John Z., assignor.)
Kingston Products Corporation. (See Douglas, Harry A., assignor.)
Kirby, James B., West Richfield, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, trustee. Laundry machine. 2,116,759; May 10.
Kirchhoff, William G. assignor to The J. H. Day Company, Cincinnati, Ohio. Dough molder. 2,116,930; May 10.
Kirsch Company. (See McKerlie, George F., assignor.)
Kittler, Antonin, Prague, Czechoslovakia. Combination lock. 2,116,837; May 10.
Klasey, John H. (See Ericson, G. R., and Klasey.)
Klawitter, Andrew L., Chicago, Ill. Fluid control device. 2,117,006; May 10.
Kleiderer, Ervin C., and H. A. Shonle, assignors to Eli Lilly and Company, Indianapolis, Ind. Antistreptococcic agents and process of making same. 2,117,251; May 10.
Klein, Irving, Averne, N. Y. Suit hanger. 2,117,178; May 10.
Klein, Victor G., assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 2,116,760; May 10.
Kleinicke, Werner E., Coalwood, W. Va., and G. P. Hevenor, Malba, assignors to The Johnson-March Corporation, New York, N. Y. Method and composition for treating coal. 2,116,682; May 10.
Klicka, George, San Diego, Calif. Building wall construction. 2,116,900; May 10.
Kniskern, Walter H., Petersburg, Va., and C. K. Lawrence, Baldwinsville, assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y. Composition and process for the production of fertilisers. 2,116,866; May 10.
Knoll, Max, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Mosaic electrode for television tubes. 2,116,901; May 10.
Koeppl, Carl G., assignor of one-half to A. W. Deller, New York, N. Y. Apparatus for revivifying spent decolorizing materials. 2,116,976; May 10.
Kollman, Jacob, assignor to The Edward Katzinger Company, Chicago, Ill. Baking pan set construction. 2,116,975; May 10.
Kopp, Peter, Berlin-Friedenau, Germany. Apparatus for production of molded articles. 2,117,179; May 10.
Koppers Company. (See Reppekus, Walter, assignor.)
Korber, Hans, Couvet, assignor to the firm Edouard Dubied & Cie. Société Anonyme, Neuchatel, Switzerland. Jacquard device controlled knitting machine. 2,116,761; May 10.
Kraemer, Waldo L., Brooklyn, N. Y., assignor to Kearfott Engineering Company, Inc. Window construction. 2,116,868; May 10.
Kraeuter, Arthur A., South Orange, N. J., assignor to The Kroydon Company. Golf club joint. 2,116,762; May 10.
Krantz, Rose, Brooklyn, N. Y. Fastening device. 2,117,005; May 10.
Krefft, Hermann. (See Kern, J., and Krefft.)
Kreimeier, Oscar R., and R. W. Maxwell, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Glue, adhesive, and the like. 2,116,867; May 10.
Kritchevsky, Wolf, assignor to Rit Products Corporation, Chicago, Ill. Hair dyeing method and composition. 2,116,521; May 10.
Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 2,117,180; May 10.
Kroydon Company, The. (See Kraeuter, Arthur A., assignor.)
Kucera, Frank A. (See Thompson, C. S., Kucera, and Riviere.)
Kneffer, E. H. (See Metcalf, Herbert E., assignor.)
Kunze, Willy, Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass. Compressional wave sender and receiver. 2,116,522; May 10.
Kunze, Willy, Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass. System and method of distance and depth measurement. 2,116,523; May 10.
Kurtz, Henry F. (See Gallasch, G. B., and Kurtz.)



Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper making machine. 2,116,763; May 10.
La Fleur, Elphege D., Lancaster, Mass. Diminishing feed. 2,116,794; May 10.
Laird, Harold R. (See Bouvier, G. A., and Laird.)
Laise, Clemens A., Tenafly, N. J. Fluorescent lamp. 2,116,977; May 10.
Lamar, David H., Fairmont, W. Va. Antiglare device. 2,117,181; May 10.
Lamb Glass Company, The. (See Arnold, H. W., and Badger, assignors.)
Lamb Knitting Machine Corp. (See Usher, Charles H., assignor.)
Langbein, Harold W., Los Angeles, Calif. Brake indicating and testing device. 2,117,027; May 10.
Langston, Samuel M., Co. (See Sieg, Karl, assignor.)
Larkin, Donald A., Schoolcraft, Mich. Burial vault. 2,116,703; May 10.
Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley device. 2,117,028; May 10.
Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Electric connecter. 2,117,029; May 10.
Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley pole tender. 2,117,030; May 10.
Lassas, Johan A., Lapptrask, Finland. Motor driven cultivator or harrow. 2,117,065; May 10.
Laube, Grover, and C. M. Miller, assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Lens mount. 2,116,704; May 10.
Lawrence, Charles K. (See Kniskern, W. H., and Lawrence.)
Lawson, Robert H., Pawtucket, and A. Gagné, assignors to Hemphill Company, Central Falls, R. I. Bumper bracket for knitting machines. 2,116,632; May 10.
Lazier, Wilbur A. (See Arnold, H. R., and Lazier.)
Lebeckbo, Incorporated. (See Belmont, John, assignor.)
Lee, Edward F., Detroit, Mich. Double walled barrel. 2,116,795; May 10.
Lee, Horace W., Chiswick, London, assignor to Kapella Limited, Leicester, England. Lens for photography and the like. 2,117,252; May 10.
Legat, Robert C., assignor to G. E. Prentice Manufacturing Company, New Britain, Conn. Making fastener units. 2,116,726; May 10.
Lehrfeld, Robert W., Brooklyn, assignor to Premier Metal Etching Co., Long Island City, N. Y. Handbag. 2,116,902; May 10.
Lemieux, Frank J., Rumford, R. I. Printing type spacer or the like. 2,116,948; May 10.
Lemmon, Clair L., Mount Airy, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. System for measuring the characteristics of electrical apparatus. 2,116,606; May 10.
Lemmon, Walter S., and A. C. Holt, assignors to International Business Machines Corporation, New York, N. Y. Coding and decoding machine. 2,116,683; May 10.
Lenher, Samuel, and J. L. Gillson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Flotation process. 2,116,727; May 10.
Lenke, George H., Elmhurst, assignor of one-half to J. J. Ohlis, Oak Park, Ill. Double glazed skylight. 2,116,838; May 10.
Levine, David I., assignor to Lisson & Mellen Company, Lynn, Mass. Spring assembly. 2,116,796; May 10.
Leviton, Abraham, Washington, D. C., assignor to Secretary of Agriculture of the United States of America. Recovery of lactose from whey. 2,116,931; May 10.
Lewis Air Conditioners, Inc. (See Lewis, Carrol E., assignor.)
Lewis, Arthur L. (See Schautz, W. L., and Lewis.)
Lewis, Carroll E., assignor to Lewis Air Conditioners, Inc., Minneapolis, Minn. Air conditioner. 2,116,839; May 10.
Lewis, Dartrey, Boston, Mass., assignor, by mesne assignments, to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Metering valve. 2,117,182; May 10.
Lewis, Florence N., assignor to Elizabeth Arden Sales Corporation, New York, N. Y. Handbag or other article of luggage. 2,116,869; May 10.
Leydecker, Charles P., St. Louis, Mo. Foot-balancing means. 2,116,579; May 10.
Lieberman, Sarah, assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Make-up box. 2,117,097; May 10.
Lilly, Eli, and Company. (See Kleiderer, E. C., and Shonle, assignors.)
Lilly, Eli, and Company. (See Stuart, Elmer H., assignor.)
Lincoln Engineering Company. (See Klein, Victor G., assignor.)
Linder, Ernest G., Philadelphia, Pa., assignor to Radio Corporation of America. Secondary emissive electronic discharge device. 2,117,098; May 10.
Linderman Devices, Incorporated. (See Shaw, William C., assignor.)
Lindsay, Harvey B., assignor to Dry-Zero Corporation, Chicago, Ill. Insulated refrigerator casing. 2,116,662; May 10.
Line Material Company. (See Schultz, William O., assignor.)
Linstead, Reginald P. (See Heilbron, I. M., Irving, and Linstead.)
Lion, Yervant, Fresno, Calif. Brake testing device. 2,117,031; May 10.
Liquid Carbonic Corporation, The. (See Hunt, F. B., Pratt, Tirrell, and Turner, assignors.)
Lisson & Mellen Company. (See Levine, David I., assignor.)
Little, Percival F., Lyon Park, Va. Light ray deflector. 2,116,524; May 10.
Liverance, Frank E., Jr., Grandville, Mich. Engine starting. 2,117,066; May 10.
Lloyd, Harry C., Syracuse, N. Y. Gas burner. 2,116,840; May 10.
Lodding, Frederick W., Worcester, Mass. Doctor mechanism for rolls and cylinders. 2,117,032; May 10.
Long, Allen T., Petersburg, Va. Bag latch. 2,116,949; May 10.
Long, Bernard, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Light filter. 2,116,633; May 10.
Luce, Milton A. San Francisco, Calif. Motor-rail vehicle. 2,116,525; May 10.
Lucht, Victor F., Aberdeen, Md., and E. C. Goebert, U. S. Army, Philadelphia, Pa. Gun carriage. 2,116,526; May 10.
Ludington, Nelson A., New Haven, Conn. Transportation means. 2,117,067; May 10.
Ludington, Nelson A., New Haven, Conn. Transportation means. 2,117,068; May 10.
Lumbard, Henry G., Auburn, Maine. Cushion sole shoe. 2,117,183; May 10.
Lundbye, Axel E., assignor to The Foote Company, Inc., Nunda, N. Y. Concrete paver. 2,117,184; May 10.
Lunkenheimer Company, The. (See Bolton, John W., assignor.)
Lynskey, Joseph M., Riverside, R. I. Apparatus for measuring the volume of liquid in a tank. 2,117,185; May 10.
Lyons, Delia, Corona, N. Y. Making rolled oats cereal flakes. 2,116,634; May 10.
Lyons, Louis, assignor of one-fourth to C. M. Corbett, Shreveport, La. Air conditioner. 2,117,033; May 10.
Maas, Elov F. (See Urquhart, W. R., and Maas.)
MacClatchie, John W., Los Angeles, G. D. Johnson, Compton, and C. A. Thies, Huntington Park, assignors to MacClatchie Manufacturing Company of California, Compton, Calif. Expansible cutter tool. 2,116,903; May 10.
MacClatchie Manufacturing Company of California. (See Johnson, Glenn D., assignor.)
MacClatchie Manufacturing Company of California. (See MacClatchie, J. W., Johnson, and Thies, assignors.)
MacGregor, Peter G., Pequannock, assignor to Pyrene Manufacturing Company, New York, N. J. Pump. 2,116,684; May 10.
MacLaren, William E., Evansville, Ind. Multiimage sign. 2,117,186; May 10.
MacLaren, William E., Evansville, Ind. Multiimage sign. 2,117,187; May 10.
Malden, John W. (See Schidrowitz, P., and Malden.)
Mallinckrodt, Charles O. (See Fisher, J. R., and Mallinckrodt.)
Maly, Joseph, Old Bridge, N. J. Headlight. 2,117,099; May 10.
Manglone, Michael J., Winsted, Conn. Tape holder and cutter. 2,117,253; May 10.
Mann, Charles S., Vancouver, British Columbia, Canada. Dispensing device for collapsible tubes. 2,116,904; May 10.
Manning, Bowman & Co. (See Ratliff, Karl, assignor.)
Manning, Maxwell & Moore, Incorporated. (See Lewis, Dartrey, assignor.)
Marathon Paper Mills Company. (See Brabender, George J., assignor.)
Marathon Paper Mills Company. (See Mull, Arthur B., assignor.)
Marchetti, Guido, Bakersfield, Calif. Electrical measuring instrument. 2,116,950; May 10.
Markel Electric Products, Inc. (See Markel, J., and Ripley, assignors.)
Markel, Joseph, and D. L. Ripley, assignors to Markel Electric Products, Inc., Buffalo, N. Y. Electric lighting fixture. 2,117,188; May 10.
Marx, Franz, and O. Möglich, Wetzlar-on-the-Lahn, Germany. Pipe joint. 2,116,705; May 10.
Maschinenfabrik Augsburg-Nürnberg A. G. (See Pielstick, Gustav, assignor.)
Master Electric Company, The. (See Niekamp, Richard A., assignor.)
Mather Spring Company, The. (See Miller, G. F., and Nilsson, assignors.)
Matheson, Howard W., Montreal, Quebec, and G. O. Morrison, Shawinigan Falls, Quebec, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Mixed polyvinyl resins and making same. 2,116,635; May 10.
Mathsson, Bruno, Varnamo, Sweden. Tiltable chair. 2,117,189; May 10.
Mauser, Karl W., Waldeck, Bez. Kassel, Germany. Closure for packing containers. 2,116,841; May 10.
Maxwell, Robert W. See Kreimeier, O. R., and Maxwell.).
May, Thomas L., Toronto, Ontario, Canada. Domestic heavy oil burner. 2,117,190; May 10.

McCabe, Frank E., Shaker Heights, assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Building structure. 2,116,530; May 10.
McCabe, Frank E., Shaker Heights, assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Building structure. 2,116,531; May 10.
McCabe, Frank E., Shaker Heights, assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Building structure. 2,116,532; May 10.
McCabe, Frank E., Shaker Heights, assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Building structure. 2,116,533; May 10.
McCabe, Frank E., Shaker Heights, assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Building structure. 2,116,534; May 10.
McCabe, Frank E., Shaker Heights, assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Building structure. 2,116,535; May 10.
McCann, Thomas A. (See Bailey, A., and McCann.)
McCauley, Roy B., Chicago Heights, Ill. Acid resisting alloy. 2,117,191; May 10.
McClure, Henry C., Topeka, Kans. Smoking pipe. 2,116,951; May 10.
McClung, Winsboro, Merrick, assignor of one-half to B. C. Streng, New York, N. Y. Automobile door lock. 2,117,192; May 10.
McCord, Alvin C., Detroit, Mich. Safety roll wringer. 2,117,193; May 10.
McDermott, Darwin D., San Jose, Calif. Truck loader. 2,116,726; May 10.
McElroy, Harold S., Philadelphia, assignor to Franklin Tile Company, Lansdale, Pa. Crate for packing and unpacking tile. 2,117,194; May 10.
McKee, Ralph H., Reno, Nev., assignor, by mesne assignments, to Cellu-Type Plate Co., Inc., Union City, N. J. Cellulose composition materials. 2,116,536; May 10.
McKerlie, George F., assignor to Kirsch Company, Sturgis, Mich. Venetian blind tilting mechanism. 2,117,195; May 10.
McLain, Fremont H., Wellsville, Ohio. Clothesline hook. 2,116,729; May 10.
McNairy, Jacob W., Erie, Pa., assignor to General Electric Company. Protective system. 2,117,196; May 10.
McNeil, Daniel W., assignor to The John Douglas Company, Cincinnati, Ohio. Flush bowl. 2,116,527; May 10.
McNeil, Daniel W., assignor to The John Douglas Company, Cincinnati, Ohio. Flush bowl structure. 2,116,528; May 10.
McNeil, Daniel W., assignor to The John Douglas Company, Cincinnati, Ohio. Flush bowl structure. 2,116,529; May 10.
McRae, R. Clayton. (See Hill, Curtiss L., assignor.)
Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Cock. 2,117,197; May 10.
Meeker, David A., assignor to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 2,116,764; May 10.
Megee, John, St. Joseph, Mich. Flooring. 2,117,198; May 10.
Melick, John M., Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector electromagnet. 2,116,580; May 10.
Menges, William L. R. (See Freund, H. L., and Menges.)
Menton, Ernest L., Deer River, Minn. Crutch. 2,116,730; May 10.
Meohas, Isaac, Los Angeles, Calif. Cigarette holder. 2,116,700; May 10.
Mercier, Stanley M., Columbus, Ohio, and H. L. Myer, Mason City, Wash., assignors to The Jeffrey Manufacturing Company. Tunneling system. 2,116,905; May 10.
Merritt, Charles H., III. (See Beard, T. H., Renholdt, and Merritt.)
Messing, Joseph A. (See Frank, W. H., and Messing.)
Metal Box Company Limited, The. (See Cowan, Alan F., assignor.)
Metal Box Company Limited, The. (See Stuchbery, Arthur L., assignor.)
Metcalf, Herbert E., Walnut Creek, assignor to E. H. Kueffer, Oakland, Calif. Butt contact rotary switch. 2,116,842; May 10.
Metropolitan Body Company, The. (See Carlson, Philip, assignor.)
Metzner, Albert W. (See Sherman, J. Q., and Metzner.)
Meuser, Ludwig, Neugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Vulcanization of rubber. 2,116,978; May 10.
Micromatic Hone Corporation. (See Bleasdale, Albert, assignor.)
Micromatic Hone Corporalton. (See Connor, K. W., and Bleasdale, assignors.)
Mid-Continent Petroleum Corporation. (See Bennett, H. T., and Prather, assignors.)
Milas, Nicholas A., Cambridge, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of antirachitic substances. 2,117,100; May 10.
Millen, Stanley S., Glendale, Calif. Beading machine. 2,116,906; May 10.
Miller, Bert C., Inc. (See Miller, Bert C., assignor.)
Miller, Bert C., Montclair, N. J., assignor to Bert C. Miller, Inc., New York, N. Y. Moistureproof coated paper and making the same. 2,117,199; May 10.
Miller, Bert C., Montclair, N. J., assignor to Bert C. Miller, Inc., New York, N. Y. Coated paper. 2,117,200; May 10.
Miller, Charles M. (See Laube, G., and Miller.)
Miller, Eugene F., assignor to Hanes Hosiery Mills Co., Winston-Salem, N. C. Knitting machine. 2,117,115; May 10.
Miller, George F., and R. W. Nilsson, assignors to The Mather Spring Company, Toledo, Ohio. Spring assembly means. 2,116,907; May 10.
Miller, James R., Pittsburgh, Pa. Filter. 2,116,537; May 10.
Miller, Lloyd, North Webster, Ind. Vehicle bumper. 2,117,201; May 10.
Mills Novelty Company. (See Smith, James T., assignor.)
Milmoe, Michael J., Glen Ellyn, assignor to F. B. Redington Co., Chicago, Ill. Packaging machine. 2,116,607; May 10.
Minneapolis-Honeywell Regulator Company. (See Cotea, Lester D., assignor.)
Minneapolis-Honeywell Regulator Company. (See Kelly, Hugh, assignor.)
Minneapolis-Honeywell Regulator Company. (See Shivers, Paul F., assignor.)
Möglich, Otto. (See Marx, F., and Möglich.)
Moller, George A., Chicago, Ill. Drain funnel. 2,116,979; May 10.
Money, Roland H. (See Crosley, P., Jr., and Money.)
Monier, Francis J. (See Seignol, E. F. C., and Monier.)
Monitor Controller Company. (See Frese, Joseph F., assignor.)
Monopower Corporation, The. (See Tyler, Tracy B., assignor.)
Monsanto Chemical Company. (See Udy, Marvin J., assignor.)
Moor, Elizabeth C. (See Moor, Edward N.)
Moor, Edward N., San Francisco, Calif.; E. C. Moor, owner by decree of distribution. Fishing rod reel. 2,116,581; May 10.
Moore, Leonard M., Chester, Va. Towel holder. 2,117,202; May 10.
Morgan Concentrating Corporation. (See Kennedy, James H., assignor.)
Morrell, Melvin H., Harrison, Ark. Screwless doorknob. 2,116,707; May 10.
Morrison, George O. (See Matheson, H. W., and Morrison.)
Muelberger, Eric, Jr., San Francisco, Calif. Safety razor sharpener. 2,116,582; May 10.
Mull, Arthur B., Appleton, assignor to Marathon Paper Mills Company, Rothschild, Wis. Display construction. 2,116,908; May 10.
Mühs, Ferdinand, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Wetting agents useful for alkaline mercerizing solution. 2,116,583; May 10.
Muro, Raul D., Habana, Cuba. Knob lock. 2,117,203; May 10.
Murphy, Frank L. (See Mussey, W. H., Peterson, and Murphy.)
Murphy, John F., Middleboro, Mass. Pin spotting mechanism. 2,117,204; May 10.
Murray Company, The. (See Blewett, John, assignor.)
Murray Corporation of America, The. (See Widman, C. H., and Westrope, assignors.)
Musante, John L., Falmouth, Va. Combined oar and oarlock. 2,117,060; May 10.
Mussey, William H., F. L. Murphy, and H. F. Peterson, assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Air conditioning system. 2,116,538; May 10.
Myer, H. L. (See Mercier, S. M., and Myer.)
Myhren, Arne J., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Zinc sulphide. 2,117,205; May 10.
Naamlooze Vennootschap Industrieele Maatschapplj Voorheen Noury & Van Der Lande. (See Priester, Remmet, assignor.)
Nagel-Chase Mfg. Co., The. (See Schultz, Edward, assignor.)
Naish, Fred H., Birmingham, Ala., assignor to Connors Steel Company. Automatic scraper for strip metal stock. 2,116,980; May 10.
Nämpa, Sulo M., Detroit, Mich., assignor to Transportation Systems, Inc. Combined road and rail vehicle. 2,116,797; May 10.
Natalie Shades, Inc. (See Cohon, Benjamin J., assignor.)
National Acme Company, The. (See Driessner, Alfred E., assignor.)
National Cash Register Company. (See Breitling, Ernst, assignor.)
National Process Co. Inc. (See Snelling, Nicholas, assignor.)
Neff, James A., Dover Center, Ohio. Fishing lure. 2,117,206; May 10.
Nelson, Herman, Corporation, The. (See Nelson, Richard H., assignor.)
Nelson, Ian T., and R. Jack, Edinburgh, Scotland. Machine for trimming electrotype or stereotype plates. 2,117,007; May 10.
Nelson, Richard H., assignor to The Herman Nelson Corporation, Moline, Ill. Conversion oil burner. 2,117,006; May 10.



Nelson, Russell B. (See Edwards, O. M., and Nelson.)
Neumann, Georg, Berlin, Germany. Device for indicating the amount of material in a tank. 2,116,636; May 10.
New Jersey Zinc Company, The. (See Myhren, Arne J., assignor.)
New York Central Railroad Company, The. (See Hamilton, W. S. H., and Butt, assignors.)
New York Central Railroad Company, The. (See Hamilton, W. S. H., and Rowell, assignors.)
Nicolet, Nell V., Easton, Md. Auxiliary protector collar. 2,116,685; May 10.
Niekamp, Richard A., assignor to The Master Electric Company, Dayton, Ohio. Apparatus for compacting concrete and the like. 2,116,708; May 10.
Niemann, Carl, Erlangen, assignor to firm Siemens-Reinliger-Werke Aktiengesellschaft, Berlin, Germany. Secondary X-ray diaphragm and manufacturing the same. 2,116,637; May 10.
Nilsson, Robert W. (See Miller, G. F., and Nilsson.)
Nippold, Max, Berlin-Halensee, Germany, assignor to General Electric Company. Electrical switch of the fluid flow type. 2,116,709; May 10.
Noll, Austin R., assignor to International Business Machines Corporation, New York, N. Y. Coding and decoding machine. 2,116,731; May 10.
Noll, Austin R., assignor to International Business Machines Corporation, New York, N. Y. Coding and decoding machine. 2,116,732; May 10.
Noll, Austin R., assignor to International Business Machines Corporation, New York, N. Y. Coding and decoding machine. 2,116,733; May 10.
Nystrőm, Carl W., Karlstad, Sweden. Apparatus for securing a strip of metal to a fabric piece of a necktie. 2,116,952; May 10.
Odom, Edwin H., assignor to Simplicity Manufacturing Company, Port Washington, Wis. Grinding machine. 2,116,686; May 10.
Oesterlein, William J., Wauwatosa, assignor to Harnischfeger Corporation, Milwaukee, Wis. Motor generator truck. 2,117,034; May 10.
Oesterlein, William J., Wauwatosa, assignor to Harnischfeger Corporation, Milwaukee, Wis. Welding generator. 2,117,035; May 10.
Ohio Brass Company, The. (See Larsson, Ernst A., assignor.)
Ohlis, Julius J. (See Lemke, George H., assignor.)
Olin, John M., Alton, assignor to Western Cartridge Company, East Alton, Ill. Shot shell. 2,116,843; May 10.
Onwood, Andre. (See Brown, F. V., and Onwood.)
Orthner, Ludwig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Amino acids. 2,117,207; May 10.
Osuch, Francis J., assignor to Robot Products Corporation, Detroit, Mich. Book cover. 2,116,798; May 10.
Oswalt, Donald W., Memphis, Tenn. Support for dredging conduits. 2,117,008; May 10.
Overholtz, George D., assignor to The Tiffin Art Metal Company, Tiffin, Ohio. Signboard mold frame. 2,116,844; May 10.
Owens, Freeman H., New York, N. Y. Control means. 2,117,254; May 10.
Owsley, Ollie M., Haddon Heights, N. J., assignor to Radio Corporation of America. Oscillator. 2,117,101; May 10.
Page, Albert E. and F. R., Brooklyn, assignors to Scott & Williams, Incorporated, New York, N. Y. Machine and making knitted fabric. 2,117,208; May 10.
Page, Frank R. (See Page, Albert E. and F. R.)
Page, Valentine, Birmingham, assignor to Tri-Velox Gears Limited, Coventry, England. Change-speed gearing for chain-driven vehicles. 2,117,116; May 10.
Parkins, Wright A. (See Beardsley, G. E., Jr., and Parkins.)
Paul, George F., Struthers, Ohio. Apparatus for and method of disposing of crop ends in strip mills. 2,117,009; May 10.
Pavlecka, John, Detroit, Mich. Engine structure. 2,117,117; May 10.
Pavlecka, John, Detroit, Mich. Engine frame. 2,117,118; May 10.
Payne, Elmer H., Wood River, assignor to Standard Oil Company, Chicago, Ill. Viscometer. 2,116,765; May 10.
Payne, Raymond L., and B. B. Dunn, Denver, Colo. Blower with adjustable housing. 2,116,539; May 10.
Payzant, Henry H., assignor to General Timber Service, Inc., St. Paul, Minn. Building frame construction. 2,117,070; May 10.
Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,116,909; May 10.
Peck, Creasey L., Fort Worth, Tex. Apparatus for cutting semisolids. 2,116,845; May 10.
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Air conditioning evaporator unit. 2,116,981; May 10.
People of the United States of America, Dedicated to the free use of the. (See Barber, George W., assignor.)
Perkins, Edwin A., et al. (See Crum, Roland R., assignor.)
Peterson, Hartin F. (See Mussey, W. H., Murphy, and Peterson, assignors.)
Petroleum Rectifying Company of California. (See Cottrell, Frederick G., assignor.)
Phillips, George B., Easthampton, Mass. Reeding apparatus used in textile manufactures. 2,116,766; May 10.
Phillips Petroleum Company. (See Frey, F. E., and Hepp, assignors.)
Piccard, Jean, Swarthmore, Pa. Plaster for the production of surgical casts. 2,116,910; May 10.
Pielstick, Gustav, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Engine frame. 2,117,036; May 10.
Piesen, Maurice, Brooklyn, N. Y. Game. 2,116,687; May 10.
Pilcher, Edward K., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Molding strip. 2,116,846; May 10.
Pilcher, Edward K., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Flexible screen. 2,116,847; May 10.
Pirani, Marcello, Berlin-Wilmersdorf, and A. Fehse, Berlin, Germany, assignors to general Electric Company. Gaseous electric discharge device. 2,116,710; May 10.
Pitman, Earle C., Lincroft, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition and method for joining surfaces. 2,117,209; May 10.
Pittler, Lila, New York, N. Y. Serving dish. 2,117,102; May 10.
Pittsburgh Steel Company. (See Chartener, Victor, assignor.)
Pittsburgh Steel Company. (See Protin, Edward J., assignor.)
Pneumatic Scale Corporation. (See Howard, Stanley R., assignor.)
Porter, Albert N., assignor to J. F. Darby, Tulsa, Okla. Walking beam saddle. 2,116,932; May 10.
Porter, Frank. (See Bardwell, D. C., and Porter.)
Potter, Harry O., Lake Placid, N. Y. Ski pole. 2,117,010; May 10.
Powell, Edward R., Alexandria, Ind., assignor to Johns-Manville Corporation, New York, N. Y. Shaping felts of frangible fibers. 2,116,063; May 10.
Powers, Frank T., Glen Cove, N. Y. Cooler. 2,116,711; May 10.
Prather, Clare. (See Bennett, H. T., and Prather.)
Pratt, Jabez H. (See Hunt, F. B., Pratt, Tirrell, and Turner.)
Pratt, Ward E., East Orange, N. J. Centrifugal pump. 2,117,011; May 10.
Premier Metal Etching Co. (See Lehrfeld, Robert W., assignor.)
Prentice, George E., Berlin, Conn. Making fastener units. 2,116,712; May 10.
Prentice, G. E., Manufacturing Company. (See Legat, Robert C., assignor.)
Priester, Remmet, assignor to Naamlooze Vennootschap Industrieele Maatschappij Voorheen Noury & Van Der Lande, Deventer, Netherlands. Resins and making same. 2,117,255; May 10.
Primos, Andrew. (See Giardina, V., and Primos.)
Prins, Leendert, Wassenaar, Netherlands. Advertising device. 2,116,638; May 10.
Progress Corporation. (See Grodka, Frederick, assignor.)
Protin, Edward J., Charlerol, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Metal threading apparatus. 2,116,639; May 10.
Pullman-Standard Car Manufacturing Company. (See Mussey, W. H., Murphy, and Peterson, assignors.)
Pure Oil Company, The. (See Watson, Cornelius B., assignor.)
Pyrate Corporation of Nevada, The. (See Richard, C., and Ruth, assignors.)
Pyrene Manufacturing Company. (See MacGregor, Peter G., assignor.)
Quehl, Kurt, assignor to Chemische Fabrik Theod. Rotta, Zwickau, Germany. Production of molecular compounds. 2,116,640; May 10.
R-B-M Manufacturing Company. (See Dashner, Ralph L., assignor.)
Rabensdorf, Alice M., Cleveland, Ohio, assignor of one-half to S. J. Sternberger, Indianapolis, Ind. Boneless foundation garment. 2,117,103; May 10.
Radio Corporation of America. (See Dowsett, H. M., and Cadzow, assignors.)
Radio Corporation of America. (See Goodrich, Robert R., 2d, assignor.)
Radio Corporation of America. (See Grundmann, Gustave L., assignor.)
Radio Corporation of America. (See Linder, Ernest G., assignor.)
Radio Corporation of America. (See Owsley, Ollie M., assignor.)
Radio Corporation of America. (See Reid, John D., assignor.)
Radio Corporation of America. (See Reinartz, John L., assignor.)
Radio Corporation of America. (See Stose, Harold F., assignor.)
Raffold Process Corporation. (See Rafton, Harold R., assignor.)
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Paper manufacture. 2,117,256; May 10.

Ragatz, Edward G., assignor to Union Oil Company of California, Los Angeles, Calif. Fractionating column. 2,116,933; May 10.

Rapp, Theodore, Los Angeles, Calif. Weighing and packaging machine. 2,116,934; May 10.

Ratliff, Karl, Midland, Tex., assignor to Manning, Bowman & Co., Meriden, Conn. Electric waffle iron. 2,116,688; May 10.

Ray, Joseph, Philadelphia, Pa. Racing game. 2,116,767; May 10.

Redington, F. B., Co. (See Milmoe, Michael J., assignor.)

Reed, Forrest C., assignor to L. J. Snyder, Kansas City, Mo. Producing carbon black. 2,116,848; May 10.

Reed Propeller Co., The. (See Chilton, Roland, assignor.)

Reiber, Albert H. (See Carr, J. O., and Reiber.)

Reid, John D., Philadelphia, Pa., assignor to Radio Corporation of America. Radio receiving system. 2,116,713; May 10.

Rein, Herbert, Leipzig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of shaped articles of polymeric acrylic acid nitrile. 2,117,210; May 10.

Reinartz, John L., Manchester, Conn., assignor to Radio Corporation of America. Short-wave antenna. 2,116,734; May 10.

Remington Arms Company. (See Brun, W., and Burns, assignors.)

Renholdt, John E. (See Beard, T. H., Renholdt, and Merritt.)

Reppekus, Walter, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Recovery of valuable by-products during the production of gas and coke. 2,116,641; May 10.

Reutter, Jean L., Paris, France. Thermal motor for rewinding clocks or like apparatus. 2,117,211; May 10.

Richard, Clare, Los Angeles, and H. M. Ruth, Huntington Park, Calif., assignors to The Pyrate Corporation of Nevada. Apparatus for cleaning tanks and the like. 2,116,935; May 10.

Richardson, Max C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Air flow indicating damper. 2,116,911; May 10.

Richardson, Max C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Air flow pilot control. 2,116,912; May 10.

Richter, Carl R., Schenectady, N. Y. Gas supplying apparatus. 2,116,642; May 10.

Richter, George A., assignor to Brown Company, Berlin, N. H. Preparation of cellulose xanthate solution. 2,117,037; May 10.

Richter, George A., assignor to Brown Company, Berlin, N. H. Making cellulose xanthate solutions. 2,117,038; May 10.

Riedel, Curtis. (See Roush, L., and Riedel.)

Ring, James R., Galveston, Tex. Dispenser closure. 2,117,071; May 10.

Rinkenbach, William H. (See Hale, G. C., and Rinkenbach.)

Ripley, Duane L. (See Markel, J., and Ripley.)

Ritt Products Corporation. (See Kritchevsky, Wolf, assignor.)

Riviere, Albert S. (See Thompson, C. S., Kucera, and Riviere.)

Roberts, Oscar L., Merwood Park, assignor to The Atlantic Refining Company, Philadelphia, Pa. Hydrocarbon oil treatment. 2,116,540; May 10.

Robinet, Aimé J. (See Crescent, A. J. A., and Robinet.)

Robot Products Corporation. (See Osuch, Francis J., assignor.)

Rockefeller, Harry E., New York, N. Y., and J. M. Halbing, Bloomfield, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Welding apparatus. 2,116,870; May 10.

Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Société Anonyme: Etablissements Ed. Jaeger, Levallois-Perret, France. Damping means for magnetic speedometers. 2,117,212; May 10.

Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Société Anonyme: Etablissements Ed. Jaeger, Levallois-Perret, France. Electric switch with manometric control. 2,117,213; May 10.

Rompe, Robert, Berlin, Germany, assignor to General Electric Company. Infrared generator. 2,116,689; May 10.

Ronci, Victor L. (See Hale, D. A. S., and Ronci.)

Rook, Charles R., Gloucester, Mass., assignor to Birdseye Electric Corporation, Dover, Del. Reflecting incandescent lamp. 2,117,039; May 10.

Rorison, William B., Plainfield, assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. Defrosting heat exchanger surfaces. 2,117,104; May 10.

Rose, William H., Jersey City, N. J., assignor to Stanco Incorporated. Dusting material cartridge. 2,116,714; May 10.

Rose, William H., Jersey City, N. J., assignor to Stanco Incorporated. Dust gun. 2,116,715; May 10.

Rose, William H., Jersey City, N. J., assignor to Stanco Incorporated. Dust gun. 2,116,716; May 10.

Rosner, Michael W., St. Paul, Minn. Propeller governor. 2,116,849; May 10.

Rost, Helge, Mexico, D. F., Mexico. Electric cable. 2,116,643; May 10.

Rotz, Raymond S., Fort London, Pa. Fowl restraining device. 2,116,850; May 10.

Round, Frank A. (See Round, H. J., Swann, and Round.)

Round, Henry J., Muswell Hill, F. P. Swann, London, and F. A. Round, Hendon, London, England. Sound recording system. 2,117,214; May 10.

Roush, Lee, Beaver, and C. Riedel, New Brighton, Pa., assignors to The Hobart Manufacturing Company, Troy, Ohio. Aerating liquids. 2,116,541; May 10.

Rowell, Kendall B. (See Hamilton, W. S. H., and Rowell.)

Rowland, Ben W., assignor to Institute of Paper Chemistry, Appleton, Wis. Sizing paper. 2,116,768; May 10.

Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Bobbin for sewing machines. 2,116,982; May 10.

Ruberoid Co., The. (See Hutten, Henry B., assignor.)

Ruch, Valentine, Englewood, N. J. Fruit juice extracting and distributing method. 2,117,215; May 10.

Ruth, Harold M. (See Richard, C., and Ruth.)

Ruthardt, Gustav, Stuttgart-Zuffenhausen, Germany. Sparking plug. 2,117,216; May 10.

Ryan, Julian G., Wood River, Ill., assignor to Shell Development Company, San Francisco, Calif. Bearing alloy. 2,116,851; May 10.

Salt Dome Oil Corporation, The. (See Hasselmann, Karl F., assignor.)

Sambraus, Adolf, Berlin-Charlottenburg, Germany. Airplane structure. 2,116,953; May 10.

Sanders Small Arms Limited. (See Sanders, Thomas F., assignor.)

Sanders, Thomas F., Slough, assignor to Sanders Small Arms Limited, London, England. Trigger mechanism for firearms. 2,117,218; May 10.

Sanford, Robert V. (See Bristoll, H. C., Sanford, and Doolittle.)

Santurello, Peter, Columbus, Ohio. Hair waving apparatus. 2,116,644; May 10.

Sayre, James E., New York, N. Y. Advertising device. 2,116,542; May 10.

Scharlau, Hans, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Distance and direction determining system. 2,116,717; May 10.

Schauts, Walter L., Scranton, Pa., and A. L. Lewis, New London, assignors to The Atwood Machine Company, Stonington, Conn. Bobbin enclosure for textile twisting machines. 2,116,543; May 10.

Schenk, Carl R., Millington, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Rheostat. 2,117,257; May 10.

Schidrowitz, Philip, and J. W. Malden, London, England, assignors to Vulcex Corporation of America, Cambridge, Mass. Manufacture of rubber and the like. 2,117,258; May 10.

Schimanek, Emil, Budapest, Hungary. Device for regulating the running of injection engines at different speeds of revolution. 2,117,105; May 10.

Schjolin, Eric O., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Water cooling system. 2,117,040; May 10.

Schmäche, Wendelin. (See Finkenbeiner, H., and Schmäche.)

Schmidt, Karl, Cologne-Mulheim, and O. Wahl, Leverkusen, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Heavy metal azomethine diarylene dihydroxylates. 2,116,013; May 10.

Schneewels, Daniel D., Brooklyn, N. Y. Barrette. 2,116,790; May 10.

Schoorel, Adam, New York, and H. F. Keil, Scarsdale, N. Y., assignors to Francis Keil & Son, Inc. Padlock construction. 2,116,965; May 10.

Schreiber-Gastell, Richard. (See Formhals, Anton, assignor.)

Schroeder, Carl J., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Pressure vacuum relief valve. 2,116,769; May 10.

Schultz, Edward, assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Smoking stand. 2,116,646; May 10.

Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Switch construction. 2,116,983; May 10.

Schulz, Arthur P. (See Teller, J., and Schulz.)

Schur, Milton O., assignor to Brown Company, Berlin, N. H. Enhancing the wet-strength of papers. 2,116,544; May 10.

Schweller, Edmund F., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,116,914; May 10.

Scillia, Anthony, Montclair, N. J. Hydrant appliance. 2,116,770; May 10.

Scott & Williams, Incorporated. (See Grothey, Ivan W., assignor.)

Scott & Williams, Incorporated. (See Page, Albert E. and F. R., assignors.)

Seaman, Duncan R., Detroit, Mich., assignor to Seaman Paper Company, Chicago, Ill. Insulating unit. 2,116,771; May 10.

Seaman Paper Company. (See Seaman, Duncan R., assignor.)

Secretary of Agriculture of the United States of America. (See Leviton, Abraham, assignor.)

Security Engineering Co. Inc. (See Casner, Earl R., assignor.)

Seddon, Graham, Brooklyn, N. Y. Laminated fabric. 2,116,984; May 10.

Seibel, Elmer F., Erie, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc. (1922), New York, N. Y. Conveyer. 2,116,800; May 10.





Seignol, Edouard F. C., and F. J. Monier, Paris, assignors to Societe Auxilliaire Pour le Developpement D'Industries Mecaniques S. A. D. I. M., Neuilly, France. Carburetor. 2,116,608; May 10.

Servel, Inc. (See Ashby, Carl T., assignor.)

Servel, Inc. (See Ehnbom, Bo K. G., assignor.)

Severson, Ernest H. (See Weisser, C. O., and Severson.)

Shakespeare, William, Jr. (See Bock, Charles D., assignor.)

Shaw, William C., Woodstock, Ontario, Canada, assignor, by mesne assignments, to Linderman Devices, Incorporated, Wilmington, Del. Diaphragm. 2,117,219; May 10.

Shawinigan Chemicals Limited. (See Matheson, H. W., and Morrison, assignors.)

Shelby, Leon, Fenton, Mich. T-lock joint. 2,116,584; May 10.

Shell Development Company. (See Ryan, Julian G., assignor.)

Shellmar Products Company. (See Engel, William H., assignor.)

Shellmar Products Company. (See Gurwick, Irving, assignor.)

Sherman, John Q., and A. W. Metsner, Dayton, Ohio; said Metsner assignor to said Sherman. Manifolding attachment. 2,116,545; May 10.

Sherman, Vernon W. (See Breer, C., Goode, and Sherman.)

Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration system. 2,116,801; May 10.

Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control apparatus. 2,116,802; May 10.

Shomaker, Wesley P., assignor to The Duplex Envelope Company, Inc., Richmond, Va. Printing press. 2,116,609; May 10.

Shonle, Horace A. (See Kleiderer, E. C., and Shonle.)

Sieg, Karl, Philadelphia, Pa., assignor to Samuel M. Langston Co. Machine for making box blanks. 2,117,220; May 10.

Siemens-Reiniger-Werke Aktiengesellschaft. (See Niemann, Carl, assignor.)

Signal Engineering & Manufacturing Company. (See Wheelock, John H., assignor.)

Silliman, Horace F., assignor to The American Brass Company, Waterbury, Conn. Brazed article. 2,117,106; May 10.

Silverman, Max M., Hartford, Conn., assignor to Better Brushes, Inc., Palmer, Mass. Textile cleaning tool. 2,116,645; May 10.

Simmons Company. (See Travis, Don C., assignor.)

Simplicity Manufacturing Company. (See Odom, Edwin H., assignor.)

Simpson, Leon G., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Method and apparatus for positioning multifocal lens blanks. 2,117,221; May 10.

Simpson, William H., and B. L. Ballie, assignors to Hiram Walker & Sons, Inc., Peoria, Ill. Bottle corking machine. 2,117,041; May 10.

Sinclair, Peter S., Holyoke, Mass. Dandy roll and cylinder mold and making same. 2,117,217; May 10.

Sinclair, Peter S., Holyoke, Mass. Dandy roll and cylinder mold and making same. 2,117,222; May 10.

Singer, Fritz, Nuremberg, Germany, assignor to Tubus A. G., Zurich, Switzerland. Mechanically working metal article. 2,116,954; May 10.

Singer Manufacturing Company, The. (See Gunther, Hermann, assignor.)

Singer Manufacturing Company, The. (See Schenk, Carl R.)

Skeel, Lewis. (See Greenleaf, W. J., and Skeel.)

Slezak, John, assignor to Turner Brass Works, Sycamore, Ill. Flatiron support. 2,117,042; May 10.

Slezak, John, assignor to Turner Brass Works, Sycamore, Ill. Liquid fuel flatiron. 2,117,259; May 10.

Slocum, Edward M., Macon, Ga. Recovery of oil from spent bleaching clay. 2,117,223; May 10.

Smith, Charles D., Roswell, N. Mex. Riding stock saddle. 2,116,585; May 10.

Smith, Charles S., Westfield, assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange apparatus. 2,116,546; May 10.

Smith, Claude H., Talmadge, and C. W. Gay, assignors to Wingfoot Corporation, Akron, Ohio. Manufacture of mercaptothiazoles. 2,117,120; May 10.

Smith, H. H., et al. (See Warner, Robert L. L., assignor.)

Smith, Hannah M. (See Keen, Thomas A., assignor.)

Smith, Howard V. (See Stanford, E. R., and Smith.)

Smith, James T., assignor to Mills Novelty Company, Chicago, Ill. Refrigerating system for ice cream freezers. 2,117,119; May 10.

Snelling, Nicholas, Evansville, Ind., assignor to National Process Co. Inc., New York, N. Y. Device for supporting and displaying merchandise. 2,116,647; May 10.

Snyder, Le Roy J. (See Reed, Forrest C., assignor.)

Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Long, Bernard, assignor.)

Société Anonyme: Etablissements Ed. Jaeger. (See Rodanet, Charles H. H., assignor.)

Societe Auxiliaire pour le Development d'Industries Mecaniques S. A. D. I. M. (See Seignol, E. F. C., and Monier, assignors.)

Societe Francaise de la Viscose, S. A. (See Vautier, L. P. G., and Carnot, assignors.)

Socony-Vacuum Oil Company. (See Fisher, Gerald M., assignor.)

Socotch, John Y. (See Sorenson, Thoyer, assignor.)

Soderberg, Carl R., Swarthmore, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine blade lashing. 2,117,107; May 10.

Solvay Process Company, The. (See Bardwell, D. C., and Porter, assignors.)

Solvay Process Company. (See Kniskern, W. H., and Lawrence, assignors.)

Solvent Machine Company, trustee. (See Dinley, Clarence F., assignor.)

Sorenson, Thoyer, assignor of one-half to J. Y. Socotch, Cleveland, Ohio. Radio receiving apparatus. 2,117,043; May 10.

Soss, Joseph, Roselle, N. J. Shears. 2,117,224; May 10.

Spence, Paulsen, East Orange, N. J. Valve seat device. 2,117,044; May 10.

Spencer, Lee, Flushing, N. Y. Rail anchor. 2,116,955; May 10.

Spencer, Millard C., East Orange, assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Burner. 2,117,108; May 10.

Spoerl, Carl A., Philadelphia, Pa. Refrigerator case. 2,116,803; May 10.

Sprague, Goldwin S., deceased; I. D. Sprague, Newton, Mass, executrix. Ski binding. 2,116,985; May 10.

Sprague, Isabel D., executrix. (See Sprague, Goldwin S.)

Sprecker, Alfred L., Freeport, assignor to International Business Machines Corporation, New York, N. Y. Recorder. 2,116,664; May 10.

Square D Company. (See Jackson, John G., assignor.)

Stackpole, Charles T., Worcester, Mass. Stitching guide gauge. 2,116,936; May 10.

Staley, Augustus E., Jr., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Starch making process. 2,116,610; May 10.

Staley, A. E., Manufacturing Company. (See Staley, Augustus E., Jr., assignor.)

Stanco Incorporated. (See Rose, William H., assignor.)

Standard Forgings Corporation. (See Swanson, Clarence S., assignor.)

Standard-Knapp Corporation. (See Kimball, W. D., and Braren, assignors.)

Standard Oil Company. (See Payne, Elmer H., assignor.)

Standard Oil Company. (See Schroeder, Carl J., assignor.)

Standard Oil Company. (See Tucker, E. B., and Thiele, assignors.)

Standard Oil Company (Indiana). (See Voorhees, Vanderveer, assignor.)

Standard Stoker Company (1922), The. (See Seibel, Elmer F., assignor.)

Standard Stoker Company, The. (See Hutton, Alfred, assignor.)

Standard Stoker Company, The. (See Ketchpel, Paul A., assignor.)

Stanford, Everett R., Alhambra, and H. V. Smith, San Diego County, Calif. Combination forestry implement. 2,116,852; May 10.

Stanley Works, The. (See Bristoll, H. C., Sanford, and Doolittle, assignors.)

Starline, Inc. (See Ferris, Robert G., assignor.)

Steel Products Engineering Company, The. (See Walter, Joseph H., assignor.)

Stein, Fred A., Jersey City, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,117,225; May 10.

Stelle, Lillian A., Eugene, Oreg. Toy. 2,116,853; May 10.

Sternberger, Sidney J. (See Rabensdorf, Alice M., assignor.)

Stevens, Robert C., Long Beach, assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Spool spindle for film magazines. 2,116,735; May 10.

Stevenson, Mary E., executrix. (See Stevenson, T., and Goby.)

Stevenson, Thomas, deceased, Lakewood, and C. S. Goby, Cleveland, Ohio; M. E. Stevenson, executrix. Valve control and reversing mechanism. 2,117,109; May 10.

Stewart, Robert J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Mixing apparatus. 2,117,226; May 10.

Stewart-Warner Corporation. (See D'Olive, Charles R., assignor.)

Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Gas range. 2,117,227; May 10.

Stokes, Charles L. (See Draper, W. V., and Young, assignors.)

Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Strip feeding mechanism. 2,116,586; May 10.

Stose, Harold F., Haddonfield, N. J., assignor to Radio Corporation of America, New York, N. Y. Phonograph record. 2,116,986; May 10.

Streng, Benjamin C. (See McClung, Winsboro, assignor.)

Stretch, Frank J., Jr., administrator. (See Carrey, John O.)

Stuart, Elmer H., assignor to Eli Lilly and Company, Indianapolis, Ind. Substituted p-amino-benzene-sulphonamides and producing them. 2,117,260; May 10.

Stubbs, Paul T., West Haven, Conn. Combined muffler, air preheater, and exhaust handling system. 2,116,718; May 10.

Stuchbery, Arthur L., Palmers Green, London, assignor to The Metal Box Company Limited, London, England. Tin box or like container intended to be vacuumized. 2,117,228; May 10.

Stuller, Earl A., assignor to Western Chain Products Co., Chicago, Ill. Buckle structure. 2,116,745; May 10.

Subira, Anthony J., Los Angeles, Calif. Adjustable sun hat. 2,116,736; May 10.

Submarine Signal Company. (See Kunze, Willy, assignor.)

Sugg, Walter A., Dickson, Tenn. Tool handle wedge. 2,117,229; May 10.

Sundback, Gideon, assignor to Talon, Inc., Meadville, Pa. Making slide fasteners. 2,116,547; May 10.

Superior Tube Company. (See Haslauer, Adolf, assignor.)

Svenska Aktiebolaget Bromsregulator, (See Browall, Bert H., assignor.)

Swann, Frank P. (See Round, H. J., Swann, and Round.)

Swanson, Clarence S., assignor, by mesne assignments, to Standard Forgings Corporation, Chicago, Ill. Forging apparatus. 2,116,804; May 10.

Swanson, Clarence S., assignor, by mesne assignments, to Standard Forgings Corporation, Chicago, Ill. Apparatus for forging and forming steel disk wheels and the like. 2,116,805; May 10.

Swift and Company. (See Williams, B. E., and Cadwell, assignors.)

Symington-Gould Corporation, The. (See Casey, Howard T., assignor.)

Talon, Inc. (See Sundback, Gideon, assignor.)

Tapley, James M., Winnipeg, Manitoba, Canada. Damper. 2,116,648; May 10.

Taubensee, Henry A. (See Geyer, Ernest H., assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Knoll, Max, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Scharlau, Hans, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Wehnert, Waldemar, assignor.)

Teletype Corporation. (See Carr, J. O., and Reiber, assignors.)

Teletype Corporation. (See Zenner, Walter J., assignor.)

Teller, Grace, et al. (See Teller, J., and Schulz, assignors.)

Teller, Jacob, New Rochelle, N. Y., and A. P. Schulz, Rockford, assignors, by mesne assignments, to said J. Teller and G. Teller, Chicago, Ill. Cooking stove or range. 2,116,854; May 10.

Telikamp, Roland F., Davenport, Iowa. Motor vehicle safety means. 2,116,915; May 10.

Terry, Andrew, Company, The. (See Bondeson, Carl G., assignor.)

Thiele, Ernest W. (See Tucker, E. B., and Thiele.)

Thies, Carl A. (See MacClatchie, J. W., Johnson, and Thies.)

Thomas & Betts Co., The. (See Buchanan, Stephen N., assignor.)

Thommen, Hans, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric circuit breaker. 2,117,261; May 10.

Thompson, Charles S., Elmhurst, F. A. Kucera, and A. S. Riviere, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,116,987; May 10.

Thornburg, Herbal A., and J. V. Brown, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starting apparatus. 2,117,230; May 10.

Thrall, Arthur J., Chicago, Ill. Unloading means for hopper cars. 2,116,607; May 10.

Tilin Art Metal Company, The. (See Overholtz, George D., assignor.)

Timmons, Colin W. (See Bills, Claud H., assignor.)

Tirrell, Henry S. (See Hunt, F. B., Pratt, Tirrell, and Turner.)

Toensfeldt, Kurt, Port Washington, assignor to Combustion Engineering Company, Inc., New York, N. Y. Regulating means for steam generating plants. 2,116,587; May 10.

Townsend, Charles E. S. (See Calvert, James W., assignor.)

Transportation Systems Inc. (See Gross, Charles, assignor.)

Transportation Systems Inc. (See Nampa, Sulo M., assignor.)

Trautmann, Otto E., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Focusing camera. 2,117,231; May 10.

Travis, Don C., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedspring. 2,116,588; May 10.

Trousline, Glenville S., Westfield, assignor to Electric Boat Company, Bayonne, N. J. Flexible engine support. 2,116,988; May 10.

Trico Products Corporation. (See Horton, Erwin C., assignor.)

Trimbach, Clem G. (See Blaylock, R. C., and Trimbach.)

Triumph-Werke Nuernberg A.-G. (See Baumann, Berthold, assignor.)

Tri-Velox Gears Limited. (See Page, Valentine, assignor.)

Trotter, Henry R., Chicago, Ill. Automotive brake system. 2,116,855; May 10.

Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Manufacture of ring binders. 2,117,262; May 10.

Trussell, Emory A., Milwaukee, Wis., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Wire-bound book including sheet-binding means and blanks therefor. 2,116,589; May 10.

Trussell Manufacturing Company. (See Eramo, Patrick A., assignor.)

Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)

Trussell Manufacturing Company. (See Trussell, Emory A., assignor.)

Tschappat, Sheridan P., Tulsa, Okla. Casing and tubing head. 2,116,856; May 10.

Tubus, A. G. (See Singer, Fritz, assignor.)

Tucker, Elton B., Highlands, Ind., and E. W. Thiele, assignors to Standard Oil Company, Chicago, Ill. Depropanizing asphalt. 2,116,772; May 10.

Tuma, Elias C., et al. (See Hasey, George W., assignor.)

Tuma, Richard C., et al. (See Hasey, George W., assignor.)

Tupper, William E. (See Hoyt, Charles E., assignor.)

Turner Brass Works. (See Slezak, John, assignor.)

Turner, Robert L. (See Hunt, F. B., Pratt, Tirrell, and Turner.)

Twentieth Century-Fox Film Corporation. (See Laube, G., and Miller, assignors.)

Twentieth Century-Fox Film Corporation. (See Stevens, Robert C., assignor.)

Tyler, Tracy B., Chicago, Ill., assignor to The Monopower Corporation, Detroit, Mich. Transmission auxiliary. 2,116,590; May 10.

Udy, Marvin J., Niagara Falls, N. Y., assignor, by mesne assignments, to Monsanto Chemical Company. Alloy. 2,117,263; May 10.

Unger, Paul O., Glen Ellyn, and F. D. Wedge, Lombard, assignors to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 2,116,989; May 10.

Union Carbide and Carbon Corporation. (See Rockefeller, H. E., and Halbing, assignors.)

Union Oil Company of California. (See Ragatz, Edward G., assignor.)

Union Special Machine Company. (See Rubel, Charles F., assignor.)

Union Special Machine Company. (See Thompson, C. S., Kucera, and Riviere, assignors.)

Union Switch & Signal Company, The. (See Young, Henry S., assignor.)

United Aircraft Corporation. (See Beardsley, G. E., Jr., and Parkins, assignors.)

United Merchants & Manufacturers, Inc. (See Bulford, Murray N., assignor.)

United Shoe Machinery Corporation. (See Dixon, Paul H., assignor.)

United Shoe Machinery Corporation. (See Hawkes, Harry A., assignor.)

United Shoe Machinery Corporation. (See Hazelton, George, assignor.)

United States Rubber Company. (See Menser, Ludwig, assignor.)

Universal Slack Adjuster Company. (See James, Thomas, Jr., assignor.)

Urbain, Leon F., Chicago, Ill. System for laying boards. 2,116,737; May 10.

Urquhart, William R., Akron, and E. F. Maas, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Ship fender. 2,117,121; May 10.

Usher, Charles H., assignor to Lamb Knitting Machine Corp., Chicopee Falls, Mass. Knitting machine for making glove fingers. 2,117,122; May 10.

Util-Tong, Inc. (See Ackerson, Alfred H., assignor.)

Van Hyning, Rollyn, assignor to John R. Gammeter, Akron, Ohio. Method and apparatus for removing articles from forms. 2,116,916; May 10.

Vantier, Leon P. G., St. Just des Marais, and C. Carnot, Paris, France, assignors to Societe Francaise de la Viscose, S. A. Porous material and making same. 2,116,611; May 10.

Vecsey, William E., assignor to General Tire & Rubber Company, Akron, Ohio. Tire cord. 2,116,937; May 10.

Velsicol Corporation. (See Hyman, Julius, assignor.)

Ventola, James, Kansas City, Mo. Shoe stretcher. 2,116,917; May 10.

Vidrio Products Company. (See Goldblatt, H. J., and Kessel, assignors.)

Vogt, Henry, Machine Co. (See Kaster, Rudolph E., assignor.)

Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Conversion of hydrocarbons. 2,116,773; May 10.

Vorwerk, Wilhelm, Wuppertal-Barmen, Germany. Anti-slip device for footwear. 2,116,956; May 10.

Vultex Corporation of America. (See Schidrowitz, P., and Malden, assignors.)

Wahl, Ottmar. (See Schmidt, K., and Wahl.)

Walberg, Bernard E., Worcester, Mass. Key board. 2,116,808; May 10.

Walcher, Edwin A., Calumet City, and W. H. Baselt, Chicago, assignors to American Steel Foundries, Chicago, Ill. Radius bar. 2,116,809; May 10.





Walker, Edwin H. (See Anderson, Edward L., assignor.)

Walker, George A., Sangus, assignor to Dover Stamping and Manufacturing Company, Cambridge, Mass. Dispensing funnel for sealed containers. 2,116,918; May 10.

Walker, Hiram, & Sons, Inc. (See Simpson, W. H., and Baillie, assignors.)

Wallgren, August G. F., and C. G. Janson, assignors to Aktiebolaget Nomy, Stockholm, Sweden. Bearing. 2,116,871; May 10.

Walter, Joseph H., assignor, by mesne assignments, to The Steel Products Engineering Company, Springfield, Ohio. Mechanical stoker. 2,116,774; May 10.

Warner, Delno O., Thompson Township, Delaware County, Ohio. Hay loading device. 2,117,110; May 10.

Warner, Jerome, Buffalo, N. Y. Ornamental jewelry box. 2,116,810; May 10.

Warner, Robert L. L., Los Angeles, assignor of one-third to R. O. Atkinson, and one-third to H. H. Smith, Los Angeles County, Calif. Exhibiting machine. 2,117,045; May 10.

Watanabe, Yoshito, Kinukake-cho, Suma-ku, Kobe, Japan. Selector apparatus. 2,116,990; May 10.

Watson, Cornelius B., Winnetka, assignor to The Pure Oil Company, Chicago, Ill. Barometric device. 2,116,991; May 10.

Watson, Glenn W., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Communication system. 2,116,649; May 10.

Weaver, Harry E., South Euclid, Ohio, assignor to Bailey Meter Company. Control system. 2,116,992; May 10.

Webb, Nelson W., assignor to Eastwood-Nealley Corporation, Belleville, N. J. Woven wire belt and making the same. 2,116,811; May 10.

Webb, Nelson W., assignor to Eastwood-Nealley Corporation, Belleville, N. J. Seam-wire and making wire-cloth seams. 2,116,812; May 10.

Weber, Johannes. (See Hurst, M., and Weber.)

Wedge, Fred D. (See Unger, P. O., and Wedge.)

Wehnert, Waldemar, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Amplifier. 2,116,719; May 10.

Weisser, Charles O., and E. H. Severson, Los Angeles, Calif. Preserving food. 2,116,813; May 10.

Welker, Oscar B., Middletown, Conn. Apparatus for making resilient bushings. 2,117,046; May 10.

Wells, Edward H., Jr., assignor to Johns-Manville Corporation, New York, N. Y. Gasket. 2,116,746; May 10.

Wengard, Ben, Waterloo, Iowa. Screen for automobile radiators. 2,116,857; May 10.

Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Control system. 2,117,123; May 10.

Werner, Eugene K., assignor to F. K. Werner and A. Enz, New York, N. Y. Fountain pen. 2,116,919; May 10.

Werner, Francis K., et al. (See Werner, Eugene K., assignor.)

Western Cartridge Company. (See Olin, John M., assignor.)

Western Chain Products Co. (See Stuller, Earl A., assignor.)

Western Electric Company. (See Barothy, Charles F., assignor.)

Western Electric Company. (See Bouvier, G. A., and Laird, assignors.)

Western Electric Company. (See Gates, John C., assignor.)

Western Electric Company. (See Lemmon, Clair L., assignor.)

Western Union Telegraph Company, The. (See Dirkes, R. F., Wheeler, and Kimball.)

Western Union Telegraph Company, The. (See Haglund, Hakon H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)

Westinghouse Electric & Manufacturing Company. (See Soderberg, Carl R., assignor.)

Westinghouse Electric & Manufacturing Company, et al. (See Breer, C., Goode, and Sherman, assignors.)

Westinghouse Electric & Manufacturing Company, et al. (See Conrad, Frank, assignor.)

Westinghouse Electric & Manufacturing Company, et al. (See Conrad, F., and Goode, assignors.)

Westrope, Fred J. (See Widman, C. H., and Westrope.)

Wheeler, Clarence A., Toronto, Ontario, Canada. Crank-pin assembly. 2,117,124; May 10.

Wheeler, Evan R. (See Dirkes, R. F., Wheeler, and Kimball.)

Wheelock, John H., Fitzwilliam, N. H., assignors to Signal Engineering & Manufacturing Company, New York, N. Y. Circuit controlling device. 2,117,047; May 10.

White Cap Company. (See White, William P., assignor.)

White, Everett H., St. Paul, Minn. Remote control mechanism. 2,117,048; May 10.

White Motor Company, The. (See Brumbaugh, Andrew K., assignor.)

White, William P., Glencoe, assignor to White Cap Company, Chicago, Ill. Closure cap and package. 2,116,938; May 10.

Whitehead, William, and C. Hutson, Cumberland, Md., assignors to Celanese Corporation of America. Manufacture of artificial filaments, yarns, or threads. 2,116,548; May 10.

Whittier, Elmer S., Bristol, assignor to The Cooper Oven Thermometer Company, Plymouth, Conn. Instrument supporting device. 2,117,012; May 10.

Wickenden, Leonard, Manhasset, assignor to Beau May Process Corporation, New York, N. Y. Concentration of liquid food material. 2,116,920; May 10.

Widman, Charles H., and F. J. Westrope, Detroit, Mich., assignors to The Murray Corporation of America. Rear end vehicle construction. 2,117,049; May 10.

Wiegand, Kurt, Hohen-Neuendorf, near Berlin, Germany, assignor to General Electric Company. Electric discharge device. 2,116,720; May 10.

Wilbur, Donald A., Troy, N. Y. Distortion balanced demodulator. 2,116,814; May 10.

Williams, Beverly E., and L. L., Cadwell, assignors to Swift and Company, Chicago, Ill. Treatment of lamb carcasses. 2,117,125; May 10.

Williams, Burdell S., Greenwich, Conn., assignor to Airtemp, Incorporated, Dayton, Ohio. Self-contained air-conditioning unit. 2,116,873; May 10.

Wilson, Clyde P., Hugo, Okla. Inside casing cutter. 2,117,050; May 10.

Wilson-Jones Company. (See Unger, P. O., and Wedge, assignors.)

Wilson, Joseph G., Tulsa, Okla. Dry concentrator. 2,116,815; May 10.

Winchester Repeating Arms Company. (See Crockett, Harry L., assignor.)

Winckler Engineering Laboratories Incorporated. (See Winckler, Gunnar A. F., assignor.)

Winckler, Gunnar A. F., Worcester, assignor to Winckler Engineering Laboratories Incorporated, Boston, Mass. Thermostat switch. 2,116,858; May 10.

Wingfoot Corporation. (See Smith C. H., and Gay, assignors.)

Wingfoot Corporation. (See Urquhart, W. R., and Maas, assignors.)

Winkler, Kaspar, Lugano-Crocifisso, Switzerland. Concrete road-making machine. 2,116,816; May 10.

Winstanley Bros. (See Winstanley, John, assignor.)

Winstanley, John, assignor to Winstanley Bros., Fall River, Mass. Reclaiming attachment for braider bobbins. 2,117,126; May 10.

Wochner, Henry, assignor to Bear Manufacturing Company, Rock Island, Ill. Wheel balancing mechanism. 2,117,073; May 10.

Wolf, Emil, Budapest, assignor to The firm Chinoin-Gyogyszer-Es Vegyeszeti Termekek Gyara R. T. (Dr. Kereszty and Dr. Wolf), Ujpest, Hungary. Medicinal preparation of diuretic effect and its preparation. 2,116,872; May 10.

Wood, Paul A., Roanoke, Va. Building construction. 2,116,859; May 10.

Woodings, Robert T., Oakmont, assignor to Woodings-Verona Tool Works, Verona, Pa. Spring washer. 2,116,690; May 10.

Woodings-Verona Tool Works. (See Dawson, Charles W., assignor.)

Woodings-Verona Tool Works. (See Woodings, Robert T., assignor.)

Woods, Ernest L., Chicago, Ill. Device for holding a lower window sash in place when partially raised. 2,117,072; May 10.

Woolvin, Clarence S. (See Baldwin, A. W., Blackshaw, and Woolvin.)

Workman, Clarence E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resilient support. 2,117,264; May 10.

Yale & Towne Manufacturing Company, The. (See Goehring, William E., assignor.)

Yarger, Milton R., assignor of thirty percent to R. H. Andrews, Jr., Morgantown, W. Va. Shelving. 2,117,127; May 10.

Young, Frank W. (See Draper, W. V., and Young.)

Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,117,128; May 10.

Young, James R., Ann Arbor, assignor to Barnes-Gibson-Raymond, Inc., Detroit, Mich. Radio dial knob. 2,117,074; May 10.

Young, Leonard A., Detroit, Mich. Shaft for golf clubs and the like. 2,117,129; May 10.

Z Pack Corporation. (See Zarotschenzeff, Wladimir M., assignor.)

Zahm, Edward and G. G., assignors to Zahm & Nagel Co. Inc., Buffalo, N. Y. Method and apparatus for carbonating beverages. 2,116,939; May 10.

Zahm, George G. (See Zahm, Edward and G. G.)

Zahm & Nagel Co. Inc. (See Zahm, Edward and G. G., assignors.)

Zarotschenzeff, Wladimir M., Englewood, assignor to Z Pack Corporation, Jersey City, N. J. Method and apparatus for freezing vegetables and fruits. 2,116,738; May 10.

Zeiss Ikon Aktiengesellschaft. (See Joachim, Hermann, assignor.)

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Telegraph system. 2,116,549; May 10.

Zima, Frank J., Geneva, Ohio. Archer's bow. 2,116,650; May 10.

Zinkil, Roy H., Oak Park, and E. A. Fredrickson, assignors to Crane Co., Chicago, Ill. Mixing valve. 2,116,806; May 10.

# LIST OF REISSUE INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 10TH DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Card punching machine. W. W. Lasker. Re. 20,720; May 10.
Chemical compound. W. Brün. Re. 20,718; May 10.
Controller for inductive devices. D. C. Wright. Re. 20,724; May 10.
Jig, Valve stem clearance. D. Pointer. Re. 20,721; May 10.
Metals with silicon, Impregnation of. H. K. Ihrig. Re. 20,719; May 10.
Truck, Spring damping. E. W. Webb. Re. 20,723; May 10.
Wedge, Blade anchoring. J. W. Schmidt. Re. 20,722; May 10.

# LIST OF DESIGN INVENTIONS

Ashtray, pipe knocker, and pipe rack, Combined. E. F. McDonald. 109,616; May 10.
Beater or similar article, Egg. C. A. Rowley. 109,647; May 10.
Bottle and stopper therefor, Combination. T. Perzinger. 109,618; May 10.
Box and mirror, Combined make-up. C. K. Marcell. 109,665–7; May 10.
Broiler, Electric. F. C. Kimmel. 109,640; May 10.
Brush or the like. F. S. Beveridge. 109,634; May 10.
Cabinet, Phonograph. G. A. Gast. 109,657; May 10.
Cabinet, Radio. O. N. Christensen. 109,635; May 10.
Cabinet, Refrigerator. R. E. Patten. 109,644; May 10.
Cabinet, Telephone. T. N. Saaty. 109,648; May 10.
Camera. W. D. Teague. 109,629; May 10.
Canopy, Service station. R. N. Aldrich and A. H. Jaehne. 109,650; May 10.
Cape. B. Cohn. 109,654; May 10.
Case or similar article, Lipstick. F. Spitalny. 109,649; May 10.
Cleaner, Oil. H. A. Murphy. 109,643; May 10.
Coat. I. Cohen. 109,636; May 10.
Corner trimming unit. T. Christie. 109,604; May 10.
Cover, Chair pad. E. Ring. 109,621; May 10.
Crib. S. C. Pearson. 109,645; May 10.
Curtain. F. A. Baird. 109,600; May 10.
Dental model, Display. H. Weiss. 109,631; May 10.
Dough mixer. E. J. Lauterbur. 109,615; May 10.
Dress. D. Bellinson. 109,681–2; May 10.
Dress. H. Berry. 109,602; May 10.
Dress. M. Michelson. 109,669; May 10.
Dress ensemble. T. Coleman. 109,608; May 10.
Dress ensemble. S. Comolli. 109,609; May 10.
Dress, Knitted. B. Pollner. 109,646; May 10.
Eyelet. W. Hughes. 109,614; May 10.
Fabric or similar article, Embroidered. R. Dannecker. 109,655–6; May 10.
Fabric, Textile. J. Chapman. 109,606; May 10.
Fabric, Textile. E. von Eisenbarth. 109,630; May 10.
Fabric, Textile. J. Chapman. 109,653; May 10.
Fan, Electric. R. E. Kruck. 109,663; May 10.
Fixture or similar article, Lighting. L. L. Stewart. 109,627; May 10.
Garment, Combination. D. B. Barbour. 109,651; May 10.
Goblet or similar article. R. R. Kostellow. 109,662; May 10.
Griddle or the like. G. A. Hamilton. 109,658; May 10.
Grille for automobile radiator. J. Oswald. 109,672; May 10.
Grille for an automobile radiator, Decorative. G. Snyder. 109,677; May 10.
Grille for an automobile radiator, Ornamental. J. Oswald. 109,671; May 10.
Guard, Drill press. J. Tate. 109,628; May 10.
Handkerchief. M. J. Rosen. 109,622; May 10.
Kettle. J. R. Morgan. 109,642; May 10.
Lace medallion. E. Mahadeen. 109,664; May 10.
Lamp. I. Wooga. 109,633; May 10.
Lamp, Table. W. C. Anderson. 109,599; May 10.
Lighting fixture. J. A. Hoeveler. 109,660–1; May 10.
Lock for a bag or similar article, Snap. H. Rubin. 109,623; May 10.
Mounting, Endpiece for an ophthalmic. G. E. Nerney. 109,670; May 10.
Ornament, Christmas tree. S. D. Cohen. 109,607; May 10.
Ornament, Shoe. H. G. Whitehouse. 109,632; May 10.
Oven front. J. V. Timmons. 109,680; May 10.
Pencil lead testing machine. C. J. Essmann. 109,638; May 10.
Piano case. W. M. Day. 109,637; May 10.
Pin, Novelty. L. Ditchik. 109,610; May 10.
Rack, Display. G. E. Richter. 109,620; May 10.
Rack for kitchen utensils or the like, Supporting. W. J. Marcus. 109,641; May 10.
Ring, Finger. M. J. Stein and L. Aisenstein. 109,626; May 10.
Scraper, Boot. S. B. Butt. 109,603; May 10.
Shade, Light diffusing torchiere. R. Orth. 109,617; May 10.
Shaving implement. H. T. Schiff. 109,624; May 10.
Shoe. J. R. Sutton. 109,678–9; May 10.
Slipper. R. E. Frederick. 109,613; May 10.
Slipper. H. Shurak. 109,625; May 10.
Smoking device. G. Cippico. 109,605; May 10.
Spectacle front. J. J. Pomeranz. 109,673; May 10.
Speedometer. C. M. Gunn. 109,639; May 10.
Spread or similar article. M. F. Hauck. 109,650; May 10.
Stair tread holder or similar article. E. Reynolds. 109,619; May 10.
Stool. J. M. Ranko. 109,674; May 10.
Tassel. C. N. Merralls. 109,668; May 10.
Toaster or similar article, Electric. J. E. Barrett. 109,652; May 10.
Tool, Welder's. L. J. Berlanger. 109,601; May 10.
Toy figure. E. S. Dutcher. 109,612; May 10.
Tumbler or similar article. T. D. Saunders. 109,675–6; May 10.
Typewriter. W. A. Dobson. 109,611; May 10.



# LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 10TH DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid anhydride, Manufacture of a lower fatty. H. Dreyfus. 2,116,656; May 10.
Acid resisting alloy. R. B. McCauley. 2,117,191; May 10.
Acids, Amino. L. Orthner. 2,117,207; May 10.
Acids, their esters and anhydrides, Catalytic hydrogenation of carboxylic. H. R. Arnold and W. A. Lazier. 2,116,552; May 10.
Advertising device. J. E. Sayre. 2,116,542; May 10.
Advertising or display device. W. J. French. 2,117,088; May 10.
Adjustable stretcher frame. W. A. Davis. 2,117,055; May 10.
Adjusting mechanism for transmissions. W. A. Garratt. 2,116,624; May 10.
Advertising device. L. Prins. 2,116,638; May 10.
Air conditioner. C. E. Lewis. 2,116,839; May 10.
Air conditioner. L. Lyons. 2,117,033; May 10.
Air conditioning evaporator unit. R. F. Peo. 2,116,981; May 10.
Air conditioning system. W. H. Mussey, F. L. Murphy, and H. F. Peterson. 2,116,538; May 10.
Air-conditioning unit, Self-contained. B. S. Williams. 2,116,873; May 10.
Aircraft navigating instrument. C. H. Colvin. 2,116,508; May 10.
Airplane structure. A. Sambraus. 2,116,953; May 10.
Alcohols, Recovery of polyhydric. K. R. Brown. 2,116,665; May 10.
Alloy: *See*—
Acid resisting alloy.
Alloy. M. J. Udy. 2,117,263; May 10.
Alloys, Heat-treating. J. W. Bolton. 2,116,923; May 10.
Ammunition. W. Brun and J. E. Burns. 2,116,878; May 10.
Amplifier. W. Wehnert. 2,116,719; May 10.
Anchor, Rail. L. Spencer. 2,116,955; May 10.
Anhydride, Manufacture of a lower aliphatic. H. Dreyfus. 2,116,657; May 10.
Annunciator system. M. F. Ketay. 2,116,947; May 10.
Anode, Electrodeposition. W. J. Harshaw. 2,116,929; May 10.
Antenna and coupler system, All-wave. R. B. Dome. 2,117,154; May 10.
Antenna, Short-wave. J. L. Reinartz. 2,116,734; May 10.
Antiglare device. D. H. Lamar. 2,117,181; May 10.
Antislip device for footwear. W. Vorwerk. 2,116,956; May 10.
Antistreptococcic agents and making them. E. C. Kleiderer and H. A. Shonle. 2,117,251; May 10.
Apparatus for treatment with solvents. C. F. Dinley. 2,116,862; May 10.
Article, Brazed. H. F. Silliman. 2,117,106; May 10.
Articles, Apparatus for production of molded. P. Kopp. 2,117,179; May 10.
Articles from forms, Method and apparatus for removing. R. Van Hyning. 2,116,916; May 10.
Articles, Making fabricated. C. F. Barothy. 2,116,555; May 10.
Articles of polymeric acrylic acid nitrile, Manufacture of shaped. H. Rein. 2,117,210; May 10.
Artillery wheel. C. L. Eksergian and P. W. Gaensslе. 2,116,599; May 10.
Ashtray and extinguisher. R. P. Harshberger. 2,116,659; May 10.
Asphalt, Depropanizing. E. B. Tucker and E. W. Thiele. 2,116,772; May 10.
Attachment for braider bobbins, Reclaimer. J. Winstanley. 2,117,126; May 10.
Attachment for lawn mowers. J. P. Hoerner. 2,116,829; May 10.
Attachment for motor vehicles. A. A. Gould. 2,116,757; May 10.
Automatic hand signal. A. L. Chang. 2,116,694; May 10.
Automobile body, Convertible. J. Garami. 2,117,059; May 10.
Automobile door lock. W. McClung. 2,117,192; May 10.
Bag holder. A. J. Geesaman. 2,116,784; May 10.
Bag latch. A. T. Long. 2,116,949; May 10.
Bag machine. W. H. Engel. 2,116,566; May 10.
Bag manufacture. I. Gurwick. 2,116,571; May 10.
Ball center, Playing. C. C. Davis and J. H. Gregory. 2,117,083; May 10.
Bank vault ventilator. W. E. Goehring. 2,117,244; May 10.
Barometric device. C. B. Watson. 2,116,991; May 10.
Barrel, Double walled. E. F. Lee. 2,116,795; May 10.
Barrette. D. D. Schneewels. 2,116,799; May 10.
Bathtub support. R. B. Clark. 2,117,233; May 10.
Battery-charging system. F. Conrad and G. C. Goode. 2,117,018; May 10.
Beading machine. S. S. Millen. 2,116,906; May 10.
Beam lock. C. D. Brown. 2,117,142; May 10.
Beam saddle, Walking. A. N. Porter. 2,116,932; May 10.
Bearing. A. G. F. Wallgren and C. G. Janson. 2,116,871; May 10.
Bearing alloy. J. G. Ryan. 2,116,851; May 10.
Bed, Disappearing wall. H. H. Hall. 2,116,698; May 10.
Bedspring. D. C. Travis. 2,116,588; May 10.
Bell, Contactless. M. F. Ketay. 2,117,064; May 10.
Belt and making the same, Woven wire. N. W. Webb. 2,116,811; May 10.
Belt and tape cutting machine. J. K. Diamond. 2,117,153; May 10.
Beverages, Method and apparatus for carbonating. E. and G. G. Zahm. 2,116,939; May 10.
Binder, Loose leaf. P. O. Unger and F. D. Wedge. 2,116,989; May 10.
Binders, Manufacture of ring. C. D. Trussell. 2,117,262; May 10.
Binding, Ski. G. S. Sprague. 2,116,985; May 10.
Bit structure, Roller. R. R. Crum. 2,116,561; May 10.
Bitumen, Production of. K. Kell. 2,117,177; May 10.
Bladed implement. R. T. Hamel. 2,116,890; May 10.
Blind tilting mechanism, Venetian. G. F. McKerlie. 2,117,195; May 10.
Blower with adjustable housing. R. L. Payne and B. B. Dunn. 2,116,539; May 10.
Blowing device for powders. J. P. Hansen. 2,117,093; May 10.
Boards, System for laying. L. F. Urbain. 2,116,737; May 10.
Bobbin enclosure for textile twisting machines. W. L. Schautz and A. L. Lewis. 2,116,543; May 10.
Bobbin for sewing machines. C. F. Rubel. 2,116,982; May 10.
Boiler control for electric locomotives, Steam heating. W. S. H. Hamilton and K. B. Rowell. 2,116,943; May 10.
Book cover. F. J. Osuch. 2,116,798; May 10.
Book including sheet-binding means and blanks therefor, Wire-bound. E. A. Trussell. 2,116,589; May 10.
Bottle corking machine. W. H. Simpson and B. L. Baille. 2,117,041; May 10.
Bow, Archer's. F. J. Zima. 2,116,650; May 10.
Bowl, Flush. D. W. McNeil. 2,116,527; May 10.
Bowl structure, Flush. D. W. McNeil. 2,116,528–9; May 10.
Box: *See*—
Make-up box.
Box intended to be vacuumized, or like container, Tin. A. F. Cowan. 2,117,151; May 10.
Box or like container intended to be vacuumized, Tin. A. L. Stuchbery. 2,117,228; May 10.
Bracket and headboards for Venetian blinds. J. K. Heymer. 2,117,167; May 10.
Bracket for awning blinds. C. J. Hesse. 2,116,972; May 10.
Bracket for containers. R. W. Hormann. 2,116,576; May 10.
Bracket for knitting machines, Bumper. R. H. Lawson and A. Gagné. 2,116,632; May 10.
Brake. J. G. Hawley. 2,116,515; May 10.
Brake beam and/or brake head. C. R. Busch. 2,116,594; May 10.
Brake, especially for railway cars, Vehicle. B. H. Browall. 2,116,824; May 10.
Brake indicating and testing device. H. W. Langbein. 2,117,027; May 10.
Brake system, Automotive. H. R. Trotter. 2,116,855; May 10.
Brake system for motor vehicle. E. A. Dickey. 2,116,882; May 10.
Brake testing device. Y. Lion. 2,117,031; May 10.
Buckle structure. E. A. Stuller. 2,116,745; May 10.
Building construction. P. A. Wood. 2,116,859; May 10.
Building construction, Soundproof. W. D. Barge. 2,116,654; May 10.
Building frame construction. H. H. Payzant. 2,117,070; May 10.
Building structure. F. E. McCabe. 2,116,530–5; May 10.
Building unit or slab and assembling same, Pre-cast. C. M. Huntington. 2,116,946; May 10.
Bumper, Vehicle. L. Miller. 2,117,201; May 10.
Burner: *See*—
Oil burner.
Burner. O. L. Appleby. 2,116,691; May 10.
Burner. M. C. Spencer. 2,117,108; May 10.
Bushings, Apparatus for making resilient. O. B. Welker. 2,117,046; May 10.
Butterflies, Preserving. K. Deubel. 2,116,752; May 10.

By-products during the production of gas and coke, Recovery of valuable. W. Reppekus. 2,116,641; May 10.
Cabinet: *See*—
Switch cabinet.
Cabinet, Constructing a. L. H. Darbyshire. 2,117,082; May 10.
Cable: *See*—
Electric cable.
Calculating device. C. J. Dussell. 2,117,155; May 10.
Camera adapted to take motion pictures and still pictures. H. Abrams. 2,116,551; May 10.
Camera, Focusing. O. E. Trautmann. 2,117,231; May 10.
Can casing machine. W. D. Kimball and C. I. Braren. 2,116,793; May 10.
Cap and package, Closure. W. P. White. 2,116,938; May 10.
Car ventilator. H. Giddings. 2,117,000; May 10.
Carbon black, Producing. F. C. Reed. 2,116,848; May 10.
Carbon dioxide, Method of and apparatus for producing. F. B. Hunt, J. H. Pratt, H. S. Tirrell, and R. L. Turner. 2,117,025; May 10.
Carbonyl compounds, Chlorinating and brominating. P. Heisel. 2,116,893; May 10.
Carburetor. E. F. C. Seignol and F. J. Monier. 2,116,608; May 10.
Carcasses, Treatment of lamb. B. E. Williams and L. L. Cadwell. 2,117,125; May 10.
Card holder, Stencil. J. C. Gates. 2,116,568; May 10.
Carrier for storage cabinets, Movable. C. R. D'Olive. 2,116,564; May 10.
Carton, Collapsible. W. P. Frankenstein. 2,116,513; May 10.
Cartridge, Dusting material. W. H. Rose. 2,116,714; May 10.
Case: *See*—
Refrigerator case.
Casing and tubing head. S. P. Tschappat. 2,116,856; May 10.
Casing, Insulated refrigerator. H. B. Lindsay. 2,116,662; May 10.
Casing perforator. H. E. Harr and H. Colwell. 2,116,572; May 10.
Cathode ray oscillograph. H. M. Dowsett and R. Cadzow. 2,116,671; May 10.
Cellulose xanthate solution, Preparation of. G. A. Richter. 2,117,037; May 10.
Cellulose xanthate solutions, Making. G. A. Richter. 2,117,038; May 10.
Centering device for articulated trucks. W. S. H. Hamilton and F. W. Butt. 2,116,944; May 10.
Centrifugal pump. W. E. Pratt. 2,117,011; May 10.
Chain. J. C. Howe. 2,117,169; May 10.
Chain length adjuster, Bead. W. D. Blatz. 2,117,137; May 10.
Chair: *See*—
Tiltable chair.
Charge forming device for internal combustion engines. R. E. and R. A. Chartier. 2,116,962; May 10.
Cigar lighter. J. H. Cohen. 2,117,232; May 10.
Cigarette holder. I. Meohas. 2,116,706; May 10.
Circuit breaker. J. G. Jackson. 2,116,791; May 10.
Circuit breaker, Electric. H. Thommen. 2,117,261; May 10.
Circuit controlling device. J. H. Wheelock. 2,117,047; May 10.
Circuits, Signal control. B. G. Björnson. 2,116,558; May 10.
Circuits, Variable tuned. A. B. Crawford. 2,116,996; May 10.
Closure, Container. J. Belmont. 2,117,075; May 10.
Closure, Dispenser. J. R. Ring. 2,117,071; May 10.
Closure for cotton gin roll boxes. J. Blewett. 2,116,823; May 10.
Closure for packing containers. K. W. Mauser. 2,116,841; May 10.
Cloth or fabric, Treating or processing. M. N. Bulford. 2,117,079; May 10.
Clothes hanger. L. R. Jones. 2,116,631; May 10.
Clothesline hook. F. H. McLain. 2,116,729; May 10.
Clutch. C. M. Eason. 2,116,740; May 10.
Clutch mechanism. C. M. Eason. 2,116,739; May 10.
Coal, Method and composition for treating. W. E. Kleinicke and G. P. Hevenor. 2,116,682; May 10.
Coat and manufacture. J. Hassel. 2,117,163; May 10.
Cock. B. E. Meacham. 2,117,193; May 10.
Coding and decoding machine. W. S. Lemmon and A. C. Holt. 2,116,683; May 10.
Coding and decoding machine. A. R. Noll. 2,116,731–3; May 10.
Coloring matters of the phthalocyanine type. I. M. Heilbron, F. Irving, and R. P. Linstead. 2,116,602; May 10.
Combination lock. A. Kittler. 2,116,837; May 10.
Communication system. G. W. Watson. 2,116,649; May 10.
Composition and method for joining surfaces. E. C. Pitman. 2,117,209; May 10.
Composition and process for the production of fertilizers. W. H. Kniskern and C. K. Lawrence. 2,116,866; May 10.
Compounds, Production of molecular. K. Quehl. 2,116,640; May 10.
Concentrator, Dry. J. G. Wilson. 2,116,815; May 10.
Concrete and the like, Apparatus for compacting. R. A. Niekamp. 2,116,708; May 10.
Concrete paver. A. E. Lundbye. 2,117,184; May 10.
Concrete road-making machine. K. Winkler. 2,116,816; May 10.
Conductor, Metal covered fluid. F. S. Hudson. 2,116,896; May 10.
Connecter: *See*—
Electric connecter. Wire connecter.
Container: *See*—
Metal container.
Container. I. Florman. 2,117,157; May 10.
Container. H. L. Freund and W. L. R. Menges. 2,116,567; May 10.
Container for the transport of merchandise. A. J. A. Crescent and A. J. Robinet. 2,116,825; May 10.
Control for electric ranges, System of. G. H. Hart. 2,116,787; May 10.
Control means. F. H. Owens. 2,117,254; May 10.
Control mechanism for automotive vehicles. A. K. Brumbaugh. 2,117,016; May 10.
Control system. H. E. Weaver. 2,116,992; May 10.
Control system. C. J. Werner. 2,117,123; May 10.
Conveyer. E. F. Seibel. 2,116,800; May 10.
Cooler. F. T. Powers. 2,116,711; May 10.
Copper-oxide rectifier. F. Conrad. 2,117,020; May 10.
Counter with telescoped number wheels. A. Holzner. 2,117,168; May 10.
Coupler. N. B. Akitt. 2,116,817; May 10.
Coupling: *See*—
Pipe coupling.
Cover: *See*—
Book cover.
Cover and cushion, Bedpan. L. A. Chambers. 2,116,560; May 10.
Covering, Building. E. L. Black. 2,117,014; May 10.
Crankpin assembly. C. A. Wheeler. 2,117,124; May 10.
Crate for packing and unpacking tile. H. S. McElroy. 2,117,194; May 10.
Crop ends in strip mills, Apparatus for and method of disposing of. G. F. Paul. 2,117,009; May 10.
Crutch. E. L. Menton. 2,116,730; May 10.
Crutch or cane spike. C. B. Francis. 2,116,941; May 10.
Culinary appliance. H. J. Goldblatt and J. B. Kessel. 2,116,756; May 10.
Cultivator or harrow, Motor driven. J. A. Lassas. 2,117,065; May 10.
Cuticle remover. F. Grodka. 2,116,888; May 10.
Cutter: *See*—
Inside casing cutter.
Cutting or milling machine. G. A. Bouvier and H. R. Laird. 2,116,593; May 10.
Damper. J. M. Tapley. 2,116,648; May 10.
Damper, Air flow indicating. M. C. Richardson. 2,116,911 May 10.
Damper, Dynamic. R. Chilton. 2,116,861; May 10.
Damping means for magnetic speedometers. C. H. H. Rodanet. 2,117,212; May 10.
Demodulator, Distortion balanced. D. A. Wilbur. 2,116,814; May 10.
Demonstrating apparatus. C. W. Cremer. 2,116,617; May 10.
Device for holding a lower window sash in place when partially raised. E. L. Woods. 2,117,072; May 10.
Device for indicating the amount of material in a tank. G. Neumann. 2,116,636; May 10.
Device for supporting and displaying merchandise. N. Snelling. 2,116,647; May 10.
Diaphragm. W. C. Shaw. 2,117,219; May 10.
Dictating machine. T. H. Beard, J. E. Renholdt, and C. H. Merritt, III. 2,117,236; May 10.
Dihydroxylates, Heavy metal azomethine diarylene. K. Schmidt and O. Wahl. 2,116,913; May 10.
Dish, Serving. L. Pittler. 2,117,102; May 10.
Dispenser: *See*—
Paper towel dispenser.
Dispensing and signal apparatus, Coin controlled. J. W. Calvert. 2,117,144; May 10.
Dispensing apparatus for beverages. C. H. Eisenmenger. 2,116,622; May 10.
Dispensing container. C. E. Hoyt. 2,116,973; May 10
Dispensing device for collapsible tubes. C. S. Mann. 2,116,904; May 10.
Display construction. A. B. Mull. 2,116,908; May 10.
Display device. L. H. Ireland. 2,117,249; May 10.
Distance and depth measurement, System and method of. W. Kunze. 2,116,523; May 10.
Distance and direction determining system. H. Scharlau. 2,116,717; May 10.
Distributor and spreader, Material. F. F. Arndt. 2,116,612; May 10.
Doctor mechanism for rolls and cylinders. F. W. Lodding. 2,117,032; May 10.
Dog starting apparatus. T. A. Keen. 2,116,520; May 10.
Dome light. R. L. Dashner. 2,116,750; May 10.
Door fastener, Hook and eye. V. Giardina and A. Primos. 2,117,159; May 10.
Door holder. G. M. Gouse. 2,117,060; May 10.
Doorknob, Screwless. M. H. Morrell. 2,116,707; May 10.
Dough molder. W. G. Kirchhoff. 2,116,930; May 10.
Drafting device. W. J. Greenleaf and L. Skeel. 2,116,887; May 10.
Dredge. H. Doxsee, Jr. 2,116,883; May 10.
Drilling control mechanism. W. Brauer. 2,117,078; May 10.



Duplicating machine. J. W. Heralund. 2,117,165; May 10.
Dust gun. W. H. Rose. 2,116,715–16; May 10.
Dyeing process. A. W. Baldwin, H. Blackshaw, and C. S. Woolvin. 2,116,553; May 10.
Egg candling apparatus. W. A. Caswell. 2,117,146; May 10.
Electric cable. H. Rost. 2,116,643; May 10.
Electric connecter. E. A. Larsson. 2,117,029; May 10.
Electric discharge device. K. Wiegand. 2,116,720; May 10.
Electric discharge device and operating same, Gaseous. T. E. Foulke. 2,116,970; May 10.
Electric discharge device and operating the same, Gaseous. T. E. Foulke. 2,116,677; May 10.
Electric discharge device, Gaseous. W. Elenbaas and G. B. Jonas. 2,116,742; May 10.
Electric discharge device, Gaseous. H. Ewest and G. Gaidies. 2,116,672; May 10.
Electric discharge device, Gaseous. M. Pirani and A. Fehse. 2,116,710; May 10.
Electric lamp. G. V. Downer. 2,116,722; May 10.
Electric lamp. G. E. Inman. 2,116,681; May 10.
Electric switch gear. K. T. Ashdown and V. L. Cox. 2,117,130; May 10.
Electrical apparatus, System for measuring the characteristics of. C. L. Lemmon. 2,116,606; May 10.
Electrical contact means. H. A. Douglas. 2,116,510; May 10.
Electrical discharge device. E. Germer. 2,116,927; May 10.
Electrical distribution system. W. H. Frank and L. E. Fisher. 2,116,676; May 10.
Electrical distribution system. W. A. Harper and W. H. Frank. 2,116,674; May 10.
Electrical measuring instrument. G. Marchetti. 2,116,950; May 10.
Electrode for television tubes, Mosaic. M. Knoll. 2,116,901; May 10.
Electromagnet, Coin collector. J. M. Melick. 2,116,580; May 10.
Electron discharge device. H. H. Haglund. 2,117,246; May 10.
Electron discharge device. D. A. S. Hale and V. L. Ronci. 2,117,001; May 10.
Electronic discharge device, Secondary emissive. E. G. Linder. 2,117,098; May 10.
Emergency balancing means. J. R. Austin and D. R. Berlin. 2,117,234; May 10.
Engine frame. J. Pavlecka. 2,117,118; May 10.
Engine frame. G. Pielstick. 2,117,036; May 10.
Engine starting. F. E. Liverance, Jr. 2,117,066; May 10.
Engine starting apparatus. H. A. Thornburg and J. V. Brown. 2,117,230; May 10.
Engine starting mechanism. F. A. Stein. 2,117,225; May 10.
Engine structure. J. Pavlecka. 2,117,117; May 10.
Engines at different speeds of revolution, Device for regulating the running of injection. E. Schimanek. 2,117,105; May 10.
Exhibiting machine. R. L. L. Warner. 2,117,045; May 10.
Expansible cutter tool. G. D. Johnson. 2,116,898; May 10.
Expansible cutter tool. J. W. MacClatchie, G. D. Johnson, and C. A. Thies. 2,116,903; May 10.
Explosive. N. G. Johnson. 2,117,173; May 10.
Exposure meter. H. Joachim. 2,117,004; May 10.
Exterminating corn beetles and other vermin. W. Freyberg and W. Haupt. 2,117,158; May 10.
Fabric: *See*—
Laminated fabric. Woven elastic fabric.
Fastener: *See*—
Door fastener.
Fastener units, Making. R. C. Legat. 2,116,726; May 10.
Fastener units, Making. G. E. Prentice. 2,116,712; May 10.
Fasteners, Making slide. G. Sundback. 2,116,547; May 10.
Fastening device. R. Krantz. 2,117,005; May 10.
Fastening means for breeches. M. Harris. 2,116,700; May 10.
Feed, Diminishing. E. D. La Fleur. 2,116,794; May 10.
Feed dispensing apparatus for poultry or the like. M. L. Hall. 2,116,699; May 10.
Felts of frangible fibers, Shaping. E. R. Powell 2,116,663; May 10.
Fender, Ship. W. R. Urquhart and E. F. Maas. 2,117,121; May 10.
Fertilizer, Protein-carbohydrate. R. Formhals. 2,117,087; May 10.
Fibers, Method and apparatus for the production of. A. Formhals. 2,116,942; May 10.
Filaments, yarns, or threads, Formation of artificial. C. Hutson. 2,116,660; May 10.
Filaments, yarns, or threads, Manufacture of artificial. W. Whitehead and C. Hutson. 2,116,548; May 10.
File, Fingernail. E. Bickley. 2,117,053; May 10.
Film-phonograph for reducing a sound track and rephotographing the reduced track onto a narrow independent film remote from the master film. D. Canady. 2,117,145; May 10.
Filter: *See*—
Light filter.
Filter. J. R. Miller. 2,116,537; May 10.
Filtration system, Electric. F. G. Cottrell. 2,116,509; May 10.
Firearm. H. L. Crockett. 2,116,618; May 10.
Fish lure. P. S. Bear. 2,116,994; May 10.
Fishing lure. J. A. Neff. 2,117,206; May 10.
Fishing rod reel. E. N. Moor; Elizabeth C. Moor, owner by decree of distribution. 2,116,581; May 10.
Flask, Dental. J. G. Feminella. 2,117,086; May 10.
Flatiron, Liquid fuel. J. Slezak. 2,117,259; May 10.
Flatiron support. J. Slezak. 2,117,042; May 10.
Flexible engine support. G. S. Tremaine. 2,116,988; May 10.
Flexible screen. E. K. Pilcher. 2,116,847; May 10.
Flooring. J. Mcgee. 2,117,198; May 10.
Flotation process. S. Lenher and J. L. Gillson. 2,116,727; May 10.
Flow-responsive device. S. L. Adelson. 2,116,550; May 10.
Fluid control device. A. L. Klawitter. 2,117,096; May 10.
Fluids, Circulating. K. P. Brace and R. B. P. Crawford. 2,116,958; May 10.
Fluorescent lamp. C. A. Laise. 2,116,977; May 10.
Fodder and product, Preserving green. R. G. Ferris. 2,117,058; May 10.
Food handling apparatus. D. A. Meeker. 2,116,764; May 10.
Food material, Concentration of liquid. L. Wickenden. 2,116,920; May 10.
Food, Preserving. C. O. Weisser and E. H. Severson. 2,116,813; May 10.
Foot-balancing means. C. P. Leydecker. 2,116,579; May 10.
Forestry implement, Combination. E. R. Stanford and H. V. Smith. 2,116,852; May 10.
Forging apparatus. C. W. Dawson. 2,116,670; May 10.
Forging apparatus. C. S. Swanson. 2,116,804; May 10.
Form tie, Concrete. S. C. Colt. 2,116,597; May 10.
Formaldehyde concentrates, Preparation of. H. Finkenbeiner and W. Schmäche. 2,116,783; May 10.
Fowl restraining device. R. S. Rotz. 2,116,850; May 10.
Fractionating column. E. G. Ragatz. 2,116,933; May 10.
Frame: *See*—
Adjustable stretcher frame. Engine frame.
Printing frame.
Freezer, Ice cream. E. T. Brace. 2,116,924; May 10.
Fuel delivered by an injection pump, Apparatus for controlling the amount of. M. Hurst and J. Weber. 2,117,248; May 10.
Fuel feeding device for engines. G. E. Beardsley, Jr., and W. A. Parkins. 2,116,876; May 10.
Fuel vaporizer and auxiliary fuel supply for internal combustion engines, Automatic. I. E. Coffey. 2,116,596; May 10.
Funnel, Drain. G. A. Moller. 2,116,979; May 10.
Funnel for sealed containers, Dispensing. G. A. Walker. 2,116,918; May 10.
Furnace: *See*—
Metallurgical furnace. Reducing furnace.
Fuse, Percussion. M. Birkigt. 2,116,820; May 10.
Game. M. Plesen. 2,116,687; May 10.
Game and game apparatus. O. James. 2,116,500; May 10.
Game apparatus. C. Conover. 2,117,080; May 10.
Games, Racing. J. Ray. 2,116,767; May 10.
Garment, Boneless foundation. A. M. Rabensdorf. 2,117,103; May 10.
Gas burner. H. C. Lloyd. 2,116,840; May 10.
Gas supplying apparatus. C. R. Richter. 2,116,642; May 10.
Gases, Apparatus for treating. B. M. Carter. 2,116,748; May 10.
Gaseous discharge device, Electric. W. Elenbaas. 2,116,741; May 10.
Gaseous discharge device, Electric. T. E. Foulke. 2,116,678; May 10.
Gaseous discharge lamp, Electric. J. Kern and H. Krefft. 2,116,702; May 10.
Gasket. E. H. Wells, Jr. 2,116,746; May 10.
Gate. E. J. Bopp. 2,116,821; May 10.
Gauge: *See*—
Pressure gauge. Stitching guide gauge.
Gauge and light switch, Combination safety oil. C. Jellik, Jr. 2,117,063; May 10.
Gauging machine. R. H. Cramer. 2,116,926; May 10.
Gear: *See*—
Electric switch gear.
Gear shifting mechanism. W. E. Bassett. 2,116,692; May 10.
Gear selector and shift, Automatic. R. Head. 2,116,892; May 10.
Gearing for chain-driven vehicles, Change-speed. V. Page. 2,117,116; May 10.
Generator: *See*—
Infrared generator. Welding generator.
Generator and rectifier combination, Double-winding. F. Conrad. 2,117,019; May 10.
Geophysical measurements, Apparatus for making. K. F. Hasselmann. 2,117,003; May 10.
Glass batch. F. C. Flint. 2,116,623; May 10.
Glass, Manufacture of sheet. F. L. Bishop. 2,116,693; May 10.
Glass press. H. W. Arnold and C. Badger. 2,116,921; May 10.

Glue, adhesive, and the like. O. R. Kreimeier and R. W. Maxwell. 2,116,867; May 10.
Golf club joint. A. A. Kraeuter. 2,116,762; May 10.
Golf clubs, Attachment for. J. Berrittella. 2,116,655; May 10.
Governor for internal combustion engines, Pneumatic. E. Holzbaur. 2,117,247; May 10.
Governor, Gas pressure. F. O., P. F., and J. H. G. Horstmann. 2,116,724; May 10.
Governor, Propeller. M. W. Rosner. 2,116,849; May 10.
Grinding machine. E. A. Hall. 2,116,498; May 10.
Grinding machine. E. H. Odom. 2,116,686; May 10.
Gripping implement. R. G. Hanneman. 2,116,928; May 10.
Ground fitting. C. G. Bondeson. 2,116,776; May 10.
Gun carriage. V. F. Lucht and E. C. Goebert. 2,116,526; May 10.
Gun charger, Automatic. R. C. Blaylock and C. G. Trimbach. 2,116,860; May 10.
Hair dyeing method and composition. W. Kritchevsky. 2,116,521; May 10.
Hair waving apparatus. P. Santurello. 2,116,644; May 10.
Handbag. R. W. Lehrfeld. 2,116,902; May 10.
Handbag or other article of luggage. F. N. Lewis. 2,116,869; May 10.
Hanger: *See*—
Clothes hanger. Suit hanger.
Hat, Adjustable sun. A. J. Subira. 2,116,736; May 10.
Hay loading device. D. O. Warner. 2,117,110; May 10.
Headlight. J. Maly. 2,117,099; May 10.
Heat exchange apparatus, Fluid. C. S. Smith. 2,116,546; May 10.
Heel plate for skiing. G. J. Cyr, Jr. 2,116,969; May 10.
Heels, Machine for slotting. G. Hazelton. 2,116,627; May 10.
Hinge. J. S. Clark. 2,117,148; May 10.
Hinge, Door. R. C. Jacobs. 2,116,758; May 10.
Hoist cat-head control, Spinner. W. W. Foster. 2,116,497; May 10.
Holder: *See*—
Bag holder. Door holder.
Card holder. Towel holder.
Cigarette holder.
Holder and cutter, Tape. M. J. Mangione. 2,117,253; May 10.
Hold open device. B. S. Bernhard. 2,117,013; May 10.
Hook: *See*—
Clothesline hook.
Hydrant appliance. A. Scillia. 2,116,770; May 10.
Hydrocarbons, Conversion of. P. L. Cramer. 2,117,022; May 10.
Hydrocarbons, Conversion of. V. Voorhees. 2,116,773; May 10.
Hydrogen, Production of. D. C. Bardwell. 2,116,903; May 10.
Hydrometer barrel plug. J. Z. Hoyer. 2,117,170; May 10.
Illuminating device. E. S. Bissell. 2,117,135; May 10.
Indicator for guns, Independent elevation. J. C. Karnes. 2,116,519; May 10.
Infrared generator. R. Rompe. 2,116,680; May 10.
Inside casing cutter. C. P. Wilson. 2,117,050; May 10.
Instrument supporting device. E. S. Whittier. 2,117,012; May 10.
Insulating unit. D. R. Seaman. 2,116,771; May 10.
Intaglio printing machine. J. Barash. 2,116,874; May 10.
Interfolding machine. J. J. Deloye. 2,116,782; May 10.
Internal-combustion engine, Rotary. D. S. Jay. 2,116,597; May 10.
Internal combustion motor. C. F. Heinze. 2,116,574; May 10.
Jacket for socket shells, Reinforcing. H. Hubbell, Jr. 2,116,518; May 10.
Jewelry box, Ornamental. J. Warner. 2,116,810; May 10.
Joint: *See*—
Golf club joint. Pipe joint.
T-lock joint.
Joint for concrete slabs. E. H. Geyer. 2,116,697; May 10.
Joint for machine parts, Flexible. A. Kégresse. 2,116,835; May 10.
Joist, Floor. R. W. Goetz. 2,116,886; May 10.
Juice extracting and distributing method, Fruit. V. Ruch. 2,117,215; May 10.
Key board. B. E. Walberg. 2,116,808; May 10.
Keyboard for musical instruments. L. Hammond. 2,117,002; May 10.
Knitting machine. E. F. Miller. 2,117,115; May 10.
Knitting machine, Circular. I. W. Grothey. 2,117,245; May 10.
Knitting machine for making glove fingers. C. H. Usher. 2,117,122; May 10.
Knitting machine, Jacquard device controlled. H. Korber. 2,116,761; May 10.
Knob lock. R. D. Muro. 2,117,203; May 10.
Knob, Radio dial. J. R. Young. 2,117,074; May 10.
Label pressing device. C. Holm. 2,116,790; May 10.
Lactose from whey, Recovery of. A. Leviton. 2,116,931; May 10.
Laminated construction and method. R. J. Gearson. 2,116,828; May 10.
Laminated fabric. G. Seddon. 2,116,984; May 10.
Lamp: *See*—
Electric lamp. Reflecting incandescent lamp.
Fluorescent lamp. Vibrationproof lamp.
Gaseous discharge lamp.
Latch: *See*—
Bag latch.
Latch operating mechanism, Door. R. E. Gale. 2,117,160; May 10.
Laundry machine. J. B. Kirby. 2,116,759; May 10.
Lead-manganese naphthenate, Manufacture of. G. M. Fisher. 2,116,884; May 10.
Lead ores, Working up of. K. R. Göhre. 2,116,679; May 10.
Lens blanks, Method and apparatus for positioning multifocal. L. G. Simpson. 2,117,221; May 10.
Lens for photography and the like. H. W. Lee. 2,117,252; May 10.
Lens mount. G. Laube and C. M. Miller. 2,116,704; May 10.
Leuco derivatives of triphenylmethane and their production, Polyhydroxy. Z. Földi. 2,116,827; May 10.
Light: *See*—
Dome light.
Light filter. B. Long. 2,116,633; May 10.
Light ray deflector. P. F. Little. 2,116,524; May 10.
Lighter and cigarette container, Combined pyrophoric. L. V. Aronson. 2,116,963; May 10.
Lighter, Automatic oven. P. I. Hollman and S. H. Hobson. 2,116,830; May 10.
Lighting fixture, Electric. J. Markel and D. L. Ripley. 2,117,188; May 10.
Link, Repair. B. E. Barnes. 2,116,875; May 10.
Links from V-belting from sheet material, Method of and apparatus for manufacturing. P. T. Evans. 2,117,057; May 10.
Liquids, Aerating. L. Roush and C. Riedel. 2,116,541; May 10.
Liquids, Device for metering. R. S. Bassett. 2,116,592; May 10.
Lock: *See*—
Automobile door lock. Knob lock.
Beam lock.
Lubricant and making the same. H. T. Bennett and C. Prather. 2,117,076; May 10.
Lubricating apparatus. V. G. Klein. 2,116,760; May 10.
Luminescent tube. C. P. Boucher. 2,117,054; May 10.
Luminous tube sign. A. C. Deans. 2,116,721; May 10.
Oven construction. T. E. Dadson. 2,116,669; May 10.
P-amino-benzene-sulphonamides and producing them, Substituted. E. H. Stuart. 2,117,260; May 10.
Package. L. Adler. 2,116,652; May 10.
Package and package implement. R. W. Harris. 2,117,162; May 10.
Packaging machine. F. E. Bickford. 2,116,995; May 10.
Packaging machine. S. R. Howard. 2,116,895; May 10.
Packaging machine. M. J. Milmoe. 2,116,607; May 10.
Packing stabber. J. M. Clevenger. 2,117,149; May 10.
Padlock construction. A. Schoorel and H. F. Keil. 2,116,965; May 10.
Paint striper, Automatic. K. V. Eklov. 2,117,023; May 10.
Pan set construction, Baking. J. Kollman. 2,116,975; May 10.
Paper and making the same, Moistureproof coated. B. C. Miller. 2,117,199; May 10.
Paper, Coated. B. C. Miller. 2,117,200; May 10.
Paper making machine. H. L. Kutter. 2,116,763; May 10.
Paper manufacture. H. R. Rafton. 2,117,256; May 10.
Paper, Sizing. B. W. Rowland. 2,116,768; May 10.
Paper stock deinking method. T. Earle. 2,116,511; May 10.
Paper towel dispenser. E. Jacobsen. 2,116,792; May 10.
Paper, Wrapping. G. J. Brabender. 2,117,237; May 10.
Papers, Enhancing the wet-strength of. M. O. Schur. 2,116,544; May 10.
Pen, Fountain. E. K. Werner. 2,116,919; May 10.
Pictures, Making composite. W. V. Draper and F. W. Young. 2,116,826; May 10.
Pilot control, Air flow. M. C. Richardson. 2,116,912; May 10.
Pin spotting mechanism. J. F. Murphy. 2,117,204; May 10.
Pipe: *See*—
Smoking pipe.
Pipe coupling, Tank flanged. C. H. Bills. 2,117,111; May 10.
Pipe fixing. F. J. T. Barnes. 2,116,957; May 10.
Pipe joint. P. Crosti. 2,117,152; May 10.
Pipe joint. F. Marx and O. Möglich. 2,116,705; May 10.
Pitch propeller, Variable. B. Jablonsky. 2,117,062; May 10.
Plaster for the production of surgical casts. J. Piccard. 2,116,910; May 10.
Plow, Snow. S. B. Hitchens. 2,116,945; May 10.
Plug: *See*—
Hydrometer barrel plug. Sparking plug.
Pole, Ski. H. O. Potter. 2,117,010; May 10.
Preparation of antirachitic substances. N. A. Milas. 2,117,100; May 10.
Preselective apparatus for gear changing. G. Chassereau. 2,116,616; May 10.



Prewound casting reel. L. S. Brown and J. P. Dolce. 2,116,959; May 10.
Machine and method for making knitted fabric. A. E. and F. R. Page. 2,117,206; May 10.
Machine for breaking and decorticating bast fibers. D. E. De Lape. 2,116,997; May 10.
Machine for grinding cylindrical and external surfaces. A. Bleasdale. 2,116,922; May 10.
Machine for making box blanks. K. Sieg. 2,117,220; May 10.
Machine for making decorative material. E. M. Ilsemann. 2,116,577; May 10.
Machine for making fabrics. V. Chartener. 2,116,780; May 10.
Machine for trimming electrotype or stereotype plates. I. T. Nelson and R. Jack. 2,117,007; May 10.
Magnet holding device, Releasable permanent. M. Baermann, Jr. 2,117,132; May 10.
Make-up box. S. Lieberman. 2,117,097; May 10.
Manifolding attachment. J. Q. Sherman and A. W. Metsner. 2,116,545; May 10.
Massage and shampoo device. A. Fehrenbach. 2,116,864; May 10.
Material and making same, Porous. L. P. G. Vautier and C. Carnot. 2,116,611; May 10.
Material distributor and spreader. F. E. Arndt. 2,116,503-4; May 10.
Material, Ornamental. B. J. Cohon. 2,117,240; May 10.
Material, Preparing laminated. G. R. Ensminger. 2,117,085; May 10.
Material, Transferring loose bulk. L. F. Holly. 2,116,603; May 10.
Materials, Apparatus for revivifying spent decolorizing. C. G. Koeppl. 2,116,976; May 10.
Materials, Cellulose composition. R. H. McKee. 2,116,536; May 10.
Maul. A. Irwin. 2,117,095; May 10.
Meat, Appliance for treating. J. O. Bullard and N. B. Fouch. 2,116,614; May 10.
Medicinal preparation of diuretic effect and its preparation. E. Wolf. 2,116,872; May 10.
Mercaptothiazoles, Manufacture of. C. H. Smith and C. W. Gay. 2,117,120; May 10.
Metal, Apparatus for casting. G. W. Hasey. 2,117,114; May 10.
Metal article, Mechanically working. G. Singer. 2,116,954; May 10.
Metal container. A. L. Kronquest. 2,117,180; May 10.
Metal threading apparatus. E. J. Protin. 2,116,639; May 10.
Metal to a fabric piece of a necktie, Apparatus for securing a strip of. C. W. Nyström. 2,116,952; May 10.
Metals, Production of solder and terne. A. Hanak. 2,116,891; May 10.
Metallurgical furnace. L. G. Jenness. 2,116,725; May 10.
Metalworking machine. A. E. Drissner. 2,116,565; May 10.
Meter: *See*—
Exposure meter. Repeating meter.
Meter. E. H. Brayer. 2,116,777; May 10.
Metering apparatus. E. H. Brayer. 2,116,778; May 10.
Metering valve. D. Lewis. 2,117,182; May 10.
Microscope. G. B. Gallasch and H. F. Kurtz. 2,117,161; May 10.
Milk, Mechanism for receiving and dumping. I. H. Kendall. 2,116,865; May 10.
Mixing apparatus. R. J. Stewart. 2,117,226; May 10.
Mixing valve. R. H. Zinkil and E. A. Fredrickson. 2,116,806; May 10.
Model. P. Copeland and L. L. Greneker. 2,117,081; May 10.
Modulating system. R. S. Caruthers. 2,116,559; May 10.
Mold for shoe counter. L. F. Exley. 2,116,940; May 10.
Mold growth, Stimulation of. W. S. Hinegardner. 2,116,517; May 10.
Molding machine. J. L. Fairrie. 2,117,156; May 10.
Motor: *See*—
Internal combustion motor.
Motor for rewinding clocks or like apparatus, Themal. J. L. Reutter. 2,117,211; May 10.
Motor-rail vehicle. M. A. Luce. 2,116,525; May 10.
Mounting for drillers, Sheave. J. A. Elmes. 2,117,084; May 10.
Muffler, air preheater and exhaust handling system, Combined. P. T. Stubbs. 2,116,718; May 10.
Multi-image sign. W. E. MacLaren. 2,117,186-7; May 10.
Navigation apparatus. E. L. Grant. 2,116,625; May 10.
Neckties, Device for turning. N. Gold. 2,116,569; May 10.
Needle, Hand knitting. O. Burger. 2,117,143; May 10.
Nozzle, Fog. T. R. Day. 2,116,879; May 10.
Nozzle, Needle. G. W. Barber. 2,116,591; May 10.
Nozzle, Spray and jet. C. F. Dinley. 2,116,863; May 10.
Oar and oarlock, Combined. J. L. Musante. 2,117,069; May 10.
Oats cereal flakes, Making rolled. D. Lyons. 2,116,634; May 10.
Odometer. R. O. Helgeby and H. H. Herada. 2,117,024; May 10.
Oil burner, Conversion. R. H. Nelson. 2,117,006; May 10.
Oil burner, Domestic heavy. T. L. May. 2,117,190; May 10.
Oil burning system, Expanding flame. L. D. Cotea. 2,117,021; May 10.
Oil extracting apparatus, Continuous. P. J. W. Engler. 2,117,113; May 10.
Oil from spent bleaching clay, Recovery of. E. M. Slocum. 2,117,223; May 10.
Oil treatment, Hydrocarbon. O. L. Roberts. 2,116,540; May 10.
Oils, Manufacturing hydrocarbon. F. E. Frey and H. J. Hepp. 2,116,723; May 10.
Ophthalmic mounting. S. E. Bouchard. 2,117,139; May 10.
Optical instrument. E. S. Bissell. 2,117,134; May 10.
Oscillator. O. M. Owsley. 2,117,101; May 10.
Oscillator, Adjustable ultra high frequency. G. L. Grundmann. 2,117,090; May 10.
Oscillator and multiplier, Electronic. R. R. Goodrich, 2nd. 2,117,089; May 10.
Press: *See*—
Glass press Sole press.
Printing press.
Pressure gauge. O. W. Heise. 2,116,628; May 10.
Priming composition. G. C. Hale and W. H. Rinkenbach. 2,116,514; May 10.
Printing frame. E. L. Anderson. 2,117,051; May 10.
Printing press. W. P. Shomaker. 2,116,609; May 10.
Propeller. E. W. Austin. 2,116,818; May 10.
Protective system. J. W. McNairy. 2,117,196; May 10.
Protective collar, Auxiliary. N. V. Nicolet. 2,116,685; May 10.
Pulverizing system. M. Frisch. 2,116,601; May 10.
Pump: *See*—
Centrifugal pump.
Pump. P. G. MacGregor. 2,116,684; May 10.
Pump valve. E. R. Casner. 2,116,968; May 10.
Radio beacon and blind landing system. H. Chireix. 2,116,667; May 10.
Radio receiving apparatus. T. Sorenson. 2,117,043; May 10.
Radio receiving system. E. H. Armstrong. 2,116,501-2; May 10.
Radio receiving system. J. D. Reid. 2,116,713; May 10.
Radius bar. E. A. Walcher and W. H. Baselt. 2,116,809; May 10.
Rail anchor and tie plate. H. A. Cook. 2,117,150; May 10.
Range, Gas. J. B. Friedman. 2,116,885; May 10.
Range, Gas. A. Stockstrom. 2,117,227; May 10.
Razor, Safety. W. H. Black. 2,117,136; May 10.
Receptacle with picture display. W. F. Bowen. 2,117,140; May 10.
Record, Phonograph. H. F. Stose. 2,116,986; May 10.
Recorder. A. L. Sprecker. 2,116,664; May 10.
Rectifiers, Manufacturing contact. E. A. Harty. 2,117,164; May 10.
Reducing furnace. H. B. Bardue. 2,116,554; May 10.
Reeding apparatus used in textile manufactures. G. B. Phillips. 2,116,766; May 10.
Reel: *See*—
Fishing rod reel. Prewound casting reel.
Reflecting incandescent lamp. C. R. Rook. 2,117,039; May 10.
Refrigerating apparatus. L. M. Keighley. 2,116,974; May 10.
Refrigerating apparatus. G. C. Pearce. 2,116,909; May 10.
Refrigerating apparatus. E. F. Schweller. 2,116,914; May 10.
Refrigerating system for ice cream freezers. J. T. Smith. 2,117,119; May 10.
Refrigeration. C. T. Ashby. 2,116,999; May 10.
Refrigeration. B. K. G. Ehnbom. 2,116,998; May 10.
Refrigeration control apparatus. P. F. Shivers. 2,116,802; May 10.
Refrigeration system. P. F. Shivers. 2,116,801; May 10.
Refrigerator case. C. A. Spoerl. 2,116,803; May 10.
Refrigerator construction. P. Crosley, Jr., and R. H. Money. 2,116,619; May 10.
Register, accounting, and the like machines, Cash. E. Breitling. 2,116,779; May 10.
Register, Liquor dispenser. L. P. Barlow. 2,116,966; May 10.
Regulating means for steam generating plants. K. Toensfeldt. 2,116,587; May 10.
Regulator: *See*—
Voltage regulator.
Reinforcement for plastic material. L. W. Cross. 2,116,668; May 10.
Remote control mechanism. E. H. White. 2,117,048; May 10.
Repeating meter. C. P. Griffith. 2,116,785; May 10.
Resilient support. C. E. Workman. 2,117,264; May 10.
Resins and making same. R. Priester. 2,117,255; May 10.
Resins and making same, Mixed polyvinyl. H. W. Matheson and G. O. Morrison. 2,116,635; May 10.
Resins and preparation of same, Synthetic. J. Hyman. 2,116,499; May 10.
Rheostat. C. R. Schenk. 2,117,257; May 10.
Rim, Tire. W. S. Brink. 2,117,238; May 10.

Ring binders, Manufacture of. P. A. Eramo. 2,117,242; May 10.
Ring ensemble, Finger. R. B. and N. Keehnel. 2,117,176; May 10.
Road and rail vehicle, Combined. C. Gross. 2,116,786; May 10.
Road and rail vehicle, Combined. S. M. Nampa. 2,116,797; May 10.
Roll and cylinder mold and making same, Dandy. P. S. Sinclair. 2,117,217; May 10.
Roll and cylinder mold and making same, Dandy. P. S. Sinclair. 2,117,222; May 10.
Rotary switch, Butt contact. H. E. Metcalf. 2,116,842; May 10.
Rounding machine and knife therefor. H. A. Hawkes. 2,116,680; May 10.
Rubber and the like, Manufacture of. P. Schidrowitz and J. W. Malden. 2,117,258; May 10.
Rubber vulcanization. L. Meuser. 2,116,978; May 10.
Ruler, adjustable curved. A. G. Danielson. 2,116,563; May 10.
Saddle, Riding stock. C. D. Smith. 2,116,585; May 10.
Safety device for motor vehicles. H. Karl. 2,116,604; May 10.
Saw blade, Inserted tooth. R. C. Charlton. 2,117,147; May 10.
Scraper for pipe type chillers, Spiral. R. E. Kaster. 2,117,175; May 10.
Scraper for strip metal stock, Automatic. F. H. Naish. 2,116,980; May 10.
Screen for automobile radiators. B. Wengard. 2,116,857; May 10.
Screw driver. G. P. Blackburn. 2,116,775; May 10.
Script timing device. R. J. Colin. 2,116,507; May 10.
Seam-wire and making wire-cloth seams. N. W. Webb. 2,116,812; May 10.
Selector apparatus. Y. Watanabe. 2,116,990; May 10.
Self locking cable hook. H. D. Dee. 2,116,880; May 10.
Semisolids, Apparatus for cutting. C. L. Peck. 2,116,845; May 10.
Separation process, Gravity electrostatic. R. H. Bedford. 2,116,613; May 10.
Separator. J. O. Carrey. 2,116,595; May 10.
Sewing machine. C. S. Thompson, F. A. Kucera, and A. S. Riviere. 2,116,987; May 10.
Sewing machine safety device. H. Gunther. 2,116,880; May 10.
Shaft for golf clubs and the like. L. A. Young. 2,117,129; May 10.
Sharpener, Safety razor. E. Muelberger, Jr. 2,116,582; May 10.
Shears. J. Soss. 2,117,224; May 10.
Shell, Shot. J. M. Olin. 2,116,843; May 10.
Shelving. M. R. Yarger. 2,117,127; May 10.
Shingle. K. S. Guiterman. 2,117,092; May 10.
Shingle. H. B. Hutten. 2,117,094; May 10.
Shoe. P. H. Dixon. 2,116,621; May 10.
Shoe and boot making machine. J. A. Bata. 2,116,819; May 10.
Shoe, Cushion sole. H. G. Lumbard. 2,117,183; May 10.
Shoe stretcher. J. Ventola. 2,116,917; May 10.
Sign: *See*—
Luminous tube sign. Multi-image sign.
Signal: *See*—
Automatic hand signal.
Signboard mold frame. G. D. Overholtz. 2,116,844; May 10.
Silencer construction. F. E. Deremer. 2,116,751; May 10.
Skid, Leveling. J. H. Kennedy. 2,117,026; May 10.
Skylight, Double glazed. G. H. Lenke. 2,116,838; May 10.
Slack adjuster. T. James, Jr. 2,117,250; May 10.
Smoking pipe. H. C. McClune. 2,116,951; May 10.
Smoking stand. E. Schultz. 2,116,646; May 10.
Snap action mechanism. H. Kelly. 2,116,605; May 10.
Snap switch. G. A. Johnson. 2,117,172; May 10.
Soldering iron. V. I. Cruser. 2,116,562; May 10.
Sole press. W. C. Card, Jr. 2,116,967; May 10.
Sound recording, Method and apparatus for. N. H. Brock. 2,116,747; May 10.
Sound recording system. H. J. Round, F. P. Swann, and F. A. Round. 2,117,214; May 10.
Sparking plug. G. Ruthardt. 2,117,216; May 10.
Spindle for film magazines, Spool. R. C. Stevens. 2,116,735; May 10.
Spray device for household and laundry purposes. H. P. Jenks. 2,116,833; May 10.
Spring assembly. D. I. Levine. 2,116,796; May 10.
Spring assembly means. G. F. Miller and R. W. Nilsson. 2,116,907; May 10.
Spring washer. R. T. Woodings. 2,116,600; May 10.
Springless self-closing door. J. A. Janson. 2,116,832; May 10.
Squeegee. B. F. Brown. 2,116,877; May 10.
Staging bracket. I. W. Hoy. 2,116,831; May 10.
Stand: *See*—
Smoking stand.
Starch making process. A. E. Staley, Jr. 2,116,610; May 10.
Steam trap. F. R. Dunn. 2,117,056; May 10.
Steering mechanism, Automatic. C. L. Hill. 2,116,629; May 10.
Stencil, Lip. M. L. Helehan. 2,117,061; May 10.
Stitching guide gauge. C. T. Stackpole. 2,116,936; May 10.
Stoker. A. Hutton. 2,116,744; May 10.
Stoker. P. A. Ketchpel. 2,116,578; May 10.
Stoker, Mechanical. J. H. Walter. 2,116,774; May 10.
Stop and drain valve, Compression. J. R. Guildford. 2,116,626; May 10.
Stove or range, Cooking. J. Teller and A. P. Schulz. 2,116,854; May 10.
Strap stretching tool. H. C. Bristoll, R. V. Sanford, and H. C. Doolittle. 2,117,015; May 10.
Strip feeding mechanism. H. M. Stoller. 2,116,586; May 10.
Strip, Molding. E. K. Pilcher. 2,116,846; May 10.
Subtracting device. H. H. Keen. 2,116,661; May 10.
Suction pump. E. C. Horton. 2,116,894; May 10.
Suit hanger. I. Klein. 2,117,178; May 10.
Sunshade for automobiles. J. B. Buell. 2,116,961; May 10.
Supercharger arrangement. C. H. Auger. 2,117,131; May 10.
Support: *See*—
Bathtub support. Flexible engine support.
Flatiron support. Resilient support.
Support for dredging conduits. D. W. Oswalt. 2,117,008; May 10.
Surfaces, Defrosting heat exchanger. W. B. Rorison. 2,117,104; May 10.
Switch: *See*—
Gauge and light switch. Unit type tumbler switch.
Snap switch.
Switch. L. E. Fisher and W. H. Frank. 2,116,673; May 10.
Switch. W. H. Frank and J. A. Messing. 2,116,675; May 10.
Switch cabinet. H. J. L. Frank. 2,116,658; May 10.
Switch construction. H. E. Adams. 2,116,495; May 10.
Switch construction. W. O. Schultz. 2,116,983; May 10.
Switch of the fluid flow type, Electrical. M. Nippold. 2,116,709; May 10.
Switch with manometric control, Electric. C. H. H. Rodanet. 2,117,213; May 10.
Synchronous converter. J. Kalsey. 2,116,899; May 10.
T-lock joint. L. Shelby. 2,116,584; May 10.
Table and tourist case, Portable combination. R. L. Hestes. 2,117,166; May 10.
Table leg, Folding. G. Buechler. 2,117,239; May 10.
Tabulating and accounting machine. J. W. Armbruster. 2,116,653; May 10.
Take-off apparatus for electric welders. A. A. Bernard. 2,117,077; May 10.
Tanks and the like, Apparatus for cleaning. C. Richard and H. M. Ruth. 2,116,935; May 10.
Telegraph printer. R. F. Dirkes, E. R. Wheeler, and V. R. Kimball. 2,117,241; May 10.
Telegraph system. J. O. Carr and A. H. Reiber. 2,116,506; May 10.
Telegraph system. W. J. Zenner. 2,116,549; May 10.
Telegraph tape comparator. A. Bailey and T. A. McCann. 2,117,052; May 10.
Temperature controlling means for railway cars. J. F. Frese. 2,117,243; May 10.
Textile cleaning tool. M. M. Silverman. 2,116,645; May 10.
Thermostat, Electrical. A. J. Kercher. 2,116,836; May 10.
Thermostat switch. G. A. F. Winckler. 2,116,858; May 10.
Tiltable chair. B. Mathsson. 2,117,189; May 10.
Tire cord. W. E. Vecsey. 2,116,937; May 10.
Tire retreading machine. G. R. Ericson and J. H. Klasey. 2,116,512; May 10.
Tongs. A. H. Ackerson. 2,116,651; May 10.
Tool: *See*—
Expansible cutter tool. Textile cleaning tool.
Strap stretching tool.
Tool for manipulating electric lamp bulbs. G. R. Chadsey. 2,117,017; May 10.
Tools, Adjusting means for honing. K. W. Connor and A. Bleasdale. 2,116,925; May 10.
Tooth brush. J. M. Jones. 2,117,174; May 10.
Towel holder. L. M. Moore. 2,117,202; May 10.
Toy. T. J. Bell. 2,117,133; May 10.
Toy. L. A. Steele. 2,116,853; May 10.
Track for vehicles, Endless. A. Kégresse. 2,116,834; May 10.
Traffic controlling apparatus, Railway. H. S. Young. 2,117,128; May 10.
Transmission auxiliary. T. B. Tyler. 2,116,590; May 10.
Transmission control, Electrical. J. R. Fisher and C. C. Mallinckrodt. 2,116,600; May 10.
Transportation means. N. A. Ludington. 2,117,067–8; May 10.
Trap: *See*—
Steam trap.
Trigger mechanism for firearms. T. F. Sanders. 2,117,218; May 10.
Trolley device. E. A. Larsson. 2,117,028; May 10.
Trolley pole tender. E. A. Larsson. 2,117,030; May 10.
Truck. F. E. Bachman. 2,116,964; May 10.
Truck. W. C. Hedgecock. 2,116,789; May 10.
Truck conversion. P. Carlson. 2,116,666; May 10.





Truck loader. D. D. McDermott. 2,116,728; May 10.
Truck, Motor generator. W. J. Oesterlein. 2,117,034; May 10.
Truck, Three piece lateral motion. H. T. Casey. 2,116,496; May 10.
Tube: *See*—
Luminescent tube.
Tube compensator for aerials, Thermionic. G. de Monge. 2,116,606; May 10.
Tube forming machine. A. Haslauer. 2,116,971; May 10.
Tubular members, Casting. D. E. Jones. 2,116,630; May 10.
Tumbler and washer, Combination. A. M. Dinetz. 2,116,753; May 10.
Tunneling system. S. M. Mercier and H. L. Myer. 2,116,905; May 10.
Turbine blade lashing. C. R. Soderberg. 2,117,107; May 10.
Type spacer or the like, Printing. F. J. Lemieux. 2,116,948; May 10.
Typewriter. B. Baumann. 2,117,235; May 10.
Undergarment. S. L. Berger. 2,116,822; May 10.
Unit type tumbler switch. G. A. Johnson. 2,117,171; May 10.
Unloading means for hopper cars. A. J. Thrall. 2,116,807; May 10.
Urea synthesis. H. W. de Ropp. 2,116,881; May 10.
Vacuum relief valve, Pressure. C. J. Schroeder. 2,116,769; May 10.
Valve: *See*—
Metering valve. Stop and drain valve.
Mixing valve. Vacuum relief valve.
Pump valve.
Valve. J. Bellis. 2,116,556; May 10.
Valve control and reversing mechanism. T. Stevenson and C. S. Goby. 2,117,109; May 10.
Valve electrode construction, Thermionic. A. Haslauer. 2,116,788; May 10.
Valve for filling machines. C. W. Burton. 2,116,505; May 10.
Valve operating device, Compensating. R. H. Daisley. 2,116,749; May 10.
Valve seat device. P. Spence. 2,117,044; May 10.
Vault, Burial. D. A. Larkin. 2,116,703; May 10.
Vegetables and fruits, Method and apparatus for freezing. W. M. Zarotschenseff. 2,116,738; May 10.
Vehicle: *See*—
Motor-rail vehicle. Road and rail vehicle.
Vehicle construction, Rear end. C. H. Widman and F. J. Westrope. 2,117,049; May 10.
Vehicle electric power supply system. C. Breer, G. C. Goode, and V. W. Sherman. 2,117,141; May 10.
Vehicle safety means, Motor. R. F. Tellkamp. 2,116,915; May 10.
Vehicle spring suspension. A. F. Hickman. 2,116,516; May 10.
Vehicle wheel. C. L. Eksergian. 2,116,598; May 10.
Ventilator: *See*—
Car ventilator.
Vibrationproof lamp. G. Herzberg. 2,116,575; May 10.
Viscometer. E. H. Payner. 2,116,765; May 10.
Voltage regulator. C. D. Bock. 2,117,138; May 10.
Volume of liquid in a tank, Apparatus for measuring the. J. M. Lynskey. 2,117,185; May 10.
Waffle iron, Electric. K. Ratliff. 2,116,688; May 10.
Wall construction, Building. G. Klicka. 2,116,900; May 10.
Walls and similar forms, Method of and apparatus for the construction of. K. P. Billner. 2,116,557; May 10.
Warning and indicating device for aircraft. F. V. Brown and A. Onwood. 2,116,960; May 10.
Washer: *See*—
Spring washer.
Washing machine. F. A. Conterman. 2,116,695; May 10.
Wastes, Apparatus for drying and destroying municipal. J. Harrington. 2,116,573; May 10.
Water cooling system. E. O. Schjolin. 2,117,040; May 10.
Water softener. A. Gudmundsen. 2,117,091; May 10.
Wave sender and receiver, Compressional. W. Kunze. 2,116,522; May 10.
Wedge, Tool handle. W. A. Sugg. 2,117,229; May 10.
Weft feeder for weaving looms. R. Dewas. 2,116,620; May 10.
Weighing and packaging machine. T. Rapp. 2,116,934; May 10.
Welding apparatus. H. E. Rockefeller and J. M. Halbing. 2,116,870; May 10.
Welding generator. W. J. Oesterlein. 2,117,035; May 10.
Wetting agents useful for alkaline mercerizing solution. F. Münz. 2,116,583; May 10.
Wheel: *See*—
Artillery wheel. Vehicle wheel.
Wheel balancing mechanism. H. Wochner. 2,117,073; May 10.
Wheels and the like, Apparatus for forging and forming steel disk. C. S. Swanson. 2,116,805; May 10.
Window construction. O. C. Caldwell. 2,116,615; May 10.
Window construction. P. Delich. 2,116,781; May 10.
Window construction. O. M. Edwards and R. B. Nelson. 2,116,754; May 10.
Window construction. W. L. Kraemer. 2,116,868; May 10.
Wire connecter. S. N. Buchanan. 2,117,112; May 10.
Woven elastic fabric. A. A. Hodgkins. 2,116,701; May 10.
Wrench. T. M. Henderson. 2,116,743; May 10.
Wringer mechanism. N. L. Etten. 2,116,755; May 10.
Wringer, Safety roll. A. C. McCord. 2,117,193; May 10.
X-ray diaphragm and manufacturing the same, Secondary. C. Niemann. 2,116,637; May 10.
Yarn fabric-package. D. Goldman. 2,116,570; May 10.
Zinc sulphide. A. J. Myhren. 2,117,205; May 10.

# CLASSIFICATION OF PATENTS

## ISSUED MAY 10, 1938

**In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.**

NOTE.—First number—class, second number—subclass, third number—patent number

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215: 2,116,525
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24: 2,116,910
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37: 2,116,536
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108— 7: 2,117,014
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156.5: 2,117,219
16: 2,116,838
17: 2,117,092
109— 1: 2,117,244
110— 15: 2,116,573
45: 2,116,774
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112— 110: 2,116,889
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117— 52: 2,116,937
118— 11: 2,116,543
119— 15.5: 2,116,520
54: 2,116,699
97: 2,116,850
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121— 37: 2,117,225
162: 2,117,109
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122— 448: 2,116,943
480: 2,116,546
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90: 2,116,749
119: 2,116,596
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128— 164: 2,117,202
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131— 10: 2,116,706
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54: 2,116,941
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139— 11: 2,116,780
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146— 3: 2,116,756
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14: Re. 20,719
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156— 17: 2,116,961
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2,117,021
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77: 2,116,691
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99: 2,116,840
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76: 2,117,057
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167— 71: 2,116,872
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170— 159: 2,116,849
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35: 2,116,649
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69: 2,117,052

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11. 4: 2,116,710
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137: 2,117,188
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84. 6: 2,116,581
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36: 2,116,996
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131: 2,116,893
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11: 2,116,765
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312— 58: 2,116,792
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U. S. GOVERNMENT PRINTING OFFICE: 1938

# LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Almay Pharmaceutical Corporation, New York, N. Y. Ointment base. Serial No. 404,343; May 17. Class 6.

Altschul, Julius, Inc., New York, N. Y. Women's and children's shoes. Serial No. 403,711; May 17. Class 39.

Aluminum Seal Company, Arnold, Pa. Caps and closure seals for bottles, etc. Serial No. 403,292; May 17. Class 50.

American Acro Co. (See Hasse, Erich A.)

American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Asphalt, asphalt emulsions, asphalt compositions. Serial No. 404,559; May 17. Class 12.

Anaconda Wire & Cable Company, New York, N. Y. Insulated electrical wire and cable. Serial Nos. 404,508–9; May 17. Class 21.

Anaconda Wire & Cable Company, New York, N. Y. Insulated electrical wire and cable. Serial Nos. 404,511–2; May 17. Class 21.

Aridye Corporation, Fair Lawn, N. J. Textile printing pastes and textile printing colors. Serial No. 404,462; May 17. Class 6.

Atlas Luggage Mfg. Co., Inc., New York, N. Y. Suit cases, wardrobe and steamer trunks, etc. Serial No. 404,285; May 17. Class 3.

Atlas Powder Company, Wilmington, Del. Solutions of cellulose derivatives. Serial No. 390,875; May 17. Class 6.

Auctionite, Inc., Newark, N. J. Games and accessories used in connection with games. Serial No. 404,680; May 17. Class 22.

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Sherry, port, muscatel, claret, etc. Serial No. 403,898; May 17. Class 47.

Aynsley, John, & Sons Ltd., Stoke-on-Trent, England. China tableware. Serial No. 400,151; May 17. Class 30.

Bak-A-Namel, Inc., Los Angeles, Calif. Wall covering materials. Serial No. 397,604; May 17. Class 12.

Bardstown Distillery, Inc., Bourbon Springs, Bardstown, Ky. Whiskey. Serial No. 403,980; May 17. Class 49.

Barg, William, doing business as True Form Corset Company, Philadelphia, Pa. Girdles, brassières, and bandeaux. Serial No. 403,851; May 17. Class 39.

Barge, George H., Jamaica, Long Island, N. Y. Cement. Serial No. 402,111; May 17. Class 5.

Belding Heminway Company, New York, N. Y. Silk, artificial silk and rayon thread. Serial No. 404,109; May 17. Class 43.

Bell & Zoller Coal Company, Chicago, Ill. Coal. Serial No. 400,901; May 17. Class 1.

Berksons Leather Co. Inc., New York, N. Y. Raw leather and cut sole leather. Serial No. 403,299; May 17. Class 1.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. Serial No. 390,261; May 17. Class 42.

Bond Shoe Co., Inc., New York, N. Y. Shoes. Serial No. 403,194; May 17. Class 39.

Borden Company, The, New York, N. Y. Food product made of cheese and edible vegetable oil. Serial No. 401,886; May 17. Class 46.

Bosco Company, New York, N. Y. Periodic program skits for radio stations. Serial No. 404,116; May 17. Class 38.

Breitholtz, Sigrid, New York, N. Y. Hollandaise sauce. Serial No. 398,651; May 17. Class 46.

Brewster Cigar Co., Seattle, Wash. Smoking tobacco, including cigars, etc. Serial No. 396,975; May 17. Class 17.

Bridgewater Woolen Company, Bridgewater, Vt., and New York, N. Y. Woolen fabrics. Serial No. 403,853; May 17. Class 42.

Broome's, Incorporated, Seattle, Wash. Chicken noodles, sauce. Serial No. 360,430; May 17. Class 46.

Butterfield, Fred, & Co., Inc., New York, N. Y. Fabrics. Serial No. 400,167; May 17. Class 42.

Cable Raincoat Company, Boston, Mass. Textile piece goods. Serial No. 404,351; May 17. Class 42.

Candy & Company, Inc., Chicago, Ill. Candle burning lamps and fixtures. Serial No. 399,438; May 17. Class 34.

Carter, H. W., & Sons, Lebanon, N. H. Woolen clothing. Serial No. 403,580; May 17. Class 39.

Casey, William T., Boston, Mass. Cleansing product. Serial No. 404,245; May 17. Class 4.

Chase, J. L., Co., Chicago, Ill. Upholstered chairs. Serial Nos. 404,118–20; May 17. Class 32.

Check Service Corporation, New York, N. Y. Checks. Serial No. 402,363; May 17. Class 37.

Ciliske, Charles H., Chicago, Ill. Preparation for treatment of dandruff, and sore or chapped face and hands. Serial No. 404,204; May 17. Class 6.

Cincinnati Oil Works Co., The, Cincinnati, Ohio. Publications. Serial No. 403,754; May 17. Class 38.

Citro Chemical Company of America, Maywood, N. J. Dusting powder and nursery powder. Serial No. 404,161; May 17. Class 6.

Cline, Winfield E., doing business as Cline Advertising Service, Boise, Idaho. Printing mats, electrotypes, stereotypes, and photoengravings. Serial No. 402,677; May 17. Class 50.

Coates & Co. (Plymouth) Limited, Plymouth, England. Gin. Serial No. 404,601; May 17. Class 49.

Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Automatic pistols. Serial No. 405,015; May 17. Class 9.

Comex Trading Company, Inc., New York, N. Y. Wines. Serial No. 403,718; May 17. Class 47.

Commander-Larabee Milling Company, doing business as Minneapolis Milling Company, Minneapolis, Minn. Wheat germ. Serial No. 404,247; May 17. Class 46.

Consolidated Coal Company, The, St. Louis, Mo. Coal. Serial No. 404,563; May 17. Class 1.

Corson Manufacturing Company, Incorporated, Lockport, N. Y. Blotter tablets. Serial No. 404,033; May 17. Class 37.

Couteaur, Dorothy, New York, N. Y. Outergarments, shoes, stockings, etc. Serial No. 399,648; May 17. Class 39.

Crompton Company, West Warwick, R. I. Corduroy fabrics. Serial No. 404,163; May 17. Class 42.

D & D Corporation, Miami Beach, Fla. Race result predicting device. Serial No. 401,925; May 17. Class 22.

Davis, A. Raymond, doing business as Oilless Shacklube Laboratories, Chicago, Ill. Lubricant. Serial No. 404,750; May 17. Class 15.

Decorative Fabrics Company, Pawtucket, R. I. Piece goods of cotton, silk, etc. Serial No. 404,078; May 17. Class 42.

De-Fi-Al Roofing Co., Inc., Newark, N. J. Protective waterproof liquid coating material. Serial No. 401,770; May 17. Class 16.

Dickinson, Albert, Company, The, Chicago, Ill. Stock feed and poultry feed. Serial No. 403,939; May 17. Class 46.

Dispens-Or Valve Corporation, San Francisco, Calif. Dispensing faucets for attachment to bottles, cans, etc. Serial No. 402,517; May 17. Class 13.

Dunhill, Alfred, of London, Inc., New York, N. Y. Smokers' pipes. Serial No. 399,039; May 17. Class 8.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Synthetic methanol. Serial No. 404,674; May 17. Class 6.

Eagle Electric Mfg. Co. Inc., Brooklyn, N. Y. Electric fuse plugs. Serial No. 400,951; May 17. Class 21.

Eastern Isles Importing Co., Inc., New York, N. Y. Dresses, nightgowns, and pajamas. Serial No. 402,624; May 17. Class 39.

Eastern Isles Importing Co., Inc., The, New York, N. Y. Pajamas, robes, nightgowns, etc. Serial No. 404,036; May 17. Class 39.

Effantab Products, Inc., New Rochelle, N. Y. Effervescent antiseptic chloramine tablets. Serial No. 404,355; May 17. Class 6.

Englad, Karl T. S. E., doing business as Engblads Tapetfabrik, Goteborg, Sweden. Table covers made of paper, shelving covers made of paper, etc. Serial No. 399,831; May 17. Class 37.

Etablissements Rigaud Inc., New York, N. Y. Perfumes, face powder, compacts, etc. Serial No. 403,404; May 17. Class 6.

Faehndrich, William, Inc., New York, N. Y. Cheese. Serial No. 394,030; May 17. Class 46.

Fairchild, E. E., Corporation, Rochester, N. Y. Calendar cards. Serial No. 402,420; May 17. Class 38.

Feldman-Gwirtzman, Inc., New York, N. Y. Coats, suits, and dresses. Serial No. 403,942; May 17. Class 39.

Finkelstein, Samuel, New York, N. Y. Hats. Serial No. 403,310; May 17. Class 39.

Fish, L., Furniture Company, The, Chicago, Ill. Beds, bed springs, studio couches, etc. Serial No. 404,845; May 17. Class 32.

Forst, Jacob, Packing Co. Inc., Kingston, N. Y. Beef, bacon, bologna, frankfurters, and meat loaves. Serial No. 392,859; May 17. Class 46.

Fort Orange Chemical Co., Inc., Albany, N. Y. Cleansing powder for dentures. Serial No. 403,385; May 17. Class 4.

Fox River Paper Company, Appleton, Wis. Bond paper. Serial No. 403,081; May 17. Class 37.

Fox River Paper Company, Appleton, Wis. Bond paper. Serial No. 403,039; May 17. Class 37.

Fries, Julien P., & Sons, Inc., Baltimore, Md. Clock-operated electrical switch. Serial No. 404,473; May 17. Class 21.

Frisbie, E. K., La Jolla, Calif. Canned and preserved foods. Serial No. 390,361; May 17. Class 46.

General Chemical Company, New York, N. Y. Insecticides. Serial No. 404,360; May 17. Class 6.

Globe Knitting Works, Grand Rapids, Mich. Fabric gloves. Serial No. 404,304; May 17. Class 39.

# LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Globe Knitting Works, Grand Rapids, Mich. Gloves. Serial No. 404,307; May 17. Class 39.
Goldberg & Van Praag, New York, N. Y. Handkerchiefs. Serial No. 404,043; May 17. Class 39.
Goldsmith Bros., New York, N. Y. Rubber bands. Serial No. 402,859; May 17. Class 37.
Haddad, Bebe L., doing business as The Wyp-A-Way Soap Co., Cleveland, Ohio. Soap. Serial No. 394,663; May 17. Class 4.
Hasse, Erich A., doing business as American Acro Co., West Reading, Pa. Exercising wheels. Serial No. 404,804; May 17. Class 22.
Hat Corporation of America, Norwalk, Conn. Hats. Serial No. 404,002; May 17. Class 39.
Heirloom Needlework Guild, Inc., New York, N. Y. Piece goods. Serial No. 404,522; May 17. Class 42.
Honolulu Sake Brewery & Ice Company, Limited, Honolulu, Hawaii. Malt beverage. Serial No. 362,115; May 17. Class 48.
Hudson Steel & Tube Corp., New York, N. Y. Bicycle electric lamps and electric generators. Serial No. 402,431; May 17. Class 21.
Hunt Brothers Packing Co., San Francisco, Calif. Canned fruits. Serial No. 398,903; May 17. Class 46.
Ideal Novelty & Toy Company, Long Island City, N. Y. Dolls. Serial No. 405,072; May 17. Class 22.
Ideal Publishing Corporation, New York, N. Y. Periodical. Serial No. 403,138; May 17. Class 38.
Imperishable Art Company, The. (See Waldron, Sheldon H.)
Jordan Marsh Company, Boston, Mass. Shoes. Serial Nos. 403,688-9; May 17. Class 39.
Julian and Kokenge Co., The, Columbus, Ohio. Shoes. Serial No. 400,647; May 17. Class 39.
Karpen, S., & Sons, Chicago, Ill. Upholstered furniture. Serial No. 404,717; May 17. Class 32.
Kearney, James R., Corporation, St. Louis, Mo. Electric line equipment. Serial No. 390,368; May 17. Class 21.
Kearney, James R., Corporation, St. Louis, Mo. Electrical surge arresters and parts thereof. Serial No. 397,580; May 17. Class 21.
Keasbey & Mattison Company, Ambler, Pa. Magnesia carbonate. Serial No. 404,410; May 17. Class 6.
Kemi-Kulture Products Co. (See Maeder, Martin H.)
Kenis-Gordon & Zimmerman, Inc., New York, N. Y. Neckties, mufflers, and belts. Serial No. 402,978; May 17. Class 39.
Kenlit Mfg. Co., Medford, Mass. Crib, basket, and bassinette linings, mattresses, and cushions for infants' chairs. Serial No. 403,654; May 17. Class 32.
Kensington, Incorporated, New Kensington, Pa. Ornamental bowls, dishes, jars, etc. Serial No. 403,316; May 17. Class 2.
Kieser Coal Company, The, Cleveland, Ohio. Coal. Serial No. 403,568; May 17. Class 1.
Kilgore Development Corporation, Washington, D. C. Insecticide and insectifuge. Serial No. 404,444; May 17. Class 6.
Kwik Products Company, San Antonio, Tex. Metal and silver polish. Serial No. 352,586; May 17. Class 4.
Landrin, Albert, Paris, France. Liquid with an ephedrine base for treatment of colds, etc. Serial No. 403,510; May 17. Class 6.
Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Laxative preparations, sarsaparilla, witch hazel extract, etc. Serial No. 404,611; May 17. Class 6.
Larus & Brother Company, Richmond, Va. Pipes. Serial No. 403,668; May 17. Class 8.
Le Baron, E. L., Foundry Company, Brockton, Mass. Cast iron fireplace dampers. Serial No. 403,009; May 17. Class 34.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 401,312; May 17. Class 46.
Macy, George E., Chicago, Ill. Tethered ball games. Serial No. 403,417; May 17. Class 22.
Maeder, Martin H., doing business as Kemi-Kulture Products Co., Los Angeles, Calif. Chemicals. Serial No. 403,319; May 17. Class 10.
Matheny, H. E., Charleston, W. Va. Preparation for treating athlete's foot and ring worm. Serial No. 402,405; May 17. Class 6.
McNeil Drug Company, doing business as McNeil Drug Co. (Inc.), Jacksonville, Fla. Liniment. Serial No. 404,131; May 17. Class 6.
McNeil Drug Company, doing business as McNeil Drug Co. Inc., Jacksonville, Fla. Pills. Serial No. 404,576; May 17. Class 6.
Merck & Co. Inc., Rahway, N. J. Human and veterinary medicines used in bacterial infections. Serial No. 400,606; May 17. Class 6.
Meredith Publishing Company, Des Moines, Iowa. Magazine section. Serial No. 401,266; May 17. Class 38.
Meredith Publishing Company, Des Moines, Iowa. Magazine section. Serial No. 403,156; May 17. Class 38.
Metallgesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany. Synthetic paint enamels. Serial No. 401,904; May 17. Class 16.
Minneapolis Milling Company. (See Commander-Larabee Milling Company.)
Moore, E. R., Company, Chicago, Ill. Gymnasium suits, sport bloomers, college caps, etc. Serial No. 398,118; May 17. Class 39.
Nation Wide Papers, Inc., Chicago, Ill. Writing paper, printing paper, bond paper, etc. Serial No. 390,317; May 17. Class 37.
Nation Wide Papers, Inc., Chicago, Ill. Manifold paper. Serial No. 403,090; May 17. Class 37.
National Cellulose Corporation, New York, N. Y. Paper handkerchiefs. Serial No. 397,342; May 17. Class 37.
New Hampshire Diatomite Company, Portsmouth, N. H. Diatomaceous earth products. Serial No. 404,448; May 17. Class 4.
Norcross, New York, N. Y. Dolls. Serial No. 405,079; May 17. Class 22.
Ohayon, Harry, New York, N. Y. Perfume. Serial No. 392,765; May 17. Class 6.
Olless Shacklube Laboratories. (See Davis, A. Raymond.)
Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass. Silverplated flatware. Serial No. 401,349; May 17. Class 28.
Oaten, Alfred A., doing business as Rat Lunches Company, Carroll, Iowa. Vermin exterminator for rats and mice. Serial No. 403,825; May 17. Class 6.
Owens-Illinois Glass Company, Toledo, Ohio. Nursery sets. Serial No. 400,022; May 17. Class 2.
Parker Brothers Inc., Portland, Maine, and Salem, Mass. Board game. Serial No. 399,565; May 17. Class 22.
Parks-Cramer Company, Fitchburg, Mass. Self-cleaning atomizing humidifiers. Serial No. 399,200; May 17. Class 34.
Pennsylvania Rubber Company, Jeannette, Pa. Pneumatic vehicle tires. Serial No. 404,818; May 17. Class 35.
Phoenix Trimming Company, Chicago, Ill. Curtains, drapes, trimmings, etc. Serial No. 404,723; May 17. Class 42.
Photo Marketing Corporation, New York, N. Y. Enlargers, projectors, and viewers. Serial No. 404,323; May 17. Class 26.
Photo Utilities, Inc., New York, N. Y. Exposure meters. Serial No. 404,324; May 17. Class 26.
Pinaud Incorporated, New York, N. Y. Eye make up product. Serial No. 403,222; May 17. Class 6.
Pinaud, John, Atlantic Highlands, N. J. Rubber heels. Serial No. 404,283; May 17. Class 39.
Pioneer Gen-E-Motor Corporation, Chicago, Ill. Generators, electric motors, dynamometers, etc. Serial No. 404,484; May 17. Class 21.
Platten Brothers, Green Bay, Wis. Whiskey. Serial No. 403,350; May 17. Class 49.
Princess Junior, Inc., New York, N. Y. Dresses. Serial No. 401,120; May 17. Class 39.
Ranney, William G., Pittsburgh, Pa. Toys. Serial No. 390,669; May 17. Class 22.
Rat Lunches Company. (See Oaten, Alfred A.)
Remington Arms Company, Inc., Bridgeport, Conn. Firearms. Serial No. 405,037; May 17. Class 9.
Riverbank Canning Company, Riverbank, Calif. Prepared food products. Serial No. 393,129; May 17. Class 46.
Rosalind Underwear Co., Inc., New York, N. Y. Women's undergarments. Serial No. 401,401; May 17. Class 39.
San Gabriel Vineyard Company, San Gabriel, Calif. Wines. Serial No. 402,103; May 17. Class 47.
Sea Bird Linens, Inc., New York, N. Y. Table cloths, napkins, towels, etc. Serial No. 403,425; May 17. Class 42.
Sears, Roebuck and Co., Chicago, Ill. Lubricating oil. Serial No. 404,493; May 17. Class 15.
Security Engineering Co. Inc., Whittier, Calif. Oil and gas well drilling, cementing, and production equipment. Serial No. 402,076; May 17. Class 23.
Sheprow, William J., Garden City, Long Island, N. Y. Card games. Serial No. 404,727; May 17. Class 22.
Smith, Clayton L., Arlington, N. J. Used automobiles. Serial No. 403,738; May 17. Class 19.
Smith, C. Nelson, Co. Inc., West Allis, Wis. Preparation used as an antiseptic douche for cows, for treatment of scours in calves, etc. Serial No. 403,565; May 17. Class 6.
Smith, James A., Philadelphia, Pa. Soap. Serial No. 404,587; May 17. Class 4.
"Sodeco" Société des Compteurs de Genève, Geneva, Switzerland. Register for use in conjunction with an individual telephone for recording the taxes when operating said telephone. Serial No. 396,206; May 17. Class 26.
Soft-Lite Lens Company, Inc., New York, N. Y. Ophthalmic lenses. Serial No. 402,541; May 17. Class 26.
Stein, A., & Company, Chicago, Ill. Garters, suspenders, arm bands, and belts. Serial No. 403,429; May 17. Class 39.
Stein, S., & Co., New York, N. Y. Woolen goods. Serial No. 403,790; May 17. Class 42.
Stetson, John B., Company, Philadelphia, Pa. Women's hats. Serial No. 383,107; May 17. Class 39.
Susquehanna Waist Company, Philadelphia, Pa. Ladies' blouses. Serial No. 404,065; May 17. Class 39.



LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Taylor, Benj. F., doing business as Taylor Beverage Company, Tarboro, N. C. Maltless beverages, and syrups, extracts, and flavors for same. Serial No. 404,458; May 17. Class 45.
Thurston Cutting Corporation, New York, N. Y. Piece goods of cotton, cotton mixture, wool, and rayon. Serial No. 394,781; May 17. Class 42.
Togstad, C. L., Company, The, Kokomo, Ind. Cosmetics. Serial No. 403,880; May 17. Class 6.
Toy Creations, Inc., Jersey City, N. J. Dolls. Serial No. 400,539; May 17. Class 22.
True Form Corset Company. (See Barg, William.)
Typhoon Manufacturing Company, Inc., Medford, Md. Superchargers. Serial No. 404,336; May 17. Class 23.
Upland Products Company, Winona, Minn. Lubricating oils. Serial No. 403,483; May 17. Class 15.
Va. Len. Ju, Inc., Chicago, Ill. Orange base concentrate. Serial No. 403,340; May 17. Class 45.
Vinnedge Company, Inc., The, Fort Worth, Tex. Coffee. Serial No. 403,804; May 17. Class 46.
Virginia Carolina Chemical Corporation, Richmond, Va. Fertilizers. Serial No. 403,805; May 17. Class 10.
Vitamol, Inc., New York, N. Y. Composition incorporating molasses and vitamins for animal food, and as a supplement in animal food mixtures. Serial Nos. 403,341-2; May 17. Class 46.
Waldron, Sheldon H., doing business as The Imperishable Art Company, Taunton, Mass. Pictures and portraits on metal. Serial No. 400,739; May 17. Class 50.
Weinstat, Samuel, New York, N. Y. Ladies', misses', and children's shoes. Serial No. 403,484; May 17. Class 39.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vegetable bins for refrigerators. Serial No. 403,882; May 17. Class 2.
Williams, Thomas, Charleston, W. Va. Golf games. Serial No. 390,690; May 17. Class 22.
Wilson, Andrew, Inc., Springfield, N. J. Insecticide and fungicide. Serial No. 401,842; May 17. Class 6.
Wilson, Paul C., Richmond, Va. Directories. Serial No. 402,391; May 17. Class 38.
Wisconsin Accredited Cheese Factories, Inc., De Pere, Wis. Cheese. Serial No. 402,149; May 17. Class 46.
Wyp-A-Way Soap Co. (See Haddad, Bebe L.)

# LIST OF REGISTRANTS OF TRADE-MARKS

Advance Aluminum Castings Corp., Chicago, Ill. Castings. 356,869; May 17; Serial No. 378,845; published Mar. 1, 1938. Class 14.
American Aluminum Ware Co., Newark, N. J. Aluminum pouring spouts for containers. 356,974; May 17. Class 13.
American Breddo Corporation, New York, N. Y. Rye flour. 356,912; May 17; Serial No. 400,328; published Mar. 8, 1938. Class 46.
American Hair Design Institute, Inc., The, New York, N. Y. Pads used in permanent waving. 356,977; May 17. Class 44.
American Writing Paper Corporation, Holyoke, Mass. Writing and printing paper. 356,967; May 17. Class 37.
Arbouin Marett & Co., S. A., Cognac, France. Brandy. 356,958; May 17; Serial No. 402,048; published Mar. 8, 1938. Class 49.
Arbouin Marett & Co., S. A., Cognac, France. Brandy. 356,959-60; May 17; Serial Nos. 402,050-1; published Mar. 8, 1938. Class 49.
Arbouin Marett & Co., S. A., Cognac, France. Brandy. 356,961; May 17; Serial No. 402,053; published Mar. 8, 1938. Class 49.
Atlas Powder Company, Wilmington, Del. Laundry roll covers. 356,941; May 17; Serial No. 401,521; published Mar. 8, 1938. Class 24.
Autocrat Oil Burner Corporation, Cedar Rapids, Iowa. Oil burners, oil burning furnaces, boiler units, etc. 356,906; May 17; Serial No. 399,338; published Jan. 25, 1938. Class 34.
Automatic Electric Company, Chicago, Ill. Magnetic coil material. 356,949; May 17; Serial No. 401,723; published Mar. 8, 1938. Class 21.
Baltzley, Louis E., Glen Ridge, N. J. Spring steel binder clips. 356,937; May 17; Serial No. 394,771; published Mar. 8, 1938. Class 37.
Banks & Bresel, New York, N. Y. Sole leather. 356,919; May 17; Serial No. 400,718; published Mar. 8, 1938. Class 1.
Banner Auto Seat Cover Co. Inc., Brooklyn, N. Y. Automobile seat covers. 356,988; May 17. Class 19.
Barmon Brothers Company Inc., Buffalo, N. Y. Frocks. 356,916; May 17; Serial No. 400,450; published Feb. 8, 1938. Class 39.
Barrett Company, The, New York, N. Y. Liquid solvent used in dry cleaning. 356,896; May 17; Serial No. 397,171; published Mar. 8, 1938. Class 4.
Barton, William L., Camden, N. J. Board game. 356,901; May 17; Serial No. 398,656; published Mar. 8, 1938. Class 22.
Berry, Ledlie H., Bowdoinham, Maine. Eggs and dressed poultry. 356,956; May 17; Serial No. 401,979; published Mar. 8, 1938. Class 46.
Blair, J. C., Company, Huntington, Pa., assignor to Western Tablet & Stationery Corporation, Dayton, Ohio. Paper and stationery. 123,014; renewed Oct. 8, 1938.
Bond, Charles, Company, Philadelphia, Pa. Beltings, transmission-linings, etc. 123,016; renewed Oct. 8, 1938.
Bryant, Augustus H., New York, N. Y., to International Safety Razor Corp., Bloomfield, N. J., successor. Safety-razors and parts thereof. 120,335; renewed Feb. 5, 1938.
Burd, Samuel I., doing business as Lycoming Hosiery Mills, Williamsport, Pa. Hosiery. 356,978; May 17. Class 39.
Camillus Cutlery Company, Inc., New York, N. Y. Pocket knives, hunting knives, and fishing knives. 356,943; May 17; Serial No. 401,600; published Mar. 8, 1938. Class 23.
Carpenter Paper Co., assignor to Carpenter Paper Company, Omaha, Nebr. Paper drinking cups. 356,947; May 17; Serial No. 401,649; published Mar. 8, 1938. Class 2.
Carr Fastener Company, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap-fasteners. 121,544; renewed May 7, 1938.
Cavendish Trading Corporation, New York, N. Y. Piece goods. 356,921; May 17; Serial No. 400,830; published Mar. 8, 1938. Class 42.
Cavignac, Frank H., Glendale, N. Y. Golf balls. 356,890; May 17; Serial No. 395,471; published Sept. 7, 1937. Class 22.
Clark, Joel B., Buffalo, N. Y. Auxiliary lubricants and addition agents to lubricating oils. 356,897; May 17; Serial No. 397,245; published Nov. 9, 1937. Class 15.
Coffee Products Corporation, New York, N. Y. Coffee syrup for flavoring soft drinks. 356,895; May 17; Serial No. 395,954; published Nov. 9, 1937. Class 45.
Cohen, William, Fabrics Corp., New York, N. Y. Textile fabrics. 356,993; May 17. Class 42.
Columbus Dental Manufacturing Co., The, Columbus, Ohio. Artificial teeth. 356,904; May 17; Serial No. 399,165; published Mar. 8, 1938. Class 44.
Connecticut Macaroni Company. (See Muro, Generoso.)
Cook, Lucius P., doing business as L. P. Cook, Memphis, Tenn. Seed oats. 356,879; May 17; Serial No. 390,265; published June 8, 1937. Class 1.
Davis, Thomas A., doing business as Fresh Orange Juice Company, Dallas, Tex. Fresh fruit juice concentrates. 356,922; May 17; Serial No. 400,949; published Mar. 8, 1938. Class 45.
De Laval Separator Company, The, New York, N. Y. Centrifugal cream separators, centrifugal whey separators, etc. 356,899; May 17; Serial No. 397,963; published Mar. 8, 1938. Class 23.
Diamond Match Company, The, New York, N. Y. Paper napkins. 356,948; May 17; Serial No. 401,667; published Mar. 8, 1938. Class 37.
Dob-Ene Company, doing business as Dobene Sales Co., New York, N. Y. Liquid compound for cleaning ophthalmic lenses, etc. 356,893; May 17; Serial No. 396,389; published Mar. 8, 1938. Class 4.
Eagle Clothes, New York, N. Y. Men's clothing. 356,975; May 17. Class 39.
Eagle-Picher Lead Company, The, Cincinnati, Ohio. Bearing metal. 356,905; May 17; Serial No. 399,178; published Mar. 8, 1938. Class 14.
Elmer & Amend, New York, N. Y. Apparatus for analyzing gases. 356,942; May 17; Serial No. 401,559; published Mar. 8, 1938. Class 26.
Electric Household Utilities Corporation, Chicago, Ill. Protective elements for ironing machines. 356,972; May 17. Class 24.
Electrol Incorporated, Clifton, N. J. Domestic oil burners and air conditioning units. 356,932; May 17; Serial No. 401,181; published Mar. 8, 1938. Class 34.
Electronic Control Corporation, Detroit, Mich. Photo-electric cell operated control devices. 356,892; May 17; Serial No. 395,703; published Mar. 8, 1938. Class 21.
Elliott, B. K., Company, Pittsburgh, Pa. Tracing paper. 356,980-1; May 17. Class 37.
Elliott, B. K., Company, Pittsburgh, Pa. Drawing paper. 356,982; May 17. Class 37.
Elliott, B. K., Company, Pittsburgh, Pa. Blue print paper. 356,983; May 17. Class 37.
Elliott, B. K., Company, Pittsburgh, Pa. Drawing paper. 356,984; May 17. Class 37.
Elliott, B. K., Company, Pittsburgh, Pa. Tracing paper. 356,985; May 17. Class 37.
Elliott, B. K., Company, Pittsburgh, Pa. Blue print cloth. 356,986; May 17. Class 37.

Elliott, B. K., Company, Pittsburgh, Pa. Bristol board and sketching pads. 356,987; May 17. Class 37.
Export Malt Factories Schindler & Stein, Ltd., Brunn, Czechoslovakia. Malt, caramel malt, and color malt. 356,871; May 17; Serial No. 348,653; published Mar. 8, 1938. Class 46.
Fairchild Company, Chicago, Ill. Magazine. 122,961; renewed Oct. 1, 1938.
Farr & Co., New York, N. Y. Sugar. 356,962; May 17; Serial No. 402,059; published Mar. 8, 1938. Class 46.
Ferguson, James B., London, England. Whisky. 356,910; May 17; Serial No. 400,002; published Mar. 8, 1938. Class 49.
First National Exhibitors Circuit, Inc., assignor, by mesne assignments, to Warner Bros. Pictures, Inc., New York, N. Y. Motion-picture films. 122,454; renewed Aug. 20, 1938.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 356,914; May 17; Serial No. 400,408; published Mar. 8, 1938. Class 42.
Foust Distilling Co., Inc., Glen Rock, Pa. Whiskey. 356,939; May 17; Serial No. 401,301; published Mar. 8, 1938. Class 49.
Fresh Orange Juice Company. (See Davis, Thomas A.)
Garnett, Robert B., doing business as Garnett Frostamalt Company, San Angelo, Tex. Frozen malted milk and a canned preparation for making the same. 356,801; May 17; Serial No. 395,574; published Mar. 8, 1938. Class 46.
Gates Rubber Company, The, Denver, Colo. Anti-static gasoline dispensing nozzles. 356,938; May 17; Serial No. 401,256; published Mar. 8, 1938. Class 13.
Geist, Irving, New York, N. Y. Blouses and dresses. 356,992; May 17. Class 39.
Ginsberg, I., Inc. (See Owings Mills Distillery, Inc., assignor.)
Glemby, S., Inc., assignor to The Glemby Company, Inc., New York, N. Y. Hair-nets. 122,698; renewed Sept. 10, 1938.
Goldberger, Eugene, Brooklyn, N. Y. Dolls. 356,866; May 17; Serial No. 364,133; published June 4, 1935. Class 22.
Good Foods, Incorporated, Minneapolis, Minn. Peanut butter with morsels of toasted peanuts added. 356,965; May 17; Serial No. 402,127; published Mar. 8, 1938. Class 46.
Greenbrier Frocks Inc., New York, N. Y. Women's dresses. 356,930; May 17; Serial No. 401,144; published Feb. 22, 1938. Class 39.
Grosjean, C. E., Rice Milling Co., San Francisco, Calif. Rice. 356,946; May 17; Serial No. 401,640; published Mar. 8, 1938. Class 46.
Haft and Company, Ltd., New York, N. Y. Tropical or summer weight textile fabric piece goods. 356,882; May 17; Serial No. 392,533; published Mar. 8, 1938. Class 42.
Hässler, Max, Buenos Aires, Argentina. Tea, coffee, cocoa, etc. 356,883; May 17; Serial No. 392,534; published Mar. 8, 1938. Class 46.
Hodossy, Erno, doing business as Spell-O-Graph Co., New York, N. Y. Memorandum books. 356,884; May 17; Serial No. 392,691; published Mar. 8, 1938. Class 37.
Hollywood Vestee Mfg. Co., Los Angeles, Calif. Ladies' reversible vests. 356,971; May 17. Class 39.
Holmes Silk Company, New York, N. Y. Grosgrain fabrics in the piece. 356,935; May 17; Serial No. 401,217; published Mar. 8, 1938. Class 42.
Independent Merchandising Corp., New York, N. Y. Shirts. 356,973; May 17. Class 39.
International Looms, Inc., New York, N. Y. Carpets, rugs, and upholstery piece goods. 356,928; May 17; Serial No. 401,059; published Mar. 8, 1938. Class 42.
International Looms, Inc., New York, N. Y. Carpets, rugs, and upholstery piece goods. 356,929; May 17; Serial No. 401,061; published Mar. 8, 1938. Class 42.
International Safety Razor Corp. (See Bryant, Augustus H.)
Johnson Oil Refining Company, Chicago, Ill. Gasoline. 356,907; May 17; Serial No. 399,837; published Feb. 22, 1938. Class 15.
Justerini & Brooks Limited, doing business as Justerini & Brooks, London, England. Whiskey, gin, brandy, etc. 356,957; May 17; Serial No. 402,006; published Mar. 8, 1938. Class 49.
Kactus Oil Products Company, Denver, Colo. Polish. 356,927; May 17; Serial No. 401,025; published Mar. 8, 1938. Class 16.
Keystone Steel & Wire Company, Peoria, Ill. Low metalloid iron manganese copper alloy. 356,950; May 17; Serial No. 401,743; published Mar. 8, 1938. Class 14.
Kohnstamm, H., & Co. Inc., New York, N. Y. Flavoring extract mixers. 356,885; May 17; Serial No. 393,715; published Oct. 5, 1937. Class 45.
Krueger Beverage Company, Newark, N. J. Root beer. 356,931; May 17; Serial No. 401,157; published Mar. 8, 1938. Class 45.
Lakeland Highlands Cooperative Association, Highland City, Fla. Fresh citrus fruits. 356,964; May 17; Serial No. 402,094; published Mar. 8, 1938. Class 46.
Landbrugsministeriet, Copenhagen, Denmark. Butter. 356,880; May 17; Serial No. 390,373; published Mar. 8, 1938. Class 46.
Lazow, Morris, Brooklyn, N. Y. Individual portions of ice cream. 356,953; May 17; Serial No. 401,821; published Mar. 8, 1938. Class 46.
Le Tourneau, R. G., Inc., Stockton, Calif. Side discharge wagons. 356,969; May 17. Class 19.
Linde Air Products Company, The, New York, N. Y. Welding heads and voltage control units. 356,954; May 17; Serial No. 401,826; published Mar. 8, 1938. Class 21.
Lipman, Herman H., doing business as Lipman Engineering Company, Pittsburgh, Pa. Electrical sound equipment. 356,900; May 17; Serial No. 398,207; published Mar. 8, 1938. Class 21.
Liquid Veneer Corporation, Buffalo, N. Y. Lustrous transparent coating. 356,886; May 17; Serial No. 394,236; published Mar. 8, 1938. Class 16.
Lycoming Hosiery Mills. (See Burd, Samuel I.)
Lyon, A., Los Angeles, Calif. Bourbon whiskey. 356,878; May 17; Serial No. 389,689; published Nov. 16, 1937. Class 49.
Mack, M. J., Corp., New York, N. Y. Neckwear tie linings. 356,898; May 17; Serial No. 397,255; published Mar. 8, 1938. Class 42.
MacWhyte Company, Kenosha, Wis. Cable. 356,888; May 17; Serial No. 394,904; published Mar. 8, 1938. Class 7.
Macy, R. H., & Co., Inc., New York, N. Y. Cotton dresses. 356,976; May 17. Class 39.
Malmquist, Emil K., South Bellingham, Wash. Apple juice sold as a beverage. 356,913; May 17; Serial No. 400,382; published Mar. 8, 1938. Class 45.
Marbon Corporation, Chicago, Ill. Lacquer. 356,873; May 17; Serial No. 385,853; published Mar. 8, 1938. Class 16.
McCrory Stores Corporation, New York, N. Y. Crib sheets, crib pillow cases, and crib blankets. 356,908; May 17; Serial No. 399,846; published Mar. 8, 1938. Class 42.
Merla Tool Company, Dallas, Tex. Oil well tools. 356,902; May 17; Serial No. 398,915; published Mar. 8, 1938. Class 23.
Michenberg, David, New York, N. Y. Dresses, blouses, culottes, etc. 356,918; May 17; Serial No. 400,518; published Feb. 15, 1938. Class 39.
Muro, Generoso, doing business as Connecticut Macaroni Company, New Haven, Conn. Alimentary paste products. 356,966; May 17; Serial No. 402,195; published Mar. 8, 1938. Class 46.
National Enameling and Stamping Company, Milwaukee, Wis. Kitchen sets. 356,903; May 17; Serial No. 399,150; published Mar. 8, 1938. Class 2.
Natural Sugars, Inc., New York, N. Y. Pancake syrup, molasses, and fruit syrups. 356,923; May 17; Serial No. 400,990; published Feb. 8, 1938. Class 46.
Newsom, Palmer & Company, New York, N. Y., assignor to Tea Bureau Incorporated. Beer and ale. 356,911; May 17; Serial No. 400,202; published Feb. 15, 1938. Class 48.
Owings Mills Distillery, Inc., Owings Mills, Md., assignor to I. Ginsberg, Inc., Charleston, S. C. Whiskey. 356,924; May 17; Serial No. 400,994; published Feb. 8, 1938. Class 49.
Packard Milling Company, Custer, Okla. Wheat flour. 356,870; May 17; Serial No. 381,323; published Feb. 8, 1938. Class 46.
Paulsboro Manufacturing Company, Paulsboro, N. J. Composition floor coverings of the linoleum type. 356,920; May 17; Serial No. 400,820; published Mar. 8, 1938. Class 20.
Pecora Paint Company, Philadelphia, Pa. Calking compounds. 356,968; May 17. Class 12.
Perryman, Joe, Columbia, Ky. Soap powders. 356,875; May 17; Serial No. 387,474; published Mar. 8, 1938. Class 4.
Pevsner, Nathan, Chicago, Ill. Watches, clocks, alarm clocks, etc. 356,970; May 17. Class 27.
Peyton, Harlan L., Spokane, Wash. Revolving roasting mechanisms. 356,915; May 17; Serial No. 400,436; published Mar. 8, 1938. Class 23.
Pikle-Rite Company. (See Wood, John A.)
Roach, W. R., & Co., Hart, to W. R. Roach & Company, Grand Rapids, Mich. Canned evaporated milk. 122,992; renewed Oct. 1, 1938.
Romanoff Caviar Company, New York, N. Y. Canned lobster. 356,963; May 17; Serial No. 402,071; published Mar. 8, 1938. Class 46.
Rose, L., & Co., Ltd., Bloomfield, N. J. Concentrated fruit juices. 356,874; May 17; Serial No. 386,662; published Mar. 8, 1938. Class 45.
Roslinold Manufacturing Co., East Boston, Mass. Optical lenses, sun glasses, goggles, etc. 356,955; May 17; Serial No. 401,940; published Mar. 8, 1938. Class 26.
S. A. Egidio Galbani, Melzo, Italy. Cheese. 356,936; May 17; Serial No. 401,251; published Mar. 8, 1938. Class 46.
S. A. Egidio Galbani, Melzo, Italy. Cheese. 356,937; May 17; Serial No. 401,253; published Mar. 8, 1938. Class 46.
San Diego Brewing Company, San Diego, Calif. Beer. 356,991; May 17. Class 48.
Schoenecke, Charles, Chicago, Ill. Rheostats. 356,868; May 17; Serial No. 371,319; published Mar. 8, 1938. Class 21.
Schooley, Eugene R., doing business as Schooley and Son, Luzerne, Pa. Dog rations. 356,917; May 17; Serial No. 400,472; published Feb. 15, 1938. Class 46.



Scott-Borden, Inc., Anaheim, Calif. Fresh citrus fruits. 356,894; May 17; Serial No. 396,518; published Feb. 15, 1938. Class 46.
Seward, Adet, Société Anonyme, Bordeaux and Cognac, France. Brandy. 356,934; May 17; Serial No. 401,203; published Mar. 8, 1938. Class 49.
Sheffield Gage Corporation, The, Dayton, Ohio. Gaging and measuring devices. 356,881; May 17; Serial No. 390,675; published Dec. 14, 1937. Class 26.
Smith, Karl, Louisville, Ky. Board game. 356,876; May 17; Serial No. 387,518; published Mar. 8, 1938. Class 22.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Marine fenders. 356,925; May 17; Serial No. 401,000; published Mar. 8, 1938. Class 19.
Spaeth, A., & Company, New York, N. Y. Chocolate candy. 356,979; May 17. Class 46.
Spell-O-Graph Co. (See Hodossy, Erno.)
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Fiberboard cartons. 356,952; May 17; Serial No. 401,796; published Mar. 8, 1938. Class 2.
Standard Oil Company of New Jersey, Wilmington, Del. Lubricating oils and greases. 356,926; May 17; Serial No. 401,001; published Mar. 1, 1938. Class 15.
Standard Oil Company of New Jersey, Wilmington, Del. Lubricating oils and lubricating greases. 356,944; May 17; Serial No. 401,622; published Mar. 1, 1938. Class 15.
Standard Varnish Works, New York, N. Y. Varnishes, stains, enamels, etc. 122,241; renewed July 9, 1938.
Star Oil Company, The, Chicago, Ill. Lubricating oils and greases. 121,963; renewed June 11, 1938.
Star Oil Company, The, Chicago, Ill. Lubricating-oil. 122,288–9; renewed July 16, 1938.
Sterling Brewers, Inc., Evansville, Ind. Ale. 356,940; May 17; Serial No. 401,455; published Mar. 8, 1938. Class 48.
Syn-Flo Concentrate & Syrup Company, Clinton, Ind. Beverage, sirup and extract for making the same. 356,945; May 17; Serial No. 401,624; published Mar. 8, 1938. Class 45.
Tea Bureau Incorporated. (See Newsom, Palmer & Company, assignor.)
Triangle Finishing Corp., Johnstown, N. Y. Weighted piece goods. 356,909; May 17; Serial No. 399,986; published Mar. 8, 1938. Class 42.
U. D. L. (of America), Inc., Baltimore, Md. Whiskey, gin, rum, etc. 356,989; May 17. Class 49.
United-Carr Fastener Corporation. (See Carr Fastener Company, assignor.)
Warner Bros. Pictures, Inc. (See First National Exhibitors Circuit, Inc., assignor.)
Warren Fabrics Co., Inc., New York, N. Y. Piece goods. 356,933; May 17; Serial No. 401,202; published Mar. 8, 1938. Class 42.
Weisner, Emanuel P., Milwaukee, Wis. Toys. 356,889; May 17; Serial No. 395,250; published Mar. 8, 1938. Class 22.
Werts Novelty Company, Incorporated, Muncie, Ind. Games of chance. 356,877; May 17; Serial No. 387,807; published Mar. 8, 1938. Class 22.
Western Tablet & Stationery Corporation. (See Blair, J. C., assignor.)
White, S. S., Dental Manufacturing Company, Philadelphia, Pa., Chicago, Ill., New York and Brooklyn, N. Y., and Boston, Mass., to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Dental goods and materials of all kinds. 15,474; re-renewed May 15, 1938.
Wile, Julius, Sons & Co., Inc., New York, N. Y. Brandy. 356,867; May 17; Serial No. 370,028; published Nov. 12, 1935. Class 49.
Winter & Co., New York, N. Y. Mufflers for pianos, organs, and the like. 356,951; May 17; Serial No. 401,758; published Mar. 8, 1938. Class 36.
Wood, John A., doing business as Pikle-Rite Company, Chicago, Ill. Horse radish, bottled candied sweet midget pickles, etc. 356,990; May 17. Class 46.
Yough Brewing Co., Connellsville, Pa. Beer. 356,872; May 17; Serial No. 385,207; published Mar. 8, 1938. Class 48.

# LIST OF REGISTRANTS OF LABELS

A. M. C. (See Associated Merchandising Corporation.)
Aeroplane Spinner Mfg. Co., Denver, Colo. The Rocky Mountain Colorado Spinner. For Spinners. 51,114; May 17.
Alaska Pacific Salmon Company, Seattle, Wash. Peter Pan. For Salmon. 51,115; May 17.
Associated Authors, Chicago, Ill. Approved by Better Books Guild. For Nature's Messages of Peace. 51,116; May 17.
Associated Merchandising Corporation, doing business as A. M. C., New York, N. Y. Aimcee. For Cotton Sanitary Napkins. 51,117; May 17.
Associated Merchandising Corporation, doing business as A. M. C., New York, N. Y. Aimcee. For Soap Chips. 51,118; May 17.
Atlas Supply Company, Newark, N. J. Atlas Hydrometer. For Battery Hydrometers. 51,119; May 17.
Atlas Tack Corporation, Fairhaven, Mass. Atlas Shaker Box. For Tacks. 51,120; May 17.
Austin, Nichols & Co., Inc., Brooklyn, N. Y. Sunbeam (Whole Grain Kernelkorn). For Fancy Whole Grain Golden Bantam Corn. 51,121; May 17.
Austin, Nichols & Co., Inc., Brooklyn, N. Y. Sunbeam (Tomatoes). For Selected Hand Packed Tomatoes. 51,122; May 17.
Bardell, J. C., San Francisco, Calif. Souvenir Post Cards—10 Views—a Selected Assortment—1939 Exposition and World's Largest Bridges. For Souvenir Post Cards. 51,123; May 17.
Barjess Corp., New York, N. Y. Handy Hangers. For Article Hangers for Use in Medicine Cabinets or the Like, on the Shelves Thereof. 51,124; May 17.
Beach & Arthur Paper Company, Indianapolis, Ind. All Purpose Cups. For Cups for Hot and Cold Drinks. 51,125; May 17.
Brown & Williamson Tobacco Corporation, Louisville, Ky. Penguin. For Double Edge Blades. 51,126; May 17.
Cabassa, Jose M. G., doing business as Laboratorios Granchel, Santurce, P. R. Leche de Magnesia Granchel. For Milk of Magnesia. 51,127; May 17.
Carolene Products Co., Litchfield, Ill. Carolene. For a Compound of Evaporated Skimmed Milk and Refined Cocoanut Oil. 51,128; May 17.
Carolene Products Co., Litchfield, Ill. Milnut. For a Compound of Evaporated Skimmed Milk and Refined Cocoanut Oil. 51,129; May 17.
Columbia Products Corporation, Brooklyn, N. Y. Silk-Tone Quality Smoothest Way to Beauty. For Powder Puffs. 51,130; May 17.
Crimson Coach, Inc., Toledo, Ohio. Coach and Four. For Smoking Tobacco. 51,131; May 17.
Da Silva, Clemente, Villa Nova da Gaia, Portugal. Rare Douro Port. For Port Wine. 51,132; May 17.
Ellena Bros., Etiwanda, Calif. Pink Chevron. For California Champagne. 51,133; May 17.
Ellena Bros., Etiwanda, Calif. Regina. For California Champagne. 51,134; May 17.
Embossing Company, The, Albany, N. Y. Anex.A.Gram. For a Crossword Game for 2 to 6 Players. 51,135; May 17.
Everson, Franklin E., doing business as Limray Co., New York, N. Y. Limray. For a Product for Sunburn Protection. 51,136; May 17.
F & F Laboratories, Inc., Chicago, Ill. Cough Lozenges. For Medicated Cough Tablets. 51,137; May 17.
Factor, Philip F., doing business as Factor's Hair Products Co., Chicago, Ill. Factor's Oil Shampoo. For an Oil Shampoo. 51,138; May 17.
Florida Citrus Canners Cooperative, Lake Wales, Fla. Value Controld. For Grapefruit Juice. 51,139–40; May 17.
Forch, Ralph. (See Naegele, G. H., Forch, and Harkleroad.)
French, J. E., Co., San Francisco, Calif., Ram's Head Motor Oil. For Motor Oil. 51,141; May 17.
Frozen Novelties Sales Corporation, Long Island City, N. Y. Fudgi-Frost. For a Frozen Confection. 51,142; May 17.
Frozen Novelties Sales Corporation, Long Island City, N. Y. Fruiti-Frost. For a Frozen Confection. 51,143; May 17.
Frozen Novelties Sales Corporation, Long Island City, N. Y. Icy-Frost. For a Frozen Confection. 51,144; May 17.
Garrett & Company, Inc., Brooklyn, N. Y. Old North State. For Blackberry Wine. 51,145; May 17.
Gould, Chester E., Company. (See Greenberg, George.)
Greenberg, George, doing business as Chester E. Gould Company, Malden, Mass. Gould's Laxative Herb Tea. For Herb Tea. 51,146; May 17.
Gum Incorporated, Philadelphia, Pa. Horrors of War. For a Picture Card and Bubble Gum. 51,147–50; May 17.
Harkleroad, S. W. (See Naegele, G. H., Forch, and Harkleroad.)
Hart Drug Corporation, Miami, Fla. Livural. For an Unguentum. 51,151–2; May 17.
Howell, Charles H., and Company Incorporated, Philadelphia, Pa. Howell Synglo Bulletin Color. For Bulletin Colors. 51,153; May 17.
Italian Cheese Co., Inc., Brooklyn, N. Y. Icco. For Grated Cheese with Skim Milk Solids. 51,154; May 17.
Johnson, Gust, Youngstown, Ohio. Johnson's Rub-In. For Liniment. 51,155; May 17.
Johnson, John W., doing business as Johnson Products Co., Buffalo, N. Y. Johnson's Cleaner. For a Cleaner for Rugs, Upholstery, Wood Work, etc. 51,156; May 17.
Keasbey & Mattison Company, Ambler, Pa. Stan-Grade Smooth-Surf. For Roofing. 51,157; May 17.
Keasbey & Mattison Company, Ambler, Pa. Hy-Grade Min-Surf. For Roofing. 51,158; May 17.

Keasbey & Mattison Company, Ambler, Pa. Med-Grade Min-Surf. For Roofing. 51,159; May 17.
Keasbey & Mattison Company, Ambler, Pa. Med-Grade Smooth-Surf. For Roofing. 51,160; May 17.
Keasbey & Mattison Company, Ambler, Pa. Hy-Grade Smooth-Surf. For Roofing. 51,161; May 17.
Laboratorios Granchel. (See Cabassa, Jose M. G.)
Lisnay Co. (See Everson, Franklin E.)
Manlove, William E., doing business as Manloves Laboratories, Norfolk, Va. Manlove's Snapbak. For Headache Powders. 51,162; May 17.
Manolis Manufacturing Company, Chicago, Ill. Ideal Spats. For Spats. 51,163; May 17.
Mattei, A. (See Naegele, G. H., Forch, and Harkleroad, trustees.)
McCaskey, Donald, New York, N. Y. An American Physician's Bread Formula for Human Needs. For Bread. 51,164; May 17.
McCoy, John C., Houston, Tex. McCoy's. For an Ointment for Treating Athlete's Foot. 51,165; May 17.
Miles Shoes, Inc., New York, N. Y. Miles Shoes. For Shoes. 51,166; May 17.
Miller, Welty, Fairchance, Pa. Miller's Blight & Bark Cure. For a Blight and Bark Cure for Trees. 51,167; May 17.
Naegele, George H., R. F. Forch, and S. W. Harkleroad, trustees for the estate of A. Mattei, doing business as A. Mattei, Fresno, Calif. Producers of Sweet Wines Exclusively Since 1892. For Sweet Wines. 51,168; May 17.
New England Fibre Blanket Company, Worcester, Mass. Navajo Wool Homespun. For Navajo Wool Homespun. 51,169; May 17.
New Hennepin Meat Company, Minneapolis, Minn. 5AAAAA Brand. For Butter. 51,170; May 17.
Olivier, Frances, New York, N. Y. Hunter's Pink. For Lipsticks. 51,171; May 17.
Orange Crush Bottling Company. (See Raby, John.)
Orchard Products Company, Chicago, Ill. 3 Fruit. For Jam. 51,172; May 17.
Palm Beach Bottling Works, Palm Beach, Fla. Palm Beach. For Beverages. 51,173; May 17.
Paramount Laboratories Inc., Binghamton, N. Y. Paracide. For a Liquid Preparation for Killing Flies, Roaches, Bed Bugs, Ants, etc. 51,174; May 17.
Paris Neckwear Company, Inc., The, New York, N. Y. Beau de Paris. For Men's Mufflers. 51,175; May 17.
Paris Neckwear Company, Inc., The, New York, N. Y. Tour de Paris. For Men's Mufflers. 51,176; May 17.
Pfeiffer, S., Mfg. Co., St. Louis, Mo. Rid-A-Pain Tablets. For Medicinal Tablets. 51,177; May 17.
Pharis Tire and Rubber Company, The, Newark, Ohio. Lightning Tread Roadgripper. Stops Quick as Lightning. Silent as a Dark Night. For Pneumatic Motor Vehicle Tires. 51,178; May 17.
Piedmont Apple Products Corp., Charlottesville, Va. Mountain Run Brand. For Apple Wine. 51,179; May 17.
Pitman, Harold M., Company, Chicago, Ill. Pitman Fade-Print Solution. For a Solution for Making Image Prints. 51,180; May 17.
Pitman, Harold M., Company, Chicago, Ill. Pitman Verse-Print Solution. For a Solution for Making Reverse Prints on Zinc with Cold Top Enamel. 51,181; May 17.
Ponte, Michael, doing business as Vio Laboratories, Philadelphia, Pa. Vi-Chlor. For a Household Cleaner, Disinfectant and Bleach. 51,182; May 17.
Quaker City Chocolate & Confectionery Co. Inc., Philadelphia, Pa. "Ferndale". For Chocolates. 15,159; renewed Apr. 26, 1938.
R. & G. Product Co., The, Wayne Township, Passaic County, and Preakness, N. J. Wite A Snow. For Cleaning Fluid for the Cleaning of Clothes. 51,183; May 17.
Raby, John, doing business as Orange Crush Bottling Company, Mansfield, Mo. Ozark Mountain Dew. For a Carbonated Beverage. 51,184; May 17.
Recreational Equipment Co., Denver, Colo. Word-O-Grams. For a Game of Skill for from 2 to 200 Players. 51,185; May 17.
Rizzi, Frank, New York, N. Y. Ritzy—A Social Game. For a Game. 51,186; May 17.
Russell Press, Inc., Leicester, Mass. Flip Jack. For a Game. 51,187; May 17.
St. Louis Dairy Company, St. Louis, Mo. St. Louis Dairy. For Ice Cream. 51,188; May 17.
Schwartsberg, Louis, Chicago, Ill. Locomotive Egg Carton. For Egg Cartons. 51,189; May 17.
Sealtest, Inc., New York, N. Y. Hydrox. For Ice Cream. 51,190; May 17.
Tolman Print Incorporated, Cambridge, Mass. L 50. For Footwear. 51,191; May 17.
Tolman Print Incorporated, Cambridge, Mass. L 51. For Footwear. 51,192; May 17.
Tolman Print Incorporated, Cambridge, Mass. L 52. For Footwear. 51,193; May 17.
Tolman Print Incorporated, Cambridge, Mass. L 53. For Footwear. 51,194; May 17.
Tolman Print Incorporated, Cambridge, Mass. L 54. For Footwear. 51,195; May 17.
Tolman Print Incorporated, Cambridge, Mass. L 55. For Footwear. 51,196; May 17.
Vio Laboratories. (See Ponte, Michael.)
Wadhams & Company, Portland, Oreg. Clinic Tissue. For Clinic Tissue. 51,197; May 17.

# LIST OF REGISTRANTS OF PRINTS

Atlas Tack Corporation, Fairhaven, Mass. Atlas Products in the New Shaker Box. For Carpet Tacks. 16,824; May 17.
Borden Company, The, New York, N. Y. Four Star Fountain Service Borden's Ice Cream. For Ice Cream. 16,827; May 17.
Brown, Frank V., Salem, Oreg. Juicy Jumbo Hamburgers. For Hamburger Sandwiches and Steaks Made with Flavorized Ground Juicy Meat. 16,825; May 17.
Brown, Frank V., Salem, Oreg. Juicymeat Hamburgers. For Hamburger Sandwiches and Steaks, Made with Flavorized Ground Juicy Meat. 16,826; May 17.
General Mills, Inc., Minneapolis, Minn. One Cake for 3 Occasions! For Flour. 16,828; May 17.
Genest Bros., Inc., Manchester, N. H. Test for Excellence and Freshness. For Bread. 16,829; May 17.
Goebel Brewing Co., Detroit, Mich. From the Cypress Casks of Goebel. For Beer. 16,830; May 17.
Hoffman, S. L., & Co., Inc., New York, N. Y. Slubrite Frocks of Fine Slub Broadcloth. 16,831; May 17.
Hopper, Millard, New York, N. Y. Can You Solve It? For a Publication. 16,832; May 17.
House of Westminster, Ltd., The, New York, N. Y. The "Clover Honey", an Achievement in Pipecraft by the House of Westminster, Ltd. For Pipes. 16,833; May 17.
House of Westminster, Ltd., The, New York, N. Y. "Emperor Napoleon Pipe" Cured with Genuine Napoleon Brandy. For Pipes. 16,834; May 17.
Lorr Laboratories, Inc. Paterson, N. J. Dura-Gloss Nail Polish. For Nail Polish. 16,835; May 17.
Nutrena Mills, Inc., Kansas City, Kans. Takes Work and Guesswork Out of Feeding. For Poultry Feed. 16,836; May 17.
Parker Pen Company, The, Janesville, Wis. Dale Carnegie's Vacumatic Has What It Takes. For Fountain Pens, Mechanical Pencils, and Ink. 16,837; May 17.
Parker Pen Company, The, Janesville, Wis. Courtesy Writes all Social Letters by Hand. For Fountain Pens, Mechanical Pencils, and Ink. 16,838; May 17.
Porter-Walton Co., Salt Lake City and Centerville, Utah. Mountain Grown Seeds. For Seeds, Shrubs, Roses, and Trees. 16,839; May 17.
Shulton, Inc., New York, N. Y. Early American Toiletries Scented With Old Spice. For Toilet Preparations—Namely, Soaps, Bath Powders, Toilet Waters, Perfumes, and Bath Salts. 16,840; May 17.
Stegmaier Brewing Company, Wilkes-Barre, Pa. Stegmaier's. For Bock Beer. 16,841; May 17.
Underwood Elliott Fisher Company, New York, N. Y. 1937's Greatest Typewriter is Here. For Typewriters. 16,842; May 17.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED

### CLASS 1

Leather, Sole. Banks & Bresel. 356,919; May 17; Serial No. 400,718; published Mar. 8, 1938.
Seed oats. L. P. Cook. 356,879; May 17; Serial No. 390,265; published June 8, 1937.

### CLASS 2

Cartons, Fiberboard. Standard Oil Company of California. 356,952; May 17; Serial No. 401,796; published Mar. 8, 1938.
Cups, Paper drinking. Carpenter Paper Co. 356,947; May 17; Serial No. 401,640; published Mar. 8, 1938.
Kitchen sets. National Enameling and Stamping Company. 356,903; May 17; Serial No. 399,150; published Mar. 8, 1938.

### CLASS 4

Compound for cleaning ophthalmic lenses etc., Liquid. Dob-Ene Company. 356,893; May 17; Serial No. 396,389; published Mar. 8, 1938.
Soap powders. J. Perryman. 356,875; May 17; Serial No. 387,474; published Mar. 8, 1938.



Solvent used in dry cleaning, Liquid. Barrett Company. 356,886; May 17; Serial No. 397,171; published Mar. 8, 1938.

### CLASS 7

Cable. MacWhyte Company. 356,888; May 17; Serial No. 394,904; published Mar. 8, 1938.

### CLASS 12

Calking compound. Pecora Paint Company. 356,968; May 17.

### CLASS 13

Nozzles, Anti-static gasoline dispensing. Gates Rubber Company. 356,938; May 17; Serial No. 401,256; published Mar. 8, 1938.
Spouts for containers, Aluminum pouring. American Aluminum Ware Co. 356,974; May 17.

### CLASS 14

Alloy, Low metalloid iron manganese copper. Keystone Steel & Wire Company. 356,950; May 17; Serial No. 401,743; published Mar. 8, 1938.
Castings. Advance Aluminum Castings Corp. 356,869; May 17; Serial No. 378,815; published Mar. 1, 1938.
Metal, Bearing. Eagle-Picher Lead Company. 356,905; May 17; Serial No. 399,178; published Mar. 8, 1938.

### CLASS 15

Gasoline. Johnson Oil Refining Company. 356,907; May 17; Serial No. 399,837; published Feb. 22, 1938.
Lubricants and addition agents to lubricating oils, Auxiliary. J. B. Clark. 356,897; May 17; Serial No. 397,245; published Nov. 9, 1937.
Oil, Lubricating. Star Oil Company. 122,288-9; renewed July 16, 1938.
Oils and greases, Lubricating. Standard Oil Company of New Jersey. 356,926; May 17; Serial No. 401,001; published Mar. 1, 1938.
Oils and greases, Lubricating. Star Oil Company. 121,963; renewed June 11, 1938.
Oils and lubricating greases, Lubricating. Standard Oil Company of New Jersey. 356,944; May 17; Serial No. 401,622; published Mar. 1, 1938.

### CLASS 16

Coating, Lustrous transparent. Liquid Veneer Corporation. 356,886; May 17; Serial No. 394,236; published Mar. 8, 1938.
Lacquer. Marbon Corporation. 356,873; May 17; Serial No. 385,853; published Mar. 8, 1938.
Polish. Kactus Oil Products Company. 356,927; May 17; Serial No. 401,025; published Mar. 8, 1938.
Varnishes, stains, enamels, etc. Standard Varnish Works. 122,241; renewed July 9, 1938.

### CLASS 19

Fenders, Marine. Socony-Vacuum Oil Company. 356,925; May 17; Serial No. 401,000; published Mar. 8, 1938.
Seat covers, Automobile. Banner Auto Seat Cover Co. Inc. 356,988; May 17.
Wagons, Side discharge. R. G. Le Tourneau, Inc. 356,900; May 17.

### CLASS 20

Floor coverings of the linoleum type, Composition. Paulsboro Manufacturing Company. 356,920; May 17; Serial No. 400,820; published Mar. 8, 1938.

### CLASS 21

Coil material, Magnetic. Automatic Electric Company. 356,949; May 17; Serial No. 401,723; published Mar. 8, 1938.
Control devices, Photo-electric cell operated. Electronic Control Corporation. 356,892; May 17; Serial No. 395,703; published Mar. 8, 1938.
Electrical sound equipment. H. H. Lipman. 356,900; May 17; Serial No. 398,207; published Mar. 8, 1938.
Rheostats. C. Schoenecke. 356,868; May 17; Serial No. 371,319; published Mar. 8, 1938.
Welding heads and voltage control units. Linde Air Products Company. 356,954; May 17; Serial No. 401,826; published Mar. 8, 1938.

### CLASS 22

Dolls. E. Goldberger. 356,866; May 17; Serial No. 364,133; published June 4, 1935.
Game, Board. W. I. Barton. 356,901; May 17; Serial No. 398,656; published Mar. 8, 1938.
Game, Board. K. Smith. 356,876; May 17; Serial No. 387,518; published Mar. 8, 1938.
Games of chance. Werts Novelty Company. 356,877; May 17; Serial No. 367,807; published Mar. 8, 1938.
Golf balls. F. H. Cavignac. 356,890; May 17; Serial No. 395,471; published Sept. 7, 1937.
Toys. E. P. Weisner. 356,889; May 17; Serial No. 395,250; published Mar. 8, 1938.

### CLASS 23

Knives, hunting knives, and fishing knives, Pocket. Camillus Cutlery Company. 356,943; May 17; Serial No. 401,600; published Mar. 8, 1938.
Razors and parts thereof, Safety. A. H. Bryant. 120,335; renewed Feb. 5, 1938.
Roasting mechanisms, Revolving. H. I. Peyton. 356,915; May 17; Serial No. 400,436; published Mar. 8, 1938.
Separators, centrifugal whey separators, etc., Centrifugal cream. De Laval Separator Company. 356,899; May 17; Serial No. 397,943; published Mar. 8, 1938.
Tools, Oil well. Merla Tool Company. 356,902; May 17; Serial No. 398,915; published Mar. 8, 1938.

### CLASS 24

Ironing machines, Protective elements for. Electric Household Utilities Corporation. 356,972; May 17. Class 24.
Laundry roll covers. Atlas Powder Company. 356,941; May 17; Serial No. 401,521; published Mar. 8, 1938.

### CLASS 26

Apparatus for analyzing gases. Eimer & Amend. 356,942; May 17; Serial No. 401,559; published Mar. 8, 1938.
Films, Motion-picture. First National Exhibitors Circuit, Inc. 122,454; renewed Aug. 20, 1938.
Gaging and measuring devices. Sheffield Gage Corporation. 356,881; May 17; Serial No. 390,675; published Dec. 14, 1937.
Lenses, sun glasses, goggles, etc., Optical. Boslnoid Manufacturing Co. 356,955; May 17; Serial No. 401,949; published Mar. 8, 1938.

### CLASS 26

Watches, clocks, alarm clocks, etc. N. Pevsner. 356,970; May 17.

### CLASS 34

Burners and air conditioning units, Domestic oil. Electrol Incorporated. 356,932; May 17; Serial No. 401,181; published Mar. 8, 1938.
Burners, oil burning furnaces, boiler units, etc. Autocrat Oil Burner Corporation. 356,906; May 17; Serial No. 399,338; published Jan. 25, 1938.

### CLASS 35

Beltings, transmission-linings, etc. Charles Bond Company. 123,016; renewed Oct. 8, 1938.

### CLASS 36

Mufflers for pianos, organs, and the like. Winter & Co. 356,951; May 17; Serial No. 401,758; published Mar. 8, 1938.

### CLASS 37

Bristol board and sketching pads. B. K. Elliott Company. 356,987; May 17.
Clips, Spring steel binder. L. E. Baltsley. 356,887; May 17; Serial No. 394,771; published Mar. 8, 1938.
Cloth, Blue print. B. K. Elliott Company. 356,986; May 17.
Memorandum books. E. Hodgsay. 356,884; May 17; Serial No. 392,691; published Mar. 8, 1938.
Napkins, Paper. The Diamond Match Company. 356,948; May 17; Serial No. 401,667; published Mar. 8, 1938.
Paper and stationery. J. C. Blair Company. 123,014; renewed Oct. 8, 1938.
Paper, Blue print. B. K. Elliott Company. 356,983; May 17.
Paper, Drawing. B. K. Elliott Company. 356,982; May 17.
Paper, Drawing. B. K. Elliott Company. 356,984; May 17.
Paper, Tracing. B. K. Elliott Company. 356,980-1; May 17.
Paper, Tracing. B. K. Elliott Company. 356,985; May 17.
Paper, Writing and printing. American Writing Paper Corporation. 356,967; May 17.

### CLASS 38

Magazine. Fairchild Company. 122,961; renewed Oct. 1, 1938.

### CLASS 39

Blouses and dresses. I. Geist. 356,992; May 17.
Clothing, Men's. Eagle Clothes. 356,975; May 17.
Dresses, blouses, culottes, etc. D. Minchenberg. 356,918; May 17; Serial No. 400,518; published Feb. 15, 1938.
Dresses, Cotton. R. H. Macy & Co. 356,976; May 17.
Dresses, Women's. Greenbrier Frocks Inc. 356,930; May 17; Serial No. 401,144; published Feb. 22, 1938.
Frocks. Barmon Brothers Company Inc. 356,916; May 17; Serial No. 400,450; published Feb. 8, 1938.
Hosiery. S. I. Burd. 356,978; May 17.
Shirts. Independent Merchandising Corp. 356,973; May 17.
Vests, Ladies' reversible. Hollywood Vestee Mfg. Co. 356,971; May 17.

### CLASS 40

Snap-fasteners. Carr Fastener Company. 121,544; renewed May 7, 1938.

### CLASS 42

Carpets, rugs, and upholstery piece goods. International Looms, Inc. 356,928; May 17; Serial No. 401,059; published Mar. 8, 1938.

Carpets, rugs, and upholstery piece goods. International Looms, Inc. 356,929; May 17; Serial No. 401,061; published Mar. 8, 1938.
Fabrics in the piece, Grosgrain. Holmes Silk Company. 356,935; May 17; Serial No. 401,217; published Mar. 8, 1938.
Fabrics, Textile. William Cohen Fabrics Corp. 356,903; May 17.
Linings, Neckwear tie. M. J. Mack Corp. 356,898; May 17; Serial No. 397,255; published Mar. 8, 1938.
Nets, Hair. S. Glemby, Inc. 122,698; renewed Sept. 10, 1938.
Piece goods. Cavendish Trading Corporation. 356,921; May 17; Serial No. 400,830; published Mar. 8, 1938.
Piece goods. Warren Fabrics Co. 356,933; May 17; Serial No. 401,202; published Mar. 8, 1938.
Piece goods, Weighted. Triangle Finishing Corp. 356,909; May 17; Serial No. 399,986; published Mar. 8, 1938.
Sheets, crib pillow cases, and crib blankets, Crib. McCrory Stores Corporation. 356,908; May 17; Serial No. 399,846; published Mar. 8, 1938.
Textile fabric piece goods, Tropical or summer weight. Haft and Company. 356,882; May 17; Serial No. 392,533; published Mar. 8, 1938.
Woolen piece goods. Forstmann Woolen Co. 356,914; May 17; Serial No. 400,408; published Mar. 8, 1938.

CLASS 44

Dental goods and materials of all kinds. S. S. White Dental Manufacturing Company. 15,474; re-renewed May 15, 1938.
Pads used in permanent waving. American Hair Design Institute, Inc. 356,977; May 17.
Teeth, Artificial. Columbus Dental Manufacturing Co. 356,904; May 17; Serial No. 399,165; published Mar. 8, 1938.

CLASS 45

Beverage, and sirup and extract for making the same. Syn-Flo Concentrate & Syrup Company. 356,945; May 17; Serial No. 401,624; published Mar. 8, 1938.
Extract mixers, Flavoring. H. Kohnstamm & Co. Inc. 356,885; May 17; Serial No. 393,715; published Oct. 5, 1937.
Juice concentrates, Fresh fruit. T. A. Davis. 356,922; May 17; Serial No. 400,949; published Mar. 8, 1938.
Juice sold as a beverage, Apple. E. K. Malmquist. 356,913; May 17; Serial No. 400,382; published Mar. 8, 1938.
Juices, Concentrated fruit. L. Rose & Co. 356,874; May 17; Serial No. 386,662; published Mar. 8, 1938.
Root beer. Krueger Beverage Company. 356,931; May 17; Serial No. 401,157; published Mar. 8, 1938.
Syrup for flavoring soft drinks, Coffee. Coffee Products Corporation. 356,895; May 17; Serial No. 396,954; published Nov. 9, 1937.

CLASS 46

Butter. Landbrugsministeriet. 356,880; May 17; Serial No. 390,373; published Mar. 8, 1938.
Candy, Chocolate. A. Spaeth & Company. 356,979; May 17.
Canned evaporated milk. W. R. Roach & Co. 122,992; renewed Oct. 1, 1938.
Canned lobster. Romanoff Caviar Company. 356,963; May 17; Serial No. 402,071; published Mar. 8, 1938.
Cheese. S. A. Egidio Galbani. 356,936; May 17; Serial No. 401,251; published Mar. 8, 1938.
Cheese. S. A. Egidio Galbani. 356,937; May 17; Serial No. 401,253; published Mar. 8, 1938.
Eggs and dressed poultry. L. H. Berry. 356,956; May 17; Serial No. 401,979; published Mar. 8, 1938.
Flour for making bread, Wheat. Packard Milling Company. 356,870; May 17; Serial No. 381,323; published Feb. 8, 1938.
Flour, Rye. American Breddo Corporation. 356,912; May 17; Serial No. 400,328; published May 8, 1938.
Fruits, Fresh citrus. Lakeland Highlands Cooperative Association. 356,964; May 17; Serial No. 402,094; published Mar. 8, 1938.
Fruits, Fresh citrus. Scott-Borden, Inc. 356,894; May 17; Serial No. 396,518; published Feb. 15, 1938.
Horse radish, bottled candies, sweet midget pickles, etc. J. A. Wood. 356,990; May 17.
Ice cream, Individual portions of. M. Lazow. 356,953; May 17; Serial No. 401,821; published Mar. 8, 1938.
Milk and a canned preparation for making the same, Frozen malted. R. B. Garnett. 356,891; May 17; Serial No. 395,574; published Mar. 8, 1938.
Paste products, Alimentary. G. Muro. 356,966; May 17; Serial No. 402,195; published Mar. 8, 1938.
Peanut butter with morsels of toasted peanuts added. Good Foods, Incorporated. 356,965; May 17; Serial No. 402,127; published Mar. 8, 1938.
Rations, Dog. E. R. Schooley. 356,917; May 17; Serial No. 400,472; published Feb. 15, 1938.
Rice. C. E. Grosjean Rice Milling Co. 356,946; May 17; Serial No. 401,640; published Mar. 8, 1938.
Sugar. Farr & Co. 356,962; May 17; Serial No. 402,059; published Mar. 8, 1938.
Syrup, molasses, and fruit syrups, Pancake. Natural Sugars, Inc. 356,923; May 17; Serial No. 400,990; published Feb. 8, 1938.
Tea, coffee, cocoa, etc. M. Hässler. 356,883; May 17; Serial No. 392,534; published Mar. 8, 1938.

CLASS 48

Ale. Sterling Brewers, Inc. 356,940; May 17; Serial No. 401,455; published Mar. 8, 1938.
Beer. San Diego Brewing Company. 356,991; May 17.
Beer. Yough Brewing Co. 356,872; May 17; Serial No. 385,207; published Mar. 8, 1938.
Beer and ale. Newsom, Palmer & Company. 356,911; May 17; Serial No. 400,202; published Feb. 15, 1938.
Malt, caramel malt, and color malt. Export Malt Factories Schindler & Stein, Ltd. 356,871; May 17; Serial No. 384,653; published Mar. 8, 1938.

CLASS 49

Brandy. Adet Seward Société Anonyme. 356,934; May 17; Serial No. 401,203; published Mar. 8, 1938.
Brandy. Arbouin Marett & Co., S. A. 356,958; May 17; Serial No. 402,048; published Mar. 8, 1938.
Brandy, Arbouin Marett & Co., S. A. 356,959–60; May 17; Serial Nos. 402,050–1; published Mar. 8, 1938.
Brandy. Arbouin Marett & Co., S. A. 356,961; May 17; Serial No. 402,053; published Mar. 8, 1938.
Brandy. Julius Wile Sons & Co. 356,867; May 17; Serial No. 370,026; published Nov. 12, 1935.
Whiskey. Foust Distilling Co. 356,939; May 17; Serial No. 401,301; published Mar. 8, 1938.
Whiskey. Owings Mills Distillery, Inc. 356,924; May 17; Serial No. 400,994; published Feb. 8, 1938.
Whiskey, Bourbon. A. Lyon. 356,878; May 17; Serial No. 389,689; published Nov. 16, 1937.
Whiskey, gin, brandy, etc. Justerini & Brooks Limited. 356,957; May 17; Serial No. 402,006; published Mar. 8, 1938.
Whiskey, gin, rum, etc. U. D. L. (of America), Inc. 356,989; May 17.
Whisky. J. B. Ferguson. 356,910; May 17; Serial No. 400,002; published Mar. 8, 1938.

## LIST OF LABELS

Aimcee. For Cotton Sanitary Napkins. Associated Merchandising Corporation. 51,117; May 17.
Aimcee. For Soap Chips. Associated Merchandising Corporation. 51,118; May 17.
All Purpose Cups. For Cups for Hot and Cold Drinks. Beach & Arthur Paper Company. 51,125; May 17.
An American Physician's Bread Formula for Human Needs. For Bread. D. McCaskey. 51,164; May 17.
Anex-A-Gram. For a Crossword Game for 2 to 6 Players. Embossing Company. 51,135; May 17.
Approved by Better Books Guild. For Nature's Messages of Peace. Associated Authors. 51,116; May 17.
Atlas Hydrometer. For Battery Hydrometers. Atlas Supply Company. 51,119; May 17.
Atlas Shaker Box. For Tacks. Atlas Tack Corporation. 51,120; May 17.
Beau de Paris. For Men's Mufflers. Paris Neckwear Company. 51,175; May 17.
Carolene. For a Compound of Evaporated Skimmed Milk and Refined Cocoanut Oil.—Carolen Products Co. 51,128; May 17.
Clinic Tissue. For Clinic Tissue. Wadbams & Company. 51,197; May 17.
Coach and Four. For Smoking Tobacco. Crimson Coach, Inc. 51,131; May 17.
Cough Lozenges. For Medicated Cough Tablets. F & F Laboratories, Inc. 51,137; May 17.
Factor's Oil Shampoo. For an Oil Shampoo. P. F. Factor. 51,138; May 17.
"Ferndale". For Chocolates. Quaker City Chocolate & Confectionery Co. Inc. 15,159; renewed Apr. 26, 1938.
5AAAAA Brand. For Butter. New Hennepin Meat Company. 51,170; May 17.
Flip Jack. For a Game. Russell Press, Inc. 51,187; May 17.
Fruiti-Frost. For a Frozen Confection. Frozen Novelties Sales Corporation. 51,143; May 17.
Fudgi-Frost. For a Frozen Confection. Frozen Novelties Sales Corporation. 51,142; May 17.
Gould's Laxative Herb Tea. For Herb Tea. G. Greenberg. 51,146; May 17.
Handy Hangers. For Article Hangers for Use in Medicine Cabinets or the like, on the Shelves Thereof. Barjess Corp. 51,124; May 17.
Horrors of War. For a Picture Card and Bubble Gum. Gum Incorporated. 51,147–50; May 17.
Howell Syngio Bulletin Color. For Bulletin Colors. Charles H. Howell and Company Incorporated. 51,153; May 17.



Hunter's Pink. For Lipsticks. F. Olivier. 51,171; May 17.
Hydrox. For Ice Cream. Sealtest, Inc. 51,190; May 17.
Hy-Grade Min-Surf. For Roofing. Keasbey & Mattison Company. 51,158; May 17.
Hy-Grade Smooth-Surf. For Roofing. Keasbey & Mattison Company. 51,161; May 17.
Icco. For Grated Cheese with Skim Milk Solids. Italian Cheese Co. 51,154; May 17.
Icy-Frost. For a Frozen Confection. Frozen Novelties Sales Corporation. 51,144; May 17.
Ideal Spats. For Spats. Manolis Manufacturing Company. 51,193; May 17.
Johnson's Cleaner. For a Cleaner for Rugs, Upholstery, Wood Work, etc. J. W. Johnson. 51,156; May 17.
Johnsons Rub-In. For Liniment. G. Johnson. 51,155; May 17.
L 50. For Footwear. Tolman Print Incorporated. 51,191; May 17.
L 51. For Footwear. Tolman Print Incorporated. 51,192; May 17.
L 52. For Footwear. Tolman Print Incorporated. 51,193; May 17.
L 53. For Footwear. Tolman Print Incorporated. 51,194; May 17.
L 54. For Footwear. Tolman Print Incorporated. 51,195; May 17.
L 55. For Footwear. Tolman Print Incorporated. 51,196; May 17.
Leche de Magnesia Granchel. For Milk of Magnesia. J. M. G. Cabassa. 51,127; May 17.
Lightning Tread Roadgripper. Stops Quick as Lightning. Silent as a Dark Night. For Pneumatic Motor Vehicle Tires. Pharis Tire and Rubber Company. 51,178; May 17.
Limray. For a Product for Sunburn Protection. F. E. Everson. 51,136; May 17.
Livural. For an Unguentum. Hart Drug Corporation. 51,151–2; May 17.
Locomotive Egg Carton. For Egg Cartons. L. Schwartzberg. 51,189; May 17.
Manlove's Snapbak. For Headache Powders. W. E. Manlove. 51,162; May 17.
McCoy's. For an Ointment for Treating Athlete's Foot. J. C. McCoy. 51,165; May 17.
Med-Grade Min-Surf. For Roofing. Keasbey & Mattison Company. 51,159; May 17.
Med-Grade Smooth-Surf. For Roofing. Keasbey & Mattison Company. 51,160; May 17.
Miles Shoes. For Shoes. Miles Shoes, Inc. 51,166; May 17.
Miller's Blight & Bark Cure. For a Blight and Bark Cure for Trees. W. Miller. 51,167; May 17.
Milnut. For a Compound of Evaporated Skimmed Milk and Refined Cocoanut Oil. Carolene Products Co. 51,129; May 17.
Mountain Run Brand. For Apple Wine. Piedmont Apple Products Corp. 51,179; May 17.
Navajo Wool Homespun. For Navajo Wool Homespun. New England Fibre Blanket Company. 51,169; May 17.
Old North State. For Blackberry Wine. Garrett & Company. 51,145; May 17.
Ozark Mountain Dew. For a Carbonated Beverage. V. Raby. 51,184; May 17.
Palm Beach. For Beverages. Palm Beach Bottling Works. 51,173; May 17.
Paracide. For a Liquid Preparation for Killing Flies, Roaches, Bed Bugs, Ants, etc. Paramount Laboratories Inc. 51,174; May 17.
Penguin. For Double Edge Blades. Brown & Williamson Tobacco Corporation. 51,126; May 17.
Peter Pan. For Salmon. Alaska Pacific Salmon Company. 51,115; May 17.
Pink Chevron. For California Champagne. Ellena Bros. 51,133; May 17.
Pitman Fade-Print Solution. For a Solution for Making Image Prints. Harold M. Pitman Company. 51,180; May 17.
Pitman Verse-Print Solution. For a Solution for Making Reverse Prints on Zinc with Cold Top Enamel. Harold M. Pitman Company. 51,181; May 17.
Producers of Sweet Wines Exclusively Since 1892. For Sweet Wines. G. H. Naegele, R. Forch, and S. W. Harkleroad. 51,168; May 17.
Ram's Head Motor Oil. For Motor Oil. J. E. French Co. 51,141; May 17.
Rare Douro Port. For Port Wine. C. da Silva. 51,132; May 17.
Regina. For California Champagne. Ellena Bros. 51,134; May 17.
Rid-A-Pain Tablets. For Medicinal Tablets. S. Pfeiffer Mfg. Co. 51,177; May 17.
Ritzy—A Social Game. For a Game. F. Rizzi. 51,186; May 17.
St. Louis Dairy. For Ice Cream. St. Louis Dairy Company. 51,188; May 17.
Silk-Tone Quality Smoothest Way to Beauty. For Powder Puffs. Columbia Products Corporation. 51,130; May 17.
Souvenir Post Cards—10 Views—a Selected Assortment—1939 Exposition and World's Largest Bridges. For Souvenir Post Cards. J. C. Bardell. 51,123; May 17.
Stan-Grade Smooth-Surf. For Roofing. Keasbey & Mattison Company. 51,157; May 17.
Sunbeam (Tomatoes). For Selected Hand Packed Tomatoes. Austin, Nichols & Co. 51,122; May 17.
Sunbeam (Whole Grain Kernelkorn). For Fancy Whole Grain Golden Bantam Corn. Austin, Nichols & Co. 51,121; May 17.
The Rocky Mountain Colorado Spinner. For Spinners. Aeroplane Spinner Mfg. Co. 51,114; May 17.
3 Fruit. For Jam. Orchard Products Company. 51,172; May 17.
Tour de Paris. For Men's Mufflers. Paris Neckwear Company. 51,176; May 17.
Value Controld. For Grapefruit Juice. Florida Citrus Canners Cooperative. 51,139–40; May 17.
Vi-Chlor. For a Household Cleaner, Disinfectant and Bleach. M. Ponte. 51,182; May 17.
Wite A Snow. For Cleaning Fluid for the Cleaning of Clothes. R. & G. Product Co. 51,183; May 17.
Word-O-Grams. For a Game of Skill for from 2 to 200 Players. Recreational Equipment Co. 51,185; May 17.

## LIST OF PRINTS

Atlas Products in the New Shaker Box. For Carpet Tacks. Atlas Tack Corporation. 16,824; May 17.
Can You Solve It? For a Publication. M. Hopper. 16,832; May 17.
Courtesy Writes All Social Letters by Hand. For Fountain Pens, Mechanical Pencils, and Ink. Parker Pen Company. 16,838; May 17.
Dale Carnegie's Vacumatic Has What it Takes. For Fountain Pens, Mechanical Pencils, and Ink. Parker Pen Company. 16,837; May 17.
Dura-Gloss Nail Polish. For Nail Polish. Lorr Laboratories, Inc. 16,835; May 17.
Early American Toiletries Scented with Old Spice. For Toilet Preparations—Namely, Soaps, Bath Powders, Toilet Waters, Perfumes, and Bath Salts. Shulton, Inc. 16,840; May 17.
"Emperor Napoleon Pipe" Cured with Genuine Napoleon Brandy. For Pipes. House of Westminster, Ltd. 16,834; May 17.
Four Star Fountain Service Borden's Ice Cream. For Ice Cream. Borden Company. 16,827; May 17.
From the Cypress Casks of Goebel. For Beer. Goebel Brewing Co. 16,830; May 17.
Juicy Jumbo Hamburgers. For Hamburger Sandwiches and Steaks Made with Flavorized Ground Juicy Meat. F. V. Brown. 16,825; May 17.
Juicymeat Hamburgers. For Hamburger Sandwiches and Steaks, Made with Flavorized Ground Juicy Meat. Inc. 16,828; May 17.
Mountain Grown Seeds. For Seeds, Shrubs, Roses, and Trees. Porter-Walton Co. 16,839; May 17.
1937's Greatest Typewriter is Here. For Typewriters. Underwood Elliott Fisher Company. 16,842; May 17.
One Cake for 3 Occasions! For Flour. General Mills, Inc. 16,826; May 17.
Slubrite Frocks of Fine Slub Broadcloth. For Frocks. S. L. Hoffman & Co. 16,831; May 17.
Stegmaier's. For Bock Beer. Stegmaier Brewing Company. 16,841; May 17.
Takes Work and Guesswork Out of Feeding. For Poultry Feed. Nutrena Mills, Inc. 16,836; May 17.
Test for Excellence and Freshness. For Bread. Genest Bros., Inc. 16,829; May 17.
The "Clover Honey", and Achievement in Pipecraft by the House of Westminster, Ltd. For Pipes. House of Westminster, Ltd. 16,833; May 17.

# LIST OF REISSUE PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 17TH DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Anderson, Carl G., Westchester, Ill. Road maintenance machine. Re. 20,726; May 17.

Clark, Richard U., Fort Wayne, Ind. Electron discharge device. Re. 20,727; May 17.

Electronic Laboratories, Incorporated. (See Garstang, William W., assignor.)

Garstang, William W., assignor to Electronic Laboratories, Incorporated, Indianapolis, Ind. Vibrator and operating circuit therefor. Re. 20,728; May 17.

Gengler, Edwin J. (See Heidger, Leonard, assignor.)

Heidger, Leonard, West Allis, assignor to E. J. Gengler, Milwaukee, Wis. Electric fence. Re. 20,725; May 17.

Hendricks, William E., Denver, Colo. Power converting mechanism. Re. 20,729; May 17.

Kimmel, George P. (See Yoe, Alphus O., assignor.)

Phillips Petroleum Company. (See Youker, Malcolm P., assignor.)

Schiller, Sigge, Elizabeth, assignor to Traffic Signs & Signals, Inc., Paterson, N. J. Reflecting unit. Re. 20,731; May 17.

Traffic Signs & Signals, Inc. (See Schiller, Sigge, assignor.)

Yoe, Alphus O., Talladega, Ala., assignor to G. P. Kimmel, Brookeville, Md. Adjustable bridge for bifocal lenses. Re. 20,732; May 17.

Youker, Malcolm P., assignor to Phillips Petroleum Company, Bartlesville, Okla. Recovering hydrocarbon liquids from volatile hydrocarbon gases and vapors. Re. 20,730; May 17.

# LIST OF PLANT PATENTEES

Graham, Thomas E., Kent County, assignor to Greening Nursery Company, Monroe, Mich. Apple tree. 278; May 17.

Greening Nursery Company. (See Graham, Thomas E., assignor.)

Jackson & Perkins Company. (See Nicolas, Jean H., assignor.)

Nicolas, Jean H., assignor to Jackson & Perkins Company, Newark, N. Y. Rose. 279; May 17.

# LIST OF DESIGN PATENTEES

Abeles, Jerome, assignor to The Formfit Company, Chicago, Ill. Brassiere. 109,778; May 17.

Abrahams, Jacques E., New York, N. Y. Negligee. 109,683; May 17.

Adlake Company, The. (See Stewart, Lemuel L., assignor.)

American-National Company, The. (See Snell, Samuel A., assignor.)

American Optical Company. (See Splaine, Edward M., assignor.)

Armao, Mary, New York, N. Y. Dress. 109,684; May 17.

Armao, Mary, New York, N. Y. Dress. 109,685; May 17.

Armao, Mary, New York, N. Y. Dress. 109,686; May 17.

Armao, Mary, New York, N. Y. Dress. 109,687; May 17.

Armbrust Chain Company. (See Armbrust, Ferdinand, assignor.)

Armbrust, Ferdinand, Edgewood, assignor to Armbrust Chain Company, Providence, R. I. Chain. 109,688; May 17.

Atwood, Joseph G. (See Atwood, Mark E. and J. G., and Armstrong.)

Atwood, Mark E. and J. G., Wauwatosa, and W. L. Armstrong, Milwaukee, Wis. Combined hood and cape. 109,689; May 17.

Atwood, Mark E. and J. G., Wauwatosa, and W. L. Armstrong, Milwaukee, Wis. Head covering or the like. 109,690; May 17.

Armstrong, William L. (See Atwood, Mark E. and J. G., and Armstrong.)

Bach, Alfons, New York, N. Y. Upholstered chair or similar article. 109,691; May 17.

Bach, Alfons, New York, N. Y. Upholstered chair or similar article. 109,692; May 17.

Baldwin Company, The. (See Day, Wilbur M., assignor.)

Barsa, Simon, New York, N. Y. Robe. 109,693; May 17.

Bellinson, Dorothy, New York, N. Y. Dress. 109,779; May 17.

Benton, Culmer C. (See Calencia, Ernesto, assignor.)

Berk, Lewis, Brooklyn, N. Y., assignor to H. Greenberg, Philadelphia, Pa., and I. Josefsberg, New York, N. Y. Safety razor. 109,694; May 17.

Berry, Helen, New York, N. Y. Dress. 109,780; May 17.

Berry, Helen, New York, N. Y. Dress. 109,781; May 17.

Brabeck, George E., St. Paul, Minn. Combination knitted hood and scarf. 109,782; May 17.

Budd, Edward G., Manufacturing Company. (See Cret, P. P., and Patton, assignors.)

Budd, Edward G., Manufacturing Company. (See Cret, P. P., and Patton, assignors.)

Calencia, Ernesto, assignor of one-half to C. C. Benton, San Diego, Calif. Bottle cap remover. 109,695; May 17.

California, The, State of. (See Rabito, Anthony, assignor.)

Casey, Edward F., assignor to Converse Rubber Company, Malden, Mass. Overshoe or similar article. 109,759; May 17.

Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. 109,760; May 17.

Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. 109,783; May 17.

Cipoth, Jacques, Mamaroneck, N. Y. Textile fabric. 109,696; May 17.

Cody, Frank C., Chicago, Ill. Snow guard. 109,697; May 17.

Converse Rubber Company. (See Casey, Edward F., assignor.)

Corey, Ross T., Richmond, Calif. Barrel or similar container. 109,752; May 17.

Cret, Paul P., and J. W. Patton, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body or similar article. 109,784; May 17.

Cret, Paul P., and J. W. Patton, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body or similar article. 109,785; May 17.

Cutler-Hammer, Inc. (See Stevens, Clifford B., assignor.)

Day, Wilbur M., Norwood, assignor to The Baldwin Company, Cincinnati, Ohio. Piano case. 109,698; May 17.

Day, George J., Buffalo, N. Y. Face plate for oven thermometers. 109,699; May 17.

Dick, Samuel H., New York, N. Y. Coat. 109,700; May 17.

Dick, Samuel H., New York, N. Y. Coat. 109,701; May 17.

Dick, Samuel H., New York, N. Y. Coat. 109,702; May 17.

Dick, Samuel H., New York, N. Y. Coat. 109,703; May 17.

Dinhofer, Julius, New York, N. Y. Finger ring mounting. 109,704; May 17.

Ebling, Herbert L., Milwaukee, and H. P. Plunkett, Shorewood, Wis. Service station building or the like. 109,705; May 17.

Fain, Edward C., Wetumpka, Ala. Spinning wheel for an amusement device. 109,706; May 17.

Fein, Jacob, New York, N. Y. Shoe or similar article. 109,786; May 17.

Feintuck, Rose, New York, N. Y. Dress. 109,707; May 17.

Finley, Harold L., assignor to The Lenergan Manufacturing Company, Inc., Albion, Mich. Space heater. 109,708; May 17.

Formfit Company, The. (See Abeles, Jerome, assignor.)

Foster, Charles H., New York, N. Y. Bathing goggles. 109,761; May 17.

Franklin, Ray W., Davenport, Iowa. Combined wringer and washing machine casing. 109,709; May 17.

Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. 109,753; May 17.

Garbell, Max, Chicago, Ill. Scale. 109,710; May 17.
Gemex Company. (See Sand, John, assignor.)
General Fireproofing Company, The. (See Johnson, Eric M., assignor.)
General Fireproofing Company, The. (See Powell, Dwight, assignor.)
Gorham Manufacturing Company. (See Price, James R., assignor.)
Gotsch, Walter M., Company. (See Hauck, Marie F., assignor.)
Greenberg, Harry, et al. (See Berk, Lewis, assignor.)
Grimsley, Leopold C. (See Rothenberg, H., and Grimsley, assignors.)
Hauck, Marie F., assignor to Walter M. Gotsch Company, Chicago, Ill. Spread or similar article. 109,711; May 17.
Hauck, Marie F., assignor to Walter M. Gotsch Company, Chicago, Ill. Spread or similar article. 109,712; May 17.
Henschel, Joseph, New York, N. Y. Coat. 109,712; May 17.
Horwitt, Nathan G., New York, N. Y. Ashtray. 109,754; May 17.
Houston, Julia L., Los Angeles, Calif. Bathtub. 109,713; May 17.
Jaffe, Samuel, Chicago, Ill. Finger ring or similar article. 109,714; May 17.
Johnson, Eric M., assignor to The General Fireproofing Company, Youngstown, Ohio. Chair. 109,715; May 17.
Josefsberg, Leo, et al. (See Berk, Lewis, assignor.)
Kelly, Robert A., East Pittsburgh, assignor to United States Glass Company, Pittsburgh, Pa. Bottle or similar article. 109,755; May 17.
Kelly, Robert A., East Pittsburgh, assignor to United States Glass Company, Pittsburgh, Pa. Bottle or similar article. 109,763; May 17.
Kende, George, assignor, by mesne assignments, to Universal Camera Corporation, New York, N. Y. Incandescent lamp. 109,716; May 17.
Komins, Morris, Rochester, N. Y. Bracket thermometer or the like. 109,717; May 17.
Lewis, Gus, New York, N. Y. Dress. 109,787; May 17.
Lonergan Manufacturing Company, The. (See Finley, Harold L., assignor.)
Lookholder, Alex E., La Grange, Ill. Smoking pipe. 109,756; May 17.
Lo Prete, Salvatore, New York, N. Y. Coat. 109,718; May 17.
Machanoff, Ben, New York, N. Y. Dress ensemble. 109,764; May 17.
Mackelfresh, William E., Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Candle holder. 109,719; May 17.
Michelson, Margaret, New York, N. Y. Dress ensemble. 109,720; May 17.
Michelson, Margaret, New York, N. Y. Dress. 109,721; May 17.
Miller, Walter C., assignor to Quaker Lace Company Inc., Philadelphia, Pa. Lace tablecloth. 109,722; May 17.
Norcross. (See Norcross, Arthur D., assignor.)
Norcross, Arthur D., assignor to Norcross, New York, N. Y. Doll. 109,723; May 17.
Norcross, Arthur D., assignor to Norcross, New York, N. Y. Doll. 109,724; May 17.
Oppenheim, Mildred, New York, N. Y. Bracelet. 109,765; May 17.
Otto, Ferdinand P., assignor to Quaker Lace Company Inc., Philadelphia, Pa. Lace tablecloth. 109,725; May 17.
Otto, Ferdinand P., assignor to Quaker Lace Company Inc., Philadelphia, Pa. Lace tablecloth. 109,726; May 17.
Owens-Illinois Glass Company. (See Mackelfresh, William E., Jr., assignor.)
Owens-Illinois Glass Company. (See Fuerst, Edwin W., assignor.)
Patton, John W. (See Cret, P. P., and Patton, assignors.)
Patton, John W. (See Cret, P. P., and Patton.)
Pawsat, Ewald F., Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated. Luggage carrier for bicycles or the like. 109,727; May 17.
Pecker, Michael, San Francisco, Calif. Rubber heel. 109,788; May 17.
Peisner, Charles M., New York, N. Y. Textile fabric. 109,728; May 17.
Pershall, Ralph H., Bremerton, assignor to Sanicut Mfg. Co., Port Orchard, Wash. Closure attachment for a pitcher or similar article. 109,789; May 17.
Plunkett, Henry P. (See Ebling, H. L., and Plunkett.)
Powell, Dwight, assignor to The General Fireproofing Company, Youngstown, Ohio. Chair. 109,729; May 17.
Powers, George G., Chicago, Ill. Spring. 109,730; May 17.
Price, James R., assignor to Gorham Manufacturing Company, Providence, R. I. Spoon or other article of flatware. 109,766; May 17.
Quaker Lace Company Inc. (See Otto, Ferdinand P., assignor.)
Quaker Lace Company Inc. (See Miller, Walter C., assignor.)
Rabito, Anthony, Elmhurst, N. Y., assignor to The State of California. Tax stamp or similar article. 109,731; May 17.
Rackmales, Samuel, Baltimore, Md. Pipe rack. 109,757; May 17.
Ray, Loyd W., and F. H. Wirts, assignors to White Castle System, Inc., Columbus, Ohio. Griddle stand or the like. 109,732; May 17.
Reichart, James H., Muncie, Ind. Sewing case or similar article. 109,733; May 17.
Rhodes, Marcus H., Hartford, Conn. Dial plate. 109,734; May 17.
Rothenberg, Harry, Norwood, N. J., and L. C. Grimsley, Jackson Heights, N. Y. Flashlight casing. 109,758; May 17.
Salomon, Irving, Chicago, Ill. Table. 109,790; May 17.
Sand, John, assignor to Gemex Company, Newark, N. J. Bracelet chain. 109,736; May 17.
Sanicut Mfg. Co. (See Pershall, Ralph H., assignor.)
Schaeffer, Jacob H., Brooklyn, N. Y. Ring mounting. 109,737; May 17.
Schein, Samuel, Brooklyn, N. Y. Perfume bottle. 109,767; May 17.
Smith, Arthur G., Elyria, Ohio. Rubber heel. 109,768; May 17.
Smith, Arthur G., Elyria, Ohio. Rubber heel. 109,769; May 17.
Smith, Arthur G., Elyria, Ohio. Rubber heel. 109,770; May 17.
Smith, Arthur G., Elyria, Ohio. Rubber heel. 109,771; May 17.
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Front bolster for a juvenile vehicle. 109,738; May 17.
Sonin, Edward, Long Beach, N. Y. Perforate protector plate for display cards. 109,791; May 17.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Pair of spectacles. 109,772; May 17.
Squibb, E. R., & Sons. (See Werner, Stanton E., assignor.)
Stevens, Clifford B., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrical appliance plug connecter. 109,735; May 17.
Stevens, Clifford B., Milwaukee, Wis. Highway automotive passenger vehicle. 109,739; May 17.
Stewart, Lemuel L., Chicago, Ill., assignor to The Adlake Company. Lighting fixture or similar article. 109,740; May 17.
Strauss, Ira, New York, N. Y. Textile fabric. 109,741; May 17.
Strauss, Ira, New York, N. Y. Textile fabric. 109,742; May 17.
Strauss, Ira, New York, N. Y. Textile fabric. 109,743; May 17.
Summers, Paul F., Honolulu, Hawaii. Flacon. 109,773; May 17.
Talge, Foster L., Kansas City, Mo. Broiler. 109,774; May 17.
Thorell, Helmer W., assignor to Woodward Governor Company, Rockford, Ill. Cabinet for an actuator governor. 109,744; May 17.
Trudo, Edward V., assignor to Trudo Manufacturing Company, Weston, Mass. Table. 109,745; May 17.
Trudo Manufacturing Company. (See Trudo, Edward V., assignor.)
United States Glass Company. (See Kelly, Robert A., assignor.)
Universal Camera Corporation. (See Kende, George, assignor.)
Van Laven, Abraham, Brooklyn, N. Y. Hat. 109,746; May 17.
Wagner, Mildred, New York, N. Y. Dress. 109,792; May 17.
Wagner, Mildred, New York, N. Y. Dress. 109,793; May 17.
Wald Manufacturing Company. (See Pawsat, Ewald F., assignor.)
Warner, Charles, New York, N. Y. Dress ensemble. 109,747; May 17.
Warner, Charles, New York, N. Y. Dress ensemble. 109,748; May 17.
Weisman, Ralph, Detroit, Mich. Arm rest for a glider or similar article. 109,749; May 17.
Werner, Stanton E., Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Drinking vessel for animals or the like. 109,750; May 17.
White Castle system, Inc. (See Ray, L. W., and Wirts, assignor.)
Wirts, Frank H. (See Ray, L. W., and Wirts.)
Wolfsheim & Sashs, Inc. (See Wolfsheim, Sylvan M., assignor.)
Wolfsheim, Sylvan M., assignor to Wolfsheim & Sashs, Inc., Buffalo, N. Y. Display box or similar article. 109,775; May 17.
Wolfsheim, Sylvan M., assignor to Wolfsheim & Sashs, Inc., Buffalo, N. Y. Display box or similar article. 109,776; May 17.
Wolfsheim, Sylvan M., assignor to Wolfsheim & Sashs, Inc., Buffalo, N. Y. Display box or similar article. 109,777; May 17.
Woodward Governor Company. (See Thorell, Helmer W., assignor.)
Zavell, Arnold, New York, N. Y. Textile fabric or similar article. 109,751; May 17.

# LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 17TH DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A-W Heating Specialties Corporation. (See Wallerstein, Abraham, assignor.)
Abercrombie Pump Company. (See Allen, Herbert, assignor.)
Adams, Elwood J., assignor of fifty percent to R. T. Adams, Pitman, N. J., and fifty percent to G. V. Dimitman, Philadelphia, Pa. Casement sash. 2,117,391; May 17.
Adams, Irene M., Portland, Oreg. Food form. 2,117,266; May 17.
Adams, Robert T., et al. (See Adams, Elwood J., assignor.)
Ainsworth, George C., St. Petersburg, Fla. Fruit corer. 2,117,278; May 17.
Air Reduction Company. (See Walker, George L., assignor.)
Akron Brass Manufacturing Company. (See Schellin, John C., assignor.)
Aktiebolaget Ljungströmas Ångturbin. (See Lysholm, Alf, assignor.)
Aktiebolaget Nordiska Hovbeslaget. (See Nygaard, J. O., and Milden, assignors.)
Alaska Freezer Co., The. (See Townsend, James W., assignor.)
Albright, Raymond W., and A. Szegvari, assignors to American Anode Inc., Akron, Ohio. Protective coating for footwear and other articles. 2,117,532; May 17.
Aldinger, Otto, Stuttgart, Germany. Electric switch. 2,117,782; May 17.
Alexander, Claude H., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of plastic products. 2,117,591; May 17.
Alexander, Oskar M., Bad Bramstedt, Germany. Track body. 2,117,280; May 17.
Allen, Earl M., and C. A. Brooks, Swissvale, and H. A. Thompson, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,117,691; May 17.
Allen, Glenn L., Jr., Antioch, Calif., assignor to Great Western Electro-Chemical Company. Manufacture of nitromethane. 2,117,931; May 17.
Allen, Herbert, assignor to Abercrombie Pump Company, Houston, Tex. Pipe holding device. 2,117,783; May 17.
Allin, George S., assignor to Isaacson Iron Works, Inc., Seattle, Wash. Tandem truck vehicle. 2,117,784; May 17.
Allyn, Leon L., assignor to Master-Craft Corporation, Kalamazoo, Mich. Binder or loose sheet holder. 2,117,265; May 17.
Alvey-Ferguson Company, The. (See Schock, C. R., and Koehler, assignors.)
American Anode Inc. (See Albright, R. W., and Szegvari, assignors.)
American Anode, Inc. (See Feikert, Adrian H., assignor.)
American Bridge Company. (See Hunter, Harry C., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Gas Machine Company. (See Hillebrand, Earl, assignor.)
American Radiator Company. (See Timmis, W. W., and Walker, assignors.)
American Sealcone Corporation. (See Buckingham, Harold S., assignor.)
American Supply Company. (See Owler, Albert J., assignor.)
Ames, Warren, Newton, Mass. Gauge. 2,117,267; May 17.
Ames, Warren, Newton, Mass. Gauge. 2,117,268; May 17.
Anderson, Arthur F. (See Williams, C. E., and Anderson.)
Anderson, John P., Koppel, assignor, by mesne assignments, to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Dump vehicle. 2,117,592; May 17.
Andrews, Chester E. (See Covert, L. W., and Andrews, assignors.)
Andrews, Chester E., Overbrook, and L. W. Covert, assignors to Röhm & Haas Company, Philadelphia, Pa. Hydrogenating carbonyl compounds and catalyst therefor. 2,118,001; May 17.
Andrews, Philip A. (See Rambush, N. E., and Andrews.)
Anker, Lloyd S., Cambridge, Ohio. Vehicle seat. 2,117,932; May 17.
Anson, Samuel B., Cleveland Heights, assignor to The Cleveland Shopping News Company, Cleveland, Ohio. Photoengraving equipment. 2,117,279; May 17.
Arado Flugzeugwerke G. m. b. H. (See Blume, Walter, assignor.)
Armstrong, Fullerton G. G., Beverley, England. Suspension arrangement for road vehicles. 2,117,588; May 17.
Armstrong, Fullerton G. G., Beverley, England. Suspension arrangement for road vehicles. 2,117,589; May 17.
Armstrong, Fullerton G. G., Beverley, East Yorkshire, England. Suspension arrangement for road vehicles. 2,117,590; May 17.
Armstrong, Fullerton G. G., Beverley, England. Hydraulic shock absorber or other damping means. 2,117,643; May 17.
Armstrong, Fullerton G. G., assignor to Armstrong's Patents Company Limited, Beverley, East Yorkshire, England. Hydraulic shock absorber or the like damping means. 2,117,644; May 17.
Armstrong, Fullerton G. G., assignor to Armstrong's Patents Company Limited, Beverley, East Yorkshire, England. Hydraulic shock absorber or the like damping means. 2,117,645; May 17.
Armstrong, Fullerton G. G., assignor to Armstrong's Patents Company Limited, Beverley, East Yorkshire, England. Hydraulic shock absorber or the like damping means. 2,117,646; May 17.
Armstrong's Patents Company. (See Armstrong, Fullerton G. G., assignor.)
Arrow-Hart & Hegeman Electric Company. (See Schleicher, H. E., and Guett, assignors.)
Associated Electric Laboratories, Inc. (See Lomax, C. E., and Voss, assignors.)
Associated Telephone and Telegraph Company. (See Woodland, C. R., and Rhodes, assignors.)
Atkins, George E., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Battery box. 2,117,692; May 17.
Austin, Frederick D., Port Chester, N. Y. Fuse substance and producing same. 2,117,282; May 17.
Automatic Devices Corporation. (See Cohen, Joseph H., assignor.)
Automatic Products Company. (See Johnson, R. W., and Wetzel, assignors.)
Automatic Telephone & Electric Company Limited. (See Preist, Thomas P., assignor.)
B. S. A. Tools Limited. (See Ogilvie, William, assignor.)
Babbitt, Arthur W., Newark, N. J., and J. C. Lewis, Providence, R. I., assignors to The Clark Thread Company, Newark, N. J. Twisting frame. 2,117,870; May 17.
Backofen, Fritz, Mittweida, Germany. Damping roll for lithographing presses. 2,117,593; May 17.
Bacon, Leonard B., East Brunswick, Victoria, Australia. Liquid level gauge. 2,117,933; May 17.
Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)
Baker Oil Tools, Inc. (See Baker, R. C., and Burt, assignors.)
Baker Oil Tools, Inc. (See Baker, R. C., and Mellin, assignors.)
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Drill collar float valve for well drilling strings. 2,117,533; May 17.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Well cementing device. 2,117,534; May 17.
Baker, Reuben C., Coalinga, and C. E. Burt, Los Angeles, assignors to Baker Oil Tools, Inc., Huntington Park, Calif. Wire line operated cement retainer and bridge plug. 2,117,535; May 17.
Baker, Reuben C., Coalinga, and O. A. Mellin, Alameda, assignors to Baker Oil Tools, Inc., Huntington Park, Calif. Valve structure for well casings and tubing. 2,117,536; May 17.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Guide and wash-down shoe for well casings. 2,117,537; May 17.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Cement basket. 2,117,538; May 17.
Baldwin-Southwark Corporation. (See Dinzl, Richard W., assignor.)
Ball, Albert L. (See Scutt, A. G., and Ball.)
Bancel, Paul A., Montclair, assignor to Ingersoll-Rand Company, Jersey City, N. J. Apparatus for refrigerating purposes. 2,117,693; May 17.
Banigan, Thomas F., Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic article. 2,117,392; May 17.
Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Automatic control equipment. 2,117,871; May 17.

Barkley-Grow Aircraft Corporation. (See Stone, Morris J., assignor.)
Barnard, Therides V., Omaha, Nebr. Corn popper. 2,117,872; May 17.
Barrett Company, The. (See Pearl, John W., assignor.)
Barrett, Ray W., assignor to S. R. Bowen Co., Huntington Beach, Calif. Inside casing cutter. 2,117,594; May 17.
Bartels, Bernhard. (See Schleede, A., and Bartels.)
Bass, Shailer L. (See Britton, E. C., and Bass.)
Bass, Shailer L., assignor to The Dow Chemical Company, Midland, Mich. Organic phosphates. 2,117,283; May 17.
Bassick Company, The. (See Claud-Mantle, Arthur, assignor.)
Bateson, Tom D., Victoria, British Columbia, Canada. Lawn mower. 2,117,393; May 17.
Baule, Gerhard H. J., Syracuse, N. Y. Control for fluid motors. 2,117,595; May 17.
Becker, Helmut, assignor to Ernst Leitza, G. m. b. H., Wetzlar, Germany. Shutter mechanism for moving picture cameras. 2,117,694; May 17.
Becker, John E., Stoney Creek, Ontario, Canada. Roller skate. 2,117,785; May 17.
Behr-Manning Corporation. (See Ross, Colin A., assignor.)
Bell, Forrest F., assignor, by mesne assignments, to Curtis Companies Incorporated, Clinton, Iowa. Frame construction. 2,117,269; May 17.
Bell Telephone Laboratories, Incorporated. (See Atkins, George E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Black, Harold S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Budenbom, Horace T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Burwell, John A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cramer, W. W., and Cummings, assignors.)
Bell Telephone Laboratories, Incorporated. (See Davis, Kingsbury H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Davisson, Clinton J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Green, Charles W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hysko, John L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Miller, Ralph L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wrathall, Leishman R., assignor.)
Bell, William F. G., assignor to The McKibbin Neon Incorporated, Norwalk, Conn. Photographic enlarger lamphouse. 2,117,754; May 17.
Belmont Radio Corporation. (See McWeeny, John L., assignor.)
Bemis, Albert F., Newton, assignor to Bemis Industries, Incorporated, Boston, Mass. Building construction. 2,117,934; May 17.
Bemis Industries, Incorporated. (See Bemis, Albert F., assignor.)
Bender, Harry, Antioch, and D. J. Pye, Pittsburg, Calif. Glass electrode. 2,117,596; May 17.
Bendix Aviation Corporation. (See Ketay, M. F., and Peterson, assignors.)
Benjafield, Walter O., New York, N. Y. Shoehorn. 2,118,019; May 17.
Benjamin, Theodore S. (See Benjamin, Walter R. and T. S.)
Benjamin, Walter R. and T. S., Granite City, Ill. Removable inner barrel for air guns. 2,117,935; May 17.
Benjohn Laboratories, Inc. (See Dailey, Rollin C., assignor.)
Bennett, Richard G., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge tube. 2,118,002; May 17.
Berger, Samuel L., Newark, N. J. Mechanical toy. 2,117,597; May 17.
Bernstein, Samuel S., Beverly Hills, Calif. Webbing support for upholstered furniture. 2,117,394; May 17.
Berry, M. K., et al. (See Kennedy, J. W., Ramsey, and Lee, assignors.)
Bieber, Clarence G., and M. P. Buck, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y. Nickel anode. 2,117,284; May 17.
Bienstock, Samuel J., Bronx, N. Y. Mailing device. 2,117,539; May 17.
Bigelow, Harry K., assignor to B. S. Lurie, Columbus, Ohio. Method and apparatus for finishing brake shoes. 2,118,003; May 17.
Bigney, Sidney O., Attleboro, Mass., assignor to S. O. Bigney & Company. Expansible chain structure. 2,117,395; May 17.
Bigney, S. O., & Company. (See Bigney, Sidney O., assignor.)
Bird & Yeomans Limited. (See Taylor, Raymond, assignor.)
Birr, Rudolph G., Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel dispensing apparatus. 2,117,396; May 17.
Bishop, William H., Birmingham, England. Sliding roof for vehicles. 2,117,598; May 17.
Bitzer, John, St. Louis, Mo. Stick hanger. 2,117,285; May 17.
Black, Harold S., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone signaling system. 2,117,835; May 17.
Black, James J., assignor to The Trailer Company of America, Cincinnati, Ohio. Prop for semitrailers. 2,118,004; May 17.
Bliesath, Ernest, Kerry, Oreg. Garter construction. 2,117,286; May 17.
Blair, Edward L. (See Blucher, Amos A., assignor.)
Bloch, Franz G., Leitmeritz, Czechoslovakia, assignor to Rota S. A., La Chaux-de-Fonds, Switzerland. Measuring device. 2,117,287; May 17.
Bloom, Fred S., Pittsburgh, Pa. Apparatus for producing progressively delayed combustion. 2,117,270; May 17.
Blucher, Amos A., Owings Mills, assignor of one-half to E. L. Blair, Westminster, Md. Brake adjuster. 2,117,288; May 17.
Blume, Walter, Brandenburg (Havel), assignor of one-half to the firm Arado Flugzeugwerke G. m. b. H., Brandenburg, Germany. Tail skid for airplanes. 2,117,786; May 17.
Bock, Oscar L., Madison, Wis. Burner regulating mechanism. 2,117,787; May 17.
Boehm, August. (See Leipold, A., and Boehm.)
Boehm, Frederick, assignor to Schutte and Koerting Company, Philadelphia, Pa. Jet cleaning device. 2,117,647; May 17.
Bonsall, Charles D., Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Insulated car wall. 2,117,397; May 17.
Borgfeldt, Frederic R., Middlebury, Ind., assignor to Middlebury Electric Clock Corporation, Chicago, Ill. Electric clock. 2,117,873; May 17.
Boxley, David A., Jr., Lakewood, assignor to The Glidden Company, Cleveland, Ohio. Preparing a surface. 2,117,289; May 17.
Bottorf, Harry F., Williamsport, Pa., assignor to Pangborn Corporation, Hagerstown, Md. Method of and apparatus for cleaning tubular bodies. 2,117,648; May 17.
Bovard, Floyd G., Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Trimmer. 2,117,695; May 17.
Bowen, George W., Houston, Tex., assignor to S. R. Bowen Co., Huntington Beach, Calif. Inside casing cutter. 2,117,599; May 17.
Bowen, S. K., Co. (See Bowen, George W., assignor.)
Bowen, S. R., Co. (See Barrett, Ray W., assignor.)
Bowman, David E., assignor to Siphonator, Inc., Los Angeles, Calif. Combined siphon bottle and carbonator. 2,117,271; May 17.
Bowser, Percy L. (See Flammang, J., Ernst, and Bowser.)
Boyle, Clete L., Detroit, Mich. Soldering solution. 2,117,649; May 17.
Brandt, Thomas F., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Pothead. 2,117,696; May 17.
Brandt, Thomas F., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Pothead. 2,117,697; May 17.
Braun, Oskar. (See Paquin, M., and Braun.)
Bravi, Eugenio, assignor to Società An. Finanziaria Fiammiferi ed Affini, Milan, Italy. Manufacture of match books. 2,117,281; May 17.
Bridgeport Coach Lace Company. (See Hamm, James I., assignor.)
Brill, John L., and R. W. Plummer, Newark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of alkyl formates. 2,117,600; May 17.
Britton, Edgar C., and S. L. Bass, assignors to The Dow Chemical Company, Midland, Mich. Meta-xenyl phosphoric acid derivatives. 2,117,290; May 17.
Britton, Edgar C., and S. L. Bass, assignors to The Dow Chemical Company, Midland, Mich. Para-xenyl phosphoric acid derivatives. 2,117,291; May 17.
Brooker, Leslie G. S., and G. H. Keyes, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Derivatives of pyridine and quinoline and their preparation. 2,117,936; May 17.
Brooks, Charles A. (See Allen, E. M., Brooks, and Thompson.)
Brooks, Earl M., Fort Worth, Tex. Moistening device. 2,117,272; May 17.
Brott, Vernon D., Franklin Park, Ill. Internal combustion engine. 2,117,292; May 17.
Brown, Cicero C., Houston, Tex. Combined back pressure valve and wall scraper. 2,117,836; May 17.
Brown Instrument Company, The. (See Harrison, T. R., and Side, assignors.)
Brown Instrument Company, The. (See Krogh, Anker E., assignor.)
Brown, John W., Baltimore, Md., assignor to Continental Oil Company, Ponca City, Okla. Apparatus for removing oil from water. 2,117,273; May 17.
Brown, Thomas E., Jr., Tuxedo Park, N. Y. Scoring means for game boards. 2,117,398; May 17.
Browne, Lindsay H., Pittsford, N. Y., assignor to Kellogg Compressor and Manufacturing Corporation. Compressor structure. 2,117,601; May 17.





Brownell, Byrd, Ely, Minn. Knife sheath. 2,117,937; May 17.
Brugmann, Herman H., Spencer, Iowa. Storm sash operating means. 2,117,540; May 17.
Bruson, Herman A., assignor to Röhm & Haas Company, Philadelphia, Pa. Plasticiser and method for manufacturing. 2,117,293; May 17.
Buchser, John J. Fortress Monroe, Va. Electrolytic film removing apparatus. 2,117,294; May 17.
Buck, Mortimer P. (See Bieber, C. G., and Buck.)
Buckingham, Harold S., assignor to American Sealcone Corporation, New York, N. Y. Making receptacles. 2,117,295; May 17.
Budenbom, Horace T., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 2,117,698; May 17.
Buettell, Samuel E., assignor to Cross Parking Systems, Inc., Chicago, Ill. Vehicle storage system. 2,117,274; Buffalo Electric Furnace Corporation. (See Sell, Gilbert E., assignor.)
Buffalo Pressed Steel Company. (See Haas, Lucien L., assignor.)
Bulkley, Ronald, Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil composition. 2,117,602; May 17.
Bullard, E. D., Company. (See Williamson, Evan D., assignor.)
Bundy Tubing Company. (See Corrigan, Roy J., assignor.)
Burchill, John, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Dyeing of leather. 2,117,699; May 17.
Burkhardt, Harry L., Santa Monica, Calif. Internal combustion engine. 2,117,700; May 17.
Burnett, Clarence M., St. Paul, assignor to Lewis Bolt & Nut Company, Minneapolis, Minn. Take-up device. 2,117,701; May 17.
Burwell, John A., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching mechanism. 2,117,702; May 17.
Burr, Myrtice C. (See Eynon, H. B., and Burr.)
Burt, Clarence E. (See Baker, E. C., and Burt.)
Busch-Sulzer Bros.-Diesel Engine Company. (See Schlatter, Rudolph, assignor.)
Cable, Cecil. (See Cable, Roy P., M., and C.)
Cable, Manly. (See Cable, Roy P., M., and C.)
Cable, Roy P., M., and C., Macklin, Saskatchewan, Canada. Aeroplane propeller. 2,117,788; May 17.
Cahoon, Brent F., Forest Hills, assignor to Captive Closures, Inc., New York, N. Y. Dispensing package for liquids. 2,117,296; May 17.
Cameron, James D., Madawaska, Ontario, Canada. Rotary sleeve valve for internal combustion engines. 2,117,650; May 17.
Campbell, Harry W., Los Angeles, Calif. Shot for athletic uses. 2,117,938; May 17.
Campbell, Richard L. (See Wile, D. D., and Campbell.)
Camplon, James F., Freeport, N. Y. Glass pane holding device. 2,117,939; May 17.
Captive Closures, Inc. (See Cahoon, Brent F., assignor.)
Carborundum Company, The. (See Scutt, A. G., and Ball, assignors.)
Carey-McFall Co. (See Stuber, Walter J., assignor.)
Carlisle Lumber Company. (See Goss, O. P. M., and Goss, assignors.)
Carlsen, Charles M., assignor to The Chemical Corporation, Spokane, Wash. Preinjection fluid. 2,117,297; May 17.
Carpenter, Charles E., Chicago, Ill. Dough batch cutter and the like. 2,117,399; May 17.
Carpenter, John S., assignor to Rodney Hunt Machine Company, Orange, Mass. Wicket gate. 2,117,940; May 17.
Carter Carburetor Corporation. (See Holden, William C., assignor.)
Carter, Donald M. (See Patits, George J., assignor.)
Casper, Anthony B., assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,117,837; May 17.
Castello, Thomas, Clifton, N. J. Curtain and drapery fixture. 2,117,941; May 17.
Castle, Thomas R., London, England, assignor, by mesne assignments, to Mergenthaler Linotype Company, Brooklyn, N. Y. Distributing mechanism of typographical composing machines. 2,117,541; May 17.
Catland, Alfred C. (See Howard, J. H., and Catland.)
Caugherty, John J., Donora, Pa. Rod cleaning machine. 2,117,651; May 17.
Centrifix Corporation. (See Hawley, Charles G., assignor.)
Chamier, John A., Aldwych, London, and G. F. Jones, West Hill, Highgate, London, England. Pump and compressor. 2,117,652; May 17.
Chaney, John L., assignor of one-half to L. F. Chaney, Springfield, Ohio. Thermometer. 2,117,942; May 17.
Chaney, Lee F. (See Chaney, John L., assignor.)
Changette, Inc. (See Skidelsky, Nina, assignor.)
Chartier, Louis, Schenectady, N. Y. Door. 2,117,542; May 17.
Chemical Corporation, The. (See Carlsen, Charles M., assignor.)
Chemical Works formerly Sandoz. (See Peter, Albin, assignor.)
Chicago Pneumatic Tool Company. (See Lear, Earl B., assignor.)
Chicago Pneumatic Tool Company. (See Reed, Clarence E., assignor.)
Chirelstein, Nathan, Newark, N. J. Plug. 2,117,298; May 17.
Christiansen, Walter G., Glen Ridge, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Cyclohexene derivatives. 2,117,299; May 17.
Chryst, William A. (See Pontis, W. G., Chryst, Kiudl, and Kunkle.)
Chubb, Alexander A., Coventry, and N. C. Smart, Birley, near Coventry, assignors to The General Electric Company Limited, London, England. System of control for electrically operated lifts. 2,117,838; May 17.
Chubb, Alexander A., Coventry, assignor to The General Electric Company Limited, London, England. System of control for electrically operated lifts. 2,117,839; May 17.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Electric capacitor. 2,117,874; May 17.
Clark Thread Company, The. (See Babbitt, A. W., and Lewis, assignors.)
Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Fastening device for automobile hoods or the like. 2,117,339; May 17.
Cleary, Herbert B., Kilgore, Tex. Introducing and mixing chemicals into an oil stream. 2,117,789; May 17.
Cleveland Pneumatic Tool Company, The. (See Van Sittert, Paul, assignor.)
Cleveland Shopping News Company, The. (See Anson, Samuel B., assignor.)
Clifton, Harry, and F. W. Whitehead, assignors to Whitecliff Development and Manufacturing Company, Erie, Pa. Meter attachment. 2,117,653; May 17.
Clinker, Lake E., Toledo, Ohio. Vehicle door latch handle structure. 2,117,943; May 17.
Cobb, Henry Z., Providence, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Apparatus for covering articles. 2,117,400; May 17.
Cobb, Vernor L., Hugo, Colo. Vehicle spring suspension. 2,117,401; May 17.
Cobert, Joseph K., Sherbrooke, Quebec, Canada. Knitted fabric testing device. 2,117,402; May 17.
Cochrane, Adam B., Elyria, assignor to Roberts-Gordon Appliance Corporation, Buffalo, N. Y. Gas control valve. 2,117,944; May 17.
Cohen, Joseph H., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,117,703; May 17.
Cohn, David J. (See Smith, H., and Cohn.)
Cohn & Rosenberger, Inc. (See Placco, Oscar F., assignor.)
Coldwell, John S., and H. L. Zimmerman, assignors, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis. Roller skate. 2,117,704; May 17.
Continental Oil Company. (See Brown, John W., assignor.)
Continental Oil Company. (See Dyer, Joseph G., assignor.)
Cooper, Jacob B., Park Ridge, N. J. Meter cabinet. 2,117,945; May 17.
Copson, Raymond L. (See Curtis, H. A., and Copson.)
Cords, Otto, Berlin-Lichterfelde, assignor to Norddeutsche Kabelwerke A. G., Berlin-Neukolln, Germany. Electric cable. 2,118,005; May 17.
Corrigan, Roy J., assignor to Bundy Tubing Company, Detroit, Mich. Tube flaring tool. 2,117,543; May 17.
Corser, John, assignor to Diamond Iron Works, Incorporated, Minneapolis, Minn. Rock crushing machine. 2,117,300; May 17.
Cotanch, Earl E., Los Angeles, Calif. Power transmission mechanism. 2,117,654; May 17.
Couch, Glenn F., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,118,006; May 17.
Couch, Henry R. (See Nadeau, G. F., and Couch.)
Coupe, George J. (See Smith, A. J., and Coupe.)
Coustal, René A., Saint-Maur, assignor to Société Anonyme Stella-Lux, Paris, France. Lighting by sustained luminescence. 2,117,544; May 17.
Covert, Lloyd W. (See Andrews, C. E., and Covert.)
Covert, Lloyd W., Philadelphia, and C. E. Andrews, Overbrook, assignors to Röhm & Haas Company, Philadelphia, Pa. Producing alcohol by the catalytic hydrogenation of esters of carboxylic acids. 2,118,007; May 17.
Cowles, Paul R., Oakland, Calif. Moving track. 2,117,790; May 17.
Cramer, Walter W., Rutherford, and G. C. Cummings, Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter system. 2,117,705; May 17.
Crapo, Frederick M., assignor to Indiana Steel & Wire Company, Muncie, Ind. Overhead electric transmission line. 2,118,008; May 17.
Creed and Company. (See Salmon, Reginald D., assignor.)
Cresswell, John A., and C. H. Leavell, Chicago, Ill. Spherical book. 2,117,946; May 17.
Crew, Leon E., Elmhurst, assignor to Delaware Floor Products, Inc., Wilmington, Del. Apparatus for face saturating porous materials in the manufacture of hard surface floor coverings. 2,117,840; May 17.

Crosby, Stephen T., Los Angeles, Calif. Toilet accessory. 2,117,403; May 17.
Cross Parking Systems, Inc. (See Buettell, Samuel E., assignor.)
Cuddeback, Hanford C., et al. (See Stevens, Roy, assignor.)
Cummings, George C. (See Cramer, W. W., and Cummings.)
Curtis Companies Incorporated. (See Bell, Forrest F., assignor.)
Curtis Companies Incorporated. (See Madsen, Sern, assignor.)
Curtis, Frederick G., assignor to Reeves Steel and Manufacturing Company, Dover, Ohio. Holder for twin pails. 2,117,405; May 17.
Curtis, Frederick G., assignor to Reeves Steel and Manufacturing Company, Dover, Ohio. Holder for twin pails. 2,117,404; May 17.
Curtis, Harry A., Knoxville, Tenn., and R. L. Copson, near Sheffield, Ala. Apparatus for producing phosphorus. 2,117,301; May 17.
Curtis, Myron S. (See Potter, W. W., and Curtis.)
Curtis, Myron S., assignor to W. W. Potter, Pawtucket, R. I. Machine tool. 2,118,020; May 17.
Curtis, Myron S., assignor to W. W. Potter, Pawtucket, R. I. Machine tool. 2,118,021; May 17.
Curtis, Myron S., assignor to W. W. Potter, Pawtucket, R. I. Machine tool. 2,118,022; May 17.
Curtis, Myron S., assignor to W. W. Potter, Pawtucket, R. I. Machine tool. 2,118,023; May 17.
Curtis, Myron S., assignor to W. W. Potter, Pawtucket, R. I. Machine tool, particularly of the hydraulic operated type. 2,118,025; May 17.
Curtis, Rowland G., assignor to Reeves Steel and Manufacturing Company, Dover, Ohio. Laundry unit. 2,117,406; May 17.
Cutting, Charles D., Detroit, Mich., assignor to The Cutting Sales & Engineering Corporation. Two bearing universal joint. 2,117,706; May 17.
Cutting Sales & Engineering Corporation, The. (See Cutting, Charles D., assignor.)
Dailey, Rollin C., assignor to Benjohn Laboratories, Inc., Detroit, Mich. Gas burner. 2,117,275; May 17.
Damsel, William B. and W. C., New York, N. Y. Dispenser. 2,117,791; May 17.
Damsel, William C. (See Damsel, William B. and W. C.)
Darman, Joseph, Utica, N. Y. Towel vending cabinet. 2,117,302; May 17.
Daudt, Herbert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye. 2,117,707; May 17.
Davis, Cortland W., Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Draw-off connection for heat-insulated containers. 2,117,276; May 17.
Davis, Kingsbury H., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for controlling signal transmission in two-way signaling systems. 2,117,708; May 17.
Davis, Walter T., assignor to Wheeling Stamping Company, Wheeling, W. Va. Tube and cap assembly. 2,117,407; May 17.
Davisson, Clinton J., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,117,709; May 17.
Dayton Steel Foundry Company, The. (See Walther, George, assignor.)
Deere & Company. (See Neighbour, Leonard B., assignor.)
Deghenghi, Milan, Vienna, Austria. Support for tubular tungsten filament lamps. 2,117,655; May 17.
De Lange, Cornelis, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electrolytic condenser. 2,117,792; May 17.
Delaware Floor Products, Inc. (See Crew, Leon E., assignor.)
De Minico, Robert H., Brookline, assignor to C. S. Walkup, Jr., Boston, Mass. Card holder. 2,117,545; May 17.
De Rome, Jean J., and L. R. Trepanier, Quebec, Quebec, Canada. Knob fastening device. 2,117,947; May 17.
Detroit Hydrostatic Brake Corporation. (See Sauzedde, Claude, assignor.)
Detroit Lubricator Company. (See Wile, D. D., and Campbell, assignors.)
Diamond Iron Works, Incorporated. (See Corsel, John, assignor.)
Dickey, Roy N., Seattle, Wash. Detachable pouring spout. 2,117,408; May 17.
Dimitman, Grace V., et al. (See Adams, Elwood J., assignor.)
Dinzl, Richard W., Narberth, Pa., assignor to Baldwin-Southwark Corporation. Constant leakage system for hydraulic apparatus. 2,117,303; May 17.
Dobroth, Albert C., Jr., Louisville, Ky. Multicolor printing. 2,117,546; May 17.
Dodge, Sherwood O., Medford, assignor to Guaranteed Parts, Inc., Allston, Mass. Electric feeler mechanism for looms. 2,117,304; May 17.
Doerseln, Paul, Paterson, N. J. Shuttle check. 2,117,793; May 17.
Donnellan, Myrtle L., Chicago, Ill. Garment hanger. 2,117,656; May 17.
Dorsey, John S., Wilmington, Del. Automobile seat. 2,117,409; May 17.
Douglas, Eula M. (See Douglas, John D. and E. M.)
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electric lighting device. 2,117,755; May 17.
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electric lighting device. 2,117,756; May 17.
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electric lighting device. 2,117,757; May 17.
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electric lighting device. 2,117,758; May 17.
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electric lighting device. 2,117,759; May 17.
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electric lighting device. 2,117,760; May 17.
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electric lighting device. 2,117,761; May 17.
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electric lighting device. 2,117,762; May 17.
Douglas, John D. and E. M., Tampa, Fla. Shade and curtain support. 2,117,547; May 17.
Dow Chemical Company, The. (See Bass, Shaller L., assignor.)
Dow Chemical Company, The. (See Britton, E. C., and Bass, assignors.)
Dow Chemical Company, The. (See Owens, J. S., Peake, and Fowler, assignors.)
Downs, Charles D. (See Saunders, H. F., and Downs.)
Drackett Company, The. (See Gangloff, W. C., and Hieronymus, assignors.)
Drennan, Harry E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Extracting and recovering volatile hydrocarbons from hydrocarbon gases. 2,117,548; May 17.
Duinker, Daniël M., and J. G. W. Mulder, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Ionic discharge tube. 2,117,794; May 17.
Dungler, Julien, Thann, France. Opening of textile fabrics from rope form. 2,117,603; May 17.
Dunn, William G., Clarinda, Iowa. Flexible form for masonry structures. 2,117,549; May 17.
Duntze, George D., assignor of one-half to H. C. Stoffregen, St. Louis, Mo. Sign. 2,117,710; May 17.
Du Pont, E. I., de Nemours & Company. (See Banigan, Thomas F., assignor.)
Du Pont, E. I. de Nemours & Company. (See Brill, J. L., and Plummer.)
Du Pont, E. I., de Nemours & Company. (See Daudt, Herbert W., assignor.)
Du Pont, E. I. de Nemours & Company. (See Jordan, H., and Rossander, assignors.)
Du Pont, E. I., de Nemours & Company. (See Siegel, Alfred, assignor.)
Du Pont, E. I., de Nemours & Company. (See Stallmann, Otto, assignor.)
Dyer, Joseph G., assignor to Continental Oil Company, Ponca City, Okla. Perforating casings in wells. 2,117,277; May 17.
Eames, William F., Pittsburgh, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Control system. 2,117,875; May 17.
Eastman Kodak Company. (See Brooker, L. G. S., and Keyes, assignors.)
Eastman Kodak Company. (See Figg, Louis J., Jr., assignor.)
Eastman Kodak Company. (See Flynn, E. P., and Robie, assignors.)
Eastman Kodak Company. (See Hickman, Kenneth C. D., assignor.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Nadeau, G. F., and Couch, assignors.)
Eastman Kodak Company. (See Nadeau, G. F., and Eilers, assignors.)
Eastman Kodak Company. (See Smith, Henry B., assignor.)
Eastman Kodak Company. (See Tischer, Arthur O., assignor.)
Eaton Manufacturing Company. (See Shaw, Clarence W., assignor.)
Echternach, Wilhelmina, Philadelphia, Pa. Making a dietician's implement. 2,117,876; May 17.
Eclipse Machine Company. (See Whitney, Maurice P., assignor.)
Economy Forms Company. (See Jennings, William A., assignor.)
Eilers, Louis K. (See Nadeau, G. F., and Eilers.)
Eisele, Julius. (See Koeberle, K., Scholz, and Eisele.)
Elsen, Jay B., Yonkers, and C. H. Rasmussen, assignors to Ferdinand Gutmann & Co., Brooklyn, N. Y. Crown cap spotting machine. 2,117,711; May 17.
Electrolux Corporation. (See Eriksson-Jons, Anders, assignor.)
Ellis, George H., New Brighton, assignor to The Insulite Company, Minneapolis, Minn. Wall. 2,117,763; May 17.
Erbach, Fred R., General Refrigeration Corporation, Beloit, Wis. Evaporative condenser. 2,117,411; May 17.





Erbach, Fred R., and R. H. Swart, assignors to General Refrigeration Corporation, Beloit, Wis. Portable air conditioner. 2,117,410; May 17.
Eriksen, Leif, Oslo, Norway. Producing designs in imitation of paintings. 2,117,795; May 17.
Eriksson-Jons, Anders, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,117,329; May 17.
Ernst, Herman. (See Flammang, J., Bowser, and Ernst.)
Evjen, Haakon M., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Gravimeter. 2,117,471; May 17.
Evans, Luke P., Swanwick, near Alfreton, England. Heating building. 2,117,712; May 17.
Eynon, Howard B., and M. C. Burr, assignors to Pure Carbon Company, Inc., St. Marys, Pa. Self-lubricating bearing. 2,117,550; May 17.
Feikert, Adrian H., assignor to American Anode Inc., Akron, Ohio. Protection of footwear and other articles. 2,117,305; May 17.
Feit & Tarrant Mfg. Co. (See Smith, A. J., and Coupe, assignors.)
Ferro Enamel Corporation. (See Robson, J. T., and Sylvester, assignors.)
Fessler, Julius H., Berkeley, and H. C. Johnson, Davis, assignors of one-third to Mt. Diablo Wine Association, Emeryville, Calif. Treating liquids. 2,117,604; May 17.
Figg, Louis J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Antiseptics. 2,117,796; May 17.
Flim Treatisor Corporation. (See Soman, Lester, assignor.)
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for applying pressure to shoe bottoms. 2,117,306; May 17.
Fisher, Jacob, Philadelphia, Pa. Roller bearing. 2,117,877; May 17.
Fitzgerald Manufacturing Company, The. (See Fitzgerald, Patrick J., assignor.)
Fitzgerald Manufacturing Company. (See Novey, W., and Tromba, assignors.)
Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Thickness indicator for papermaking machines. 2,117,841; May 17.
Flammang, John, and P. L. Bowser, University City, and H. Ernst, Pine Lawn, assignors to The Sterling Corporation, St. Louis, Mo. Making castings. 2,117,948; May 17.
Flick, Zeno E., Jackson, Mich., and J. R. Price and L. G. Seacat, Kansas City, Mo. Bearing packing. 2,117,472; May 17.
Floyd-Wells Company, The. (See Weston, Richard S., assignor.)
Flygare, Carl G. (See Silven, H. A., and Flygare.)
Flynn, Edward P., and G. F. Robie, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic paper punching machine. 2,117,797; May 17.
Food Machinery Corporation. (See Obermiller, Albert I., assignor.)
Forkois, Harold. (See Forkois, Joseph and H.)
Forkois, Joseph, South Ozone Park, N. Y., and H. Forkois, Washington, D. C. Valve mechanism. 2,117,551; May 17.
Foster, Charles M. (See Hill, Tom F., assignor.)
Fountain, Lawrence L. (See West, C. P., Harder, and Fountain.)
Fowler, Albert A., North Hollywood, and R. M. Otis, Pasadena, Calif. Making light-weight molded material. 2,117,605; May 17.
Fowler, Richard G. (See Owens, J. S., Peake, and Fowler.)
Frank, Harrison J. L., and J. A. Messing, Detroit, Mich. Trolley and current collector means. 2,117,552; May 17.
Frank, William H., and J. W. Harper, Detroit, Mich. Electrical distribution system. 2,117,307; May 17.
Freeman, Walter B., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tension device. 2,117,412; May 17.
French, George F., Manchester, England. Curtain suspension and curtain reeving appliance. 2,117,606; May 17.
Frey, Frank W., assignor to Superior Fastener Corporation, Chicago, Ill. Connecter. 2,117,308; May 17.
Fridén, John H., Maplewood, assignor to The Sun Tube Corporation, Hillside, N. J. Collapsible tube finishing machine. 2,117,713; May 17.
Friedemann, Paul E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Guide control means for web material. 2,117,878; May 17.
Fritsch, Lewis A., Cincinnati, Ohio. Belt support. 2,117,309; May 17.
Funk, Herbert T., Pittsburgh, Pa. Adjustable curtain holder. 2,117,714; May 17.
Fye, William A., assignor to McLanahan & Stone Corporation, Hollidaysburg, Pa. Washer. 2,117,553; May 17.
Fyler, George W., Schenectady, N. Y., assignor to General Electric Company. Amplifier neutralising system. 2,117,949; May 17.
Gagnier, George E. (See Place, Bion C., assignor.)
Galligan, James J. (See Robinson, W. J., and Galligan.)
Gangloff, Wilmer C., and R. H. Hieronymus, assignors to The Drackett Company, Cincinnati, Ohio. Silver tarnish inhibitor. 2,117,657; May 17.
Garbsch, Paul. (See Krzikalla, H., and Garbsch.)
Garrott, John C., Houston, Tex. Fan unit. 2,117,310; May 17.
Gascoigne, George H., Queensmere, Wokingham, and J. R. Knox, Reading, England. Railing and the like. 2,117,798; May 17.
Gates, Henry S., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. 2,117,879; May 17.
Gathmann, Emil, Baltimore, assignor to Gathmann Research Incorporated, Catonsville, Md. Apparatus for stripping ingots from molds. 2,117,311; May 17.
Gathmann Research Incorporated. (See Gathmann, Emil, assignor.)
Gauly, Edward, Cleveland, Ohio. Surgical instrument. 2,117,312; May 17.
Gemeinert, Horst. (See Korting, Walter, assignor.)
General Aniline Works, Inc. (See Hopff, H., and Steinbrunn, assignors.)
General Aniline Works, Inc. (See Koeberle, K., Muenster, and Schneider, assignors.)
General Aniline Works, Inc. (See Koeberle, K., Scholz, and Eisele, assignors.)
General Aniline Works, Inc. (See Koeberle, K., and Schlichting, assignors.)
General Aniline Works, Inc. (See Kollmann, T., and Glietenberg, assignors.)
General Aniline Works, Inc. (See Krzikalla, H., and Garbsch, assignors.)
General Aniline Works, Inc. (See Mieg, Walter, assignor.)
General Aniline Works, Inc. (See Paquin, M., and Braun, assignors.)
General Aniline Works, Inc. (See Reddelien, G., and Matthaeus, assignors.)
General Electric Company. (See Bany, Herman, assignor.)
General Electric Company. (See Safford, Moyer M., assignor.)
General Electric Company. (See Clark, Frank M., assignor.)
General Electric Company. (See Fyler, George W., assignor.)
General Electric Company. (See Koch, Kurt, assignor.)
General Electric Company. (See Muchow, Albert J., assignor.)
General Electric Company. (See Okawa, C., and Wada, assignors.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Electric Company. (See Zurcher, Ernest, assignor.)
General Electric Company Limited. (See Chubb, Alexander A., assignor.)
General Electric Company Limited. (See Chubb, A. A., and Smart, assignors.)
General Electric Company Limited, The. (See Prinz, Dietrich G., assignor.)
General Motors Corporation. (See Huey, Henry, assignor.)
General Motors Corporation. (See Pontis, W. G., Chryst, Kindl, and Kunkle, assignors.)
General Motors Corporation. (See Summers, Otto M., assignor.)
General Motors Corporation. (See Watt, William W., assignor.)
General Motors Corporation. (See Wolcott, Glenn W., assignor.)
General Refrigeration Corporation. (See Erbach, Fred R., assignor.)
General Refrigeration Corporation. (See Erbach, F. R., and Swart, assignors.)
General Soya Corporation. (See Gössel, Fritz, assignor.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
George, Joseph F., Gustine, Calif. Milking pail. 2,117,799; May 17.
George, Roscoe H., West Lafayette, Ind., assignor to Radio Corporation of America. Electrode. 2,117,842; May 17.
Gibson, Milo S., assignor to R. W. Lotz, Chicago, Ill. Knock-down window guard structure. 2,117,950; May 17.
Gilliam, Thomas B., Miami, Fla. Ice making method and apparatus. 2,117,658; May 17.
Gilmore, Howard, Brookline, Mass. Decimal point indicating mechanism for slide rule computations. 2,117,413; May 17.
Gilston, Jacob. (See Schlanger, B., and Gilston.)
Girardin, Louis, Zola-Saint Ouen, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Signaling apparatus more particularly for railways. 2,117,313; May 17.
Glab, William N., assignor to Morrison Brothers Company, Dubuque, Iowa. Cap and adapter for same. 2,117,473; May 17.
Glass, Hugh B., assignor, by mesne assignments, to T. Swann, Birmingham, Ala. Producing isopulegol. 2,117,414; May 17.

Glenn, Russell P., Abilene, Tex. Rotary steam engine. 2,117,951; May 17.
Glidden Company, The. (See Bosley, David A., Jr., assignor.)
Glietenberg, Eugen. (See Kollmann, T., and Glietenberg.)
Globe Oil Tools Company. (See Howard, J. H., and Catland, assignors.)
Globe-Union Inc. (See Coldwell, J. S., and Zimmerman, assignors.)
Gobatti, Edmond F., Pueblo, assignor to National Cable, Inc., Pueblo, Colo. Pipe cleaning device. 2,117,659; May 17.
Goddard, Arthur L., Chicago, Ill. Magnetic reciprocating hammer. 2,117,880; May 17.
Goehler, Elmer E., Portland, Oreg. Fuel oil burner. 2,117,881; May 17.
Godfried, Hiram J., Milwaukee, Wis. Lock and latch. 2,117,715; May 17.
Goetz, Maurus T., and H. W. Hudson, Chicago, Ill., assignors, by mesne assignments, to Teletypesetter Corporation. Control mechanism for linecasting and composing machines. 2,117,474; May 17.
Going, Russell S., Berlin, Vt. Display device. 2,117,882; May 17.
Goldfield, Edwin R., University Heights, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray apparatus. 2,117,660; May 17.
Goodall Worsted Company. (See Greenwood, Kendall T., assignor.)
Goodrich, B. F., Company, The. (See Alexander, Claude H., assignor.)
Goodrich, B. F., Company, The. (See Freeman, Walter B., assignor.)
Goodrich, B. F., Company, The. (See Hajoway, Mary, assignor.)
Goodrich, B. F., Company, The. (See Mathes, Roger A., assignor.)
Goodrich, Thomas M., Albany, N. Y. Gas holder. 2,117,314; May 17.
Gordon, Hiram, and A. C. Rogge, Columbus, Ohio, assignors to Lock-On Heel Company, Chicago, Ill. Securing heels to shoes. 2,117,475; May 17.
Gordy, Frances J. (See Gordy, George B., Jr., assignor.)
Gordy, George B., Jr., assignor of one-half to F. J. Gordy, Los Angeles, Calif. Pumping unit. 2,117,716; May 17.
Goss, Oliver P. M. and W. C., Seattle, assignors to Carlisle Lumber Company, Onalaska, Wash. Making fuel briquettes. 2,117,415; May 17.
Goss, Worth C. (See Goss, O. P. M., and Goss.)
Gösel, Fritz, Frankfort-on-the-Main, Germany, assignor to General Soya Corporation, New York, N. Y. Treating soy beans. 2,117,315; May 17.
Gould & Eberhardt. (See Zimmermann, William F., assignor.)
Gourdou, Charles E. P., Le Parc Saint-Maur, France. Inhaling equipment. 2,117,952; May 17.
Grau, Pedro, Miami, Fla. Adjustable louver blind. 2,117,953; May 17.
Gray Tool Company. (See Mueller, R. A., and Yancey, assignors.)
Great Western Electro-Chemical Company. (See Allen, Glenn L., Jr., assignor.)
Green, Charles W., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency selective circuits. 2,117,843; May 17.
Green, William R. (See Ibbetson, S. F., and Green.)
Greenwood, Kendall T., assignor to Goodall Worsted Company, Sanford, Maine. Tufted fabric and making the same. 2,117,954; May 17.
Gregson, Dorothy. (See Mitchell, Earl A., assignor.)
Grieco, Rocco F., Millburn, N. J. Dental instrument. 2,117,844; May 17.
Griffith Laboratories, Inc., The. (See Hall, Lloyd A., assignor.)
Griswold, Roger W., II, Old Lyme, assignor to United Aircraft Corporation, East Hartford, Conn. Slotted deflector flap. 2,117,607; May 17.
Guaranteed Parts, Inc. (See Dodge, Sherwood O.)
Guett, Monroe. (See Schleicher, H. E., and Guett.)
Gullberg, John S., Chicago, Ill. Window lock. 2,117,316; May 17.
Gump, B. F. Company. (See Hazle, Albert J., Jr., assignor.)
Gunnlaugsson, Skúli, Rio Vista, Calif. Tobacco pipe. 2,118,026; May 17.
Gutmann, Ferdinand, & Co. (See Eisen, J. B., and Rasmussen, assignors.)
Haas, Lucien L., assignor to Buffalo Pressed Steel Company, Buffalo, N. Y. Tubular connecter. 2,117,955; May 17.
Haddock, Norman H., and F. Lodge, Blackley, Manchester, England, assignors to Imperial Chemical Industries, Limited. Anthraquinone dyestuffs and their manufacture. 2,117,476; May 17.
Hagen, Harold F., Dedham, assignor to B. F. Sturtevant Company, Boston, Mass. Centrifugal fan. 2,117,416; May 17.
Hajoway, Mary, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Plaited rubber article and making the same. 2,117,418; May 17.
Hakenjos, Frederick M., and C. B. Lister, assignors to National Rifle Association, Washington, D. C. Bullet hole gauge. 2,117,317; May 17.
Hale, William J., Washington, D. C. Manufacture of organic anhydrides. 2,117,554; May 17.
Hall, John R., assignor to United States Air Conditioning Corporation, Minneapolis, Minn. Ventilating system. 2,117,477; May 17.
Hall, Judd B. (See Hall, Samuel S. and J. B.)
Hall, Lloyd A., assignor to The Griffith Laboratories, Inc., Chicago, Ill. Curing of meats and the like. 2,117,478; May 17.
Hall, Samuel S. and J. B., assignors to The Surety Rubber Company, Carrollton, Ohio. Static resisting glove. 2,117,417; May 17.
Hallett, Alfred, Los Angeles, Calif. Air compressor unit. 2,117,479; May 17.
Halliburton Oil Well Cementing Company. (See Hanes, Dean, assignor.)
Hamm, James I., Fairfield, assignor to The Bridgeport Coach Lace Company, Incorporated, Bridgeport, Conn. Finishing molding for upholstering. 2,117,883; May 17.
Hammack, George W., Richmond, Va. Separator. 2,117,845; May 17.
Hammel Oil Burning Equipment Company. (See Woolley, Bradford G., assignor.)
Hampton Company. (See McConnell, Thomas, assignor.)
Hamrick, Marie M., and F. B. Spence, New York, N. Y. Insect exterminator, sterilizer, and drier. 2,117,419; May 17.
Hanes, Dean, assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Casing float collar. 2,117,318; May 17.
Hapman, Henry W., Detroit, Mich. Bracket for electric lamps. 2,117,884; May 17.
Harden, George N., Marion, Ohio. Door handle and lock. 2,117,420; May 17.
Harder, Edwin L. (See West, C. P., Harder, and Fountain.)
Harder Refrigerator Corporation. (See Merrill, Harry L., assignor.)
Harmon, Robert E., Chicago, Ill. Bolt. 2,117,717; May 17.
Harper, Joseph W. (See Frank, W. H., and Harper.)
Harrison, Thomas R., Wyncote, and F. W. Side, assignors to The Brown Instrument Company, Philadelphia, Pa. Fluid pressure control apparatus. 2,117,800; May 17.
Hart, Richard H., New Orleans, La. Parachute apparatus. 2,117,319; May 17.
Harvey, Frank, Cincinnati, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Power distribution. 2,117,480; May 17.
Hásek, Jaroslav, Prague, Czechoslovakia. Firearm. 2,117,885; May 17.
Haselton, Merton L., Rye, assignor, by mesne assignments, to The Teleregister Corporation, New York, N. Y. Electrical indicating means. 2,117,661; May 17.
Haupt, Milton R., Shamokin, Pa. Picker-stick buffer. 2,117,956; May 17.
Hawley, Charles G., assignor to Centrifix Corporation, Cleveland, Ohio. Tar extractor and the like. 2,117,718; May 17.
Hawley, Orrin E., Dallas, Tex. Awning. 2,117,320; May 17.
hayward, Arthur S., Altrincham, assignor to Linotype and Machinery Limited, London, England. Assembler mechanism of typographical composing machines. 2,117,555; May 17.
Hasle, Albert J., Jr., assignor to B. F. Gump Company, Chicago, Ill. Treating coffee and preserving its flavor. 2,118,010; May 17.
Heino, Rudolph, Mokomon, Ontario, Canada. Lumber saw sharpener. 2,117,801; May 17.
Heinze Development Company. (See Heinze, John O., assignor.)
heinze, John O., assignor to Heinze Development Company, Detroit, Mich. Engine assembly. 2,117,662; May 17.
Heller, Hayes F., Williamsport, assignor of one-half to H. C. Ritter, Jersey Shore, Pa. Exercising device. 2,117,957; May 17.
Henderson, Donald, Bremerton, Wash. Mechanical movement for motor coasters. 2,117,886; May 17.
Hercules Powder Company. (See Rankin, Lanning P., assignor.)
Hershey, Herbert T., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Stripper for drum driers. 2,117,958; May 17.
Hertzberg, Harry, Brooklyn, N. Y. Light dimming fixture. 2,117,608; May 17.
Hickman, Kenneth C. D., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Distillation process. 2,117,802; May 17.
Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Vacuum distillation process. 2,117,803; May 17.
Hicks, Raymond M., Plainfield, N. J., and E. R. Leroy, assignors to The Teleregister Corporation, New York, N. Y. Decoder and regenerative repeater. 2,117,804; May 17.
Hieronymus, Russell H. (See Gangloff, W. C., and Hieronymus.)
Hill, Rowland, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of new polymerization products. 2,117,321; May 17
Hill, Tom F., Culleoka, assignor of one-half to C. M. Foster, Lynnville, Tenn. Closet seat cover operator. 2,117,663; May 17.





Hillebrand, Earl, assignor to American Gas Machine Company, Inc., Albert Lea, Minn. Temperature control system for ovens heated by hydrocarbon burners. 2,117,556; May 17.
Hilliman, Carl J., Spokane, Wash. Shock absorber for fishing lines. 2,117,322; May 17.
Hilpman, John H., Springfield Gardens, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 2,117,557; May 17.
Hinckley-Myers Company. (See Price, Arthur E., assignor.)
Hines, Claude M., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch controlling apparatus. 2,117,323; May 17.
Hoefling Bros., Inc. (See Hoefling, John W., assignor.)
Hoefling, John W., assignor to Hoefling Bros. Inc., Sacramento, Calif. Proportional feeder. 2,117,805; May 17.
Hoffman-La Roche, Inc. (See Warnat, Kurt, assignor.)
Holden, William C., Ossining, assignor to Carter Carburetor Corporation, New York, N. Y. Throttle valve control means. 2,117,421; May 17.
Holland Brass Works. (See Liska, William F., assignor.)
Holland, Henry, Cleveland, Ohio. Self-cleaning drainage intake. 2,117,887; May 17.
Holmes, Glenn E., assignor to Mexican American Hat Company, St. Louis, Mo. Adjustable helmet sweat. 2,117,764; May 17.
Holmes, Oscar J., Chicago, Ill. Mechanism for causing intermittent film movement. 2,117,806; May 17.
Holst, Poul F. G., Audubon, N. J., assignor to Radio Corporation of America. Automatic volume control system. 2,117,664; May 17.
Holthouse, Harry B., Chicago, Ill. Ignition circuit. 2,117,422; May 17.
Hoover Company, The. (See Sellers, William D., assignor.)
Hopff, Heinrich, and G. Steinbrunn, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Ketone-nitrile condensation products. 2,117,720; May 17.
Horner, Arthur C. (See Myer, J. E., and Horner.)
Hornickel, Richard, Finkenkrug, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 2,117,721; May 17.
Hotchkiss, E. H., Company, The. (See Poiser, Fridolin, assignor.)
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,117,324; May 17.
Houde Engineering Corporation. (See Casper, Anthony B., assignor.)
Howard, Cecil D., Swarthmore, and F. R. Maxwell, Rose Valley, assignors to Sun Shipbuilding and Dry Dock Company, Chester, Pa. Valve mechanism for internal combustion engines, compressors, and the like. 2,117,325; May 17.
Howard, John H., Huntington Park, and A. C. Catland, Alhambra; said Catland assignor to Globe Oil Tools Company, Los Nietos, Calif. Rock core drill head. 2,117,481; May 17.
Howell, William, Warren, Ohio. Gas sealing box construction for heat treatment and the like. 2,117,423; May 17.
Hudson, Harold W. (See Goetz, M. T., and Hudson.)
Huey, Henry, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,117,424; May 17.
Huggins, Owen R., South Norwalk, Conn., assignor to Photo-Cylinder Corporation. Printing cylinder. 2,117,722; May 17.
Hughes, Guy N., Gadsden, Ala. Sheet opening machine. 2,117,665; May 17.
Hughes, Raymond L., Baltimore, Md. Impression tray. 2,117,666; May 17.
Hulbert, George E. (See Indge, H. S., and Hulbert.)
Hunt, Rodney, Machine Company. (See Carpenter, John S., assignor.)
Hunter, Harry C., Chicago, Ill., assignor to American Bridge Company. Cable wrapping machine. 2,117,959; May 17.
Hutton, Gerald H., London, England. Dredge. 2,117,326; May 17.
Hyatt, Robert J., assignor to R. J. Reynolds Tobacco Company, Winston-Salem, N. C. Extracting nicotine from tobacco. 2,117,558; May 17.
Hygrade Sylvania Corporation. (See Bennett, Richard G., assignor.)
Hysko, John L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph repeater. 2,117,723; May 17.
I. G. Farbenindustrie Aktiengellschaft. (See Kiesskalt, S., and Meier, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Mauthe, G., and Noerr, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Osswald, Philipp, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Seyb, Erich, assignor.)
Ibbetson, Samuel F., Thaxted, and W. R. Green, Eltham, London, England, assignors to Kirsch Company, Sturgis, Mich. Apparatus for bending metal tubes and like hollow bodies. 2,117,724; May 17.
Ihm, Ivan F., and C. F. Tuttle, Richmond, assignors to Standard Oil Company of California, San Francisco, Calif. Boring machine. 2,117,327; May 17.
Imperatore, Arthur E., New York, N. Y. Book protector. 2,117,559; May 17.
Imperial Chemical Industries Limited. (See Burchill, John, assignor.)
Imperial Chemical Industries Limited. (See Haddock, N. H., and Lodge, assignors.)
Imperial Chemical Industries Limited. (See Hill, Rowland, assignor.)
Imperial Chemical Industries Limited. (See Knight, Arthur H., assignor.)
Indge, Herbert S., and G. E. Hulbert, Westboro, assignors to Norton Company, Worcester, Mass. Footstock for cam lapping machines. 2,117,960; May 17.
Indiana Steel & Wire Company. (See Crapo, Frederick M., assignor.)
Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)
Ingersoll-Rand Company. (See Seawright, R. M. (Robert M. F. Seawright), assignor.)
International Nickel Company, The. (See Bieber, C. G., and Buck, assignors.)
International Patents Development Company. (See Middleton, Herbert T., assignor.)
Isaacs, Moses H., et al., executors. (See Molins, Walter E.)
Isaacson Works, Inc. (See Allin, George S., assignor.)
Jacobi, William H., Wilkinsburg, Pa., and I. A. Yost, Lakewood, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrode feeding mechanism for searchlights. 2,117,888; May 17.
Jaeckel, Herbert, Berlin-Britz, Germany, assignor to R. Lindemann, New York, N. Y. Window cleaning device. 2,118,009; May 17.
Jansa, Frantisek, Prague, Czechoslovakia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Power transmission system. 2,117,889; May 17.
Jay, Edward G., Mansfield, Mass. Apparatus for transfer of heat. 2,117,961; May 17.
Jean, James W., Altadena, Calif. Motor fuel. 2,117,609; May 17.
Jean, James W., Altadena, Calif. Motor fuel. 2,117,610; May 17.
Jennings, William A., assignor to Economy Forms Company, Des Moines, Iowa. Mold form apparatus. 2,117,560; May 17.
Jerram, Arthur E., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe bottom pressing machine. 2,117,328; May 17.
Jesser, Albert E., Butler, assignor to Pittsburgh Steel Drum Company, Pittsburgh, Pa. Gasket closure. 2,117,807; May 17.
Jobert, Arthur H. (See Montgomery, D. H., and Jobert.)
Johnson & Bassett, Inc. (See Williams, C. E., and Anderson, assignors.)
Johnson Bronze Company. (See Sandler, Louis, assignor.)
Johnson, Ewald E., St. Charles, assignor to Reliable Electric Company, Chicago, Ill. Electric wire or cable clamp. 2,117,725; May 17.
Johnson, Ewald, Detroit, Mich. Utility doll. 2,117,962; May 17.
Johnson, Fay G. (See Watson, Charles B., assignor.)
Johnson, Harry C. (See Fessler, J. H., and Johnson.)
Johnson, Roy W., and T. A. Wetzel, assignors to Automatic Products Company, Milwaukee, Wis. Valve. 2,117,726; May 17.
Johnson, William F. B., Philadelphia, Pa. Lamp shade. 2,117,890; May 17.
Johnson, William V., Washington, D. C. Book holder. 2,117,667; May 17.
Johnson, William V., Washington, D. C. Book holder. 2,117,668; May 17.
Johnston, Howard A., Toronto, Ontario, Canada. Vegetable peeling machine. 2,117,765; May 17.
Jones, Charles F., Burlingame, Calif. Controlling printing lights. 2,117,727; May 17.
Jones, George F. (See Chamier, J. A., and Jones.)
Jones, Linus H., Amherst, Mass., assignor to W. B. Jones, Chicago, Ill. Article for plant nutrition. 2,117,808; May 17.
Jones, W. Bartlett. (See Jones, Linus H., assignor.)
Jones, William. (See Mudd, Thomas A., assignor.)
Jordan, Henry, and S. S. Rossander, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes. 2,117,425; May 17.
Jordan, Henry, and S. S. Rossander, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes. 2,117,426; May 17.
Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method and machine for use in shaping uppers over lasts. 2,117,330; May 17.
Jorgensen, Jacob C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,117,331; May 17.
Kalbreier, Robert J., Chicago, Ill. Speed control. 2,117,963; May 17.
Kalin, Albert, assignor to Woodward Governor Company, Rockford, Ill. Governor. 2,117,891; May 17.
Kalvin, Louis, New York, N. Y. Dental impression tray and holder. 2,117,846; May 17.
Kaminski, Francis J. (See Misewicz, W. J., and Kaminski.)

Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sprocket-driven belt. 2,117,611; May 17.

Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loop-forming and attaching device. 2,117,964; May 17.

Katcher, Morris, New York, N. Y. Driven member for friction clutches. 2,117,728; May 17.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle frame for looms. 2,117,612; May 17.

Kaufmann, Minnie S. (See Kaufmann, Raymond M., assignor.)

Kaufmann, Raymond M., assignor to M. S. Kaufmann, Pittsburgh, Pa. Ice cream freezer. 2,117,332; May 17.

Keaton, Clyde D., Long Island City, assignor to S. S. Tumbridge, New York, N. Y. Electric coffee maker. 2,117,729; May 17.

Kellogg Compressor and Manufacturing Corporation. (See Browne, Lindsay H., assignor.)

Kennedy, James W., W. P. Ramsey, and M. W. Lee, Oklaunion, assignors of one-fourth to said Kennedy, one-fourth to said Ramsey, one-fourth to Lee and Morris, and one-fourth to M. K. Berry, Vernon, Tex. Two-row lister furrow blocker. 2,117,669; May 17.

Ketay, Morris F., Brooklyn, N. Y., and J. D. Peterson, Roselle, N. J., assignors to Bendix Aviation Corporation, South Bend, Ind. Salinity indicator. 2,117,670; May 17.

Keyes, Grafton H. (See Brooker, L. G. S., and Keyes.)

Kiesskalt, Siegfried, Frankfort-on-the-Main-Hochst, and W. Mejer, Bad Soden, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Grinding device. 2,117,965; May 17.

Kilborn, Lawrence, New York, N. Y. Changeable exhibitor. 2,117,613; May 17.

Killy, Earl, Toledo, Ohio, assignor to Libbey Glass Company. Method and apparatus for stenciling articles. 2,117,427; May 17.

Kindl, Carl H. (See Pontis, W. H., Chryst, Kindl, and Kunkle.)

King, Bert W., Detroit, Mich. Scale. 2,117,847; May 17.

King, Harry C., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and making it. 2,117,333; May 17.

Kingston Products Corporation. (See Douglas, Harry A., assignor.)

Kirsch Company. (See Ibbetson, S. F., and Green, assignors.)

Kilx, Hugo C., assignor to W. C. Lipe Inc., Syracuse, N. Y. Clutch-lever plate. 2,117,482; May 17.

Knapp-Monarch Company. (See Smith, Howard A., assignor.)

Knight, Arthur H., Blackley, England, assignor to Imperial Chemical Industries Limited. Monoazo dyestuffs and their production. 2,117,334; May 17.

Knox, Joseph R. (See Gascoigne, G. H., and Knox.)

Koch, Kurt, Eichwalde, near Berlin, Germany, assignor to General Electric Company. Circuit breaker. 2,117,892; May 17.

Koch, Oscar W., Fort Riley, Kans. Scale pencil holder. 2,117,335; May 17.

Koeberle, Karl, H. Schols, and J. Eisele, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of fast dyeings. 2,117,614; May 17.

Koehler, Christopher L. (See Schock, C. R., and Koehler.)

Koeberle, Karl, and O. Schlichting, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. High-molecular organic compounds. 2,117,730; May 17.

Koeberle, Karl, W. Muenster, and W. Schneider, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Esters of leucoacylamino-anthrapyrimidines. 2,117,431; May 17.

Kollmann, Theodor, Leverkusen, and E. Glietenberg, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs. 2,117,731; May 17.

Körting, Walter, Landsberg (Warthe), assignor to Horst Gemeinert, Seifersdorff, near Soran, Germany. Method of and device for shaping shoe uppers. 2,117,732; May 17.

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Skid preventing device. 2,117,766; May 17.

Kramar, Ernst, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Direction finding method. 2,117,848; May 17.

Krebs, Henry, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,117,433; May 17.

Krebs, Henry, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,117,434; May 17.

Krogh, Anker E., assignor to The Brown Instrument Company, Philadelphia, Pa. Instrument closure plate. 2,117,615; May 17.

Krug, Ludwig, New York, N. Y. Trick device. 2,117,809; May 17.

Krsikalla, Hans, and P. Garbsch, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 2,117,733; May 17.

Kšír, Karel. (See Löbl, K., and Kšír.)

Kunkle, Bayard D. (See Pontis, W. G., Chryst, Kindl, and Kunkle.)

Küppenbender, Heinz, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic camera. 2,117,428; May 17.

Küppenbender, Heinz, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Camera. 2,117,429; May 17.

Lampl, Walter, New York, N. Y. Vanity case. 2,117,671; May 17.

Lamson & Sessions Company, The. (See Strayer, Lawrence H., assignor.)

Langstroth, Clifford B., Plainfield, N. J. Machine for use in manufacturing boiler shells. 2,117,435; May 17.

Lear, Earl B., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Rock drill with blowing device. 2,117,810; May 17.

Leavell, Charles H. (See Cresswell, J. A., and Leavell.)

Lee and Morris, et al. (See Kennedy, J. W., Ramsey, and Lee, assignors.)

Lee, Marrion W. (See Kennedy, J. W., Ramsey, and Lee.)

Leeds, Winthrop M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oil circuit breaker. 2,117,893; May 17.

Leipold, Albin, and A. Boehm, Rochester, N. Y. Electric head lamp. 2,117,967; May 17.

Leitz, Ernst, G. m. b. H. (See Becker, Helmut, assignor.)

Leitz, Ernst, G. m. b. H. (See Leitz, Ludwig, assignor.)

Leitz, Ernst, G. m. b. H. (See May, Erwin, assignor.)

Leitz, Ludwig, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Exposure meter. 2,117,734; May 17.

Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Remote metering system. 2,117,894; May 17.

Lenge, Rocco S., et al. (See Pool, Austin R., assignor.)

Leroy, Everett R. (See Hicks, R. M., and Leroy.)

Lester, Paul S., East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Getter. 2,117,735; May 17.

Levenstein, Irving I., Brooklyn, N. Y. Fish race apparatus. 2,117,616; May 17.

Lewellen, Darcy E., and E. F. Lewellen, Columbus, Ind. Variable speed device. 2,117,483; May 17.

Lewellen, Darcy E., and E. F. Lewellen, Columbus, Ind. Speed synchronising device. 2,117,484; May 17.

Lewellen, Darcy E., and E. F. Lewellen, Columbus, Ind. Variable speed device. 2,117,485; May 17.

Lewellen, Darcy E., and E. F. Lewellen, Columbus, Ind. Variable speed transmission. 2,117,486; May 17.

Lewellen, Emmons F. (See Lewellen, Darcy E. and E. F.)

Lewers, George R., Brooklyn, assignor, by mesne assignments, to Underpinning Foundation Company, Inc., New York, N. Y. Incineration. 2,117,487; May 17.

Lewis Bolt & Nut Company. (See Burnett, Clarence M., assignor.)

Lewis, John C. (See Babbitt, A. W., and Lewis.)

Libbey Glass Company. (See Killy, Earl, assignor.)

Lindblom, Frank W., Cranston, R. I., assignor to Welsh Manufacturing Company. Spectacle temple mounting. 2,117,436; May 17.

Lindemann, Roland. (See Jaeckel, Herbert, assignor.)

Lindsley, Edward A., Sycamore, assignor to National Electric Screen Co., Chicago, Ill. Electrocuting trap. 2,117,767; May 17.

Line Material Company. (See Steinmayer, A. G., and Smythe, assignors.)

Linhard, Howard V., Detroit, Mich. Draft regulator. 2,117,672; May 17.

Link, Julius C., Brooklyn, N. Y. Gem setting. 2,117,736; May 17.

Linotype and Machinery Limited. (See Hayward, Arthur S., assignor.)

Linotype and Machinery Limited. (See Scott, Richard H., assignor.)

Linscott, Chester E., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Process and apparatus for impregnating fibrous sheet material. 2,117,432; May 17.

Lipe, W. C., Inc. (See Klix, Hugo C., assignor.)

Lipe, W. C., Inc. (See Spase, Charles B., assignor.)

Lisbon, Joseph C., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,117,336; May 17.

Liska, William F., Chicago, Ill., assignor, by mesne assignments, to Holland Brass Works. Prayer rail. 2,117,430; May 17.

Lister, Charles B. (See Hakenjos, F. M., and Lister.)

Littlefield, George D., Searsport, Maine. Safety attachment for automobiles. 2,117,617; May 17.

Löbl, Karel, and K. Kšír, Prague, Czecho-Slovakia. Evaporator. 2,117,337; May 17.

Lobl, Frederick, Middleboro, Mass. Cord-type electric switch. 2,117,966; May 17.

Lock-on Heel Company. (See Gordon, H., and Rogge, assignors.)

Lodge, Frank. (See Haddock, N. H., and Lodge.)

Logan Gear Company, The. (See Van Meter, Morton, assignor.)

Lohn, Peter, New York, N. Y. Coin controlled dispensing apparatus. 2,117,437; May 17.





Lomax, Clarence E., Oak Park, and J. H. Voss, Downers Grove, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling system. 2,117,488; May 17.

Lorenz C., Aktiengesellschaft. (See Kramar, Ernst, assignor.)

Lorenz C., Aktiengesellschaft. (See Scheppmann, Wilhelm, assignor.)

Lotz, Rudolph W. (See Gibson, Milo S., assignor.)

Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Quick take-up mechanism for hand brakes. 2,117,338; May 17.

Lowe, Charles B., assignor to The Yale & Towne Manufacuring Company, Stamford, Conn. Switch lock. 2,118,012; May 17.

Luminor Electric Company. (See Wojtkowiak, Hans, assignor.)

Lurie, Benjamin S. (See Bigelow, Harry K., assignor.)

Lutherer, Otto, assignor to The North American Manufacturing Company, Cleveland, Ohio. Gas burner. 2,117,968; May 17.

Lyxholm, Alf, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Hydraulic transmission. 2,117,673; May 17.

Mabry, Forrest S., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Transmission system. 2,117,895; May 17.

MacDonald, Elizabeth P., and N. W. Stenglein, Saginaw, Mich. Cleaning composition. 2,117,438; May 17.

MacLean, Allen D., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Pressure compensating register for gas meters. 2,117,341; May 17.

Madsen, Sern, assignor, by mesne assignments, to Curtis Companies Incorporated, Clinton, Iowa. Flat slab construction. 2,117,489; May 17.

Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)

Maloczay, Francis X., Upper Saddle River, N. J. Machine for applying decalcomanias. 2,117,618; May 17.

Mantle Lamp Company of America, The. (See Davis, Cortland, W., assignor.)

Mants, Aloysius F., Los Angeles, Calif. Spring sash balance. 2,117,896; May 17.

Manzano, Felix H., Buenos Aires, Argentina. Pencil. 2,117,439; May 17.

Marble, B. L., Chair Company, The. (See Parker, Clyde H., assignor.)

Marchant Calculating Machine Company. (See Mathi, Walter E., assignor.)

Marinsky, Davis, Bronx, assignor to Whitehall Patents Corporation, New York, N. Y. Die cast separable fastener. 2,117,897; May 17.

Marsch, Louis, Morrisonville, Ill. Trailer hitch. 2,117,562; May 17.

Marshall, Donald E., Palos Verdes Estates, Calif. Speed indicating device for vehicles. 2,117,440; May 17.

Marvin, John T. (See Matthews, B. L., and Marvin.)

Mason-Lennen Company, The. (See Wetherell, Leslie O., assignor.)

Master-Craft Corporation. (See Allyn, Leon L., assignor.)

Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacture of ammonium dithiocarbamate. 2,117,619; May 17.

Mathi, Walter E., Oakland, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,117,620; May 17.

Matthaeus, Georg. (See Reddelien, G., and Matthaeus.)

Matthews, Birchard L., Cleveland, and J. T. Marvin, Fairview Village, assignors to The Patrol Valve Company, Cleveland, Ohio. Gas valve. 2,118,013; May 17.

Matthey & Braendle. (See Weber, Ernst, assignor.)

Maurer, Albrecht, assignor to Firm P. I. V. Ketten und Getriebe G. m. b. H., Bad Homburg v. d. Hohe, Germany. Stepless change gear. 2,117,340; May 17.

Mauser-Werke A.-G. (See Seidel, Alex, assignor.)

Mauthe, Gustav, and H. Noerr, Leverkusen-I. G. Werk, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Tanning. 2,117,811; May 17.

May, Erwin, assignor to Ernst Leitz, G. m. b. H., Wetzler, Germany. Illuminating means for projection apparatus. 2,117,737; May 17.

Maxwell, Frank R. (See Howard, C. D., and Maxwell.)

Mazzola, Antonino, Jefferson, Tex. Hair curling clamp. 2,117,490; May 17.

McArthur, Donald A. (See Wean, R. J., and McArthur.)

McConnell, Thomas, Northampton, assignor to Hampton Company, Easthampton, Mass. Dampening fabrics. 2,117,491; May 17.

McCracken, John, Burgettstown, Pa. Tie holder. 2,117,969; May 17.

McDowell, Charles O., Fairmont, W. Va. Apparatus for cementing wells. 2,117,898; May 17.

McGuire, Everett E., et al. (See Stevens, Roy, assignor.)

McKibbin Neon Incorporated, The. (See Bell, William F. G., assignor.)

McLanahan & Stone Corporation. (See Fye, William A., assignor.)

McMaster, Ruben, assignor to The Parsons Company, Newton, Iowa. Safety lift device for snow plows. 2,117,561; May 17.

McMillan, James O., Wichita, Kans. Automatic pumping mechanism. 2,117,563; May 17.

McNicoll, Andrew G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Clock thermostat. 2,117,768; May 17.

McPherson, Bruce, Greenville, S. C. Cigarette package. 2,117,342; May 17.

McWeeny, John L., assignor to Belmont Radio Corporation, Chicago, Ill. Indicating and control apparatus. 2,117,441; May 17.

McWeeny, John L., assignor to Belmont Radio Corporation, Chicago, Ill. Indicating and control apparatus. 2,117,442; May 17.

Meckler, Samuel, St. Paul, Minn. Egg yolk and white separator. 2,117,899; May 17.

Mejer, Walther. (See Kiesskalt, S., and Mejer.)

Mellin, Oscar A. (See Baker, R. C., and Mellin.)

Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)

Mereen Johnson Machine Company. (See Westlund, Oscar E., assignor.)

Mergenthaler Linotype Company. (See Castle, Thomas R., assignor.)

Mergenthaler Linotype Company. (See Hilpman, John H., assignor.)

Merriam, Edmund S., Marietta, Ohio. Making preformed abrasive articles. 2,117,970; May 17.

Merrill, Harry L., Nashua, N. H., assignor to Harder Refrigerator Corporation, Cobleskill, N. Y. Refrigerator. 2,117,564; May 17.

Merritt, Matthew M., Middleton, assignor to The Tanning Process Company, Boston, Mass. Tanning of hides and skins. 2,117,343; May 17.

Messing, Joseph A. (See Frank, H. J. L., and Messing.)

Metzger, Otto, assignor to Vereinigte Deutsche Metallwerke A.-G., Zweigniederlassung Süddeutsche Metallindustrie, Nuremberg, Germany. Packing for perishable victuals. 2,117,738; May 17.

Mexican American Hat Company. (See Holmes, Glenn E., assignor.)

Meyer, Arthur F., San Francisco, Calif. Smoking apparatus. 2,117,492; May 17.

Meyer, Charles S., Norwood, Ohio. Tabulating board. 2,117,812; May 17.

Middlebury Electric Clock Corporation. (See Borgfeldt, Frederic R., assignor.)

Middleton, Herbert T., Englewood, N. J., assignor to International Patents Development Company, Wilmington, Del. Cocoa and sugar compound and making same. 2,117,344; May 17.

Mieg, Walter, Opladen, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Anthraquinone derivatives. 2,117,813; May 17.

Miessner, William O., Lawrence, Kans. Musical instrument. 2,117,345; May 17.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter. 2,117,971; May 17.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter release. 2,117,972; May 17.

Miller, Frank J., Santa Monica, Calif. Pump. 2,117,493; May 17.

Miller, Ralph L., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,117,739; May 17.

Millis, Earl R., Kansas City, Kans. Safety type fuse assembly. 2,117,346; May 17.

Mills, Edmund G., Newton, Mass. Colostomy appliance. 2,117,621; May 17.

Milner, Harry L., Gotherington, England. Variable or controllable pitch airscrew. 2,117,674; May 17.

Miner, W. H., Inc. (See Lounsbury, Harvey J., assignor.)

Minneapolis-Honeywell Regulator Company. (See McNicoll, Andrew G., assignor.)

Minneapolis-Honeywell Regulator Company. (See Shipley, Sylvanus C., assignor.)

Miöen, Ole. (See Nygaard, J. O., and Miöen.)

Mirow, Lothar, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regenerative braking system. 2,117,900; May 17.

Misewicz, Walter J., and F. J. Kaminski, Worcester, Mass. Muffler. 2,117,973; May 17.

Mitchell, Earl A., Newton, assignor of one-third to D. Gregson, Montezuma, Iowa. Electricity theft prevention device. 2,117,565; May 17.

Mohr, Joseph, Richmond, Va. Liquid fuel burner. 2,117,740; May 17.

Molins, Harold B., et al., executors. (See Molins, Walter E.)

Molins Machine Company. (See Molins, Walter E., assignor.)

Molins, Walter E., deceased, by H. B. Molins, Deptford, and M. H. Isaacs, executors, assignors to Molins Machine Company, Limited, London, England. Wrapping article. 2,117,347; May 17.

Molnar, Nicholas M., New York, N. Y. Therapeutically active organic mercurial derivatives of camphoramic acid and its salt and the process of preparing the same. 2,117,901; May 17.

Monsanto Chemical Company. (See White, John F., assignor.)

Montgomery, Donald H., Berlin, and A. H. Jobert, assignors, by mesne assignments, to The New Britain Machine Company, New Britain, Conn. Stock stop. 2,118,014; May 17.

Montgomery, Donald H., Berlin, and A. H. Jobert, New Britain, assignors, by mesne assignments, to The New Britain Machine Company, New Britain, Conn. Indexing station type machine. 2,118,015; May 17.

Moore Fabric Company. (See Moore, John V., assignor.)

Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Tubular woven elastic garment. 2,117,974; May 17.

Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Elastic fabric. 2,117,975; May 17.

Morris, Wilbert L., Washington, D. C. Pocket lighter and flashlight. 2,117,976; May 17.

Morrison Brothers Company. (See Glab, William N., assignor.)

Morton, Vincent W., San Francisco, and M. F. Schweiger, Berkeley, Calif. Douche apparatus. 2,117,622; May 17.

Mosher, Ten Eyck T., Peacedale, Glenmont, N. Y. Eraser holder. 2,117,443; May 17.

Moyer, Gilbert L. (See Winkler, F. C., and Moyer.)

Moyer, Howard R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Molded article. 2,117,902; May 17.

Mount Diablo Wine Association. (See Fessler, J. H., and Johnson, assignors.)

Mudd, Thomas A., assignor of one-half to W. Jones, Decatur, Ill. Sliced bread holder. 2,117,566; May 17.

Muchow, Albert J., Scotia, N. Y., assignor to General Electric Company. Sound producing device. 2,117,903; May 17.

Mueller, Robert A., and J. R. Yancey, Houston, Tex., assignors to Gray Tool Company. Setting and equipping casing in wells and drilling under control. 2,117,444; May 17.

Muenster, Wilhelm. (See Koeberle, K., Muenster, and Schneider.)

Mulder, Johannes G. W. (See Duinker, D. M., and Mulder.)

Murphy, Harold J., et al. (See Simning, Roy B., assignor.)

Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Method of and composition for purifying metals. 2,117,348; May 17.

Myer, James E., Washington, D. C., and A. C. Horner, San Francisco, Calif., assignors to Timber Engineering Company, Washington, D. C. Flanged plate timber connecter. 2,117,567; May 17.

Myers, Vincent R., Red Oak, Iowa. Dump body for auto trucks. 2,117,568; May 17.

Mylius, Walter G., Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Polyphase detachable meter. 2,117,904; May 17.

N. V. Martens' Brandkastenfabriek. (See van der Beyl, Willem F., assignor.)

N. V. Philips' Gloeilampenfabrieken. (See de Lange, Cornelis, assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Duinker, D. M., and Mulder, assignors.)

Nadeau, Gale F., and H. R. Couch, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photographic tracing cloth. 2,117,814; May 17.

Nadeau, Gale F., and L. K. Ellers, assignors to Eastman Kodak Company, Rochester, N. Y. Recovering plasticiser from scrap cellulose ester products. 2,117,815; May 17.

Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)

National Cable, Inc. (See Gobatti, Edmond F., assignor.)

National Cash Register Company, The. (See Robertson, William H., assignor.)

National Electric Screen Co. (See Lindsley, Edward A., assignor.)

National Engineering Company. (See Nicholls, William H., Sr.)

National Rifle Association. (See Hakenjos, F. M., and Lister, assignors.)

Negishi, Eizaburo, Kiriu, Japan. High speed spinning machine. 2,117,675; May 17.

Neher, Harry T., Bristol, assignor to Röhm & Haas Company, Philadelphia, Pa. Esters of acrylic acid. 2,117,349; May 17.

Neighbour, Leonard B., assignor to Deere & Company, Moline, Ill. Corn sheller. 2,117,494; May 17.

Nelson, Arthur S., Hartford, Conn. Weaving needle. 2,117,350; May 17.

Nelson, Martin P., Rutherford, N. J. Transportation device. 2,117,905; May 17.

Ness, James G., East Point, Ga., assignor to H. R. Van Deventer, New York, N. Y. Electrical attachment device. 2,117,816; May 17.

Netherland, Frank B. (See Rohrbach, Fred L., assignor.)

New Britain Machine Company, The. (See Montgomery, D. H., and Jobert, assignors.)

Newport Industries, Inc. (See Palmer, R. C., and Warmuth, assignors.)

Nicholls, William H., Jr., administrator. (See Nichols, William H., Sr.)

Nicholls, William H., Sr., deceased, by W. H. Nicholls, Jr., administrator, Roslyn, N. Y., assignor to National Engineering Company, Chicago, Ill. Sand mulling machine. 2,117,977; May 17.

Niedderdeutsch Kabelwerke A. G. (See Cords, Otto, assignor.)

Niemchek, Louis, Milwaukee, Wis., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Finned structure and method of making same. 2,117,445; May 17.

Noblitt-Sparks Industries, Inc. (See Redmond, Albert G., assignor.)

Noerr, Herman. (See Mauthe, G., and Noerr., assignors.)

Nordstrom, Sven J., Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Manufacturing valves. 2,117,351; May 17.

Norma-Hoffmann Bearings Corporation. (See Smith, Charles H., assignor.)

Norquist, Lester E., Denver, Colo. Propulsion means for watercraft. 2,117,495; May 17.

North American Manufacturing Company, The. (See Lutherer, Otto, assignor.)

North American Rayon Corporation. (See Taylor, Joseph I., assignor.)

Northwest Paper Company, The. (See Textor, Clinton K., assignor.)

Norton Company. (See Indge, H. S., and Hulbert, assignors.)

Norton Company. (See Silven, Herbert A., assignor.)

Norton Company. (See Silven, H. A., and Flygare, assignors.)

Nototyp-Rundstatler G. m. b. H. (See Rundstatler, Gust, assignor.)

Novelview, Inc. (See Rossman, Earl, assignor.)

Novey, William, and J. C. Tromba, assignors to The Fitzgerald Manufacturing Company, Torrington, Conn. Oil seal ring. 2,117,849; May 17.

Nygaard, Johan O., Oslo, Norway, and O. Miden, assignors to Aktiebolget Nordiska Hovbeslaget, Stockholm, Sweden. Manufacturing exchangeable calks for horseshoes. 2,117,817; May 17.

Obermiller, Albert I., Santa Ana, assignor to Food Machinery Corporation, San Jose, Calif. Shook feeding device. 2,117,906; May 17.

Oechslin, Heinrich, Romanshorn, Switzerland. Wire rope. 2,117,818; May 17.

Oftedal, Philip R., Chicago, Ill. Weather-strip. 2,117,978; May 17.

Ogden, William F., Chicago, Ill. Water supply system. 2,117,907; May 17.

Ogilvie, William, Knowle, assignor to B. S. A. Tools Limited, Birmingham, England. Grinding machine. 2,117,979; May 17.

O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,117,820; May 17.

Ohio Brass Company, The. (See Bovard, Floyd G., assignor.)

Ohio Brass Company, The. (See Brandt, Thomas F., assignor.)

Okada, Jiro, Suginami-ku, Tokyo, Japan. Apparatus for filling high pressure gas containers. 2,117,819; May 17.

Okawa, Chukichi, and S. Wada, Tokyo, Japan, assignors to General Electric Company. Electric valve circuit. 2,117,908; May 17.

O'Malley, John F., Flushing, N. Y. Safety razor. 2,117,850; May 17.

Onsrud Machine Works, Inc. (See Onsrud, Rudolph F. and O., assignors.)

Onsrud, Oscar. (See Onsrud, Rudolph F. and O.)

Onsrud, Rudolph F. and O., assignors to Onsrud Machine Works, Inc., Chicago, Ill. Match splint forming machine. 2,117,446; May 17.

Osswald, Philipp, Hofheim (Taunus), assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing sulphamides. 2,117,626; May 17.

Osuch, Francis J., assignor, by mesne assignments, to Robot Products Corporation, Detroit, Mich. Combined juice extractor and mixer. 2,117,496; May 17.

Otis, Russell M. (See Fowler, A. A., and Otis.)

Ousheff, Dimiter I., Buffalo, N. Y. Solvent thinner and preparing the same. 2,117,990; May 17.

Owens-Illinois Glass Company. (See Slayter, Games, assignor.)

Owens, James S., J. S. Peake, and R. G. Fowler, assignors to The Dow Chemical Company, Midland, Mich. Purifying carbon or graphite. 2,117,497; May 17.

Owler, Albert J., Northbridge, Mass., assignor to American Supply Company, Central Falls, R. I. Hook lease reed. 2,117,900; May 17.

P. I. V. Ketten und Getriebe G. m. b. H., Firm. (See Maurer, Albrecht, assignor.)

Package Machinery Company. (See Smith, E. L., and Wetsel, assignors.)

Packard Motor Car Company. (See Krebs, Henry, assignor.)

Palmer, Leroy H., Bell, Calif. Definite pole alternator. 2,117,991; May 17.

Palmer, Robert C., and H. J. Warmuth, assignors to Newport Industries, Inc., Pensacola, Fla. Treatment of terpene alcohol-alkali metal bisulphite reaction products. 2,117,851; May 17.





Paloni, Dominic, Columbia, Utah. Meat lifter. 2,117,447; May 17.

Pangborn Corporation. (See Bottorf, Harry F., assignor.)

Paquin, Max, and O. Braun, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat-dyestuff preparations for printing textiles. 2,117,623; May 17.

Park, Carl P., assignor to U S Bobbin & Shuttle Company, Manchester, N. H. Shuttle. 2,117,352; May 17.

Park, Carl P., assignor to U S Bobbin & Shuttle Company, Manchester, N. H. Bobbin and making the same. 2,117,353; May 17.

Park, Carl P., assignor to U S Bobbin & Shuttle Company, Manchester, N. H. Shuttle. 2,117,354; May 17.

Parker, Clyde H., assignor to The B. L. Marble Chair Company, Bedford, Ohio. Chair. 2,117,821; May 17.

Parsons Company, The. (See McMaster, Ruben, assignor.)

Patent and Licensing Corporation, The. (See Payne, Gerald B., assignor.)

Patitz, George J., assignor, by mesne assignments, to D. M. Carter, Chicago, Ill. Process and apparatus for making high speed pasters. 2,117,676; May 17.

Patrol Valve Company, The. (See Matthews, B. L., and Marvin, assignors.)

Payne, Gerald B., Scranton, Pa., assignor to The Patent and Licensing Corporation, Boston, Mass. Shingle. 2,117,624; May 17.

Peake, John S. (See Owens, J. S., Peake, and Fowler.)

Pearl, John W., Yeadon, Pa., assignor to The Barrett Company, New York, N. Y. Waterproofing sheet material. 2,117,355; May 17.

Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Hydraulically operated reversing mechanism. 2,117,852; May 17.

Pehrson, Johan M. and R. V., Stockholm, Sweden. Drying material sensitive to overheating. 2,117,822; May 17.

Pehrson, Ragnar V. (See Pehrson, Johan M. and R. V., assignors.)

Penberthy Injector Company. (See Yoder, Howard D., assignor.)

Perma Corporation. (See Rogge, Albert C., assignor.)

Perquin, Johannes N. J., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Polymerization of olefines. 2,117,498; May 17.

Perry, William H., Ocean Beach, Calif. Fluid fuel burner. 2,117,356; May 17.

Peter, Albin, assignor to the firm Chemical Works, formerly Sandoz, Basel, Switzerland. Dyestuffs of the anthraquinone series and their manufacture. 2,117,569; May 17.

Peterson, Bert L., Wooster, Ohio. Well drill pipe. 2,117,357; May 17.

Peterson, Joel D. (See Ketay, M. F., and Peterson.)

Petrolator Corporation. (See Svenson, Ernest J., assignor.)

Pflasterer, George R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch control apparatus. 2,117,677; May 17.

Philipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerator apparatus. 2,117,570; May 17.

Phillips & Buttorff Mfg. Co. (See Whitaker, William T., assignor.)

Phillips Petroleum Company. (See Drennan, Harry E., assignor.)

Phillips, Charles H., Richmond, Va. Buckle. 2,117,980; May 17.

Photo-Cylinder Corporation. (See Huggins, Owen R., assignor.)

Picker X-Ray Corporation Waite Manufacturing Division, Inc. (See Goldfield, Edwin R., assignor.)

Pierce, John B., Foundation. (See Strong, William E. S., assignor.)

Pittsburgh Equitable Meter Company. (See MacLean, Allen D., assignor.)

Pittsburgh Plate Glass Company. (See Muskat, Irving E., assignor.)

Pittsburgh Steel Drum Company. (See Jesser, Alert E., assignor.)

Placco, Oscar F., Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Ornament and mounting therefor. 2,117,823; May 17.

Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Molding fastener. 2,117,571; May 17.

Place, Willard P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Communication system. 2,117,358; May 17.

Plummer, Richard W. (See Brill, J. L., and Plummer.)

Polan Kats & Company. (See Sobotka, Phillip S., assignor.)

Polson, Irl I., Oklahoma City, Okla. Combination ironing board and bench for breakfast table. 2,117,499; May 17.

Polser, Fridolin, South Norwalk, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple driving machine. 2,117,741; May 17.

Polser, Fridolin, South Norwalk, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple driving machine. 2,117,742; May 17.

Polser, Fridolin, South Norwalk, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple driving machine. 2,117,743; May 17.

Polser, Fridolin, South Norwalk, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple driving machine. 2,117,744; May 17.

Pontis, William G., W. A. Chryst, C. H. Kindl, and B. D. Kunkle, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Compressor. 2,117,448; May 17.

Pool, Austin R., assignor of one-third to O. E. Pool, Wetmore, and one-third to R. S. Lenge, Kansas City, Mo. Safety holder for tank wagon receptacles. 2,117,992; May 17.

Pool, Orville E., et al. (See Pool, Austin R., assignor.)

Porter, Frank, assignor to The Solvay Process Company, Syracuse, N. Y. Phthalic anhydride production. 2,117,359; May 17.

Porter, Michael H., Brookline, Mass. Reversible dress. 2,117,449; May 17.

Potter, William W. (See Curtis, Myron S., assignor.)

Potter, William W., and M. S. Curtis, Pawtucket, R. I.; said Curtis assignor to said Potter. Machine tool. 2,118,024; May 17.

Preist, Thomas P., Poulton, Wallasey, assignor, by mesne assignments, to Automatic Telephone & Electric Company, Limited, London, England. Traffic signal control system. 2,117,981; May 17.

Pressed Steel Car Company. (See Anderson, John P., assignor.)

Price, Arthur E., assignor to Hinckley-Myers Company, Jackson, Mich. Differential pinion gauge. 2,117,854; May 17.

Price, Jacob R. (See Flick, Z. E., Price, and Seacat.)

Prince, Leon M., Jr., New York, N. Y. Lane marker. 2,117,982; May 17.

Principessa, Tito, Ellwood City, Pa. Clothes drier. 2,117,627; May 17.

Prinz, Dietrich G., Wembley, Middlesex, assignor to The General Electric Company Limited, London, England. Electric discharge device. 2,117,993; May 17.

Prior, Alfred C., Deptford, London, England. Packing machine. 2,117,625; May 17.

Proctor, Ralph R. (See Ridenour, Ralph O., assignor.)

Proctor & Schwartz, Incorporated. (See Hershey, Herbert T., assignor.)

Pure Carbon Company. (See Eynon, H. B., and Burr, assignors.)

Pure Oil Company, The. (See Schutt, Hermann C., assignor.)

Pure Oil Company, The. (See Terrell, Charles F., Jr., assignor.)

Pure Oil Company, The. (See Throckmorton, John W., assignor.)

Pye, David J. (See Bender, H., and Pye.)

Queen, Walter K., Needham Heights, Mass. Valve structure. 2,117,853; May 17.

Radio Corporation of America. (See George, Roscoe H., assignor.)

Radio Corporation of America. (See Holst, Poul F. G., assignor.)

Radio Corporation of America. (See Lester, Paul S., assignor.)

Radio Corporation of America. (See Young, Charles J., assignor.)

Rambush, Niels E., and P. A. Andrews, Stockton-on-Tees, England. Making jacketed vessels, particularly steam-jacketed boiling pans. 2,117,500; May 17.

Ramsey, William P. (See Kennedy, J. W., Ramsey, and Lee.)

Rand, Rufus R., Jr., Minneapolis, Minn. Aeroplane structure. 2,117,360; May 17.

Rankin, Lanning P., Lawrence, Kans., assignor to Hercules Powder Company, Wilmington, Del. Refining rosin and rosin esters. 2,117,572; May 17.

Rasmussen, Charles H. (See Elsen, J. B., and Rasmussen.)

Rawls, Paul C., Des Moines, assignor to Webb-Glade Pump Association, Fontanelle, Iowa. Rotary pump. 2,117,573; May 17.

Raybestos-Manhattan, Inc. (See Willson, Charles M., assignor.)

Raymond, Lambert L., Minneapolis, Minn. Decorating device structure. 2,117,501; May 17.

Reaume, Lawrence W., assignor to River Raisin Paper Company, Monroe, Mich. Carton. 2,117,678; May 17.

Reconstruction Finance Corporation. (See Niemchek, Louis, assignor.)

Reddelien, Gustav, Leipzig, and G. Matthaeus, Wolfen, Kreis Bitterfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyes. 2,117,745; May 17.

Redmond, Albert G., Flint, Mich., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Remote control device for radio apparatus. 2,117,574; May 17.

Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Earth boring drill. 2,117,679; May 17.

Reeves Steel and Manufacturing Company. (See Curtis, Frederick G., assignor.)

Reeves Steel and Manufacturing Company. (See Curtis, Rowland G., assignor.)

Reich, Samuel, New York, N. Y. Foldable container. 2,117,502; May 17.

Reid, Elliott G., Palo Alto, Calif. Internal combustion engine. 2,117,983; May 17.

Reinhardt, George D., San Antonio, Tex. Refrigerating cabinet. 2,117,505; May 17.

Reinhardt, George D., San Antonio, Tex. Refrigerating apparatus. 2,117,506; May 17.

Reliable Electric Company. (See Johnson, Ewald E., assignor.)
Renault, Louis. (See Saives, Leon, assignor.)
Reynolds, R. J., Tobacco Company. (See Hyatt, Robert J., assignor.)
Rhodes, Cecil. (See Woodland, C. R., and Rhodes.)
Richardson, Arnold C., Kansas City, Mo. Power take-off. 2,117,503; May 17.
Richardson, Dean R., New Kensington, Pa. Bonding rail joint tie. 2,117,450; May 17.
Richardson, Maurice F., Berwyn, Pa. Group valve unit. 2,117,504; May 17.
Richardson, Thomas S., and P. L. Smith, Beaumont, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Refining wax. 2,117,984; May 17.
Richman, Jonas J., New York, N. Y. Fingering attachment for stringed musical instruments. 2,117,628; May 17.
Ridenour, Ralph O., assignor of one-half to R. R. Proctor, Los Angeles, Calif. Soil-plasticity testing apparatus. 2,117,985; May 17.
Ritter, Harry C. (See Heller, Hayes F., assignor.)
River Raisin Paper Company. (See Reaume, Lawrence W., assignor.)
Roberts-Gordon Appliance Corporation. (See Cochrane, Adam B., assignor.)
Robertson, Delmar D., Lansdowne, assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring construction. 2,117,986; May 17.
Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,117,451; May 17.
Roble, George F. (See Flynn, E. P., and Roble.)
Robinson, James, London, England. Wireless receiving system. 2,117,680; May 17.
Robinson, William J., and J. J. Galligan, Providence, R. I., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Cut seaming machine. 2,117,452; May 17.
Robot Products Corporation. (See Osuch, Francis J., assignor.)
Robson, James T., Euclid, and G. R. Sylvester, assignors to Ferro Enamel Corporation, Cleveland, Ohio. Kiln. 2,117,994; May 17.
Rogers, Ernest J., Dover, N. H. Making welts. 2,117,824; May 17.
Rogge, Albert C. (See Gordon, H., and Rogge.)
Rogge, Albert C., Columbus, Ohio, assignor to Perma Corporation, Chicago, Ill. Wood heel slotting machine. 2,117,769; May 17.
Röhm & Haas Company. (See Andrews, C. E., and Covert, assignors.)
Röhm & Haas Company. (See Covert, L. W., and Andrews, assignors.)
Röhm & Haas Company. (See Bruson, Herman A., assignor.)
Röhm & Haas Company. (See Neher, Harry T., assignor.)
Rohrbach, Fred L., Washington, D. C., assignor of one-half to F. B. Netherland, Kenwood, Md. Oil filter with renewable filtering element. 2,117,361; May 17.
Rose, William H., Jersey City, N. J., assignor to Stanco Inc. Dust gun cartridge with air deflector. 2,117,362; May 17.
Roseman, Leo, Newark, N. J. Device for predetermining location of fasteners. 2,117,453; May 17.
Rosenthal, Herman, Ansonia, Conn. Hollow rubber water stopper. 2,117,629; May 17.
Ross, Colin A., assignor to Behr-Manning Corporation, Troy, N. Y. Sandpaper roll and protector therefor. 2,117,995; May 17.
Ross, Ernest, Elmhurst, assignor to United Research Corporation, Long Island City, N. Y. Sprocket for motion picture films. 2,118,016; May 17.
Rossander, Swanie S. (See Jordan, H., and Rossander.)
Rossman, Earl, assignor to Noveliview, Inc., New York, N. Y. Stereoscopic viewer and photographic film for same. 2,117,910; May 17.
Rota, S. A. (See Bloch, Frans G., assignor.)
Row, Dunn H., Indianapolis, Ind. Contact glass construction. 2,117,770; May 17.
Rundstatler, Gust, assignor to Nototyp-Rundstatler G. m. b. H., Berlin, Germany. Music typewriter. 2,117,363; May 17.
Rutemiller, Oren G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrode feeding mechanism for high intensity arc searchlights. 2,117,911; May 17.
Ryan, Arthur P., Jackson Heights, N. Y. Handbag key retainer. 2,117,989; May 17.
Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. Electrical insulation. 2,118,017; May 17.
Saives, Leon, assignor to L. Renault, Billancourt, France. Power hammer for stamping with counter-tup. 2,117,575; May 17.
Salmon, Reginald D., assignor to Creed and Company, Limited, Croydon, England. Printing telegraph system and apparatus. 2,117,855; May 17.
Salvatori, Henry, Hollywood, assignor to Western Geophysical Company, Los Angeles, Calif. Apparatus for seismic surveying. 2,117,364; May 17.
Salvatori, Henry, and J. N. Walstrum, assignors to Western Geophysical Company, Los Angeles, Calif. Seismic surveying. 2,117,365; May 17.
Sams, Anson B., Chattanooga, Tenn. Eye-muscle exerciser. 2,117,825; May 17.
Sandler, Louis, assignor to Johnson Bronze Company, New Castle, Pa. Manufacturing strip metal bearing stock. 2,117,454; May 17.
Sandler, Louis, assignor to Johnson Bronze Company, New Castle, Pa. Manufacturing strip metal bearing stock. 2,117,455; May 17.
Sanna, Anthony R., and F. L. Sanna, Madison, Wis. Milk products. 2,117,681; May 17.
Sanna, Filip L. (See Sanna, Anthony R., and F. L.)
Sanna, Filip L., Madison, Wis. Chocolate milk product and making the same. 2,117,682; May 17.
Santini, Danilo, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator system. 2,117,912; May 17.
Sapeer, Hyman, Munhall, Pa. Shoe holder. 2,117,630; May 17.
Saunders, Harold F., and C. D. Downs, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Coating material. 2,117,366; May 17.
Sausedde, Claude, assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich. Hydrostatic brake. 2,117,683; May 17.
Schaaf, George, Buffalo, N. Y. Fire extinguisher. 2,117,684; May 17.
Schellin, John C., assignor to Akron Brass Manufacturing Company, Incorporated, Wooster, Ohio. Valve construction. 2,117,456; May 17.
Schick, Herbert M., San Mateo, Calif. Enclosure for radiators. 2,117,914; May 17.
Schillchting, Otto. (See Koeberle, K., and Schlichting.)
Schlanger, Benjamin, and J. Gilston, New York, N. Y. Screen and synchronized light field. 2,117,857; May 17.
Schlatter, Rudolph, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Fuel injection valve. 2,117,367; May 17.
Schleede, Arthur, and B. Bartels, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Screen material. 2,117,858; May 17.
Schleicher, Harold E., Elmwood, and M. Guett, assignors to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Enclosed electric switch. 2,117,987; May 17.
Schneider, Ferdinand, Fulda, Germany. Contact device for electric master clocks. 2,117,507; May 17.
Schneider, Ferdinand, Fulda, Germany. Electrically driven master clock. 2,117,508; May 17.
Schneider, Wilhelm. (See Koeberle, K., Muenster, and Schneider.)
Scheppmann, Wilhelm, Berlin-Neutempelhof, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Producing iron cores for electromagnet coils. 2,117,856; May 17.
Schock, Charles R., Madeira, and C. L. Koehler, assignors to The Alvey-Ferguson Company, Oakley, Cincinnati, Ohio. Overhead traveling conveyer. 2,117,988; May 17.
Schols, Heinrich. (See Koeberle, K., Schols, and Eisele.)
Schutt, Hermann C., North Tarrytown, N. Y., assignor, by mesne assignments, to The Pure Oil Company, Chicago, Ill. Converting hydrocarbons. 2,117,457; May 17.
Schutte and Koerting Company. (See Boehm, Frederick, assignor.)
Schwartz, Morris, Brooklyn, N. Y. Flashlight and shutter operating device for cameras. 2,117,509; May 17.
Schwartz, Morris, Brooklyn, N. Y. Camera attachment. 2,117,510; May 17.
Schweiger, Mitchell F. (See Morton, V. W., and Schweiger.)
Scott, Lewis L., St. Louis, Mo. Oil furnace. 2,117,511; May 17.
Scott, Lewis L., St. Louis, Mo. Oil burner. 2,117,512; May 17.
Scott, Richard H., Enfield, assignor to Linotype and Machinery Limited, London, England. Changing the magazines of typographical composing machines. 2,117,576; May 17.
Scutt, Arthur G., Niagara Falls, and A. L. Ball, Lewiston Heights, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Abrasive wheel and making the same. 2,117,513; May 17.
Seacat, Lester G. (See Flick, Z. E., Price, and Seacat.)
Seawright, Roy M. (Robert M. F. Seawright), Langlaagte, Johannesburg, South Africa, assignors to Ingersoll-Rand Company, Jersey City, N. J. Chuck. 2,117,746; May 17.
Seidel, Alex, assignor to Mauser-Werke A.-G. Oberndorf-on-the-Neckar, Germany. Firearm. 2,117,826; May 17.
Seil, Gilbert E., Cynwyd, Pa., assignor, by mesne assignments, to Buffalo Electric Furnace Corporation, Buffalo, N. Y. Electric furnace. 2,117,913; May 17.
Sellers, William D., Glen Ellyn, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,117,368; May 17.
Seyb, Erich, Leuna, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Softening water. 2,117,631; May 17.
Shaw, Clarence W., Detroit, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Venting and closure device. 2,117,369; May 17.





Shell Development Company. (See Evjen, Haakon M., assignor.)
Shell Development Company. (See Perquin, Johannes, N. J., assignor.)
Shell Development Company. (See Straatman, Alphons G. H., assignor.)
Sherwin-Williams Company, The. (See Saunders, H. F., and Downs, assignors.)
Shipley, Sylvanus C., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic switching mechanism. 2,117,514; May 17.
Shutt, Charles C., East McKeesport, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Damper winding thermal protection. 2,117,915; May 17.
Side, Frederick W. (See Harrison, T. R., and Side.)
Siegel, Alfred, Roselle, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. New azo dye and color lakes and their production. 2,117,859; May 17.
Siegel, Alfred, Roselle, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Colored rubber products. 2,117,860; May 17.
Siemens & Halske Aktiengesellschaft. (See Hornickel, Richard, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Thal, Wilhelm, assignor.)
Sigg, Joseph A., Pittsburgh, Pa. Cigarette dispensing device. 2,117,370; May 17.
Sikorsky, Igor L., Long Hill, assignor to United Aircraft Corporation, East Hartford, Conn. Wing radiator. 2,117,632; May 17.
Silven, Herbert A., and C. G. Flygare, assignors to Norton Company, Worcester, Mass. Automatic cam grinding machine. 2,117,916; May 17.
Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Automatic grinding machine. 2,117,917; May 17.
Simning, Roy B., assignor, by mesne assignments, to said R. B. Simning, H. J. Murphy, and G. V. Watson, Minneapolis, Minn. Vehicle and mounting mechanism therefor. 2,117,577; May 17.
Singer Manufacturing Company, The. (See Karle, John D., assignor.)
Sinner, Emil, Milwaukee, Wis. Lock. 2,117,515; May 17.
Siphonator, Inc. (See Bowman, David E., assignor.)
Skidelsky, Nina, assignor to Changette, Inc., New York, N. Y. Receptacle. 2,117,516; May 17.
Slayter, Games, Newark, Ohio, assignor to Owens-Illinois Glass Company. Battery separator plate. 2,117,371; May 17.
Smart, Norman C. (See Chubb, A. A., and Smart.)
Smith, Anton J., and G. J. Coupe, assignors to Felt & Tarrant Mfg. Co., Chicago, Ill. Distribution device. 2,117,372; May 17.
Smith, Charles H., Essex, England, assignor to Norma-Hoffmann Bearings Corporation, Stamford, Conn. Roller thrust bearing. 2,117,633; May 17.
Smith, Elmer L., Longmeadow, and C. Wetzel, assignors to Package Machinery Company, Springfield, Mass. Delivery device for wrapping machines. 2,117,517; May 17.
Smith, Henry B., Rochester, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Cellulose mixed ester composition containing an alkyl ester of a dicarboxylic aliphatic acid. 2,117,827; May 17.
Smith, Herman, and D. J. Cohn, Chicago, Ill. Milk-dispensing device. 2,117,747; May 17.
Smith, Howard A., assignor to Knapp-Monarch Company, St. Louis, Mo. Thermostat assembly. 2,117,578; May 17.
Smith, Howard A., assignor to Knapp-Monarch Company, St. Louis, Mo. Grid retaining means for electrical appliances. 2,117,579; May 17.
Smith, Percy L. (See Richardson, T. S., and Smith.)
Smith, Robert H., Jr., San Mateo, Calif. Dispensing device. 2,117,685; May 17.
Smith, Skardon T., Detroit, Mich. Gun sight mount. 2,117,634; May 17.
Smola, Joseph, Omaha, Nebr. Vault lowering device. 2,117,518; May 17.
Smythe, Robert L. (See Steinmayer, A. G., and Smythe.)
Snavely, Clarence S., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote controlling apparatus. 2,117,580; May 17.
Snyder, Benjamin L., Philadelphia, Pa. Grille guard for automobiles. 2,117,519; May 17.
Sobotka, Phillip S., assignor to Polan Katz & Company, Baltimore, Md. Interchangeable umbrella handle. 2,117,373; May 17.
Società An. Finanziaria Fiammiferi ed Affini. (See Bravi, Eugenio, assignor.)
Société Anonyme Stella-Lux. (See Coustal, René A., assignor.)
Socony-Vacuum Oil Company. (See Bulkley, Ronald, assignor.)
Socony-Vacuum Oil Company. (See Richardson, T. S., and Smith, assignors.)
Socony-Vacuum Oil Company. (See Staber, Ernest H., assignor.)
Sohn, Jacob, Joliet, Ill. Mattress tufting machine. 2,117,458; May 17.
Solvay Process Company, The. (See Porter, Frank, assignor.)
Soman, Lester, assignor to Film Treatisor Corporation, New York, N. Y. Film-treating device. 2,117,828; May 17.
Sopinski, Casimir, and F. Vykosky, Cleveland, Ohio. Laundry tray shelf. 2,117,771; May 17.
Spase, Charles B., Nedrow, assignor to W. C. Lipe Inc., Syracuse, N. Y. Operating mechanism for clutches. 2,117,520; May 17.
Spence, Frank B. (See Hamrick, M. M., and Spence.)
Sponsler, William J., Danville, Ill. Combined desk and seat. 2,117,686; May 17.
Sprague, Sidney, Brooklyn, N. Y. Optical illusion device. 2,117,635; May 17.
Squibb, E. R., & Sons. (See Christiansen, Walter G., assignor.)
Staber, Ernest H., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Construction of gasometer roof tanks. 2,117,829; May 17.
Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoe parts. 2,117,374; May 17.
Stallmann, Otto, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphuric acid esters of halogen-aminoanthraquinones. 2,117,772; May 17.
Stanco Inc. (See Rose, William H., assignor.)
Standard Forgings Corporation. (See Swanson, Clarence S., assignor.)
Standard Oil Company of California. (See Ihm, I. H., and Tuttle, assignors.)
Standard Railway Equipment Manufacturing Company. (See Bonsall, Charles D., assignor.)
Standard Trump Bros. Machine Co. (See Taggart, William N., assignor.)
Stanton, Fred H., Brady, Tex. Squeezer and cutter. 2,117,687; May 17.
Stanton, Samuel J. S., Chicago, Ill. Tooth brush holder. 2,117,459; May 17.
Staude, Edwin G., Minneapolis, Minn. Paper box making machine and method of folding. 2,117,460; May 17.
Steel Heddle Manufacturing Company. (See Kaufmann, John J., assignor.)
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Evaporator for refrigerating machines. 2,117,861; May 17.
Steinbrunn, Gustav. (See Hopff, H., and Steinbrunn.)
Steinmayer, Alwin G., and R. L. Smythe, Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. Street lighting fixture. 2,117,862; May 17.
Steinmetz, Alfred A., Locust Valley, assignor to The Western Union Telegraph Company, New York, N. Y. Outlet molding. 2,117,773; May 17.
Steiner, Frank G., Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Unit dispensing device. 2,117,375; May 17.
Steiner Sales Company. (See Birr, Rudolph G., assignor.)
Steiner Sales Company. (See Steiner, Frank G., assignor.)
Stemman, Herman, Stevensville, Mont. Earthworking tool. 2,117,461; May 17.
Stenglein, Naomi W. (See McDonald, E. P., and Stenglein.)
Sterling Corporation, The. (See Flammang, J., Bowser, and Ernst, assignors.)
Stevens, Roy, Detroit, assignor of one-third to E. E. McGuire, Royal Oak, and one-third to H. C. Cuddeback, Detroit, Mich. Pump or compressor. 2,117,521; May 17.
Stewart, Theodore D., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring cushion structure. 2,117,748; May 17.
Stoffregen, Herman C. (See Duntze, George D., assignor.)
Stone, Morris J., assignor to Barkley-Grow Aircraft Corporation, Detroit, Mich. Propeller construction. 2,117,688; May 17.
Stoneback, Samuel A., Philadelphia, Pa. Air change means for window glass insulation systems. 2,117,581; May 17.
Straatman, Alphons G. H., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Apparatus for orienting drilling-tools. 2,117,522; May 17.
Strayer, Lawrence H., Kent, assignor to The Lamson & Sessions Company, Cleveland, Ohio. Aligning device. 2,117,376; May 17.
Strohl, Walter A., Offenbach-on-the-Main, Germany. Automatic barrel-treating machine. 2,117,523; May 17.
Stromberg, John A., Desplaines, Ill. Housing structure and its construction. 2,117,996; May 17.
Strong, William E. S., assignor to John B. Pierce Foundation, New York, N. Y. Atmorpheric protected [illegible] joint for building units. 2,117,377; May 17.
Strutevant, B. F., Company. (See Hagen, Harold [illegible], assignor.)
Stuber, Walter J., assignor to Carey-McFall Co., Philadelphia, Pa. Cord lock. 2,117,918; May 17.
Stubnitz-Greene Spring Corporation. (See Stubnitz, Maurice, assignor.)

Stubnitz, Maurice, assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich. Spring and air cushion. 2,117,524; May 17.
Studer, Henri, Zurich, Switzerland. Composite grid grill. 2,117,749; May 17.
Stull, Robert J., San Francisco, Calif. Electrical circuit tester. 2,117,582; May 17.
Summers, Otto M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,117,919; May 17.
Sun Tube Corporation, The. (See Fridén, John H., assignor.)
Sunnen, Joseph, Kirkwood, Mo. Reamer. 2,117,525; May 17.
Sunnen, Joseph, Kirkwood, Mo. Pinhole gauge. 2,117,526; May 17.
Sun Shipbuilding and Dry Dock Company. (See Howard, C. D., and Maxwell, assignors.)
Superior Fastener Corporation. (See Frey, Frank W., assignor.)
Surety Rubber Company, The. (See Hall, Samuel S. and J. B., assignors.)
Svenson, Ernest J., Rockford, Ill., assignor, by mesne assignments, to Petrolator Corporation. Liquid handling mechanism. 2,117,750; May 17.
Swann, Theodore. (See Glass, Hugh B., assignor.)
Swann, Theodore. (See Terwilliger, Charles O., assignor.)
Swanson, Clarence S., assignor to Standard Forgings Corporation, Chicago, Ill. Water cooled die for forming disk wheels. 2,118,018; May 17.
Swart, Richard H. (See Erbach, F. R., and Swart.)
Sylvester, George R. (See Robson, J. T., and Sylvester, assignors.)
Symington-Gould Corporation, The. (See Couch, Glenn F., assignor.)
Szegvari, Andrew. (See Albright, R. W., and Szegvari.)
Székely, Georg, Graz, Austria. Electrically driven compressor. 2,117,863; May 17.
Taggart, William N., Manoa, Pa., assignor, by mesne assignments, to Standard Trump Bros. Machine Co., Inc. Circular knitting machine and knitting. 2,117,920; May 17.
Tanning Process Company, The. (See Merritt, Matthew M., assignor.)
Tatsch, Otto A., San Antonio, Tex. Temporary trash bag holder. 2,117,689; May 17.
Taylor, Joseph I., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Skein. 2,117,997; May 17.
Taylor, Raymond, assignor to Bird & Yeomans, Limited, Earl Shilton, Leicestershire, England. Hose. 2,117,921; May 17.
Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Schleede, A., and Bartels, assignors.)
Teleregister Corporation, The. (See Haselton, Merton L., assignor.)
Teleregister Corporation, The. (See Hicks, R. M., and Leroy, assignors.)
Teletypesetter Corporation. (See Goetz, M. T., and Hudson, assignors.)
Terrell, Charles F., Jr., assignor to The Pure Oil Company, Chicago, Ill. Indicator and metering device. 2,117,922; May 17.
Terwilliger, Charles O., assignor, by mesne assignments, to T. Swann, Birmingham, Ala. Producing isopulegol. 2,117,463; May 17.
Textor, Clinton K., assignor to The Northwest Paper Company, Cloquet, Minn. Port closure device. 2,117,774; May 17.
Thal, Wilhelm, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt near Berlin, Germany. System for measuring a component of an alternating current or an alternating voltage. 2,117,462; May 17.
Thompson, Howard A. (See Allen E. M. Brooks, and Thompson.)
Throckmorton, John W., New York, N. Y., assignor to The Pure Oil Company, Chicago, Ill. Thermolytic conversion of hydrocarbon gases to liquid. 2,117,464; May 17.
Tiffany, George E., Durango, Colo., assignor, by mesne assignments, to Tiffany Products Corporation, Chicago, Ill. Settling and coagulating agent and the making and using the same. 2,117,378; May 17.
Tiffany Products Corporation. (See Tiffany, George E., assignor.)
Timber Engineering Company. (See Myer, J. E., and Horner, assignors.)
Timken-Detroit Axle Company. (See Wilson, John A., assignor.)
Timmis, William W., Glen Cove, and W. K. Walker, assignors to American Radiator Company, New York, N. Y. Adjustable orifice device. 2,117,998; May 17.
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Fastening device. 2,117,775; May 17.
Tischer, Arthur O., assignor to Eastman Kodak Company, Rochester, N. Y. Purification of soy bean oil. 2,117,776; May 17.
Tjoflat, Gerald R., Mount Lebanon, Pa. Thermionic electrode. 2,117,636; May 17.
Townsend, James W., assignor to The Alaska Freezer Co., Inc., Winchendon, Mass. Gear head for freezers. 2,117,923; May 17.
Trailer Company of America, The. (See Black, James J., assignor.)
Trepanier, Leo R. (See De Rome, J. J., and Trepanier, assignors.)
Tromba, John C. (See Novey, W., and Tromba.)
Trumbull Electric Manufacturing Company, The. (See Harvey, Frank, assignor.)
Tully, Francis W., Brookline, Mass. Pocket holding device. 2,117,465; May 17.
Tumbridge, Stanley S. (See Keaton, Clyde D., assignor.)
Turner, John B., Norwich, N. Y. Form for fireplaces. 2,117,379; May 17.
Tuttle, Charles F. (See Ihm, I. H., and Tuttle.)
Twin Disc Clutch Company. (See Pearmain, William J., assignor.)
Underpinning & Foundation Company. (See Lewers, George R., assignor.)
Union Switch & Signal Company, The. (See Allen, E. M., Brooks, and Thompson, assignors.)
Union Switch & Signal Company, The. (See Girardin, Louis, assignor.)
Union Switch & Signal Company, The. (See Hines, Claude M., assignor.)
Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)
Union Switch & Signal Company, The. (See Pflasterer, George R., assignor.)
Union Switch & Signal Company, The. (See Place, Willard P., assignor.)
Union Switch & Signal Company, The. (See Snavely, Clarence S., assignor.)
United Aircraft Corporation. (See Griswold, Roger W., II, assignor.)
United Aircraft Corporation. (See Sikorsky, Igor I., assignor.)
United Research Corporation. (See Ross, Ernest, assignor.)
United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
United Shoe Machinery Corporation. (See Jerram, Arthur E., assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Jacob C., assignor.)
United Shoe Machinery Corporation. (See King, Harry C., assignor.)
United Shoe Machinery Corporation. (See Lisbon, Joseph C., assignor.)
United Shoe Machinery Corporation. (See Stacey, Ernest W., assignor.)
United States Air Conditioning Corporation. (See Hall, John R., assignor.)
U S Bobbin & Shuttle Company. (See Park, Carl P., assignor.)
United States Rubber Company. (See Cobb, Henry Z., assignor.)
United States Rubber Company. (See Linscott, Chester E., assignor.)
United States Rubber Company. (See Robinson, W. J., and Galligan, assignors.)
Van Antwerp, George S., Norristown, Pa. Electrical transformer. 2,117,583; May 17.
Van der Beyl, Willem F., Rotterdam, assignor to N. V. Martens' Brandkastenfabriek, Doetinchem, Netherlands. Making heat exchangers and the like. 2,117,830; May 17.
Van Deventer, H. R. (See Ness, James G., assignor.)
Van Meter, Harry G., Battle Lake, Minn. Furnace. 2,117,924; May 17.
Van Meter, Morton, Grosse Pointe Park, Mich., assignor to The Logan Gear Company, Toledo, Ohio. Automobile brake mechanism. 2,117,925; May 17.
Van Sittert, Paul, South Euclid, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Reversible motor. 2,117,584; May 17.
Vereinigte Deutsch Metallwerke A.-G., Zweigniederlassung Suddeutsche Metallindustrie. (See Metzger, Otto, assignor.)
Voss, John H. (See Lomax, C. E., and Voss.)
Vykosky, Frank. (See Sopinski, C., and Vykosky.)
Waldie, Eveline H., Leonia, N. J. Comestible container. 2,117,864; May 17.
Walker, George L., Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Cutting torch. 2,117,751; May 17.
Walkup, Charles S., Jr. (See De Minico, Robert H., assignor.)
Wallerstein, Abraham, assignor to A-W Heating Specialties Corporation, St. Louis, Mo. Radiator fitting. 2,117,831; May 17.
Walling, Clyde E., Lakewood, Ohio. Circular relief grinder. 2,117,637; May 17.
Walstrum, James N. (See Salvatori, H., and Walstrum.)
Walter, John C., Collingswood, N. J., assignor to Wired Radio Inc., New York, N. Y. Receiver control system. 2,117,638; May 17.
Walters, John S., Lakewood, Ohio. Fuel injection system. 2,117,380; May 17.



Walther, George, near Dayton, Ohio, assignor to The Dayton Steel Foundry Company. Metal wheel. 2,117,926; May 17.
Walther, George, near Dayton, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Metal wheel. 2,117,927; May 17.
Wada, Shigenobu. (See Okawa, C., and Wada.)
Walker, William K. (See Timmis, W. W., and Walker.)
Ward, Leonard, Alamota, Kans. Insulator cap. 2,117,381; May 17.
Wardell, Solomon A., Cowley, Wyo. Take-up device. 2,117,928; May 17.
Warmuth, Henry J. (See Palmer, R. C., and Warmuth.)
Warnat, Kurt, Basel, Switzerland, assignor to Hoffman-La Roche, Inc., Nutley, N. J. Double salts of calcium ascorbate with calcium salts of other poly-hydroxy-mono-carboxylic acids and making them. 2,117,777; May 17.
Watson, Charles B., assignor of forty-nine per cent to F. G. Johnson, Omaha, Nebr. Traffic signal. 2,117,639; May 17.
Watson, George V., et al. (See Simning, Roy B., assignor.)
Watt, William W., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,117,929; May 17.
Wean Engineering Company, The. (See Wean, R. J., and McArthur, assignors.)
Wean, Raymond J., and D. A. McArthur, assignors to The Wean Engineering Company, Incorporated, Warren, Ohio. Coiling reel. 2,117,640; May 17.
Webb-Glade Pump Association. (See Rawls, Paul C., assignor.)
Weber, Emil, Evansville, Ind. Shielded ash spraying device. 2,117,865; May 17.
Weber, Ernst, Zollikon/Zurich, assignor to Matthey & Braendle, Zurich, Switzerland. Container for hot and cold liquid. 2,117,585; May 17.
Weiser, Rudolf F., Sketty-Swansea, South Wales. Apparatus for machining and threading pipe sockets and the like. 2,117,778; May 17.
Wellner, George W., Des Plaines, Ill. Anchor bolt. 2,117,832; May 17.
Wellner, George W., Des Plaines, Ill. Fabricated finished plaster construction. 2,117,833; May 17.
Wells, Leland E., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery separator. 2,117,382; May 17.
Wells, Raymond L., Attleboro, Mass. Ophthalmic mounting. 2,117,383; May 17.
Wells, Raymond L., Attleboro, Mass. Opthalmic mounting. 2,117,384; May 17.
Wells, Raymond L., Attleboro, Mass. Ophthalmic mounting. 2,117,385; May 17.
Welsh, James W., Providence, R. I., assignor to Welsh Manufacturing Company. Cover for spectacle temples. 2,117,466; May 17.
Welsh Manufacturing Company. (See Lindblom, Frank W., assignor.)
Welsh Manufacturing Company. (See Welsh, James W., assignor.)
Wemp, Ernest E., Detroit, Mich. Clutch member. 2,117,527; May 17.
West, Charles P., E. L. Harder, and L. L. Fountain, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating apparatus. 2,117,866; May 17.
Western Geophysical Company. (See Salvatori, Henry, assignor.)
Western Geophysical Company. (See Salvatori, H., and Walstrum, assignors.)
Western Union Telegraph Company, The. (See Steinmetz, Alfred A., assignor.)
Westinghouse Electric Elevator Company. (See Eames, William F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Friedmann, Paul E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gates, Henry S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jacobi, W. H., and Yost, assignors.)
Westinghouse Electric & Manufacturing Company. (See Jansa, Frantisek, assignor.)
Westinghouse Electric & Manufacturing Company. (See Leeds, Winthrop M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lenehan, Bernard E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mabry, Forrest S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mirow, Lothar, assignor.)
Westinghouse Electric & Manufacturing Company. (See Moyer, Howard R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mylius, Walter G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rutemiller, Oren G., assignor.)
Westinghouse Electric Elevator Company. (See Santini, Danilo, assignor.)
Westinghouse Electric & Manufacturing Company. (See Shutt, Charles C., assignor.)
Westinghouse Electric & Manufacturing Company. (See West, C. P., Harder, and Fountain, assignors.)
Westinghouse Electric & Manufacturing Company. (See Whittaker, Charles C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Winkler, F. C., and Moyer, assignors.)
Westlund, Oscar E., assignor to Mereen Johnson Machine Company, Minneapolis, Minn. Work holder for endless conveyers. 2,117,641; May 17.
Weston, Richard S., Joliet, Ill., assignor, by mesne assignments, to The Floyd-Wells Company, Royersford, Pa. Stove. 2,117,779; May 17.
Wetherell, Leslie O., Attleboro, assignor to The Mason-Lenzen Company, North Attleboro, Mass. Display case. 2,117,690; May 17.
Wetsel, Carlton. (See Smith, E. L., and Wetsel, assignors.)
Wetter, Thomas S., New York, N. Y. Refrigerating apparatus. 2,117,834; May 17.
Wetzel, Theodore A. (See Johnson, R. W., and Wetzel.)
Wheeler, Harley T., Dallas, Tex. Constant-pressure multi-stage packing. 2,117,528; May 17.
Wheeling Stamping Company. (See Davis, Walter T., assignor.)
Whitaker, William T., assignor to Phillips & Buttorff Mfg. Co., Nashville, Tenn. Slip-over front for hot air furnaces. 2,117,386; May 17.
White, John F., Medford, Mass., assignor, by mesne assignments, to Monsanto Chemical Company. Porous niter cake pellets and manufacturing the same. 2,117,467; May 17.
Whitecliff Development and Manufacturing Company. (See Clifton, H., and Whitehead, assignors.)
Whitehall Patents Corporation. (See Marinsky, Davis, assignor.)
Whitehead, Frederick W. (See Clifton H., and Whitehead.)
Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter drive. 2,117,999; May 17.
Whittaker, Charles C., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Section insulator with magnetic blow-out. 2,117,867; May 17.
Wiersma, John H., Chicago, Ill. Cooking utensil. 2,117,780; May 17.
Wile, Daniel D., Detroit, and R. L. Campbell, Birmingham, assignors to Detroit Lubricator Company, Detroit, Mich. Temperature control apparatus. 2,117,529; May 17.
Wilkening Manufacturing Company. (See Robertson, Delmar D., assignor.)
Willard Storage Battery Company. (See Wells, Leland E., assignor.)
Williams, Chester E., Worcester, and A. F. Anderson, Auburn, assignors to Johnson & Bassett, Inc., Worcester, Mass. Mule spindle. 2,117,387; May 17.
Williamson, Evan D., assignor to E. D. Bullard Company, San Francisco, Calif. Electric motor and controlling the same. 2,117,642; May 17.
Willis, Floyd J., Troy, Ala. Vending machine. 2,117,530; May 17.
Willson, Charles M., Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Circular saw. 2,117,586; May 17.
Wilson, John A., Detroit, Mich., assignor, by mesne assignments, to Timken-Detroit Axle Company. Liquid fuel burning apparatus. 2,117,781; May 17.
Winkler, Frederic C., Lakewood, Ohio, and G. L. Moyer, South Bend, Ind., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lighting fixture. 2,117,868; May 17.
Wired Radio, Inc. (See Walter, John C., assignor.)
Wojtkowiak, Hans, Weehawken, assignor to Luminor Electric Company, Union City, N. J. Gaseous electric discharge system. 2,118,000; May 17.
Wolcott, Glenn W., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,117,468; May 17.
Woodland, Cecil R., and C. Rhodes, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Electromagnetic switching device. 2,117,531; May 17.
Woodward Governor Company. (See Kalin, Albert, assignor.
Woodyatt, Rollin T., Chicago, Ill. Injection instrument. 2,117,469; May 17.
Woolley, Bradford G., assignor to Hammel Oil Burning Equipment Company, Inc., Providence, R. I. Oil burner. 2,117,388; May 17.
Wrathall, Leishman R., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Harmonic producer. 2,117,752; May 17.
Wrobbel, Charles R., Kingfisher, Okla. Windmill. 2,117,753; May 17.
Yale & Towne Manufacturing Company, The. (See Lowe, Charles B., assignor.)
Yancey, John R. (See Mueller, R. A., and Yancey.)
Yoder, Howard D., assignor to Penberthy Injector Company, Detroit, Mich. Vacuum or siphon breaker. 2,117,389; May 17.
Yost, Irvine A. (See Jacobi, W. H., and Yost.)
Young, Charles J., Haverford, Pa., assignor to Radio Corporation of America. Electrical conversion system. 2,117,587; May 17.
Young, L. A., Spring and Wire Corporation? (See Stewart, Theodore D., assignor.)
Zalkind, Philip, Bronx, N. Y. Container. 2,118,011; May 17.

Zareko, Walter, New York, N. Y. Ink stamp pad. 2,117,470; May 17.
Zeiss Ikon Aktiengesellschaft. (See Küppenbender, Heins, assignor.)
Zimmerman, Herbert L. (See Coldwell, J. S., and Zimmerman.)
Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Outboard swivel support. 2,117,930; May 17.
Zurcher, Ernest, Schenectady, N. Y., assignor to General Electric Company. Circuit controlling device. 2,117,869; May 17.
Zuschlag, Theodor, Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Compensation of alternating current fluctuations. 2,117,390; May 17.
Zeiss Ikon Aktiengesellschaft. (See Küppenbender, Heins, assignor.)

# LIST OF REISSUE INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 17TH DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bridge for bifocal lenses, Adjustable. A. O. Yoe. Re. 20,732; May 17.
Electron discharge device. R. U. Clark. Re. 20,727; May 17.
Fence, Electric. L. Heidger. Re. 20,725; May 17.
Hydrocarbon liquids from volatile hydrocarbon gases and vapors, Recovering. M. P. Youker. Re. 20,730; May 17.
Power converting mechanism. W. E. Hendricks. Re. 20,729; May 17.
Reflecting unit. S. Schiller. Re. 20,731; May 17.
Road maintenance machine. C. G. Anderson. Re. 20,726; May 17.
Vibrator and operating circuit therefor. W. W. Garstang. Re. 20,728; May 17.

# LIST OF PLANT INVENTIONS

Rose. J. H. Nicolas. 279; May 17.
Tree, Apple. T. E. Graham. 278; May 17.

# LIST OF DESIGN INVENTIONS

Alphabet for forming monograms or the like. M. Chernow. 109,760; May 17.
Alphabet for forming monograms or the like. M. Chernow. 109,783; May 17.
Arm rest for a glider or similar article. R. Weisman. 109,749; May 17.
Ashtray. N. G. Horwitt. 109,754; May 17.
Barrel or similar container. R. T. Corey. 109,752; May 17.
Bathtub. J. L. Houston. 109,713; May 17.
Bolster for a juvenile vehicle, Front. S. A. Snell. 109,738; May 17.
Bottle cap remover. E. Calencia. 109,695; May 17.
Bottle or similar article. R. A. Kelly. 109,755; May 17.
Bottle or similar article. R. A. Kelly. 109,763; May 17.
Bottle, Perfume. S. Schein. 109,767; May 17.
Box or similar article, Display. S. M. Wolfsheim. 109,775–7; May 17.
Bracelet. M. Oppenheim. 109,765; May 17.
Bracelet chain. J. Sand. 109,736; May 17.
Brassière. J. Abeles. 109,778; May 17.
Broiler. F. L. Talge. 109,774; May 17.
Building or the like, Service station. H. L. Ebling and H. P. Plunkett. 109,705; May 17.
Cabinet for an actuator governor. H. W. Thorell. 109,744; May 17.
Carrier for bicycles or the like, Luggage. E. F. Pawsat. 109,727; May 17.
Case or similar article, Sewing. J. H. Reichart. 109,733; May 17.
Case, Piano. W. M. Day. 109,698; May 17.
Casing, Combined wringer and washing machine. R. W. Franklin. 109,709; May 17.
Casing, Flashlight. H. Rothenberg and L. C. Grimsley. 109,758; May 17.
Chain. F. Armbrust. 109,688; May 17.
Chair. E. M. Johnson. 109,715; May 17.
Chair. D. Powell. 109,729; May 17.
Chair or similar article, Upholstered. A. Bach. 109,691–2; May 17.
Closure attachment for a pitcher or similar article. R. H. Pershall. 109,789; May 17.
Coat. S. H. Dick. 109,700–3; May 17.
Coat. J. Henschel. 109,712; May 17.
Coat. S. Lo Prete. 109,718; May 17.
Doll. A. D. Norcross. 109,723–4; May 17.
Dress. M. Armao. 109,684–7; May 17.
Dress. D. Bellinson. 109,779; May 17.
Dress. H. Berry. 109,780–1; May 17.
Dress. R. Feintuck. 109,707; May 17.
Dress. G. Lewis. 109,787; May 17.
Dress. M. Michelson. 109,721; May 17.
Dress. M. Wagner. 109,792–3; May 17.
Dress ensemble. R. Machanoff. 109,764; May 17.
Dress ensemble. M. Michelson. 109,720; May 17.
Dress ensemble. C. Warner. 109,747–8; May 17.
Fabric or similar article, Textile. A. Zavell. 109,751; May 17.
Fabric, Textile. J. Cipoth. 109,696; May 17.
Fabric, Textile. C. M. Peisner. 109,728; May 17.
Fabric, Textile. I. Strauss. 109,741–3; May 17.
Flacon. P. F. Summers. 109,773; May 17.
Goggles, Bathing. C. H. Foster. 109,761; May 17.
Guard, Snow. F. C. Cody. 109,697; May 17.
Hat. A. Van Laven. 109,746; May 17.
Head covering or the like. M. E. and J. G. Atwood and W. L. Armstrong. 109,690; May 17.
Heater, Space. H. L. Finley. 109,708; May 17.
Heel, Rubber. M. Pecker. 109,788; May 17.
Heel, Rubber. A. G. Smith. 109,768–71; May 17.
Holder, Candle. W. E. Mackelfresh, Jr. 109,719; May 17.
Hood and cape, Combined. M. E. and J. G. Atwood and W. L. Armstrong. 109,689; May 17.
Hood and scarf, Combination knitted. G. E. Brabeck. 109,782; May 17.
Jar. E. W. Fuerst. 109,753; May 17.
Lamp, Incandescent. G. Kende. 109,616; May 17.
Lighting fixture or similar article. L. L. Stewart. 109,740; May 17.
Negligee. J. E. Abrahams. 109,683; May 17.
Overshoe or similar article. E. F. Casey. 109,759; May 17.
Pipe, Smoking. A. E. Lookholder. 109,756; May 17.
Plate, Dial. M. H. Rhodes. 109,734; May 17.
Plate for display cards, Perforate protector. E. Sonin. 109,791; May 17.
Plate for oven thermometers, Face. G. J. Day. 109,699; May 17.
Plug connecter, Electrical appliance. C. B. Stevens. 109,735; May 17.
Rack, Pipe. S. Rackmales. 109,757; May 17.
Razor, Safety. L. Berk. 109,694; May 17.
Ring mounting. J. H. Schaeffer. 109,737; May 17.
Ring mounting, Finger. J. Dinhofer. 109,704; May 17.
Ring or similar article, Finger. S. Jaffe. 109,714; May 17.
Robe. S. Barsa. 109,693; May 17.
Scale. M. Garbell. 109,710; May 17.
Shoe or similar article. J. Fein. 109,786; May 17.
Spectacles, Pair of. E. M. Splaine. 109,772; May 17.
Spoon or other article of flatware. J. R. Price. 109,766; May 17.
Spread or similar article. M. F. Hauck. 109,711; May 17.
Spread or similar article. M. F. Hauck. 109,762; May 17.
Spring. G. G. Powers. 109,730; May 17.
Stamp or similar article, Tax. A. Rabito. 109,731; May 17.
Stand or the like, Griddle. L. W. Ray and F. H. Wirtz. 109,732; May 17.
Table. I. Salomon. 109,790; May 17.
Table. E. V. Trudo. 109,745; May 17.
Tablecloth, Lace. W. C. Miller. 109,722; May 17.
Tablecloth, Lace. F. P. Otto. 109,725–6; May 17.
Thermometer or the like, Bracket. M. Kominz. 109,717; May 17.
Vehicle body or similar article. P. P. Cret and J. W. Patton. 109,784–5; May 17.
Vehicle, Highway automotive passenger. C. B. Stevens. 109,739; May 17.
Vessel for animals or the like, Drinking. S. E. Werner. 109,750; May 17.
Wheel for an amusement device, Spinning. E. C. Fain. 109,706; May 17.

# LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 17TH DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid derivatives, Meta-xenyl phosphoric. E. C. Britton and S. L. Bass. 2,117,290; May 17.
Acid derivatives, Para-xenyl phosphoric. E. C. Britton and S. L. Bass. 2,117,291; May 17.
Acid esters of halogen-aminoanthraquinones, Sulphuric. O. Stallmann. 2,117,772; May 17.
Aeroplane propeller. R. P., M., and C. Cable. 2,117,788; May 17.
Aeroplane structure. R. R. Rand, Jr. 2,117,360; May 17.
Air change means for window glass insulation systems. S. A. Stoneback. 2,117,581; May 17.
Air compressor unit. A. Hallett. 2,117,479; May 17.
Air conditioner, Portable. F. R. Erbach and E. H. Swart. 2,117,410; May 17.
Airplanes, Tail skid for. W. Blume. 2,117,786; May 17.
Airscrew, Variable or controllable pitch. H. L. Milner. 2,117,674; May 17.
Alcohol by the catalytic hydrogenation of esters of carboxylic acids, Producing. L. W. Covert and C. E. Andrews. 2,118,007; May 17.
Aligning device. L. H. Strayer. 2,117,376; May 17.
Alkyl formates, Preparation of. J. L. Brill and R. W. Plummer. 2,117,600; May 17.
Ammonium dithiocarbamate, Manufacture of. R. A. Mathes. 2,117,619; May 17.
Amplifier neutralizing system. G. W. Fyler. 2,117,949; May 17.
Anhydrides, Manufacture of organic. W. J. Hale. 2,117,554; May 17.
Anthraquinone derivatives. W. Mieg. 2,117,813; May 17.
Antiseptics. L. J. Figg, Jr. 2,117,796; May 17.
Article and making the same, Plaited rubber. M. Hajoway. 2,117,418; May 17.
Article for plant nutrition. L. H. Jones. 2,117,808; May 17.
Article, Molded. H. R. Moyer. 2,117,902; May 17.
Articles, Apparatus for covering. H. Z. Cobb. 2,117,400; May 17.
Articles, Making preformed abrasive. E. S. Merriam. 2,117,970; May 17.
Articles, Method and apparatus for stenciling. E. Killy. 2,117,427; May 17.
Ash spraying device, Shielded. E. Weber. 2,117,865; May 17.
Assembler mechanism of typographical composing machines. A. S. Hayward. 2,117,555; May 17.
Automobile seat. J. S. Dorsey. 2,117,409; May 17.
Awning. O. E. Hawley. 2,117,320; May 17.
Azodyestuffs. T. Kollmann and E. Glietenberg. 2,117,731; May 17.
Balance, Spring sash. A. F. Mantz. 2,117,896; May 17.
Barrel-treating machine, Automatic. W. A. Strohl. 2,117,523; May 17.
Barrels for air guns, Removable inner. W. R. and T. S. Benjamin. 2,117,935; May 17.
Basket, Cement. R. C. Baker. 2,117,538; May 17.
Battery box. G. E. Atkins. 2,117,602; May 17.
Battery separator plate. G. Slayter. 2,117,371; May 17.
Beans, Treating soy. F. Gössel. 2,117,315; May 17.
Bearing: *See*—
  Roller bearing. Self-lubricating bearing.
  Roller thrust bearing.
Belt, Sprocket-driven. J. D. Karle. 2,117,611; May 17.
Belt support. L. A. Fritsch. 2,117,309; May 17.
Binder or loose sheet holder. L. L. Allyn. 2,117,265; May 17.
Blind, Adjustable louver. P. Grau. 2,117,953; May 17.
Board: *See*—
  Tabulating board.
Board and bench for breakfast table, Combination ironing. I. I. Polson. 2,117,499; May 17.
Bobbin and making the same. C. P. Park. 2,117,353; May 17.
Bolt. R. E. Harmon. 2,117,717; May 17.
Bolt, Anchor. G. W. Wellner. 2,117,832; May 17.
Book holder. W. V. Johnson. 2,117,667–8; May 17.
Book protector. A. E. Imperatore. 2,117,559; May 17.
Book, Spherical. J. A. Cresswell and C. H. Leavell. 2,117,946; May 17.
Boring machine. I. H. Ihm and C. F. Tuttle. 2,117,327; May 17.
Bottle and carbonator, Combined siphon. D. E. Bowman. 2,117,271; May 17.
Box: *See*—
  Battery box.
Box construction for heat treatment and the like, Gas sealing. W. Howell. 2,117,423; May 17.
Box making machine and method of folding, Paper. E. G. Staude. 2,117,460; May 17.
Bracket for electric lamp. H. W. Hapman. 2,117,884; May 17.
Brake: *See*—
  Hydrostatic brake.
Brake adjuster. A. A. Blucher. 2,117,288; May 17.
Brake mechanism, Automobile. M. Van Meter. 2,117,925; May 17.
Brake shoes, Method and apparatus for finishing. H. K. Bigelow. 2,118,003; May 17.
Braking system, Regenerative. L. Mirow. 2,117,900; May 17.
Buckle. C. H. Phillips. 2,117,980; May 17.
Buffer, Picker-stick. M. R. Haupt. 2,117,956; May 17.
Building construction. A. F. Bemis. 2,117,934; May 17.
Building, Heating. L. P. Evans. 2,117,712; May 17.
Bullet hole gauge. F. M. Hakenjos and C. B. Lister. 2,117,317; May 17.
Burner: *See*—
  Gas burner. Liquid fuel burner.
  Fluid fuel burner. Oil burner.
Burner regulating mechanism. O. L. Bock. 2,117,787; May 17.
Cabinet: *See*—
  Meter cabinet. Towel vending cabinet.
  Refrigerating cabinet.
Cable: *See*—
  Electric cable.
Cable wrapping machine. H. C. Hunter. 2,117,959; May 17.
Calks for horseshoes, Manufacturing exchangeable. J. O. Nygaard and O. Mlsen. 2,117,817; May 17.
Calculating machine. W. E. Mathl. 2,117,620; May 17.
Cam grinding machine, Automatic. H. A. Silven and C. G. Flygare. 2,117,916; May 17.
Camera attachment. M. Schwartz. 2,117,510; May 17.
Camera, Photographic. H. Küppenbender. 2,117,428–9; May 17.
Camera shutter. J. Mihalyi. 2,117,971; May 17.
Camera shutter release. J. Mihalyi. 2,117,972; May 17.
Cap: *See*—
  Insulator cap.
Cap and adapter for same. W. N. Glab. 2,117,473; May 17.
Cap spotting machine, Crown. J. B. Elsen and C. H. Rasmussen. 2,117,711; May 17.
Capacitor, Electric. F. M. Clark. 2,117,874; May 17.
Car wall, Insulated. C. D. Bonsall. 2,117,397; May 17.
Carbon or graphite, Purifying. J. S. Owens, J. S. Peake, and R. G. Fowler. 2,117,497; May 17.
Carbonyl compounds and catalyst therefor, Hydrogenating. C. E. Andrews and L. W. Covert. 2,118,001; May 17.
Card holder. R. H. De Minico. 2,117,545; May 17.
Carton. L. W. Reaume. 2,117,678; May 17.
Cartridge with air deflector, Dust gun. W. H. Rose. 2,117,362; May 17.
Case: *See*—
  Display case. Vanity case.
Casing float collar. D. Hanes. 2,117,318; May 17.
Casing in wells and drilling under control, Setting and equipping. R. A. Mueller and J. R. Yancey. 2,117,444; May 17.
Casings in wells, Perforating. J. G. Dyer. 2,117,277; May 17.
Castings, Making. J. Flammang, P. L. Bowser, and H. Ernst. 2,117,948; May 17.
Cellulose mixed ester composition containing an alkyl ester of a dicarboxylic aliphatic acid. H. B. Smith. 2,117,827; May 17.
Cellulosic articles. T. F. Banigan. 2,117,392; May 17.
Cement retainer and bridge plug, Wire line operated. R. C. Baker and C. E. Burt. 2,117,535; May 17.
Chain structure, Expansible. S. O. Bigney. 2,117,395; May 17.
Chair. C. H. Parker. 2,117,821; May 17.
Changeable exhibitor. L. Kilborn. 2,117,613; May 17.
Chemicals into an oil stream, Introducing and mixing. H. B. Cleary. 2,117,789; May 17.
Chuck. R. M. Seawright, (Robert M. F. Seawright). 2,117,746; May 17.
Cigarette dispensing device. J. A. Sigg. 2,117,370; May 17.
Cigarette package. B. McPherson. 2,117,342; May 17.
Circuit: *See*—
  Ignition circuit. Electric valve circuit.
Circuit breaker. K. Koch. 2,117,892; May 17.
Circuit controlling device. E. Zurcher. 2,117,869; May 17.
Circuit for controlling signal transmission in two-way signaling systems. K. H. Davis. 2,117,708; May 17.





Circuits, Frequency selective. C. W. Green. 2,117,843; May 17.
Clamp: *See*—
  Hair curling clamp. Wire or cable clamp.
Cleaner: *See*—
  Suction cleaner.
Cleaning composition. E. P. MacDonald and N. W. Stenglein. 2,117,438; May 17.
Clock, Electric. F. R. Borgfeldt. 2,117,873; May 17.
Clock, Electrically driven master. F. Schneider. 2,117,508; May 17.
Closure, Gasket. A. E. Jesser. 2,117,807; May 17.
Closure plate, Instrument. A. E. Krogh. 2,117,615; May 17.
Cloth, Photographic tracing. G. F. Nadeau and H. R. Couch. 2,117,814; May 17.
Clothes drier. T. Principessa. 2,117,627; May 17.
Clutch-lever plate. H. C. Klix. 2,117,482; May 17.
Clutch member. E. E. Wemp. 2,117,527; May 17.
Coasters, Mechanical movement for motor. D. Henderson. 2,117,886; May 17.
Coating for footwear and other articles, Protective. R. W. Albright and A. Szegvari. 2,117,532; May 17.
Cocoa and sugar compound and making same. H. T. Middleton. 2,117,344; May 17.
Coffee and preserving its flavor, Treating. A. J. Hazle, Jr. 2,118,010; May 17.
Coffee maker, Electric. C. D. Keaton. 2,117,729; May 17.
Coiling reel. R. J. Wean and D. A. McArthur. 2,117,640; May 17.
Colostomy appliance. E. G. Mills. 2,117,621; May 17.
Combustion, Apparatus for producing progressively delayed. F. S. Bloom. 2,117,270; May 17.
Comestible container. E. H. Waldie. 2,117,864; May 17.
Communication system. W. P. Place. 2,117,358; May 17.
Component of an alternating current or an alternating voltage, System for measuring a. W. Thal. 2,117,462; May 17.
Compressor. W. G. Pontis, W. A. Chryst, C. H. Kindl, and B. D. Kunkle. 2,117,448; May 17.
Compressor, Electrically driven. G. Székely. 2,117,863; May 17.
Compressor structure. L. H. Browne. 2,117,601; May 17.
Condenser: *See*—
  Electrolytic condenser. Evaporative condenser.
Connecter: *See*—
  Flanged plate timber connecter. Tubular connecter.
Connecter. F. W. Frey. 2,117,308; May 17.
Connection for heat-insulated containers, Draw-off. C. W. Davis. 2,117,276; May 17.
Contact device for electric master clocks. F. Schneider. 2,117,507; May 17.
Container: *See*—
  Comestible container. Foldable container.
Container. J. M. Hothersall. 2,117,324; May 17.
Container. P. Zalkind. 2,118,011; May 17.
Container for hot and cold liquids. E. Weber. 2,117,585; May 17.
Containers, Apparatus for filling high pressure gas. J. Okada. 2,117,819; May 17.
Control equipment, Automatic. H. Bany. 2,117,871; May 17.
Control for electrically operated lifts, System of. A. A. Chubb. 2,117,839; May 17.
Control for electrically operated lifts, System of. A. A. Chubb and N. C. Smart. 2,117,838; May 17.
Control for fluid motors. G. H. J. Baule. 2,117,595; May 17.
Control mechanism for linecasting and composing machines. M. T. Goetz and H. W. Hudson. 2,117,474; May 17.
Control system. W. F. Eames. 2,117,875; May 17.
Conveyer, Overhead traveling. C. R. Schock and C. L. Koehler. 2,117,988; May 17.
Cord lock. W. J. Stuber. 2,117,918; May 17.
Corer, Fruit. G. C. Ainsworth. 2,117,278; May 17.
Cover for spectacle temples. J. W. Welsh. 2,117,166; May 17.
Current fluctuations, Compensation of alternating. T. Zuschlag. 2,117,390; May 17.
Curtain holder, Adjustable. H. T. Funk. 2,117,714; May 17.
Curtain suspension and curtain reeving appliance. G. F. French. 2,117,606; May 17.
Cushion, Spring and air. M. Stubnitz. 2,117,524; May 17.
Cushion structure, Spring. T. D. Stewart. 2,117,748; May 17.
Cut seaming machine. W. J. Robinson and J. J. Galligan. 2,117,452; May 17.
Cutter: *See*—
  Inside casing cutter.
Cutter and the like, Dough batch. C. E. Carpenter. 2,117,399; May 17.
Cyclohexene derivatives. W. G. Christiansen. 2,117,299; May 17.
Cylinder, Printing. O. R. Huggins. 2,117,722; May 17.
Damper winding thermal protection. C. C. Shutt. 2,117,915; May 17.
Decimal point indicating mechanism for slide rule computations. H. Gilmore. 2,117,413; May 17.
Decoder and regenerative repeater. R. M. Hicks and E. R. Leroy. 2,117,804; May 17.
Decorating device structure. L. L. Raymond. 2,117,501; May 17.
Delivery device for wrapping machines. E. L. Smith and C. Wetsel. 2,117,517; May 17.
Dental instrument. R. F. Grieco. 2,117,844; May 17.
Derivatives of pyridine and quinoline and their preparation. L. G. S. Brooker and G. H. Keyes. 2,117,936; May 17.
Designs in imitation of paintings, Producing. L. Eriksen. 2,117,795; May 17.
Desk and seat, Combined. W. J. Sponsler. 2,117,686; May 17.
Device for predetermining location of fasteners. L. Roseman. 2,117,453; May 17.
Die for forming disk wheels, Water cooled. C. S. Swanson. 2,118,018; May 17.
Differential pinion gauge. A. E. Price. 2,117,854; May 17.
Direction finding method. E. Kramar. 2,117,848; May 17.
Dispenser. W. B. and W. C. Damsel. 2,117,791; May 17.
Dispensing apparatus, Coin controlled. P. Lohn. 2,117,437; May 17.
Dispensing device. R. H. Smith, Jr. 2,117,685; May 17.
Display case. L. O. Wetherell. 2,117,690; May 17.
Display device. R. S. Going. 2,117,882; May 17.
Distillation process. K. C. D. Hickman. 2,117,802; May 17.
Distributing mechanism of typographical composing machines. T. R. Castle. 2,117,541; May 17.
Distribution device. A. J. Smith and G. J. Coupe. 2,117,372; May 17.
Doll, Utility. E. Johnson. 2,117,962; May 17.
Door. L. Chartier. 2,117,542; May 17.
Douche apparatus. V. W. Morton and M. F. Schweiger. 2,117,622; May 17.
Draft regulator. H. V. Linhard. 2,117,672; May 17.
Drainage intake, Self-cleaning. H. Holland. 2,117,887; May 17.
Dredge. G. H. Hutton. 2,117,326; May 17.
Dress, Reversible. M. H. Porter. 2,117,449; May 17.
Drier: *See*—
  Clothes drier.
Drill: *See*—
  Earth boring drill.
Drill with blowing device, Rock. E. B. Lear. 2,117,810; May 17.
Drive, Engine starter. M. P. Whitney. 2,117,090; May 17.
Dump body for auto trucks. V. R. Myers. 2,117,508; May 17.
Dump vehicle. J. P. Anderson. 2,117,592; May 17.
Dye and color lakes and their production, New azo. A. Siegel. 2,117,859; May 17.
Dye, Azo. H. W. Daudt. 2,117,707; May 17.
Dyes, Azo. H. Jordan and S. S. Rosander. 2,117,425–6; May 17.
Dyes, Azo. G. Reddelien and G. Matthaeus. 2,117,745; May 17.
Dyeings, Production of fast. K. Koeberle, H. Scholz, and J. Eisele. 2,117,614; May 17.
Dyestuffs and their manufacture, Anthraquinone. N. H. Haddock and F. Lodge. 2,117,476; May 17.
Dyestuffs and their production, Monoazo. A. H. Knight. 2,117,334; May 17.
Dyestuffs, Azo. H. Krzikalla and P. Garbsch. 2,117,733; May 17.
Dyestuffs of the anthraquinone series and their manufacture. A. Peter. 2,117,569; May 17.
Earth boring drill. C. E. Reed. 2,117,679; May 17.
Earthworking tool. H. Stemman. 2,117,461; May 17.
Egg yolk and white separator. S. Meckler. 2,117,899; May 17.
Electric cable. O. Cords. 2,118,005; May 17.
Electric discharge device. D. G. Prinz. 2,117,993; May 17.
Electric discharge system, Gaseous. H. Wojtkowiak. 2,118,000; May 17.
Elastic fabric. J. V. Moore. 2,117,975; May 17.
Electric furnace. G. E. Sell. 2,117,913; May 17.
Electric switch. O. Aldinger. 2,117,782; May 17.
Electric head lamp. A. Leipold and A. Boehm. 2,117,967; May 17.
Electric switch, Cord-type. F. Lobl. 2,117,966; May 17.
Electric transmission line, Overhead. F. M. Crapo. 2,118,008; May 17.
Electric valve circuit. C. Okawa and S. Wada. 2,117,908; May 17.
Electrical apparatus. H. S. Gates. 2,117,879; May 17.
Electrical attachment device. J. G. Ness. 2,117,816; May 17.
Electrical circuit tester. R. J. Stull. 2,117,582; May 17.
Electrical conversion system. C. J. Young. 2,117,587; May 17.
Electrical distribution system. W. H. Frank and J. W. Harper. 2,117,307; May 17.
Electrical indicating means. M. L. Haselton. 2,117,661; May 17.
Electrical transformer. G. S. Van Antwerp. 2,117,583; May 17.

Electrocuting trap. E. A. Lindsley. 2,117,767; May 17.
Electrode. R. H. George. 2,117,842; May 17.
Electrode feeding mechanism for high intensity arc searchlights. O. G. Rutemiller. 2,117,911; May 17.
Electrode feeding mechanism for searchlights. W. H. Jacobi and I. A. Yost. 2,117,888; May 17.
Electrode, Glass. H. Bender and D. J. Pye. 2,117,596; May 17.
Electrode, Thermionic. G. B. Tjoflat. 2,117,636; May 17.
Electrolytic condenser. C. de Lange. 2,117,792; May 17.
Electromagnetic switching device. C. R. Woodland and C. Rhodes. 2,117,531; May 17.
Electron discharge device. C. J. Davisson. 2,117,709; May 17.
Electron discharge tube. R. G. Bennett. 2,118,002; May 17.
Elevator system. D. Santini. 2,117,912; May 17.
Enclosed electric switch. H. E. Schleicher and M. Guett. 2,117,987; May 17.
Enclosure for radiators. H. M. Schick. 2,117,914; May 17.
Engine: *See*—
Internal combustion engine. Rotary steam engine.
Engine assembly. J. O. Heinze. 2,117,662; May 17.
Eraser holder. T. E. T. Mosher. 2,117,443; May 17.
Esters of acrylic acid. H. T. Neher. 2,117,349; May 17.
Esters of leucoacylamino-anthrapyrimidines. K. Koeberle, W. Muenster, and W. Schneider. 2,117,431; May 17.
Evaporative condenser. F. R. Erbach. 2,117,411; May 17.
Evaporator. K. Löbl and K. Kästr. 2,117,337; May 17.
Evaporator for refrigerating machines. C. Steenstrup. 2,117,861; May 17.
Exercising device. H. F. Heller. 2,117,957; May 17.
Exposure meter. L. Leitz. 2,117,734; May 17.
Extractor and mixer, Combined juice. F. J. Osuch. 2,117,496; May 17.
Eye-muscle exerciser. A. B. Sams. 2,117,825; May 17.
Fabric: *See*—
Elastic fabric.
Fabric and making the same, Tufted. K. T. Greenwood. 2,117,954; May 17.
Fabric testing device, Knitted. J. K. Cobert. 2,117,402; May 17.
Fabrics, Dampening. T. McConnell. 2,117,491; May 17.
Fabrics from rope form, Opening of textile. J. Dungler. 2,117,603; May 17.
Fan, Centrifugal. H. F. Hagen. 2,117,416; May 17.
Fan unit. J. C. Garrott. 2,117,310; May 17.
Fastener: *See*—
Molding fastener. Separable fastener.
Fastening device. G. A. Tinnerman. 2,117,775; May 17.
Fastening device for automobile hoods or the like. A. Claud-Mantle. 2,117,339; May 17.
Feeder: *See*—
Proportional feeder.
Film movement, Mechanism for causing intermittent. O. J. Holmes. 2,117,806; May 17.
Film removing apparatus, Electrolytic. J. J. Buchser. 2,117,294; May 17.
Film-treating device. L. Soman. 2,117,828; May 17.
Filter with renewable filtering element, Oil. F. L. Rohrbach. 2,117,361; May 17.
Fingerin attachment for stringed musical instrument. J. J. Richman. 2,117,628; May 17.
Finned structure and method of making same. L. Niemchek. 2,117,445; May 17.
Fire extinguisher. G. Schaaf. 2,117,684; May 17.
Firearm. J. Hásek. 2,117,885; May 17.
Firearm. A. Seidel. 2,117,826; May 17.
Fish race apparatus. I. I. Levenstein. 2,117,616; May 17.
Fixture, Curtain and drapery. T. Castello. 2,117,941; May 17.
Fixture, Light dimming. H. Hertzberg. 2,117,608; May 17.
Flanged plate timber connecter. J. E. Myer and A. C. Horner. 2,117,567; May 17.
Flap, Slotted deflector. R. W. Griswold, II. 2,117,607; May 17.
Flashlight and shutter operating device for cameras. M. Schwartz. 2,117,509; May 17.
Fluid fuel burner. W. H. Perry. 2,117,356; May 17.
Fluid, Preinjection. C. M. Carlson. 2,117,297; May 17.
Fluid pressure control apparatus. T. R. Harrison and F. W. Side. 2,117,800; May 17.
Foldable container. S. Reich. 2,117,502; May 17.
Footstock for cam lapping machines. H. S. Indge and G. E. Hulbert. 2,117,960; May 17.
Footwear and other articles, Protection of. A. H. Felkert. 2,117,305; May 17.
Form, Food. I. M. Adams. 2,117,266; May 17.
Form for fireplaces. J. B. Turner. 2,117,379; May 17.
Form for masonry structures, Flexible. W. C. Dunn. 2,117,549; May 17.
Frame: *See*—
Twisting frame.
Frame construction. F. F. Bell. 2,117,269; May 17.
Frame for looms, Heddle. J. J. Kaufmann. 2,117,612; May 17.
Freezer, Ice cream. R. M. Kaufmann. 2,117,332; May 17.
Front for hot air furnaces, Slip-over. W. T. Whitaker. 2,117,386; May 17.
Fuel briquettes, Making. O. P. M. and W. C. Goss. 2,117,415; May 17.
Fuel burning apparatus, Liquid. J. A. Wilson. 2,117,781; May 17.
Fuel injection system. J. S. Walters. 2,117,380; May 17.
Fuel injection valve. R. Schlatter. 2,117,367; May 17.
Fuel, Motor. J. W. Jean. 2,117,600–10; May 17.
Furnace: *See*—
Electric furnace. Oil furnace.
Furnace. H. G. Van Meter. 2,117,924; May 17.
Fuse assembly, Safety type. E. R. Mills. 2,117,346; May 17.
Fuse substance and producing same. F. D. Austin. 2,117,282; May 17.
Garment hanger. M. L. Donnellan. 2,117,656; May 17.
Garment, Tubular woven elastic. J. V. Moore. 2,117,974; May 17.
Garter construction. E. Bliesath. 2,117,286; May 17.
Gas burner. R. C. Dailey. 2,117,275; May 17.
Gas burner. O. Lutherer. 2,117,968; May 17.
Gas control valve. A. B. Cochrane. 2,117,944; May 17.
Gas holder. T. M. Goodrich. 2,117,314; May 17.
Gas valve. B. L. Matthews and J. T. Marvin. 2,118,013; May 17.
Gases to liquid, Thermolytic conversion of hydrocarbon. J. W. Throckmorton. 2,117,464; May 17.
Gate: *See*—
Wicket gate.
Gauge: *See*—
Bullet hole gauge. Liquid level gauge.
Differential pinion gauge. Pinhole gauge.
Gauge. W. Ames. 2,117,267–8; May 17.
Gear: *See*—
Stepless change gear.
Gear head for freezers. J. W. Townsend. 2,117,923; May 17.
Gem setting. J. C. Link. 2,117,736; May 17.
Getter. P. S. Lester. 2,117,735; May 17.
Glass construction, Contact. D. H. Row. 2,117,770; May 17.
Glove, Static resisting. S. S. and J. B. Hall. 2,117,417; May 17.
Governor. A. Kalin. 2,117,891; May 17.
Gravimeter. H. M. Evjen. 2,117,471; May 17.
Grid grill, Composite. H. Studer. 2,117,749; May 17.
Grid retaining means for electrical appliances. H. A. Smith. 2,117,579; May 17.
Grinder, Circular relief. C. E. Walling. 2,117,637; May 17.
Grinding device. S. Kiesskalt and W. Mejer. 2,117,965; May 17.
Grinding machine. W. Ogilvie. 2,117,979; May 17.
Grinding machine, Automatic. H. A. Silven. 2,117,917; May 17.
Guard for automobiles, Grille. B. L. Snyder. 2,117,519; May 17.
Guard structure, Knock-down window. M. S. Gibson. 2,117,950; May 17.
Guide control means for web material. P. E. Friedemann. 2,117,878; May 17.
Hair curling clamp. A. Mazzola. 2,117,490; May 17.
Hammer for stamping with counter-tup, Power. L. Saives. 2,117,575; May 17.
Hammer, Magnetic reciprocating. A. L. Goddard. 2,117,880; May 17.
Handle: *See*—
Umbrella handle.
Handle and lock, Door. G. N. Harden. 2,117,420; May 17.
Hanger: *See*—
Garment hanger. Stick hanger.
Harmonic producer. L. R. Wrathall. 2,117,752; May 17.
Heat, Apparatus for transfer of. E. G. Jay. 2,117,961; May 17.
Heat exchangers and the like, Making. W. F. van der Beyl. 2,117,830; May 17.
Heel slotting machine, Wood. A. C. Rogge. 2,117,769; May 17.
Heels to shoes, Securing. H. Gordon and A. C. Rogge. 2,117,475; May 17.
Helmet sweat, Adjustable. G. E. Holmes. 2,117,764; May 17.
Hides and skins, Tanning of. M. M. Merritt. 2,117,343; May 17.
Hitch, Trailer. L. Marsch. 2,117,562; May 17.
Holder: *See*—
Binder or loose sheet holder. Scale pencil holder.
Card holder. Shoe holder.
Curtain holder. Sliced bread holder.
Eraser holder. Tooth brush holder.
Gas holder. Trash bag holder.
Holder for endless conveyers, Work. O. E. Westlund. 2,117,641; May 17.
Holder for tank wagon receptacles, Safety. A. R. Pool. 2,117,992; May 17.
Holder for twin pails. F. G. Curtis. 2,117,404–5; May 17.
Hose. R. Taylor. 2,117,921; May 17.
Housing structure and its construction. J. A. Stromberg. 2,117,996; May 17.
Hydrocarbons, Converting. H. C. Schutt. 2,117,457; May 17.





Hydrocarbons from hydrocarbon gases, Extracting and recovering volatile. H. E. Drennan. 2,117,548; May 17.
Hydrostatic brake. C. Sauzedde. 2,117,683; May 17.
Ice making method and apparatus. T. B. Gilliam. 2,117,658; May 17.
Ignition circuit. H. B. Holthouse. 2,117,422; May 17.
Illuminating means for projection apparatus. E. May. 2,117,737; May 17.
Implement, Making a dietician's. W. Echternach. 2,117,876; May 17.
Incineration. G. R. Lewers. 2,117,487; May 17.
Indexing station type machine. D. H. Montgomery and A. H. Jobert. 2,118,015; May 17.
Indicating and control apparatus. J. L. McWeeny. 2,117,441–2; May 17.
Indicator: *See*—
Salinity indicator.
Indicator and metering device. C. F. Terrell, Jr. 2,117,922; May 17.
Ingots from molds, Apparatus for stripping. E. Gathmann. 2,117,311; May 17.
Inhaling equipment. C. E. P. Gourdou. 2,117,952; May 17.
Injection instrument. R. T. Woodyatt. 2,117,469; May 17.
Ink stamp pad. W. Zareko. 2,117,470; May 17.
Insect exterminator, sterilizer, and drier. M. M. Hamrick and F. B. Spence. 2,117,419; May 17.
Inside casing cutter. R. W. Barrett. 2,117,594; May 17.
Inside casing cutter. G. W. Bowen. 2,117,599; May 17.
Insulation, Electrical. M. M. Safford. 2,118,017; May 17.
Insulator cap. L. Ward. 2,117,381; May 17.
Insulator with magnetic blow-outs, Section. C. C. Whittaker. 2,117,867; May 17.
Internal combustion engine. V. D. Brott. 2,117,292; May 17.
Internal combustion engine. H. L. Burkhardt. 2,117,700; May 17.
Internal combustion engine. H. Krebs. 2,117,433; May 17.
Internal combustion engine. E. G. Reid. 2,117,983; May 17.
Ionic discharge tube. D. M. Duinker and J. G. W. Mulder. 2,117,794; May 17.
Iron cores for electromagnet coils, Producing. W. Scheppmann. 2,117,856; May 17.
Isopulegol, Producing. H. B. Glass. 2,117,414; May 17.
Isopulegol, Producing. C. O. Terwilliger. 2,117,463; May 17.
Jet cleaning device. F. Boehm. 2,117,647; May 17.
Joint: *See*—
Universal joint.
Joint for building units, Atmospheric protected flexible. W. E. S. Strong. 2,117,377; May 17.
Ketone-nitrile condensation products. H. Hopff and G. Steinbrunn. 2,117,720; May 17.
Key retainer, Handbag. A. P. Ryan. 2,117,989; May 17.
Kiln. J. T. Robson and G. R. Sylvester. 2,117,994; May 17.
Knitting machine and process of knitting, Circular. W. N. Taggart. 2,117,920; May 17.
Knob fastening device. J. J. De Rome and L. R. Trepanier. 2,117,947; May 17.
Lamp: *See*—
Electric head lamp.
Lamphouse, Photographic enlarger. W. F. G. Bell. 2,117,754; May 17.
Lasting machine. J. C. Jorgensen. 2,117,331; May 17.
Lasting machine. J. C. Lisbon. 2,117,336; May 17.
Latch handle structure, Vehicle door. L. E. Clinker. 2,117,943; May 17.
Laundry unit. R. G. Curtis. 2,117,406; May 17.
Leakage system for hydraulic apparatus, Constant. R. W. Dinzl. 2,117,303; May 17.
Leather, Dyeing of. J. Burchill. 2,117,699; May 17.
Lift device for snow plows, Safety. R. McMaster. 2,117,561; May 17.
Lifter: *See*—
Meat lifter.
Lighter and flashlight, Pocket. W. L. Morris. 2,117,976; May 17.
Lighter, Cigar. J. H. Cohen. 2,117,703; May 17.
Lighting by sustained luminescence. R. A. Coustal. 2,117,544; May 17.
Lighting device, Electric. H. A. Douglas. 2,117,755–62; May 17.
Lighting fixture. F. C. Winkler and G. L. Moyer. 2,117,868; May 17.
Lighting fixture, Street. A. G. Steinmayer and R. L. Smythe. 2,117,862; May 17.
Lights, Controlling printing. C. F. Jones. 2,117,727; May 17.
Liquid fuel burner. J. Mohr. 2,117,740; May 17.
Liquid handling mechanism. E. J. Svenson. 2,117,750; May 17.
Liquid level gauge. L. B. Bacon. 2,117,933; May 17.
Liquids, Treating. J. H. Fessler and H. C. Johnson. 2,117,604; May 17.
Lister furrow blocker, Two-row. J. W. Kennedy, W. P. Ramsey, and M. W. Lee. 2,117,609; May 17.
Lock: *See*—
Cord lock. Window lock.
Switch lock.
Lock. E. Sinner. 2,117,515; May 17.
Lock and latch. H. J. Godfried. 2,117,715; May 17.
Looms, Electric feeler mechanism for. S. O. Dodge. 2,117,304; May 17.
Loop-forming and attaching device. J. D. Karle. 2,117,964; May 17.
Machine for applying decalcomanias. F. X. Malocsay. 2,117,618; May 17.
Machine for applying pressure to shoe bottoms. S. J. Finn. 2,117,306; May 17.
Machine for operating on shoe parts. E. W. Stacey. 2,117,374; May 17.
Machine for use in manufacturing boiler shells. C. B. Langstroth. 2,117,435; May 17.
Machine tool. M. S. Curtis. 2,118,020–3; May 17.
Machine tool. W. W. Potter and M. S. Curtis. 2,118,024; May 17.
Magasines of typographical composing machines, Changing the. R. H. Scott. 2,117,576; May 17.
Mailing device. S. J. Bienstock. 2,117,539; May 17.
Marker, Lane. L. M. Prince, Jr. 2,117,982; May 17.
Match books, Manufacture of. E. Bravi. 2,117,281; May 17.
Match splint forming machine. R. F. and O. Onsrud. 2,117,446; May 17.
Material, Coating. H. F. Saunders and C. D. Downs. 2,117,366; May 17.
Material, Making light-weight molded. A. A. Fowler and R. M. Otis. 2,117,605; May 17.
Material, Process and apparatus for impregnating fibrous sheet. C. E. Linscott. 2,117,432; May 17.
Material sensitive to overheating, Drying. J. M. and R. V. Pehrson. 2,117,822; May 17.
Material, Waterproofing sheet. J. W. Pearl. 2,117,355; May 17.
Materials in the manufacture of hard surface floor coverings, Apparatus for face saturating porous. L. E. Crew. 2,117,840; May 17.
Mattress tufting machine. J. Sohn. 2,117,458; May 17.
Measuring device. F. G. Bloch. 2,117,287; May 17.
Meat lifter. D. Paloni. 2,117,447; May 17.
Meats and the like, Curing of. L. A. Hall. 2,117,478; May 17.
Member for friction clutches, Driven. M. Katcher. 2,117,728; May 17.
Mercurial derivatives of camphoramic acid and its salt and preparing the same, Therapeutically active organic. N. M. Molnar. 2,117,901; May 17.
Metal bearing stock, Manufacturing strip. L. Sandler. 2,117,454–5; May 17.
Metal bisulphite reaction products, Treatment of terpene alcohol-alkali. R. C. Palmer and H. J. Warmuth. 2,117,851; May 17.
Metal wheel. G. Walther. 2,117,926–7; May 17.
Metals, Method of and composition for purifying. I. E. Muskat. 2,117,348; May 17.
Meter: *See*—
Exposure meter.
Polyphase detachable meter.
Meter attachment. H. Clifton and F. W. Whitehead. 2,117,653; May 17.
Meter cabinet. J. B. Cooper. 2,117,945; May 17.
Metering system, Remote. B. E. Lenehan. 2,117,894; May 17.
Milk-dispensing device. H. Smith and D. J. Cohn. 2,117,747; May 17.
Milk product and making the same, Chocolate. F. L. Sanna. 2,117,682; May 17.
Milk products. A. R. and F. L. Sanna. 2,117,681; May 17.
Moistening device. E. M. Brooks. 2,117,272; May 17.
Mold form apparatus. W. A. Jennings. 2,117,560; May 17.
Molding fastener. B. C. Place. 2,117,571; May 17.
Molding for upholstering, Finishing. J. I. Hamm. 2,117,883; May 17.
Molding, Outlet. A. A. Steinmetz. 2,117,773; May 17.
Motor: *See*—
Reversible motor.
Motor and controlling the same, Electric. E. D. Williamson. 2,117,642; May 17.
Motor vehicle. H. Krebs. 2,117,434; May 17.
Mount, Gun sight. S. T. Smith. 2,117,634; May 17.
Mounting: *See*—
Ophthalmic mounting.
Spectacle-temple mounting.
Mower, Lawn. T. D. Bateson. 2,117,393; May 17.
Muffler. W. J. Misewicz and F. J. Kaminski. 2,117,973; May 17.
Musical instrument. W. O. Miessner. 2,117,345; May 17.
Needle, Weaving. A. S. Nelson. 2,117,350; May 17.
Nickel anode. C. G. Bieber and M. P. Buck. 2,117,284; May 17.
Nicotine from tobacco, Extracting. R. J. Hyatt. 2,117,558; May 17.
Niter cake pellets and manufacturing the same, Porous. J. F. White. 2,117,467; May 17.
Nitromethane, Manufacture of. G. L. Allen, Jr. 2,117,931; May 17.
Nozzle, Suction. A. Eriksson-Jons. 2,117,329; May 17.
Oil burner. L. L. Scott. 2,117,512; May 17.
Oil burner. B. G. Woolley. 2,117,388; May 17.
Oil burner, Fuel. E. E. Goehler. 2,117,881; May 17.
Oil circuit breaker. W. M. Leeds. 2,117,893; May 17.

Oil composition, Mineral. R. Bulkley. 2,117,602; May 17.
Oil from water, Apparatus for removing. J. W. Brown. 2,117,273; May 17.
Oil furnace. L. L. Scott. 2,117,511; May 17.
Oil, Purification of soy bean. A. O. Tischer. 2,117,776; May 17.
Oil seal ring. W. Novey and J. C. Tromba. 2,117,849; May 17.
Olefines, Polymerization of. J. N. J. Perquin. 2,117,498; May 17.
Operating mechanism for clutches. C. B. Spase. 2,117,520; May 17.
Ophthalmic mounting. R. L. Wells. 2,117,383–5; May 17.
Optical illusion device. S. Sprague. 2,117,635; May 17.
Organic compounds, High molecular. K. Koeberle and O. Schlichting. 2,117,730; May 17.
Orifice device, Adjustable. W. W. Timmis and W. K. Walker. 2,117,998; May 17.
Ornament and mounting therefor. O. F. Placco. 2,117,823; May 17.
Outboard swivel support. W. F. Zimmermann. 2,117,930; May 17.
Package for liquids, Dispensing. B. F. Cahoon. 2,117,296; May 17.
Packing, Bearing. Z. E. Flick, J. R. Price, and L. G. Seacat. 2,117,472; May 17.
Packing, Constant pressure multistage. H. T. Wheeler. 2,117,528; May 17.
Packing for perishable victuals. O. Metzger. 2,117,738; May 17.
Packing machine. A. C. Prior. 2,117,625; May 17.
Pad: *See*—
Ink stamp pad.
Pail, Milking. J. F. George. 2,117,799; May 17.
Pane holding device, Glass. J. F. Campion. 2,117,939; May 17.
Paper punching machine, Photographic. E. P. Flynn and G. F. Roble. 2,117,797; May 17.
Parachute apparatus. R. H. Hart. 2,117,319; May 17.
Pasters, Process and apparatus for making high speed. G. J. Patitz. 2,117,676; May 17.
Pencil. F. H. Manzano. 2,117,439; May 17.
Phosphates, Organic. S. L. Bass. 2,117,283; May 17.
Phosphorus, Apparatus for producing. H. A. Curtis and R. L. Copson. 2,117,301; May 17.
Photoengraving equipment. S. B. Anson. 2,117,279; May 17.
Phthalic anhydride production. F. Porter. 2,117,359; May 17.
Pinhole gauge. J. Sunnen. 2,117,526; May 17.
Pipe: *See*—
Tobacco pipe.
Well drill pipe.
Pipe cleaning device. E. F. Gobatti. 2,117,659; May 17.
Pipe holding device. H. Allen. 2,117,783; May 17.
Pipe sockets and the like, Apparatus for machining and threading. R. Weiser. 2,117,778; May 17.
Piston ring construction. D. D. Robertson. 2,117,986; May 17.
Plasticiser from scrap cellulose ester products, Recovering. G. F. Nadeau and L. K. Ellers. 2,117,815; May 17.
Plaster construction, Fabricated finished. G. W. Wellner. 2,117,833; May 17.
Plastic products, Vulcanization of. C. H. Alexander. 2,117,591; May 17.
Plasticiser and method for manufacturing. H. A. Bruson. 2,117,293; May 17.
Plug. N. Chirelstein. 2,117,298; May 17.
Pocket holding device. F. W. Tully. 2,117,465; May 17.
Pole alternator, Definite. L. H. Palmer. 2,117,991; May 17.
Polymerization products, Manufacture of new. R. Hill. 2,117,321; May 17.
Polyphase detachable meter. W. G. Mylius. 2,117,904; May 17.
Popper, Corn. T. V. Barnard. 2,117,872; May 17.
Port closure device. C. K. Textor. 2,117,774; May 17.
Pothead. T. F. Brandt. 2,117,696–7; May 17.
Power distribution. F. Harvey. 2,117,480; May 17.
Power take-off. A. C. Richardson. 2,117,503; May 17.
Power transmission mechanism. E. E. Cotanch. 2,117,654; May 17.
Power transmission system. F. Jansa. 2,117,889; May 17.
Printing, Multicolor. A. C. Dobroth, Jr. 2,117,546; May 17.
Printing telegraph system and apparatus. R. D. Salmon. 2,117,855; May 17.
Prop for semitrailers. J. J. Black. 2,118,004; May 17.
Propeller construction. M. J. Stone. 2,117,688; May 17.
Proportional feeder. J. W. Hoefling. 2,117,805; May 17.
Propulsion means for watercraft. L. E. Norquist. 2,117,495; May 17.
Protector: *See*—
Book protector.
Pump: *See*—
Rotary pump.
Pump. F. J. Miller. 2,117,493; May 17.
Pump and compressor. J. A. Chamler and G. F. Jones. 2,117,652; May 17.
Pump or compressor. R. Stevens. 2,117,521; May 17.
Pumping mechanism, Automatic. J. O. McMillan. 2,117,563; May 17.
Pumping unit. G. B. Gordy, Jr. 2,117,716; May 17.
Radiator fitting. A. Wallerstein. 2,117,831; May 17.
Radiator, Wing. I. I. Sikorsky. 2,117,632; May 17.
Rail, Prayer. W. F. Liska. 2,117,430; May 17.
Railing and the like. G. H. Gascoigne and J. R. Knox. 2,117,798; May 17.
Razor, Safety. J. F. O'Malley. 2,117,850; May 17.
Reamer. J. Sunnen. 2,117,525; May 17.
Receiver control system. J. C. Walter. 2,117,638; May 17.
Receptacle. N. Skidelsky. 2,117,516; May 17.
Receptacles, Making. H. S. Buckingham. 2,117,295; May 17.
Reed, Hook lease. A. J. Owler. 2,117,909; May 17.
Reel: *See*—
Coiling reel.
Refrigerating apparatus. H. Huey. 2,117,424; May 17.
Refrigerating apparatus. L. A. Philipp. 2,117,570; May 17.
Refrigerating apparatus. G. D. Reinhardt. 2,117,506; May 17.
Refrigerating apparatus. O. M. Summers. 2,117,919; May 17.
Refrigerating apparatus. W. W. Watt. 2,117,929; May 17.
Refrigerating apparatus. T. S. Wetter. 2,117,834; May 17.
Refrigerating apparatus. G. W. Wolcott. 2,117,468; May 17.
Refrigerating cabinet. G. D. Reinhardt. 2,117,505; May 17.
Refrigerating purposes, Apparatus for. P. A. Bancel. 2,117,693; May 17.
Refrigerator. H. L. Merrill. 2,117,564; May 17.
Register, Cash. W. H. Robertson. 2,117,451; May 17.
Register for gas meters, Pressure compensating. A. D. MacLean. 2,117,341; May 17.
Regulating apparatus. C. P. West, E. L. Harder, and L. L. Fountain. 2,117,866; May 17.
Regulator: *See*—
Draft regulator.
Relay, Electrical. B. E. O'Hagan. 2,117,820; May 17.
Remote control device for radio apparatus. A. G. Redmond. 2,117,574; May 17.
Remote controlling apparatus. C. S. Snavely. 2,117,580; May 17.
Reversible motor. P. Van Sittert. 2,117,584; May 17.
Reversing mechanism, Hydraulically operated. W. J. Pearmain. 2,117,852; May 17.
Ring: *See*—
Oil seal ring.
Rock core drill head. J. H. Howard and A. C. Catland. 2,117,481; May 17.
Rock crushing machine. J. Corser. 2,117,300; May 17.
Rod cleaning machine. J. J. Caugherty. 2,117,651; May 17.
Roll for lithographing presses, Damping. F. Backofen. 2,117,593; May 17.
Roller bearing. J. Fisher. 2,117,877; May 17.
Roller thrust bearing. C. H. Smith. 2,117,633; May 17.
Roof for vehicles, Sliding. W. H. Bishop. 2,117,598; May 17.
Rope, Wire. H. Oechslin. 2,117,818; May 17.
Rosin and rosin esters, Refining. L. P. Rankin. 2,117,572; May 17.
Rotary pump. P. C. Rawls. 2,117,573; May 17.
Rotary steam engine. R. P. Glenn. 2,117,951; May 17.
Rubber products, Colored. A. Siegel. 2,117,800; May 17.
Safety attachment for automobiles. G. D. Littlefield. 2,117,617; May 17.
Salinity indicator. M. F. Ketay and J. D. Peterson. 2,117,670; May 17.
Salts of calcium ascorbate with calcium salts of other poly-hydroxy-mono-carboxylic acids and making them, Double. K. Warnat. 2,117,777; May 17.
Sand mulling machine. W. H. Nicholls, Sr. 2,117,977; May 17.
Sandpaper roll and protector therefor. C. A. Ross. 2,117,995; May 17.
Sash, Casement. E. J. Adams. 2,117,301; May 17.
Sash operating means, Storm. H. H. Brugmann. 2,117,540; May 17.
Saw, Circular. C. M. Willson. 2,117,586; May 17.
Scale. B. W. King. 2,117,847; May 17.
Scale pencil holder. O. W. Koch. 2,117,335; May 17.
Scoring means for game boards. T. E. Brown, Jr. 2,117,398; May 17.
Screen and synchronized light field. B. Schlanger and J. Gilston. 2,117,857; May 17.
Screen material. A. Schleede and B. Bartels. 2,117,858; May 17.
Seat: *See*—
Automobile seat.
Vehicle seat.
Seat cover operator, Closet. T. F. Hill. 2,117,663; May 17.
Seismic surveying. H. Salvatori and J. N. Walstrum. 2,117,365; May 17.
Seismic surveying, Apparatus for. H. Salvatori. 2,117,364; May 17.
Self-lubricating bearing. H. B. Eynon and M. C. Burr. 2,117,550; May 17.





Separable fastener, Die cast. D. Marinsky. 2,117,897; May 17.
Separator: *See*—
Egg yolk and white separator.
Storage battery separator.
Separator. G. W. Hammack. 2,117,845; May 17.
Settling and coagulating agent and making and using the same. G. E. Tiffany. 2,117,378; May 17.
Shade and curtain support. J. D. and E. M. Douglas. 2,117,547; May 17.
Shade, Lamp. W. F. B. Johnson. 2,117,890; May 17.
Sharpener, Lumber saw. R. Heino. 2,117,801; May 17.
Sheath, Knife. B. Brownell. 2,117,937; May 17.
Sheet opening machine. G. N. Hughes. 2,117,665; May 17.
Shelf, Laundry tray. C. Sopinski and F. Vykosky. 2,117,771; May 17.
Sheller, Corn. L. B. Neighbour. 2,117,494; May 17.
Shingle. G. B. Payne. 2,117,624; May 17.
Shock absorber and the like damping means, Hydraulic. F. G. G. Armstrong. 2,117,645–6; May 17.
Shock absorber for fishing lines. C. J. Hillman. 2,117,322; May 17.
Shock absorber, Hydraulic. A. B. Casper. 2,117,837; May 17.
Shock absorber or other damping means, Hydraulic. F. G. G. Armstrong. 2,117,643; May 17.
Shock absorber or the like damping means, Hydraulic. F. G. G. Armstrong. 2,117,644; May 17.
Shoe and making it. H. C. King. 2,117,333; May 17.
Shoe bottom pressing machine. A. E. Jerram. 2,117,328; May 17.
Shoe for well casings, Guide and wash-down. R. C. Baker. 2,117,537; May 17.
Shoe holder. H. Sapeer. 2,117,630; May 17.
Shoe horn. W. O. Benjafield. 2,118,019; May 17.
Shoe uppers, Method of and device for shaping. W. Körting. 2,117,732; May 17.
Shook feeding device. A. I. Obermiller. 2,117,906; May 17.
Shot for athletic uses. H. W. Campbell. 2,117,938; May 17.
Shutter mechanism for moving picture cameras. H. Becker. 2,117,694; May 17.
Shuttle. C. P. Park. 2,117,352; May 17.
Shuttle. C. P. Park. 2,117,354; May 17.
Shuttle check. P. Doerseln. 2,117,793; May 17.
Sign. G. D. Duntze. 2,117,710; May 17.
Signal: *See*—
Traffic signal.
Signal control system, Traffic. T. P. Preist. 2,117,981; May 17.
Signaling apparatus more particularly for railways. L. Girardin. 2,117,313; May 17.
Signaling system. C. E. Lomax and J. H. Voss. 2,117,488; May 17.
Signaling system. R. L. Miller. 2,117,739; May 17.
Silver tarnish inhibitor. W. C. Gangloff and R. H. Hieronymus. 2,117,657; May 17.
Skate, Roller. J. E. Becker. 2,117,785; May 17.
Skate, Roller. J. S. Coldwell and H. L. Zimmerman. 2,117,704; May 17.
Skein. J. I. Taylor. 2,117,997; May 17.
Skid preventing device. H. T. Kraft. 2,117,766; May 17.
Slab construction, Flat. S. Madsen. 2,117,489; May 17.
Sliced bread holder. T. A. Mudd. 2,117,566; May 17.
Smoking apparatus. A. F. Meyer. 2,117,492; May 17.
Soil-plasticity testing apparatus. R. O. Ridenour. 2,117,985; May 17.
Soldering solution. C. L. Boyle. 2,117,649; May 17.
Solvent thinner and preparing the same. D. I. Ousheff. 2,117,990; May 17.
Sound producing device. A. J. Muchow. 2,117,003; May 17.
Spectacle temple mounting. F. W. Lindblom. 2,117,436; May 17.
Speed control. R. J. Kalbreier. 2,117,963; May 17.
Speed device, Variable. D. E. and E. F. Lewellen. 2,117,483; May 17.
Speed device, Variable. D. E. and E. F. Lewellen. 2,117,485; May 17.
Speed indicating device for vehicles. D. E. Marshall. 2,117,440; May 17.
Speed-synchronizing device. D. E. and E. F. Lewellen. 2,117,484; May 17.
Speed transmission, Variable. D. E. and E. F. Lewellen. 2,117,486; May 17.
Spindle, Mule. C. E. Williams and A. F. Anderson. 2,117,387; May 17.
Spinning machine, High speed. E. Negishi. 2,117,675; May 17.
Spout, Detachable pouring. R. N. Dickey. 2,117,408; May 17.
Spring suspension, Vehicle. V. L. Cobb. 2,117,401; May 17.
Sprocket for motion picture films. E. Ross. 2,118,016; May 17.
Squeezer and cutter. F. H. Stanton. 2,117,687; May 17.
Staple driving machine. F. Polzer. 2,117,741–4; May 17.
Stepless change gear. A. Maurer. 2,117,340; May 17.
Stereoscopic viewer and photographic film for same. E. Rossman. 2,117,910; May 17.
Stick hanger. J. Bitzer. 2,117,285; May 17.
Stop, Stock. D. H. Montgomery and A. H. Jobert. 2,118,014; May 17.
Stopper, Hollow rubber water. H. Rosenthal. 2,117,629; May 17.
Storage battery separator. L. E. Wells. 2,117,382; May 17.
Stove. R. S. Weston. 2,117,779; May 17.
Stripper for drum driers. H. T. Hershey. 2,117,958; May 17.
Suction cleaner. W. D. Sellers. 2,117,368; May 17.
Sulphamides, Preparing. P. Osswald. 2,117,626; May 17.
Support: *See*—
Belt support.
Outboard swivel support.
Shade and curtain support.
Support for tubular tungsten filament lamps. M. Deghenghi. 2,117,655; May 17.
Surface, Preparing a. D. A. Bosley, Jr. 2,117,289; May 17.
Surgical instrument. E. Gauly. 2,117,312; May 17.
Suspension arrangement for road vehicles. F. G. G. Armstrong. 2,117,588–90; Mar. 17.
Switch: *See*—
Electric switch.
Enclosed electric switch.
Switch control apparatus, Railway. G. R. Pflasterer. 2,117,677; May 17.
Switch controlling apparatus, Railway. C. M. Hines. 2,117,323; May 17.
Switch lock. C. B. Lowe. 2,118,012; May 17.
Switching mechanism. J. A. Burwell. 2,117,702; May 17.
Switching mechanism, Thermostatic. S. C. Shipley. 2,117,514; May 17.
Tabulating board. C. S. Meyer. 2,117,812; May 17.
Take-up device. C. M. Burnett. 2,117,701; May 17.
Take-up device. S. A. Wardell. 2,117,928; May 17.
Take-up mechanism for hand brakes, Quick. H. J. Lounsbury. 2,117,338; May 17.
Tandem truck vehicle. G. S. Allin. 2,117,784; May 17.
Tanks, Construction of gasometer roof. E. H. Staber. 2,117,829; May 17.
Tanning. G. Mauthe and H. Noerr. 2,117,811; May 17.
Tar extractor and the like. C. G. Hawley. 2,117,718; May 17.
Telegraph repeater. J. L. Hysko. 2,117,723; May 17.
Telephone signaling system. H. S. Black. 2,117,835; May 17.
Telephone system. R. Hornickel. 2,117,721; May 17.
Teletypewriter system. W. W. Cramer and G. C. Cummings. 2,117,705; May 17.
Temperature control apparatus. D. D. Wile and R. L. Campbell. 2,117,529; May 17.
Temperature control system for ovens heated by hydrocarbon burners. E. Hillebrand. 2,117,556; May 17.
Tension device. W. B. Freeman. 2,117,412; May 17.
Theft prevention device, Electricity. E. A. Mitchell. 2,117,565; May 17.
Thermometer. J. L. Chancy. 2,117,942; May 17.
Thermostat assembly. H. A. Smith. 2,117,578; May 17.
Thermostat, Clock. A. G. McNicoll. 2,117,768; May 17.
Thickness indicator for papermaking machines. P. J. Fitzgerald. 2,117,841; May 17.
Tie, Bonding rail joint. D. R. Richardson. 2,117,450; May 17.
Tie holder. J. McCracken. 2,117,969; May 17.
Tobacco pipe. S. Gunnlangsson. 2,118,026; May 17.
Toilet accessory. S. T. Crosby. 2,117,403; May 17.
Tool: *See*—
Earthworking tool.
Tube flaring tool.
Machine tool.
Tool, particularly of the hydraulic operated type, Machine. M. S. Curtis. 2,118,025; May 17.
Tools, Apparatus for orienting drilling. A. G. H. Straatman. 2,117,522; May 17.
Tooth brush holder. S. J. S. Stanton. 2,117,459; May 17.
Torch, Cutting. G. L. Walker. 2,117,751; May 17.
Towel dispensing apparatus. R. G. Birr. 2,117,396; May 17.
Towel vending cabinet. J. Darman. 2,117,302; May 17.
Toy, Mechanical. S. I. Berger. 2,117,597; May 17.
Track body. O. M. Alexander. 2,117,280; May 17.
Track, Moving. P. R. Cowles. 2,117,790; May 17.
Traffic controlling apparatus, Railway. E. M. Allen, C. A. Brooks, and H. A. Thompson. 2,117,691; May 17.
Traffic signal. C. B. Watson. 2,117,639; May 17.
Transmission, Hydraulic. A. Lysholm. 2,117,673; May 17.
Transmission system. H. T. Budenbom. 2,117,698; May 17.
Transmission system. F. S. Mabry. 2,117,895; May 17.
Transportation device. M. P. Nelson. 2,117,905; May 17.
Trap: *See*—
Electrocuting trap.
Trash bag holder, Temporary. O. A. Tatsch. 2,117,689; May 17.
Tray and holder, Dental impression. L. Kalvin. 2,117,846; May 17.
Tray, Impression. R. L. Hughes. 2,117,666; May 17.
Trick device. L. Krug. 2,117,809; May 17.
Trimmer. F. G. Bovard. 2,117,695; May 17.
Trolley and current collector means. H. J. L. Frank and J. A. Messing. 2,117,552; May 17.

Truck, Railway. G. F. Couch. 2,118,006; May 17.
Tube: *See*—
Electron discharge tube. Ionic discharge tube.
Tube and cap assembly. W. T. Davis. 2,117,407; May 17.
Tube finishing machine, Collapsible. J. H. Fridén. 2,117,713; May 17.
Tube flaring tool. R. J. Corrigan. 2,117,543; May 17.
Tubes and like hollow bodies, Apparatus for bending metal. S. F. Ibbetson and W. R. Green. 2,117,724; May 17.
Tubular bodies, Method of and apparatus for cleaning. H. F. Bottorf. 2,117,648; May 17.
Tubular connecter. L. L. Haas. 2,117,955; May 17.
Twisting frame. A. W. Babbitt and J. C. Lewis. 2,117,870; May 17.
Typewriter, Music. G. Rundstatler. 2,117,363; May 17.
Typographical machine. J. H. Hilpman. 2,117,557; May 17.
Umbrella handle, Interchangeable. P. S. Sobotka. 2,117,373; May 17.
Unit dispensing device. F. G. Steiner. 2,117,375; May 17.
Universal joint, Two-bearing. C. D. Cutting. 2,117,706; May 17.
Uppers over lasts, Method and machine for shaping. B. Jorgensen. 2,117,330; May 17.
Utensil, Cooking. J. H. Wiersma. 2,117,780; May 17.
Vacuum distillation process. K. C. D. Hickman. 2,117,803; May 17.
Vacuum or siphon breaker. H. D. Yoder. 2,117,389; May 17.
Valve: *See*—
Fuel injection valve. Gas valve.
Gas control valve.
Valve. R. W. Johnson and T. A. Wetzel. 2,117,726; May 17.
Valve and wall scraper, Combined back pressure. C. C. Brown. 2,117,836; May 17.
Valve construction. J. C. Schellin. 2,117,456; May 17.
Valve control means, Throttle. W. C. Holden. 2,117,421; May 17.
Valve for internal combustion engines, Rotary sleeve. J. D. Cameron. 2,117,650; May 17.
Valve for well drilling strings, Drill collar float. R. C. Baker. 2,117,533; May 17.
Valve mechanism. J. and H. Forkois. 2,117,551; May 17.
Valve mechanism for internal combustion engines, compressors, and the like. C. D. Howard and F. R. Maxwell. 2,117,325; May 17.
Valve structure. W. K. Queen. 2,117,853; May 17.
Valve structure for well casings and tubing. R. C. Baker and O. A. Mellin. 2,117,536; May 17.
Valve unit, Group. M. F. Richardson. 2,117,504; May 17.
Valves, Manufacturing. S. J. Nordstrom. 2,117,351; May 17.
Vanity case. W. Lampl. 2,117,671; May 17.
Vat-dyestuff preparations for printing textiles. M. Paquin and O. Braun. 2,117,623; May 17.
Vault lowering device. J. Smola. 2,117,518; May 17.
Vegetable peeling machine. H. A. Johnston. 2,117,765; May 17.
Vehicle: *See*—
Dump vehicle. Tandem truck vehicle.
Motor vehicle.
Vehicle and mounting mechanism therefor. R. B. Simning. 2,117,577; May 17.
Vehicle seat. L. S. Anker. 2,117,932; May 17.
Vehicle storage system. S. E. Buettell. 2,117,274; May 17.
Vending machine. F. J. Willis. 2,117,530; May 17.
Ventilating system. J. R. Hall. 2,117,477; May 17.
Venting and closure device. C. W. Shaw. 2,117,369; May 17.
Vessels, particularly steam-jacketed boiling pans, Making jacketed. N. E. Rambush and P. A. Andrews. 2,117,500; May 17.
Volume control system, Automatic. P. F. G. Holst. 2,117,664; May 17.
Wall. G. H. Ellis. 2,117,763; May 17.
Washer. W. A. Fye. 2,117,553; May 17.
Water, Softening. E. Seyb. 2,117,631; May 17.
Water supply system. W. F. Ogden. 2,117,907; May 17.
Wax, Refining. T. S. Richardson and P. L. Smith. 2,117,984; May 17.
Weather-strip. P. R. Oftedal. 2,117,978; May 17.
Webbing support for upholstered furniture. S. S. Bernstein. 2,117,394; May 17.
Well cementing device. R. C. Baker. 2,117,534; May 17.
Well drill pipe. B. L. Peterson. 2,117,357; May 17.
Wells, Apparatus for cementing. C. O. McDowell. 2,117,898; May 17.
Welts, Making. E. J. Rogers. 2,117,824; May 17.
Wheel: *See*—
Metal wheel.
Wheel and making the same, Abrasive. A. G. Scutt and A. L. Ball. 2,117,513; May 17.
Wicket gate. J. S. Carpenter. 2,117,940; May 17.
Windmill. C. R. Wrobbel. 2,117,753; May 17.
Window cleaning device. H. Jaeckel. 2,118,009; May 17.
Window lock. J. S. Gullborg. 2,117,316; May 17.
Wire or cable clamp, Electric. E. E. Johnson. 2,117,725; May 17.
Wireless receiving system. J. Robinson. 2,117,680; May 17.
Wrapping article. W. E. Molins. 2,117,347; May 17.
X-ray apparatus. E. R. Goldfield. 2,117,660; May 17.


# CLASSIFICATION OF PATENTS

## ISSUED MAY 17, 1938

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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272— 8: 2,117,809
13: 2,117,635
58: 2,117,938
99: 2,117,957
277— 33: 2,117,853
46: 2,117,504
279— 58: 2,117,746
280— 11.19: 2,117,785
11.26: 2,117,704
33.44: 2,117,562
50: 2,117,905
81: 2,117,784
106.5: 2,117,577
257: Re.20,729
281— 20: 2,117,559
44: 2,117,812
282— 29: 2,117,372
285— 146: 2,117,357
198: 2,117,955
286— 27: 2,117,326
287— 54: 2,117,798
288— 1: 2,117,849
290— 16: 2,117,389
292— 123: 2,117,330
352: 2,117,947
293— 55: 2,117,519
294— 106: 2,117,447
296— 68: 2,117,409
298— 17: 2,117,568
299— 80: 2,117,647
107.1: 2,117,367
140: 2,117,388
301— 12: 2,117,927
13: 2,117,926
308— 171: 2,117,550
187: 2,117,988
206: 2,117,877
235: 2,117,633
309— 43: 2,117,996
312— 35: 2,117,530
38: 2,117,302
46: 2,117,370
54: 2,117,306
89: 2,117,685

U. S. GOVERNMENT PRINTING OFFICE: 1939

# LIST OF TRADE-MARK APPLICANTS

## PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Agfa Ansco Corporation, Binghamton, N. Y. Sensitized photographic film. Serial No. 402,164; May 24. Class 57.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Women's summer suits. Serial No. 404,284; May 24. Class 39.

Aluminum Cooking Utensil Company, The, New Kensington, Pa. Cooking hollow-ware. Serial No. 403,291; May 24. Class 13.

American Bemberg Corporation, New York, N. Y. Thread and yarn. Serial No. 404,557; May 24. Class 43.

American Medical Specialties Co. Inc., New York, N. Y. Ethylchloride and lubricating jelly. Serial No. 384,231; May 24. Class 6.

American Optical Company, Southbridge, Mass. Ophthalmic lenses and blanks therefor. Serial No. 401,205; May 24. Class 26.

Aqua-Sec Corporation, assignor to Aqua-Sec Corporation, New York, N. Y., now by change of name Ymba Corporation. Piece goods treated by a special process. Serial No. 361,507; May 24. Class 50.

Arden, Elizabeth, Inc., New York, N. Y. Perfumes and toilet waters. 405,005; May 24. Class 6.

Arenberg-Plotkin Shoe Company, Scranton, Pa. Women's and children's shoes. Serial No. 404,107; May 24. Class 39.

Artos Engineering Company, Milwaukee, Wis. Machines for labeling, marking, feeding, etc. materials having elongated shapes, etc. Serial No. 393,684; May 24. Class 23.

Associated Devices Corporation, Philadelphia, Pa. Barbers' aprons. Serial No. 354,272; May 24. Class 39.

Associated Distributors, Inc., Chicago, Ill. All over body lotion. Serial No. 401,424; May 24. Class 6.

Atlantic Yeast Corporation, Brooklyn, N. Y. Baking yeast. Serial No. 400,585; May 24. Class 46.

Bally, Inc., New York, N. Y. Leather. Serial No. 404,075; May 24. Class 1.

Barkan Silk Co. Inc., New York, N. Y. Fabrics in the piece. Serial No. 403,810; May 24. Class 42.

Barrett Company, The, New York, N. Y. Periodical publication. Serial No. 403,631; May 24. Class 38.

Bates, Hamilton C., doing business as C. J. Bates & Son, Chester, Conn. Nail polish and bleach and powders, skin lotions, etc. Serial No. 401,549; May 24. Class 6.

Ben-Burk, Inc., Boston, Mass. Dry gin. Serial No. 404,347; May 24. Class 49.

Berkeley Club Bottling and Manufacturing Company, Inc., Berkeley Springs, W. Va. Beverages, and syrups, extracts, and flavors used for making the same. Serial No. 404,684; May 24. Class 45.

Bethesda Pharmacal Company, Bethesda, Md. Preparation for epidermophytosis, golfer's itch, etc. Serial No. 405,230; May 24. Class 6.

Bilbara Publishing Co. Inc., New York, N. Y. Magazine. Serial No. 403,634; May 24. Class 38.

Boker, H., & Co., Inc., New York, N. Y. Manicure and pedicure nippers. Serial No. 387,371; May 24. Class 44.

Bon Marche, The. (See Allied Stores Corporation.)

Bottorff, O. E., St. Louis, Mo. Publication. Serial No. 397,607; May 24. Class 38.

Braselton, John W., Tulsa, Okla. Miniature game known as badminton. Serial No. 402,410; May 24. Class 22.

Brocton Distributing Company, Inc., Atlanta, Ga. Apple cider. Serial No. 397,586; May 24. Class 45.

Brown, Lonnie F., Los Angeles, Calif. Medicinal preparation for neuritis. Serial No. 375,122; May 24. Class 6.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard table cloth. Serial No. 403,071; May 24. Class 42.

Butler Brothers, Chicago, Ill. Women's hosiery. Serial No. 404,512; May 24. Class 39.

Cabassa, Jose M. G., doing business as Laboratorios Granchel, Santurce, P. R. Magnesia. Serial No. 404,661; May 24. Class 6.

California Laundry Equipment Co., Oakland, Calif. Laundry machinery and parts thereof. Serial No. 404,630; May 24. Class 24.

Celluloid Corporation, Newark, N. J. Unsensitized and unexposed films and drinking straws. Serial No. 403,637; May 24. Class 50.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Newspaper column. Serial No. 403,444; May 24. Class 38.

Chiropody Supply Headquarters, Inc., Chicago, Ill. Electrical machine for giving treatments to the feet. Serial No. 404,688; May 24. Class 44.

Close, George, Company, The, Cambridge, Mass. Candy. Serial No. 403,857; May 24. Class 46.

Coco Vite Company, Philadelphia, Pa. Malted milk beverage. Serial No. 404,352; May 24. Class 46.

Cohen, Mack, & Nadle, New York, N. Y. Suspenders, garters, and belts. Serial No. 403,702; May 24. Class 39.

Cohen, Samuel, Shoe Stores, Inc., Hempstead, N. Y. Shoes. Serial No. 403,581; May 24. Class 39.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap containers. Serial No. 403,992; May 24. Class 2.

Crimson Coach Incorporated, Toledo, Ohio. Tobacco, cigars, and cigarettes. Serial No. 404,632; May 24. Class 17.

Crosbie-Sarale, Inc., Richmond, Calif. Paints, paint enamel, varnishes, etc. Serial No. 397,401; May 24. Class 16.

Crown Zellerbach Corporation, doing business as National Paper Products Company, San Francisco, Calif. Paper towels. Serial No. 402,999; May 24. Class 37.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Ingredients designed to inhibit the growth of mold and bacterial organisms. Serial No. 402,887; May 24. Class 6.

Dustan, F. W., & Son, Clarkston, Wash. Canned fruits, canned vegetables, and canned tomato juice. Serial No. 380,761; May 24. Class 46.

Eagle Signal Corporation, Moline, Ill. Electrical timing relays, switches, and parts of such timers and switches. Serial No. 401,993; May 24. Class 21.

Eastyarn, Inc., Brooklyn, N. Y. Yarns. Serial No. 376,339; May 24. Class 43.

Elliott, B. K., Company, Pittsburgh, Pa. Illustration board and paper and bristol board. Serial No. 400,965; May 24. Class 37.

Ensign Products Company, Cleveland, Ohio. Belt dressing and preserver and a rope dressing and preserver. Serial No. 401,380; May 24. Class 4.

Etablissements L. D. P. (Laboratoires du Paragerm et de Produits Chimiques), Neuilly-sur-Seine, France. Antiseptics. Serial No. 397,027; May 24. Class 6.

Even-Pul Foundations, New York, N. Y. Corselets, brassières, and girdles. Serial No. 404,169; May 24. Class 39.

Fasco-Triadol Company. (See Hernandez, Miguel J.)

Flatley Bros, Rock Island, Ill. Smoker's pipes. Serial No. 404,520; May 24. Class 8.

Fliehman, George H., St. Louis, Mo. Cereal breakfast foods. Serial No. 403,249; May 24. Class 46.

Franz Mfg. Co., Inc., New Haven, Conn. Metronomes. Serial No. 403,451; May 24. Class 36.

Freydberg Bros., Inc., Stamford, Conn. Shoulder pads. Serial No. 402,089; May 24. Class 39.

Fry, Lloyd A., Roofing Co., Chicago, Ill. Roofing material. Serial No. 391,755; May 24. Class 12.

Gamble Stores Incorporated, Minneapolis, Minn. Face powder, almond lotion, cold cream, etc. Serial No. 396,358; May 24. Class 6.

General Chemical Company, New York, N. Y. Chemical compound for use in the manufacture of baking powder and self-rising flour. Serial Nos. 404,983-4; May 24. Class 6.

General Chemical Company, New York, N. Y. Fluxing compound. Serial No. 404,985; May 24. Class 6.

General Chemical Company, New York, N. Y. Reducing agent for use in textile and other industries. Serial No. 404,986; May 24. Class 6.

General Dyestuff Corporation, New York, N. Y. Product for improving the light fastness of dyeings. Serial No. 404,893; May 24. Class 6.

General Film Company, Hollywood, Calif. Game. Serial No. 390,764; May 24. Class 22.

General Mills, Inc., Minneapolis, Minn. Cereal food products. Serial No. 404,214; May 24. Class 46.

General Mills, Inc., Minneapolis, Minn. Cereal food products. Serial No. 404,801; May 24. Class 46.

Geraldine Hat Co., Inc., New York, N. Y. Hats. Serial No. 403,864; May 24. Class 39.

Gibbs & Company, Chicago, Ill. Nail polish preparations, hair preparations. Serial No. 399,449; May 24. Class 6.

Gibson, Guy T., Inc., New York, N. Y. Perfumes, colognes, toilet water, etc. Serial No. 405,205; May 24. Class 6.

Glendale Beverage Co., Kansas City, Mo. Beverages. Serial No. 403,205; May 24. Class 45.

Goldberg Brothers, Denver, Colo. Speaking tube for use in ticket dispensing booths. Serial No. 402,773; May 24. Class 13.

Goldenberg, Claire, New York, N. Y. Neckties. Serial No. 393,945; May 24. Class 39.

Golden Gate Fruit Corporation, New York, N. Y. Flavoring agents and blenders. Serial No. 401,962; May 24. Class 49.

Great Western Athletic Goods Co., Chicago, Ill. Golf balls. Serial No. 380,562; May 24. Class 22.

Guercio, Joseph, Chicago, Ill. Motion picture projectors and motion picture film prepared for projection. Serial No. 402,523; May 24. Class 26.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Guth, Ernest C., Buenos Aires, Argentina. Safety razor blades. Serial No. 397,029; May 24. Class 23.

Haag, Hans, Berlin, Germany. Preparation for killing animals and plants, disinfectants. Serial No. 399,524; May 24. Class 6.

Haloid Company, Rochester, N. Y. Light sensitive paper. Serial No. 403,006; May 24. Class 26.

Harmonica Distribution Corporation of America, New York, N. Y. Mouth harmonicas, harmonica bodies, harmonica reeds, etc. Serial No. 378,656; May 24. Class 36.

Hart, Frank A., New York, N. Y. Medicaments for treating skin diseases. Serial No. 397,933; May 24. Class 6.

Hawley, Adelaide J., Hollywood, Calif. Feminine hygiene preparation. Serial No. 402,003; May 24. Class 6.

Heirloom Needlework Guild, Inc., New York, N. Y. Thread and yarn. Serial No. 404,523; May 24. Class 43.

Hernandez, Miguel J., doing business as Fasco-Triadol Company, New York, N. Y. Medicine. Serial No. 402,909; May 24. Class 6.

Hodges Carpet Company, Indian Orchard, Mass. Woven fiber fabrics. Serial No. 403,947; May 24. Class 42.

House of Tweddle. (See Tweddle, David T.)

Houston, Sam, State Teachers College, Huntsville, Tex. Newspaper. Serial No. 405,280; May 24. Class 38.

Howard Preserving Company, Inc., Miami, Fla. Jellies, fruit butters, marmalades, etc. Serial No. 396,342; May 24. Class 46.

Humane Restraint Company, Madison, Wis. Wristlets with lock buckle and waist strap, etc. Serial No. 404,525; May 24. Class 44.

Inland Laboratories, Incorporated, Indianapolis, Ind. Effervescent alkalizer. Serial No. 405,119; May 24. Class 6.

Jenkins Bros., New York, N. Y. Tire valve stems. Serial No. 396,921; May 24. Class 13.

Jerry Sportswear, Incorporated, Chicago, Ill. Dresses, blouses, skirts, etc. Serial No. 402,942; May 24. Class 39.

Jordan Marsh Company, Boston, Mass. Boots and shoes. Serial No. 404,085; May 24. Class 39.

Keasbey & Mattison Company, Ambler, Pa. Asbestos cements, asbestos papers, etc. Serial No. 403,694; May 24. Class 12.

Kelly-Menke Co., The, Chicago, Ill. Light reflecting signs, vehicle safety reflectors, etc. Serial No. 398,993; May 24. Class 34.

Kendall Company, The, Walpole, Mass. Sheet materials of unspun fibers. Serial No. 403,137; May 24. Class 1.

Kleinert, I. B., Rubber Company, New York, N. Y. Sanitary belts. Serial No. 404,445; May 24. Class 44.

Krieger, Max, New York, N. Y. Playsuits, overalls, slacks, halters, etc. Serial No. 404,086; May 24. Class 39.

Laboratorios Granchel. (See Cabassa, Jose M. G.)

Langelands, Tacoma, Wash. Air conditioning, heating furnaces. Serial No. 399,282; May 24. Class 34.

Laucks, I. F., Inc., Seattle, Wash. Calcimines and paints. Serial No. 404,857; May 24. Class 16.

Lazarus, F. & R., & Co., The, Columbus, Ohio. Cosmetics. Serial No. 404,612; May 24. Class 6.

Lentheric, Incorporated, New York, N. Y. Preparations for perfuming rooms, closets, and the like. Serial No. 403,138; May 24. Class 6.

Lin-Tox Corporation, Port Chester, N. Y. Insecticides. Serial No. 405,260; May 24. Class 6.

Lockshore Farms, Inc., Kalamazoo, Mich. Spread for bread and the like. Serial No. 403,271; May 24. Class 46.

Loewenthal, Oscar R., Seattle, Wash. Duplicating laundry list books. Serial No. 375,190; May 24. Class 37.

Losee, Joseph S., doing business as Losee Products Company, Hebron, Ill. Electric water heaters. Serial No. 400,604; May 24. Class 21.

Mallinckrodt Chemical Works, St. Louis, Mo. Acetphenetidin, acid acetylsalicylic, etc. Serial No. 401,577; May 24. Class 6.

Manchester Manufacturing Company, Philadelphia, Pa. Men's underwear and pajamas. Serial No. 384,806; May 24. Class 39.

Mantle Lamp Company of America, The, Chicago, Ill. Lamp shades. Serial No. 401,066; May 24. Class 34.

Marine Optical Mfg. Co., Boston, Mass. Ophthalmic lenses, goggles, spectacles, etc. Serial No. 401,831; May 24. Class 26.

Menesse Company, Incorporated, Atlanta, Ga. Preparation for relief of menstrual pain. Serial No. 389,564; May 24. Class 6.

Metallgesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany. Chemical products. Serial No. 401,903; May 24. Class 6.

Metallising Engineering Company, Inc., New York, N. Y. Metal spray guns, parts, and equipment used in connection with spray guns. Serial No. 401,534; May 24. Class 23.

Metal Textile Corporation, West Orange, N. J. Scouring and cleaning devices. Serial No. 400,517; May 24. Class 4.

Miller Underwear Co., Inc., New York, N. Y. Chemises, negligees, panties, etc. Serial No. 401,443; May 24. Class 39.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive cloth and paper. Serial No. 389,652; May 24. Class 4.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned peas. Serial No. 404,654; May 24. Class 46.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned vegetables. Serial No. 404,655; May 24. Class 46.

Miracle Dry Shaver Corporation, Chicago, Ill. Dry shavers. Serial No. 402,384; May 24. Class 23.

Mode Knitting Mills, Inc., The, Chicago, Ill. Hats, shirts, swimming suits, and sweaters. Serial No. 400,167; May 24. Class 39.

Monsanto Chemical Company, St. Louis, Mo. Insecticides, germicides, bactericides, etc. Serial No. 404,577; May 24. Class 6.

Morey, Robert, New Haven, Conn. Card game and its accessories. Serial No. 403,976; May 24. Class 22.

Morris, Joseph C., Chicago, Ill. Combination clocks and calendars. Serial No. 404,578; May 24. Class 27.

Moss Corporation, The, Boston, Mass. Shoes and insoles therefor. Serial No. 403,955; May 24. Class 39.

National Paper Products Company. (See Crown Zellerbach Corporation.)

National Shoe Corporation, Marlboro, Mass. Shoes for women. Serial No. 393,181; May 24. Class 39.

Nephron Co. (See Pitts, Arthur W.)

Pacific Coast Nut House, San Jose, Calif. Walnuts and almonds. Serial No. 401,540; May 24. Class 46.

Parfums Revillon, Paris, France. Perfumes. Serial No. 403,056; May 24. Class 6.

Parke, Davis & Company, Detroit, Mich. Preparation intended for treatment of spasmodic and convulsive conditions. Serial No. 404,865; May 24. Class 6.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. House organ. Serial No. 404,541; May 24. Class 38.

Pepperell Manufacturing Company, Boston, Mass. Bed sheets, pillow cases, and sheeting. Serial No. 389,433; May 24. Class 42.

Pitts, Arthur W., doing business as Nephron Co., Tacoma, Wash. Inhalant. Serial No. 404,485; May 24. Class 6.

Poinier, Arthur B., St. Joseph, Mo. Cartoon section of newspapers, etc. Serial No. 404,582; May 24. Class 38.

Poster Products, Inc., Chicago, Ill. Advertising and decorative placards. Serial No. 403,520; May 24. Class 38.

Publication Corporation, New York, N. Y. Newspaper magazine supplement. Serial No. 403,058; May 24. Class 38.

Rondeau, H. O., Shoe Co., Inc., Farmington, N. H. Ladies' and misses' shoes. Serial No. 403,786; May 24. Class 39.

Rust-O-Vac Company. (See Searles, Robert M.)

Ryan, Everets Co., New York, N. Y. Overalls, undershirts, and drawers. Serial No. 402,203; May 24. Class 39.

Schmidt, Joseph A., doing business as Schmidt & Co., West Allis, Wis. Wax. Serial No. 403,923; May 24. Class 16.

Scudder Syrup Co. (See Steven, Leslie B.)

Seal & Horn, Wyomissing, Pa. Hosiery. Serial No. 402,829; May 24. Class 39.

Searles, Robert M., doing business as Rust-O-Vac Company, Philadelphia, Pa. Liquid rust eliminator and preventive. Serial No. 402,796; May 24. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Heating equipment. Serial No. 391,351; May 24. Class 34.

Showmen's Trade Review, Inc., New York, N. Y. Section or department of a magazine. Serial No. 404,188; May 24. Class 38.

Sitroux Company, Inc., The, New York, N. Y. Lipstick tissues. Serial No. 404,381; May 24. Class 37.

Smith, Lucie H., Duluth, Minn. Antiseptic lotion, antiseptic rectal suppositories, etc. Serial No. 402,989; May 24. Class 6.

Southern Publishing Company, Fernandina, Fla. Magazine. Serial No. 403,789; May 24. Class 38.

Spector Brothers, Incorporated, Philadelphia, Pa. Topcoats and overcoats. Serial No. 403,926; May 24. Class 39.

Sterilek Company, Inc., The, New York, N. Y. Sanitary napkins. Serial No. 404,382; May 24. Class 44.

Sterilek Company, Inc., The, New York, N. Y. Hospital sanitary handkerchiefs and handkerchief wipes of paper. Serial No. 404,383; May 24. Class 37.

Sterling Sweeper Company, Holland, Mich. Carpet sweepers. Serial No. 396,100; May 24. Class 23.

Steven, Leslie B., doing business as Scudder Syrup Co., Chicago, Ill. Beverages and syrups for making the same. Serial No. 404,329; May 24. Class 45.

Sullivan, P., Shoe Company, The, Cincinnati, Ohio. Shoes. Serial No. 404,070; May 24. Class 39.

Swartwout Company, The, Cleveland, Ohio. Boiler fittings, valve and pump control valves and governors, etc. Serial No. 381,175; May 24. Class 13.

Sweeney Bottling Works, Middletown, N. Y. Beverages, and sirups and extracts for making the same. Serial No. 403,972; May 24. Class 45.

Tex-Ite Products Corporation, Brooklyn, N. Y. Concentrated lye, drain solvent, baking soda, etc. Serial No. 404,784; May 24. Class 6.

Thorntite Tops, Inc., New York, N. Y. Closures for receptacles. Serial No. 403,975; May 24. Class 50.

Torrington Manufacturing Company, The, Torrington, Conn. Electrically driven fans for automobile heaters and defrosters. Serial No. 395,845; May 24. Class 21.

Towle Manufacturing Company, Newburyport, Mass. Silver and silver mounted flatware, etc. Serial No. 404,274; May 24. Class 28.

Tre-Zur Brassiere Co., Inc., Los Angeles, Calif. Brassières, girdles, garter belts, etc. Serial No. 403,290; May 24. Class 39.

Trico Products Corporation, Buffalo, N. Y. Windshield wipers and parts thereof. Serial No. 394,735; May 24. Class 19.

Tucker, Jesse D., Huntington Park, Calif. Jar cups. Serial No. 403,839; May 24. Class 50.

Tweddle, David T., doing business as House of Tweddle, Los Angeles, Calif. Preparation for the relief of sinus infections. Serial No. 402,037; May 24. Class 6.

Twin City Mfg. Co., Inc., Norfolk, Va. Ammonia, castor oil, white petroleum jelly, etc. Serial No. 404,242; May 24. Class 6.

Tyler Laboratories, Inc., Brooklyn, N. Y. Alterative food supplement. Serial No. 402,800; May 24. Class 6.

United Feature Syndicate, Inc., New York, N. Y. Serial drawings published in newspapers. Serial No. 403,793; May 24. Class 38.

United Paper Company, Inc., Richmond, Va. Paper products. Serial No. 400,709; May 24. Class 37.

United States Glass Company, Pittsburgh, Pa. Glass articles. Serial No. 403,065; May 24. Class 33.

Uranium Lighting Corporation, New York, N. Y. Electric lighting fixtures and parts thereof. Serial No. 404,500; May 24. Class 21.

Varner, Willis C., Edwardsville, Ill. Trading stamps. Serial No. 403,803; May 24. Class 38.

Wasp Pen Co. Inc., The, Fort Madison, Iowa. Fountain pens and parts thereof. Serial No. 403,806; May 24. Class 37.

Wasp Pen Co. Inc., The, Fort Madison, Iowa. Reservoir desk stands for writing fluids. Serial No. 403,807; May 24. Class 37.

Wausau Brewing Company, Wausau, Wis. Beer. Serial No. 402,923; May 24. Class 48.

Webster, William A., Co., The, Memphis, Tenn. Hair dressings and shampoos. Serial No. 398,069; May 24. Class 6.

Williamson Candy Company, Chicago, Ill. Candy. Serial No. 404,459; May 24. Class 46.

Wiseman, Adolph D., San Francisco, Calif. Dental applicators. Serial No. 405,147; May 24. Class 44.

Yahr, Irving, & Co., Inc., New York, N. Y. Ladies' wearing apparel. Serial No. 401,325; May 24. Class 39.

Ymba Corporation. (See Aqua-Sec Corporation.)

Young Sophisticates, Inc., New York, N. Y. Dresses, blouses, skirts, etc. Serial No. 404,279; May 24. Class 39.

Younghusband, James L., Chicago, Ill. Cleansing pads. Serial No. 398,955; May 24. Class 29.

# LIST OF REGISTRANTS OF TRADE-MARKS

Abinate & Nola Packing Co., San Jose, Calif. Canned and dried fruits. 356,995; May 24; Serial No. 367,274; published Mar. 15, 1938. Class 46.

Ada Milling Company, Ada, Okla. Wheat flour, egg mash, dairy feed, etc. 357,223; May 24. Class 46.

Adams, Fred C., doing business as Fred C. Adams and Company, Chicago, Ill. Compound or composition for use in the treatment of water. 357,060; May 24; Serial No. 400,150; published Mar. 8, 1938. Class 6.

Aktivin Corporation, The, New York, N. Y. Chemicals. 357,158; May 24; Serial No. 401,415; published Mar. 1, 1938. Class 6.

Alexander, R. P., Rome, Ga. Liquid preparation for use as a digestant and stomachic. 357,084; May 24; Serial No. 400,282; published Mar. 15, 1938. Class 6.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Drugs. 357,159; May 24; Serial No. 401,420; published Mar. 8, 1938. Class 6.

Almond, David B., doing business as Tur-Tol Products, Tucson, Ariz. Preparation for cuts, sores, etc. 357,008; May 24; Serial No. 387,487; published Mar. 15, 1938. Class 6.

American Chemical Company, Genoa City, Wis. Medicinal preparation. 357,014; May 24; Serial No. 391,221; published Mar. 15, 1938. Class 6.

American Disinfecting Co., Inc., Sedalia, Mo. Disinfectants, deodorants, insecticides, etc. 357,094; May 24; Serial No. 400,674; published Mar. 15, 1938. Class 6.

American Frog Canning Co. (See Broel, Albert.)

American Pop Corn Company, Sioux City, Iowa. Raw pop corn. 357,161; May 24; Serial No. 401,721; published Mar. 15, 1938. Class 46.

American Renaissance Associates, Inc., White Plains, N. Y. Jewelry. 357,117; May 24; Serial No. 400,941; published Mar. 1, 1938. Class 28.

Ames, Ardell. (See Miller, John H.)

Andersen, William K., Brooklyn, N. Y. Spark plugs. 357,127; May 24; Serial No. 401,100; published Mar. 15, 1938. Class 21.

Arbona, Antonio M., Arecibo, P. R. Fresh pineapple. 357,018; May 24; Serial No. 393,682; published Mar. 15, 1938. Class 46.

Arcabe, Inc., New York, N. Y. Bath oils, bath salts, face powders, etc. 357,105; May 24; Serial No. 400,823; published Mar. 8, 1938. Class 6.

Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. 357,009; May 24; Serial No. 387,651; published Mar. 8, 1938. Class 6.

Baird, Mrs. Irvin, professionally known as Dr. Jill Cossley-Batt, doing business as Himalayan Research Laboratories, Seattle, Wash. Medicinal oil. 357,002; May 24; Serial No. 379,996; published Mar. 8, 1938. Class 6.

Bates, H., Co., Inc., New York, N. Y. Rayon and cotton nets. 357,006; May 24; Serial No. 387,368; published Apr. 6, 1937. Class 42.

Bedard, Joseph, Burlington, Vt. Hair tonic preparation. 357,003; May 24; Serial No. 385,681; published Mar. 8, 1938. Class 6.

Bell & Zoller Coal Company, Chicago, Ill. Coal. 357,114; May 24; Serial No. 400,898; published Mar. 15, 1938. Class 1.

Bell & Zoller Coal Company, Chicago, Ill. Coal. 357,115; May 24; Serial No. 400,900; published Mar. 15, 1938. Class 1.

Bennett Foods Products Co., Baltimore, Md. Mayonnaise. 357,154; May 24; Serial No. 401,367; published Mar. 15, 1938. Class 46.

Ber-Mel Laboratories Company, Cleveland, Ohio. Headache powders. 357,032; May 24; Serial No. 396,592; published Mar. 15, 1938. Class 6.

Blade Master, Inc., New York, N. Y. Manually operated razor blade sharpening apparatus. 357,023; May 24; Serial No. 395,395; published Jan. 25, 1938. Class 23.

Bloomingdale Bros., Inc., New York, N. Y. Cleansing cream. 357,128; May 24; Serial No. 401,102; published Mar. 15, 1938. Class 6.

Bon Marche, The. (See Allied Stores Corporation.)

Boots Pure Drug Company Limited, Nottingham, England. Medicated losenges. 357,140; May 24; Serial No. 401,234; published Mar. 15, 1938. Class 6.

Borden Company, The, New York, N. Y. Mince meat. 357,120; May 24; Serial No. 401,014; published Mar. 15, 1938. Class 46.

British Samek Limited, London, England. Clothe and stuffs. 357,196; May 24; Serial No. 401,888; published Mar. 15, 1938. Class 42.

Broel, Albert, doing business as American Frog Canning Co., and Mardi Gras Products Company, New Orleans, La., Crawfish bisque, turtle soup, crab meat a la king, etc. 357,126; May 24; Serial No. 401,095; published Mar. 15, 1938. Class 46.

Brooks, Mrs. Courtney C., doing business as Georgia Remedy Company, Covington, Ga. Mouth antiseptic and a preparation for the treatment of minor wounds, etc. 357,007; May 24; Serial No. 387,450; published Mar. 1, 1938. Class 6.

Bull, Wellington E., New York, N. Y. Paint for concrete, wood, and metal. 357,100; May 24; Serial No. 400,744; published Mar. 15, 1938. Class 16.

Bunau-Varilla, Guy, Boulogne-sur-Seine, France. Automobiles, bicycles, and motorcycles, and structural parts thereof. 357,110; May 24; Serial No. 400,858; published Mar. 15, 1938. Class 19.

Bunting, Henry S., Chicago, Ill. Periodical brochures and pamphlets. 357,167; May 24; Serial No. 401,553; published Mar. 8, 1938. Class 38.

California Consumers Corporation, Los Angeles, Calif. Canned citrus juice sold as a beverage. 357,064; May 24; Serial No. 399,791; published Feb. 15, 1938. Class 45.

Campana Corporation, Batavia, Ill. Astringent. 357,125; May 24; Serial No. 401,089; published Mar. 8, 1938. Class 6.

Campbell, John, & Co., New York, N. Y. Chemicals for use in the dyeing industry. 357,147; May 24; Serial No. 401,292; published Mar. 15, 1938. Class 6.

Capatone Products Co., Inc., New York, N. Y. Medicine for care of hair follicles and scalp. 357,171; May 24; Serial No. 401,601; published Mar. 8, 1938. Class 6.

Carleton, Curtis H., doing business as Florence Products, Richmond, Ind. Contraseptive preparation. 357,095; May 24; Serial No. 400,682; published Mar. 8, 1938. Class 6.

Carroll Bottling Co. (See Pietig, Louis.)

Cavaess' Drug Company, Baltimore, Md. Cough medicine. 357,303; May 24; Serial No. 401,983; published Mar. 15, 1938. Class 6.

Center Music Stores, Inc., New York, N. Y. Radio receiving sets. 357,101; May 24; Serial No. 400,751; published Mar. 15, 1938. Class 21.

Chemische Fabrik R. Baumbeier, Aktiengesellschaft, Oschatz-Zschollau, Germany, now by change of name Chemische Fabrik R. Baumbeier Kommanditgesellschaft. Waterproofing preparations. 357,004; May 24; Serial No. 387,030; published Mar. 15, 1938. Class 6.

Chemical Industries of California, Santa Barbara, Calif. Cosmetics. 357,061; Mar. 24; Serial No. 399,499; published Mar. 1, 1938. Class 6.

Chicago Pharmacal Co., Chicago, Ill. Mouth wash. 357,021; May 24; Serial No. 395,018; published Mar. 8, 1938. Class 6.

Clinton Company, Clinton, Iowa. Corn starch. 357,141; May 24; Serial No. 401,237; published Mar. 15, 1938. Class 46.

Club Razor & Blade Manufacturing Corporation, Newark, N. J. Razor blades. 357,060; May 24; Serial No. 399,399; published Mar. 15, 1938. Class 28.

Cocorum Co., Pittsburgh, Pa. Syrup used in making soft drinks. 357,230; May 24. Class 45.

Coffee Electrost Corporation, Chicago, Ill. Coffee roasters. 357,050; May 24; Serial No. 398,811; published Mar. 15, 1938. Class 21.

Coffee Products Corporation, New York, N. Y. Coffee syrup and coffee extract. 357,016; May 24; Serial No. 393,414; published Aug. 31, 1937. Class 46.

Cohen Bros. 52nd St. Inc., New York, N. Y. Fur coats, fur wraps, fur collars, etc. 357,072; May 24; Serial No. 399,955; published Mar. 15, 1938. Class 39.

Collinson Fence Co., Orange, N. J. Wire fencing and metal fence posts. 357,191; May 24; Serial No. 401,850; published Mar. 15, 1938. Class 13.

Comfort Manufacturing Company, Chicago, Ill. Anti-acid stomach tablet. 357,175; May 24; Serial No. 401,653; published Mar. 8, 1938. Class 6.

Consolidated Rendering Company, Boston, Mass. Fertilizers. 356,994; May 24; Serial No. 356,832; published Mar. 15, 1938. Class 10.

Coonley-Batt, Dr. Jill. (See Baird, Mrs. Irvin.)

Cotton Shop, Inc., The, New York, N. Y. Street dresses, skirts, sweaters, etc. 357,087; May 24; Serial No. 400,494; published Mar. 8, 1938. Class 39.

Crookham Company, Caldwell, Idaho. Popcorn. 357,033; May 24; Serial No. 396,596; published Mar. 15, 1938. Class 46.

Crown Cork & Seal Company, Inc., Baltimore, Md. Metallic closures for containers. 357,130; May 24; Serial No. 401,134; published Mar. 15, 1938. Class 50.

Davis, A., & Sons, Inc., Jersey City, N. J., and New York, N. Y. Ladies' suits and coats. 357,155; May 24; Serial No. 401,373; published Mar. 8, 1938. Class 39.

Dayton Laboratories, Incorporated, The, Dayton, Ohio. Contraceptive preparation. 357,133; May 24; Serial No. 401,180; published Mar. 1, 1938. Class 6.

Deluxe Products Corporation, La Porte, Ind. Oil filters. 357,233; May 24. Class 23.

Dempsey, W. E., St. Catherine, Fla. Preparation for the treatment of piles. 357,062; May 24; Serial No. 399,502; published Mar. 1, 1938. Class 6.

Denver Chemical Manufacturing Company, The, New York, N. Y. Dry reagent for testing solutions for sugar. 357,121; May 24; Serial No. 401,016; published Mar. 15, 1938. Class 6.

Dietsch, Doris R., Findlay, Ohio. Candy. 357,213; May 24; Serial No. 402,118; published Mar. 15, 1938. Class 46.

Doho Chemical Corporation, The, New York, N. Y. Osmotherapeutic treatment of ear diseases. 357,151; May 24; Serial No. 401,339; published Mar. 15, 1938. Class 6.

Dor Ann Frocks. (See Dorsa Dresses, Inc.)

Dorsa Dresses, Inc., doing business as Dor Ann Frocks, St. Louis, Mo. Gowns and dresses. 357,160; May 24; Serial No. 401,430; published Mar. 15, 1938. Class 39.

Douglas, James A. (See Ferguson, Alfred D.)

Dow Chemical Company, The, Midland, Mich. Insecticides and insecticidal compositions. 357,148; May 24; Serial No. 401,290; published Mar. 15, 1938. Class 6.

Eastern Trading Company. (See Finkelstein, William.)

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Outfits for use in photographically printing and developing photographic materials. 357,053; May 24; Serial No. 399,076; published Mar. 15, 1938. Class 26.

Eastyarn, Inc., Brooklyn, N. Y. Yarns. 357,222; May 24. Class 43.

Elco Shutter & Manufacturing Company, Detroit, Mich. Shutters and dampers, fan and shutter assemblies, etc. 357,142; May 24; Serial No. 401,243; published Mar. 15, 1938. Class 34.

Elliott, B. K., Company, Pittsburgh, Pa. Rubber adhesive cement. 357,235; May 24. Class 5.

Elsbert Manufacturing Company, Inc., Chicago, Ill. Ignition coils. 357,124; May 24; Serial No. 401,056; published Mar. 15, 1938. Class 21.

Enro Shirt Co., The, Louisville, Ky. Shirts, pajamas, and underwear. 357,165; May 24; Serial No. 401,524; published Mar. 8, 1938. Class 39.

Ferguson, Alfred D., doing business as James A. Douglas and Al Jad, New York, N. Y. Periodical. 357,010; May 24; Serial No. 388,439; published Apr. 6, 1937. Class 38.

Finch, Joe. S., & Co., Inc., New York, N. Y., and Schenley, Pa. Whiskey, gin, rum, etc. 357,192; May 24; Serial No. 401,854; published Mar. 15, 1938. Class 49.

Finger Lakes and Hudson Flour Mills, Inc., Troy and Geneva, N. Y. Wheat flours. 357,041; May 24; Serial No. 397,653; published Mar. 15, 1938. Class 46.

Finkelstein, William, doing business as Eastern Trading Company, New York, N. Y. Lotion. 357,070; May 24; Serial No. 399,927; published Mar. 8, 1938. Class 6.

Fisher Scientific Company, Pittsburgh, Pa. Color comparison apparatus. 357,131; May 24; Serial No. 401,138; published Mar. 15, 1938. Class 26.

Florence Products. (See Carleton, Curtis H.)

Foster-McClellan Company, Buffalo, N. Y. Antacid preparation. 357,166; May 24; Serial No. 401,527; published Mar. 8, 1938. Class 6.

Fox River Paper Company, Appleton, Wis. Bond paper. 357,238; May 24. Class 37.

Frank Pure Food Company, The, Franksville, Wis. Canned spinach. 357,182; May 24; Serial No. 401,731; published Mar. 15, 1938. Class 46.

Frank Pure Food Company, The, Franksville, Wis. Canned sauerkraut and canned sauerkraut juice. 357,183; May 24; Serial No. 401,732; published Mar. 15, 1938. Class 46.

Frank Pure Food Company, Franksville, Wis. Cocktail of tomato and sauerkraut juice. 357,184; May 24; Serial No. 401,734; published Mar. 15, 1938. Class 46.

Galban Lobo Company Importing and Exporting Association, S. A., Habana, Cuba. Wheat flour, bread, crackers, etc. 356,998; May 24; Serial No. 373,255; published Feb. 2, 1937. Class 46.

Gargiulo & Amendola, Inc., New York, N. Y. Fresh pineapples, tomatoes, peppers, etc. 357,143; May 24; Serial No. 401,255; published Mar. 15, 1938. Class 46.

Gemex Company, Newark, N. J. Jewelry. 357,056; May 24; Serial No. 399,349; published Feb. 8, 1938. Class 28.

General Brewing Corporation, San Francisco, Calif. Ale. 357,221; May 24; Serial No. 402,574; published Mar. 15, 1938. Class 48.

General Mills, Inc., Minneapolis, Minn. Poultry food. 357,134; May 24; Serial No. 401,183; published Mar. 15, 1938. Class 46.

Georgia Remedy Company. (See Brooks, Mrs. Courtney C.)

Gibson, Foster E., Jr., doing business as Sonomo Company, Augusta, Ga. Salve. 357,039; May 24; Serial No. 397,405; published Mar. 1, 1938. Class 6.

Gigante Bros. Mfg. Company, Stoneham, Mass. Ointment. 357,066; May 24; Serial No. 399,832; published Mar. 8, 1938. Class 6.

Glasgo Limited, Philadelphia, Pa. Sweaters. 357,086; May 24; Serial No. 400,369; published Mar. 8, 1938. Class 39.

Goldmann, Max, doing business as U X Company, New York, N. Y. Preparation used for shaving. 357,096; May 24; Serial No. 400,690; published Mar. 15, 1938. Class 4.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Radiator stop leak, solder, and cleaner. 357,057; May 24; Serial No. 399,350; published Mar. 8, 1938. Class 6.

Gould, Barbara, Inc., New York, N. Y. Perfumes. 357,106–9; May 24; Serial Nos. 400,837–40; published Mar. 8, 1938. Class 6.

Graef, Jean R., Inc., New York, N. Y. Watch movements and wrist and pocket watches. 357,239; May 24. Class 27.

Grant, W. T., Company, New York, N. Y. Nail polish, nail polish remover, cuticle oil, etc. 357,031; May 24; Serial No. 396,314; published Mar. 8, 1938. Class 6.

Haas-Miller Corp., Philadelphia, Pa. Textile weighting chemicals. 357,132; May 24; Serial No. 401,145; published Mar. 15, 1938. Class 6.

Hallmark Shirt Co., Inc., The, New York, N. Y. Outer shirts. 357,144; May 24; Serial No. 401,260; published Mar. 8, 1938. Class 39.

Hammond Paint & Chemical Co., Inc., The, Beacon, N. Y. Insecticide. 357,150; May 24; Serial No. 401,779; published Mar. 8, 1938. Class 6.

Harris, H., Company, The, St. Paul, Minn. Sport jackets. 357,047; May 24; Serial No. 398,472; published Mar. 15, 1938. Class 39.

Harris, Max, doing business as Max Harris Textile Co., New York, N. Y. Piece goods. 357,197; May 24; Serial No. 401,898; published Mar. 15, 1938. Class 42.

Harrower Laboratory, Inc., The, Glendale, Calif. Medicinal preparation. 357,217; May 24; Serial No. 402,335; published Mar. 15, 1938. Class 6.

Helios-Wirkmaschinenzubehoer Zwingenberger & Co. (See Zwingenberger, Ruth.)

Himalayan Research Laboratories. (See Baird, Mrs. Irvin.)



Honey-Web Inc., New York, N. Y. Ribbon fly catcher. 357,093; May 24; Serial No. 400,644; published Mar. 15, 1938. Class 50.

Hooker & Sanders, Incorporated, New York, N. Y. Thread and yarn. 357,241; May 24. Class 43.

Hoover Hosiery Company, Concord, N. C. Hosiery. 357,028; May 24; Serial No. 396,134; published Mar 15, 1938. Class 39.

Hudson, Jerry M., doing business as Hudson Products, Defiance, Ohio. Poultry feed. 357,237; May 24. Class 46.

Hudson, Joe T., Sutherland Springs, Tex. Preparation for use in treatment of gonorrhea. 357,149; May 24; Serial No. 401,805; published Mar. 1, 1938. Class 6.

Ideal Ladies Undergarment Company, New York, N. Y. Nightgowns, pajamas, and sleepers. 357,168; May 24; Serial No. 401,574; published Mar. 15, 1938. Class 39.

Independent Lock Company, Fitchburg, Mass. Locks and keys. 357,204; May 24; Serial No. 402,004; published Mar. 15, 1938. Class 25.

International Association of Milk Sanitarians, Albany, N. Y. Journal. 357,172; May 24; Serial No. 401,612; published Mar. 15, 1938. Class 38.

Interstate Paint Company, Chicago, Ill. Paints. 357,135–6; May 24; Serial Nos. 401,185–6; published Mar. 15, 1938. Class 16.

Ivers-Lee Company, Newark, N. J. Envelope-like sealed container. 357,013; May 24; Serial No. 391,071; published Mar. 15, 1938. Class 2.

Jackson Manufacturing Co., Harrisburg, Pa. Wheel barrows and concrete carts. 357,122; May 24; Serial No. 401,024; published Mar. 15, 1938. Class 19.

Jacobs Candy Company, Inc., New Orleans, La. Candy. 357,102; May 24; Serial No. 400,767; published Mar. 15, 1938. Class 46.

Jad, Al. (See Ferguson, Alfred D.)

Junkers & Co. Gesellschaft mit beschrankter Haftung, Dessau, Germany. Water heaters, boilers, range tanks, etc. 357,065; May 24; Serial No. 399,796; published Mar. 15, 1938. Class 34.

Kamella, Limited, Bradford, England. Sleeping bags for infants. 357,074; May 24; Serial No. 400,015; published Mar. 8, 1938. Class 39.

Keen, Robinson & Company Limited, Norwich and London, England. Groats packaged for use as a food for infants and invalids. 357,045; May 24; Serial No. 397,935; published Mar. 15, 1938. Class 46.

Keen, Robinson & Company Limited, Norwich and London, England. Barley packaged for use as a food for infants and invalids. 357,046; May 24; Serial No. 397,936; published Mar. 15, 1938. Class 46.

Keller-Kohn Co., The, Cleveland, Ohio. Ladies' and misses' coats and suits. 357,103–4; May 24; Serial Nos. 401,860–7; published Mar. 15, 1938. Class 39.

Kerk Guild, Inc., Whitesboro, N. Y. Toilet waters and dusting powders. 357,118; May 24; Serial No. 400,974; published Mar. 15, 1938. Class 6.

Kerr's Butter Scotch, Inc., Brooklyn, N. Y. Cough drops. 357,043; May 24; Serial No. 397,809; published Mar. 1, 1938. Class 6.

Kidston, Roy P., Wheaton, Ill. Electrical unit for charging a fence wire with electricity. 357,079; May 24; Serial No. 400,108; published Mar. 15, 1938. Class 21.

Knott, Wm. T., Company, Inc., New York, N. Y. Beds, buffets, sewing cabinets, etc. 357,232; May 24. Class 32.

Kontinental Kangaroo Company. (See Paden, Carter N.)

Laatikainen, Jacob, Red Lodge, Mont. Stomach medicine. 357,054; May 24; Serial No. 399,144; published Mar. 8, 1938. Class 6.

Landenberger, J. W., & Co., Philadelphia, Pa. Hosiery. 357,202; May 24; Serial No. 401,956; published Mar. 15, 1938. Class 39.

Larison, Glenn L., La Grange, Oreg. Logging trailers and trucks, and structural replacement parts. 357,012; May 24; Serial No. 390,375; published Mar. 15, 1938. Class 19.

Larus & Brother Company, Richmond, Va. Pipes. 357,240; May 24. Class 8.

Lee Rubber and Tire Corporation, Youngstown, Ohio. Belting. 357,234; May 24. Class 35.

Lensner, Sol, Corporation, Buffalo, N. Y. Carbonated beverages. 357,216; May 24; Serial No. 402,301; published Mar. 15, 1938. Class 45.

Levinsohn Bros. & Co., Inc., New York, N. Y. Woolen cloth, and mixed wool and cotton cloth. 357,169; May 24; Serial No. 401,575; published Mar. 15, 1938. Class 42.

Locke, Jim C., doing business as Jim C. Locke Company, Wharton, Tex. Wheat flour. 357,156; May 24; Serial No. 401,394; published Mar. 15, 1938. Class 46.

Look, Inc., Des Moines, Iowa. Magazine. 357,044; May 24; Serial No. 397,853; published Mar. 15, 1938. Class 38.

Loomtogs, Inc., New York, N. Y. Bathing suits, capes, slacks, robes, etc. 357,059; May 24; Serial No. 399,383; published Mar. 15, 1938. Class 39.

Love, Rufus B., Greenville, Tex. Underwear for women and children. 357,185; May 24; Serial No. 401,747; published Mar. 15, 1938. Class 39.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 357,000–1; May 24; Serial Nos. 377,927–8; published June 23, 1936. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 357,011; May 24; Serial No. 389,138; published Mar. 15, 1938. Class 46.

Lucky Tiger Manufacturing Company, Kansas City, Mo. Hair tonic and dressing. 357,034; May 24; Serial No. 396,685; published Mar. 1, 1938. Class 6.

Luzane, Ltd., Chicago, Ill. Nail enamel removers and facial lotions. 357,063; May 24; Serial No. 399,767; published Mar. 8, 1938. Class 6.

Lyptogrene Company. (See Pidge, Elmer D.)

Macklanburg-Duncan Company, Oklahoma City, Okla. Weatherstrip and automatic door bottoms. 357,048; May 24; Serial No. 398,627; published Mar. 15, 1938. Class 12.

Magee Carpet Company, The, Bloomsburg, Pa. Carpets and rugs. 357,219; May 24; Serial No. 402,394; published Mar. 15, 1938. Class 42.

Magelssen, Thora, doing business as Magelssen Laboratories, Bushford, Minn. Pharmaceutical preparation. 357,032; May 24; Serial No. 400,242; published Mar. 8, 1938. Class 6.

Maison Joubert, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 357,129; May 24; Serial No. 401,115; published Mar. 15, 1938. Class 6.

Markon Garment Co. Inc., New York, N. Y. Dresses and coats. 357,212; May 24; Serial No. 402,067; published Mar. 15, 1938. Class 39.

May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Denver, Colo.; Los Angeles, Calif.; and St. Louis, Mo. Sheets, pillow cases, mattress covers, etc. 357,198; May 24; Serial No. 401,902; published Mar. 15, 1938. Class 42.

May Knitting Co., Inc., New York, N. Y. Sweaters. 357,205; May 24; Serial No. 402,011; published Mar. 15, 1938. Class 39.

McLain, Henry R., Excelsior Springs, Mo. Soft drinks, fresh mint or fresh mint concentrate, etc. 357,026; May 24; Serial No. 395,785; published Mar. 15, 1938. Class 45.

Mardi Gras Products Company. (See Broel, Albert.)

Mellinger, Brainerd L., doing business as Ovrhaul Company, Kansas City, Mo. Motor sealing compound. 357,092; May 24; Serial No. 400,605; published Mar. 8, 1938. Class 6.

Merck & Co., Inc., Rahway, N. J. Anaesthetic. 357,137; May 24; Serial No. 401,221; published Mar. 15, 1938. Class 6.

Meredith Publishing Company, Des Moines, Iowa. Magazine section. 357,145; May 24; Serial No. 401,267; published Mar. 8, 1938. Class 38.

Merrell, Wm. S., Company, The, Reading, Ohio. Cough preparation. 357,173; May 24; Serial No. 401,614; published Mar. 8, 1938. Class 6.

Meylan, A. R. & J. E., New York, N. Y. Watches and supports therefor. 357,227; May 24. Class 27.

Miller, John H., doing business as Ardell Ames, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 357,116; May 24; Serial No. 400,917; published Mar. 15, 1938. Class 6.

Moisture Proof Fabrics, Inc., New York, N. Y. Waterproof fabrics. 357,157; May 24; Serial No. 401,396; published Mar. 15, 1938. Class 50.

Molitor, Helen H., doing business as Toesies, New York, N. Y. Devices for the separation of human toes. 357,035; May 24; Serial No. 396,744; published Mar. 15, 1938. Class 44.

Monsanto Chemical Company, St. Louis, Mo. Chemical compounds. 357,161–3; May 24; Serial Nos. 401,499–501; published Mar. 8, 1938. Class 6.

Motodent Inc., Los Angeles, Calif. Electrically operated tooth brushes. 357,180; May 24; Serial No. 401,715; published Mar. 15, 1938. Class 44.

Naamloose Vennootschap Drogerijen Maatschappij, Rotterdam, Netherlands. Medical and cosmetic products. 357,075; May 24; Serial No. 400,019; published Mar. 8, 1938. Class 6.

National Enameling and Stamping Company, Milwaukee, Wis. Kitchen sets. 357,055; May 24; Serial No. 399,151; published Mar. 15, 1938. Class 2.

Norcross, New York, N. Y. Greeting cards, calendars, etc. 357,123; May 24; Serial No. 401,030; published Mar. 8, 1938. Class 38.

Norrman, Ernst, Chicago, Ill. Watch timing machines. 357,052; May 24; Serial No. 399,056; published Mar. 15, 1938. Class 26.

Onyx Oil & Chemical Company, Jersey City, N. J. Chemical substance. 357,073; May 24; Serial No. 399,976; published Feb. 1, 1938. Class 6.

Ovrhaul Company. (See Mellinger, Brainerd L.)

Oxweld Acetylene Company, New York, N. Y. Nonmetallic welding fluxes. 357,058; May 24; Serial No. 399,370; published Mar. 15, 1938. Class 6.

Pacific Guano Company, San Francisco, Calif. Insecticides. 356,997; May 24; Serial No. 372,579; published Mar. 8, 1938. Class 6.

Paden, Carter N., doing business as Kontinental Kangaroo Company, Atlanta, Ga. Table game. 357,024; May 24; Serial No. 395,623; published Dec. 28, 1937. Class 22.

Palestine House Inc., New York, N. Y. Gelatin dessert. 357,214; May 24; Serial No. 402,138; published Mar. 15, 1938. Class 46.

Pande, Cameron & Co., New York, N. Y. Floor rugs. 357,206; May 24; Serial No. 402,016; published Mar. 15, 1938. Class 42.

Pecora Paint Company, Philadelphia, Pa. Plastic compositions. 357,207; May 24; Serial No. 402,018; published Mar. 15, 1938. Class 12.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Cotton piece goods. 357,176; May 24; Serial No. 401,677; published Mar. 15, 1938. Class 42.

Pepper, Dr., Bottling Company, Greenville, Tex. Beverage, and syrups, extracts, and flavors used in making the same. 357,236; May 24. Class 45.

Pepperell Manufacturing Company, Boston, Mass. Textile fabrics, coverlets, counterpanes, etc. 357,164; May 24; Serial No. 401,506; published Mar. 15, 1938. Class 42.

Perfect Garment Company. (See M. Sobelman.)

Phosphate Mining Company, The, New York, N. Y. Watersoftener. 357,201; May 24; Serial No. 401,946; published Mar. 15, 1938. Class 6.

Pidge, Elmer D., doing business as Lyptogrene Company, Los Angeles, Calif. Ointments. 357,067; May 24; Serial No. 399,856; published Mar. 8, 1938. Class 6.

Pietig, Louis, doing business as Carroll Bottling Co., Carroll, Iowa. Lemon soda. 357,218; May 24; Serial No. 402,343; published Mar. 15, 1938. Class 45.

Pincus Bros., Inc., Philadelphia, Pa. Suits, coats, vests, etc. 357,211; May 24; Serial No. 402,046; published Mar. 15, 1938. Class 39.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Aluminum sheets as used in store front structural material and in panels for construction work. 357,170; May 24; Serial No. 401,584; published Mar. 15, 1938. Class 12.

Prints-Biederman Company, The, Cleveland, Ohio. Women's coats and suits. 357,103; May 24; Serial No. 400,792; published Mar. 15, 1938. Class 39.

R-A-K Laboratories. (See Sun Ray Drug Company.)

R. P. Kalcomine Company, Inc., San Francisco, Calif. Calcimine water paints. 357,027; May 24; Serial No. 396,996; published Sept. 14, 1937. Class 16.

Ransom Chemical Company, Beaver Falls, Pa. Preparation for the destruction of coccidium in livestock and poultry and for destroying and inhibiting soil borne sporulating parasites and similar organisms. 357,022; May 24; Serial No. 395,241; published Mar. 8, 1938. Class 6.

Reed, W. H., & Company, Inc., Atlanta, Ga. Prophylactic sheaths, skins and rubber articles. 357,208; May 24; Serial No. 402,021; published Mar. 15, 1938. Class 44.

Reliance Gauge Column Company, The, Cleveland, Ohio. Liquid level gauges and indicators, parts and fittings thereof. 357,225; May 24. Class 26.

Richmond Fireproof Door Company, The, Richmond, Ind. Fire-resisting doors. 357,209; May 24; Serial No. 402,024; published Mar. 15, 1938. Class 12.

Rising Tide, Inc., New York, N. Y. Publication. 357,178; May 24; Serial No. 401,704; published Mar. 8, 1938. Class 38.

Rosenberg Bros. & Co., San Francisco, Calif. Dried apples. 357,088; May 24; Serial No. 400,529; published Mar. 15, 1938. Class 46.

Rowlett, Fred D., doing business as F. D. Rowlett Enterprises, Muncie, Ind. Trading coupons, tokens, and the like. 357,076–7; May 24; Serial Nos. 400,030–1; published Mar. 8, 1938. Class 38.

Royal Glass Works Corporation, Long Island City, N. Y. Structural glass. 357,098; May 24; Serial No. 400,734; published Mar. 15, 1938. Class 12.

Rubon, Abner A., New York, N. Y. Cases or containers. 357,038; May 24; Serial No. 397,380; published Mar. 15, 1938. Class 2.

Rubon, Victor M., San Francisco, Calif. Shampoo. 357,040; May 24; Serial No. 397,555; published Mar. 15, 1938. Class 6.

Russian Inland Relief Mission, New York, N. Y. Publication. 357,152; May 24; Serial No. 401,352; published Mar. 15, 1938. Class 38.

San Pedro Vegetable Marketing Co., Los Angeles, Calif. Fresh vegetables. 357,229; May 24. Class 46.

Sardou, Anthony P., doing business as A. P. Sardou Laboratories, Albany, N. Y. Liquid preparation for the relief of asthma and hay fever. 357,068; May 24; Serial No. 399,905; published Mar. 8, 1938. Class 6.

Sardou, Anthony P., doing business as A. P. Sardou Laboratories, Albany, N. Y. Ointment. 357,069; May 24; Serial No. 399,906; published Mar. 8, 1938. Class 6.

Schanzer, Henry, & Sons, Inc., New York, N. Y. Children's sweaters and combination pantie and sweater sets. 357,089; May 24; Serial No. 400,530; published Mar. 15, 1938. Class 39.

Schering Corporation, Bloomfield, N. J. Medicinal estrogenic hormone preparation. 357,138; May 24; Serial No. 401,224; published Mar. 8, 1938. Class 6.

Schildge, George W., doing business as George W. Schildge Paper Co., Chicago, Ill. Toilet paper. 357,224; May 24. Class 37.

Schrank, M. C., Company, Bridgeton, N. J. One-piece combination dress and culotte. 357,188; May 24; Serial No. 401,836; published Mar. 15, 1938. Class 39.

Schulz, Henry, New York, N. Y. Scientific hormone preparation. 357,195; May 24; Serial No. 401,873; published Mar. 15, 1938. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Bathing suits. 357,179; May 24; Serial No. 401,706; published Mar. 8, 1938. Class 39.

Semon Bache & Company, New York, N. Y. Sheet glass. 357,005; May 24; Serial No. 387,351; published Mar. 15, 1938. Class 33.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Rapidly lyophilised biologically active substances. 357,071; May 24; Serial No. 399,940; published Mar. 8, 1938. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Pharmaceutical medicinal products. 357,119; May 24; Serial No. 400,998; published Mar. 15, 1938. Class 6.

Siceloff Manufacturing Company, Lexington, N. C. Overalls, work coats, work shirts, etc. 357,078; May 24; Serial No. 400,041; published Mar. 8, 1938. Class 39.

Smith, Joseph L., doing business as Spring Specialty Co., Maywood, Ill. Door-lock guards, bumper guards, etc. 357,231; May 24. Class 19.

Sobelman, Morris, doing business as Perfect Garment Company, Baltimore, Md. Women's, misses', and children's clothing. 357,111; May 24; Serial No. 400,884; published Mar. 1, 1938. Class 39.

Sonome Company. (See Gibson, Foster E., Jr.)

Soule Steel Company, San Francisco, Calif. Light steel frame construction for buildings. 357,037; May 24; Serial No. 396,843; published Mar. 8, 1938. Class 12.

Spanish Newspaper Corporation, The, New York, N. Y. Publication. 357,035; May 24; Serial No. 396,752; published Mar. 15, 1938. Class 38.

Spring Specialty Co. (See J. L. Smith.)

Squibb, E. R. & Sons, New York, N. Y. Tonics. 356,996; May 24; Serial No. 371,832; published Mar. 8, 1938. Class 6.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Asphalt and asphaltic compounds. 357,187; May 24; Serial No. 401,797; published Mar. 15, 1938. Class 12.

Standard Projectors, Inc., New York, N. Y. Motion picture projecting machines. 357,139; May 24; Serial No. 401,227; published Mar. 15, 1938. Class 26.

Statimeter Company Ltd., The, Liverpool, England. Pressure gauges and pressure indicating and recording apparatus. 357,085; May 24; Serial No. 400,322; published Mar. 15, 1938. Class 26.

Stephens, Percy W., Chicago, Ill. Base metal cooking hollowware. 357,042; May 24; Serial No. 397,733; published Mar. 15, 1938. Class 13.

Sterling Aluminum Products Inc., St. Louis, Mo. Aluminum pistons. 357,226; May 24. Class 23.

Sterling Cake Co., Inc., Brooklyn, N. Y. Bread, crackers, cookies, etc. 357,150; May 24; Serial No. 401,321; published Mar. 15, 1938. Class 46.

Stevens, Chas. A., & Co., Chicago, Ill. Suits, coats, skirts, jackets, and dresses. 357,015; May 24; Serial No. 391,404; published Mar. 8, 1938. Class 39.

Stone, Eugene E., III, doing business as The Stone Manufacturing Company, Greenville, S. C. Garments. 357,090–1; May 24; Serial Nos. 400,537–8; published Mar. 8, 1938. Class 39.

Sun Ray Drug Company, doing business as R-A-K Laboratories, Philadelphia, Pa. Insecticide, vermicide, and larvaecide. 357,112; May 24; Serial No. 400,888; published Mar. 8, 1938. Class 6.

Taylor, S. G., Chain Company, Hammond, Ind. Tractor chains. 357,083; May 24; Serial No. 400,257; published Mar. 15, 1938. Class 23.

Tepper, J. Saul, Baltimore, Md. Antiseptic medicated hand lotion. 357,020; May 24; Serial No. 394,683; published Mar. 8, 1938. Class 6.

Thomas, Chester L., Denver, Colo. Piece goods. 357,146; May 24; Serial No. 401,284; published Mar. 15, 1938. Class 42.

Tidy Products Corporation, New York, N. Y. Combination blanket and sleeping garment. 357,210; May 24; Serial No. 402,036; published Mar. 15, 1938. Class 39.

Toesies. (See Molitor, Helen H.)

Tokunaga, Masakichi, Los Angeles, Calif. Liniment. 357,081; May 24; Serial No. 400,176; published Mar. 15, 1938. Class 6.

Train & McIntyre, Limited, Glasgow, Scotland. Scotch whisky. 357,199; May 24; Serial No. 401,912; published Mar. 15, 1938. Class 49.

Trifari, Krussman & Fishel, Inc., New York, N. Y. Jewelry. 357,174; May 24; Serial No. 401,626; published Mar. 1, 1938. Class 28.

Troy Linotyping Co. (See Zent, Wayne P.)

Truesdell, Roger W., Los Angeles, Calif. Charts of food values. 356,999; May 24; Serial No. 376,651; published Mar. 15, 1938. Class 38.

Tulon Products, Inc., New York, N. Y. Vitamin product. 357,113; May 24; Serial No. 400,889; published Mar. 15, 1938. Class 6.

Tur-Tol Products. (See Almond, David B.)

U. S. Knitwear Corp., New York, N. Y. Slacks, playsuits, and culottes. 357,189; May 24; Serial No. 401,837; published Mar. 15, 1938. Class 39.

U X Company. (See Goldmann, Max.)

United States Glass Company, Pittsburgh, Pa. Glass articles. 357,049; May 24; Serial No. 398,742; published Mar. 15, 1938. Class 33.

Usalco Merchandising Co. (See Zacharias, Erhard.)

Valentine Laboratories, Inc., Chicago, Ill. Hygienic preparations. 357,215; May 24; Serial No. 402,282; published Mar. 15, 1938. Class 6.



Vanderbilt, R. T., Company, Inc., New York, N. Y. Dialkyl-dithiocarbamate of selenium. 357,190; May 24; Serial No. 401,841; published Mar. 15, 1938. Class 6.

Vitaminerals, Inc., Los Angeles, Calif. Vegetable, milk, and fruit product. 357,104; May 24; Serial No. 400,813; published Mar. 15, 1938. Class 46.

Vorhees, Frank H., doing business as Vor-Sal Laboratories, Chicago, Ill. Tooth powder in tablet form. 357,228; May 24. Class 6.

Vor-Sal Laboratories. (See Vorhees, Frank H.)

Wasatch Oil Refining Company, Woods Cross and Salt Lake City, Utah. Propane gas. 357,097; May 24; Serial No. 400,712; published Mar. 8, 1938. Class 6.

Waverly Growers Cooperative, Waverly, Fla. Fresh citrus fruits. 357,017; May 24; Serial No. 393,626; published Mar. 15, 1938. Class 46.

Weitz, S., & Company, Inc., Cleveland, Ohio. Top coats and overcoats. 357,177; May 24; Serial No. 401,684; published Mar. 8, 1938. Class 39.

Western Pines Plywood, Klamath Falls, Oreg. Lumber. 357,029; May 24; Serial No. 396,287; published Mar. 15, 1938. Class 12.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric luminaires. 357,019; May 24; Serial No. 394,152; published Mar. 15, 1938. Class 21.

Westminster Steel Company, New York, N. Y. Razor blades. 357,242; May 24. Class 23.

Wilbur-Rogers, Inc., New York, N. Y. Hosiery. 357,153; May 24; Serial No. 401,358; published Mar. 15, 1938. Class 39.

Wintark Company, The, Cicero, Ill. Basketballs. 357,220; May 24; Serial No. 402,493; published Mar. 15, 1938. Class 22.

Y. Y. Preparations Limited, London, England. Pills. 357,051; May 24; Serial No. 398,956; published Mar. 15, 1938. Class 6.

Younghusband, James L., Chicago, Ill. Vitamin tablets. 357,099; May 24; Serial No. 400,741; published Mar. 8, 1938. Class 6.

Zacharias, Erhard, doing business as Usalco Merchandising Co., New York, N. Y. Insecticides and particularly insect powder. 357,030; May 24; Serial No. 396,289; published Mar. 8, 1938. Class 6.

Zent, Wayne P., doing business as Troy Linotyping Co., Troy, N. Y. Game. 357,200; May 24; Serial No. 401,915; published Mar. 15, 1938. Class 22.

Zwingenberger, Ruth, doing business as Helios-Wirkmaschinenzubehoer Zwingenberger & Co., Hohenstein-Ernstthal, Saxony, Germany. Knitting machine parts. 357,025; May 24; Serial No. 395,782; published Nov. 30, 1937. Class 23.

## LIST OF REGISTRANTS OF LABELS

Anabolic Food Products, Inc., Chicago, Ill. Clobana Ad-6. For a Supplemental Food Containing Calcium and Phosphorus with Vitamins A and D. 51,198; May 24.

Atlas Spirits Co. (See Pressman, S. M.)

Boyer Products Company, Weirsdale, Fla. Boyer's Grapefruit Juice. For Grapefruit Juice. 51,199; May 24.

Burns, George H., Loveland, Colo. Burns Specific Remedy. For Medicine for Treating Sleeping Sickness Among Horses. 51,200; May 24.

Crest Company. (See Larkin, Daniel C.)

Gilbert, A. C., Company, The, New Haven, Conn. Mysto Magic. For Magic Exhibition Sets. 51,201; May 24.

Junge Baking Company, Joplin, Mo. It's Life Bread. For Bread. 51,202; May 24.

Knight Kap Inc., San Antonio, Tex. Knight Kap. For Preparation to Prevent Headaches and Hangovers. 51,203; May 24.

Larkin, Daniel C., doing business as Crest Company, Detroit, Mich. Crest Scuff Pads. For Scuff Pads. 51,204; May 24.

Lund, C. Harrison, Erie, Pa. Lunds Dextrose Syrup and Grape Juice. For a Compound of Grape Sugar (Dextrose) Syrup and Grape Juice. 51,205; May 24.

Maison Maxime. (See Max, George L.)

Max, George L., doing business as Maison Maxime, Chicago, Ill. Maxime—Breath of Flowers. For Perfume. 51,206; May 24.

One-Putt Products Company, Port Chester, N. Y. One-Putt Ant Control. For a Liquid Preparation for Exterminating Ants, and Applicators Therefor. 51,207; May 24.

Paulson, Karl C., Spokane, Wash. Paulson's Evergreen Cabbage. For Cabbages. 51,208; May 24.

Pitman, Harold M., Company, Chicago, Ill. Pitman Vulcalin Roller. For Rollers for Rolling Up and Proofing Photo-Engraving and Lithographic Plates. 51,209; May 24.

Pressman, S. M., doing business as Atlas Spirits Co., Philadelphia, Pa. Philmont. For Blended Whiskey. 51,210; May 24.

Pressman, S. M., doing business as Atlas Spirit Co., Philadelphia, Pa. Post Time. For Blended Whiskey. 51,211; May 24.

Purex Corporation, Ltd., South Gate, Calif. Purex. For a Bleach and Water Softener. 51,212; May 24.

Rochelle Asparagus Company, Rochelle, Ill. T'n Shun. For Canned Asparagus. 51,213; May 24.

Rosebud Art Co., New York, N. Y. Big Apple. For a Game. 51,214; May 24.

Sandra, Inc., doing business as Sandra, Hollywood, Los Angeles, Calif. Sandra. For Beauty Masque. 51,215; May 24.

Schwartzberg, Louis, Chicago, Ill. Garage Egg Carton. For Egg Cartons. 51,216; May 24.

Sealright Co., Inc., Fulton, N. Y. Streak Norton. For Ice Cream Cups. 51,217; May 24.

Sealright Co., Inc., Fulton, N. Y. Red Falcon. For Ice Cream Cups. 51,218; May 24.

Thornton, Rénee, New York, N. Y. Muscle Uplift. For a Facial Cosmetic. 51,219; May 24.

Treasure Island Coffee Corporation, San Francisco, Calif. Treasure Island Coffee. For Coffee. 51,220; May 24.

United Distributors, Inc., Louisville, Ky. Hair Kleen. For a Liquid Shampoo. 51,221; May 24.

United Distributors, Inc., Louisville, Ky. Hair Kulor. For a Hair Tonic and Color Restorer. 51,222; May 24.

Universal Motor Oils Co. Inc., The, Wichita, Kans. Desol. For Motor Oil. 51,223; May 24.

Veldown Company, Inc., New York, N. Y. Handies 200 Sheets. For Cleansing Tissues. 51,224; May 24.

Veldown Company, Inc., New York, N. Y. Handies 200 Sheets 12 X 15. For Cleansing Tissues. 51,225; May 24.

Veldown Company, Inc., New York, N. Y. Handies 500 Sheets. For Cleansing Tissues. 51,226; May 24.

Veldown Company, Inc., New York, N. Y. Handies 1000 Sheets. For Cleansing Tissues. 51,227; May 24.

Zoro Company, The, Chicago, Ill. Odor Chaser. For a Bowl Deodorant. 51,228; May 24.

## LIST OF REGISTRANTS OF PRINTS

Bigelow-Sanford Carpet Co. Inc., New York, N. Y. Yes—It Really does Spring Back! For Rugs and Carpets. 16,843; May 24.

Borden Company, The, New York, N. Y. Five Star Fountain Service—Borden's Ice Cream. For Ice Cream. 16,844; May 24.

Campbell, Walter W., Monte Vista, Colo. America's Finest Potatoes. For Potatoes. 16,845; May 24.

General Mills, Inc., Minneapolis, Minn. It's Not Really Strawberry Shortcake Unless It's the Biscuit Kind. For Biscuit Flour. 16,846; May 24.

Hershey Chocolate Corporation, Hershey, Pa. Hershey's First in Favor and Flavor. For Chocolate Bars. 16,847; May 24.

One-Putt Products Company, Scarsdale, N. Y. One-Putt and Control. For a Liquid Preparation for Exterminating Ants and Applicators Therefor. 16,848; May 24.

Parker Pen Company, The, Janesville, Wis. Ruth Bryan Owen's Pen Has What It Takes. For Fountain Pens, Mechanical Pencils, and Ink. 16,849; May 24.

Speed Nut Division, Tinnerman Stove & Range Company. (See Tinnerman, Albert H.)

Tasty Baking Company, Philadelphia, Pa. Bush Order. For Cake. 16,850; May 24.

Tinnerman, Albert H., doing business as Speed Nut Division, Tinnerman Stove & Range Company, Cleveland, Ohio. Speed Nut System. For Locking Plates for Screws and Bolts. 16,851; May 24.

Voss, Carl & Stella, Chicago, Ill. Pan-Do-Chin. For a Mechanical Toy. 16,852; May 24.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED

### CLASS 1

Coal. Bell & Zoller Coal Company. 357,114; May 24; Serial No. 400,898; published Mar. 15, 1938.
Coal. Bell & Zoller Coal Company. 357,115; May 24; Serial No. 400,900; published Mar. 15, 1938.

### CLASS 2

Cases or containers. A. A. Ruben. 357,038; May 24; Serial No. 397,380; published Mar. 15, 1938.
Container, Envelope-like sealed. Ivers-Lee Company. 357,013; May 24; Serial No. 391,071; published Mar. 15, 1938.
Kitchen sets. National Enameling and Stamping Company. 357,055; May 24; Serial No. 399,151; published Mar. 15, 1938.

### CLASS 4

Preparation used for shaving. M. Goldmann. 357,096; May 24; Serial No. 400,690; published Mar. 15, 1938.

### CLASS 5

Adhesive cement, Rubber. B. K. Elliott Company. 357,235; May 24.

### CLASS 6

Anaesthetic. Merck & Co. 357,137; May 24; Serial No. 401,221; published Mar. 15, 1938.
Antacid preparation. Foster-McClellan Company. 357,166; May 24; Serial No. 401,527; published Mar. 8, 1938.
Anti-acid stomach tablet. Comfort Manufacturing Company. 357,175; May 24; Serial No. 401,653; published Mar. 8, 1938.
Antiseptic and a preparation for the treatment of minor wounds, etc., Mouth. Mrs. C. C. Brooks. 357,007; May 24; Serial No. 387,450; published Mar. 1, 1938.
Astringent. Campana Corporation. 357,125; May 24; Serial No. 401,089; published Mar. 8, 1938.
Astringents, astringent cerates, bleach creams, etc. Maison Joubert, Inc. 357,129; May 24; Serial No. 401,115; published Mar. 15, 1938.
Astringents, astringent cerates, bleach creams, etc. J. H. Miller. 357,116; May 24; Serial No. 400,917; published Mar. 15, 1938.
Bath oils, bath salts, face powders, etc. Arcabe, Inc. 357,105; May 24; Serial No. 400,823; published Mar. 8, 1938.
Biologically active substances, Rapidly lyophilized. Sharp & Dohme, Incorporated. 357,071; May 24; Serial No. 399,940; published Mar. 8, 1938.
Chemical compounds. Monsanto Chemical Company. 357,161–3; May 24; Serial Nos. 401,499–501; published Mar. 8, 1938.
Chemicals. Aktivin Corporation. 357,158; May 24; Serial No. 401,415; published Mar. 1, 1938.
Chemicals for use in the dyeing industry. John Campbell & Co. 357,147; May 24; Serial No. 401,292; published Mar. 15, 1938.
Chemicals, Textile weighting. Haas-Miller Corp. 357,132; May 24; Serial No. 401,145; published Mar. 15, 1938.
Compound or composition for use in the treatment of water. F. C. Adams. 357,080; May 24; Serial No. 400,150; published Mar. 8, 1938.
Contraceptive preparation. Dayton Laboratories, Incorporated. 357,133; May 24; Serial No. 401,180; published Mar. 1, 1938.
Contraseptic preparation. C. H. Carleton. 357,095; May 24; Serial No. 400,682; published Mar. 8, 1938.
Cosmetics. Chemical Industries of California. 357,061; May 24; Serial No. 399,499; published Mar. 1, 1938.
Cough drops. Kerr's Butter Scotch, Inc. 357,043; May 24; Serial No. 397,809; published Mar. 1, 1938.
Cough preparation. Wm. S. Merrell Company. 357,173; May 24; Serial No. 401,614; published Mar. 8, 1938.
Chemical substance. Onyx Oil & Chemical Company. 357,073; May 24; Serial No. 399,976; published Feb. 1, 1938.
Cream, Cleansing. Bloomingdale Bros., Inc. 357,128; May 24; Serial No. 401,102; published Mar. 15, 1938.
Dialkyl-dithiocarbamate of selenium. R. T. Vanderbilt Company. 357,190; May 24; Serial No. 401,841; published Mar. 15, 1938.
Disinfectants, deodorants, insecticides, etc. American Disinfecting Co. 357,094; May 24; Serial No. 400,674; published Mar. 15, 1938.
Drugs. Allied Stores Corporation. 357,159; May 24; Serial No. 401,420; published Mar. 8, 1938.
Fluxes, Non-metallic welding. Oxweld Acetylene Company. 357,058; May 24; Serial No. 399,370; published Mar. 15, 1938.
Hair tonic and dressing. Lucky Tiger Manufacturing Company. 357,034; May 24; Serial No. 396,685; published Mar. 1, 1938.
Hair tonic preparation. J. Bedard. 357,003; May 24; Serial No. 385,681; published Mar. 8, 1938.
Hormone preparation, Scientific. H. Schulz. 357,195; May 24; Serial No. 401,873; published Mar. 15, 1938.
Hygienic preparations. Valentine Laboratories, Inc. 357,215; May 24; Serial No. 402,282; published Mar. 15, 1938.
Insecticide. Hammond Paint & Chemical Co. 357,186; May 24; Serial No. 401,779; published Mar. 8, 1938.
Insecticide, vermicide, and larvaecide. Sun Ray Drug Company. 357,112; May 24; Serial No. 400,888; published Mar. 8, 1938.
Insecticides. Pacific Guano Company. 356,997; May 24; Serial No. 372,579; published Mar. 8, 1938.
Insecticides and insecticidal compositions. Dow Chemical Company. 357,148; May 24; Serial No. 401,299; published Mar. 15, 1938.
Insecticides and particularly insect powder. E. Zacharias. 357,030; May 24; Serial No. 396,289; published Mar. 8, 1938.
Liniment. M. Tokunaga. 357,081; May 24; Serial No. 400,176; published Mar. 15, 1938.
Lipstick, rouge, face powder, etc. Associated Distributors, Inc. 357,009; May 24; Serial No. 387,651; published Mar. 8, 1938.
Lotion. W. Finkelstein. 357,070; May 24; Serial No. 399,927; published Mar. 8, 1938.
Lotion. Antiseptic medicated hand. J. S. Tepper. 357,020; May 24; Serial No. 394,683; published Mar. 8, 1938.
Lozenges, Medicated. Boots Pure Drug Company Limited. 357,140; May 24; Serial No. 401,234; published Mar. 15, 1938.
Medical and cosmetic products. Naamlooze Vennootschap Drogerijen Maatschappij. 357,075; May 24; Serial No. 400,019; published Mar. 8, 1938.
Medicine, Cough. Cavacos' Drug Company. 357,203; May 24; Serial No. 401,983; published Mar. 15, 1938.
Medicine for care of hair follicles and scalp. Capatone Products Co. 357,171; May 24; Serial No. 401,601; published Mar. 8, 1938.
Medicine, Stomach. J. Laatikainen. 357,054; May 24; Serial No. 399,144; published Mar. 8, 1938.
Medicinal estrogenic hormone preparation. Schering Corporation. 357,138; May 24; Serial No. 401,224; published Mar. 8, 1938.
Medicinal oil. Mrs. I. Baird. 357,002; May 24; Serial No. 379,998; published Mar. 8, 1938.
Medicinal preparation. American Chemical Company. 357,014; May 24; Serial No. 391,221; published Mar. 15, 1938.
Medicinal preparation. Harrower Laboratory, Inc. 357,217; May 24; Serial No. 402,335; published Mar. 15, 1938.
Mouth wash. Chicago Pharmacal Co. 357,021; May 24; Serial No. 395,018; published Mar. 8, 1938.
Nail enamel removers and facial lotions. Luzane, Ltd. 357,063; May 24; Serial No. 399,767; published Mar. 8, 1938.
Nail polish, nail polish remover, cuticle oil, etc. W. T. Grant Company. 357,031; May 24; Serial No. 396,314; published Mar. 8, 1938.
Ointment. Gigante Bros. Mfg. Company. 357,066; May 24; Serial No. 399,832; published Mar. 8, 1938.
Ointment. A. P. Sardou. 357,069; May 24; Serial No. 399,906; published Mar. 8, 1938.
Ointments. E. D. Pidge. 357,067; May 24; Serial No. 399,856; published Mar. 8, 1938.
Osmotherapeutic treatment of ear diseases. Doho Chemical Corporation. 357,151; May 24; Serial No. 401,339; published Mar. 15, 1938.
Perfumes. Barbara Gould, Inc. 357,106–9; May 24; Serial Nos. 400,837–40; published Mar. 8, 1938.
Pharmaceutical medicinal products. Sharp & Dohme, Incorporated. 357,119; May 24; Serial No. 400,998; published Mar. 15, 1938.
Pharmaceutical preparation. T. Magelssen. 357,082; May 24; Serial No. 400,242; published Mar. 8, 1938.
Pills. Y. Y. Preparations Limited. 357,051; May 24; Serial No. 398,956; published Mar. 15, 1938.
Powders, Headache. Ber-Mel Laboratories Company. 357,032; May 24; Serial No. 396,592; published Mar. 15, 1938.
Preparation for cuts, sores, etc. D. B. Almond. 357,008; May 24; Serial No. 387,487; published Mar. 15, 1938.
Preparation for use as a digestant and stomachic, Liquid. K. P. Alexander. 357,064; May 24; Serial No. 400,262; published Mar. 15, 1938.
Preparation for use in treatment of gonorrhea. J. T. Hudson. 357,149; May 24; Serial No. 401,305; published Mar. 1, 1938.
Preparation for the destruction of coccidium on livestock and poultry and for destroying and inhibiting soil borne sporulating parasites and similar organisms. Ransom Chemical Company. 357,022; May 24; Serial No. 395,241; published Mar. 8, 1938.
Preparation for the relief of asthma and hay fever. A. P. Sardou. 357,068; May 24; Serial No. 399,905; published Mar. 8, 1938.
Preparation for the treatment of piles. W. E. Dempsey. 357,062; May 24; Serial No. 399,502; published Mar. 1, 1938.





Propane gas. Wasatch Oil Refining Company. 357,097; May 24; Serial No. 400,712; published Mar. 8, 1938.
Radiator stop-leak, solder, and cleaner. B. F. Goodrich Company. 357,057; May 24; Serial No. 399,350; published Mar. 8, 1938.
Reagent for testing solutions for sugar, Dry. Denver Chemical Manufacturing Company. 357,121; May 24; Serial No. 401,016; published Mar. 15, 1938.
Salve. F. E. Gibson, Jr. 357,039; May 24; Serial No. 397,405; published Mar. 1, 1938.
Sealing compound, Motor. B. L. Mellinger. 357,092; May 24; Serial No. 400,605; published Mar. 8, 1938.
Shampoo. V. M. Rubon. 357,040; May 24; Serial No. 397,555; published Mar. 15, 1938.
Toilet waters and dusting powders. Kerk Guild, Inc. 357,118; May 24; Serial No. 400,974; published Mar. 15, 1938.
Tonics. E. R. Squibb & Sons. 356,996; May 24; Serial No. 371,832; published Mar. 8, 1938.
Tooth powder in tablet form. F. H. Vorhees. 357,228; May 24.
Vitamin product. Tulon Products, Inc. 357,113; May 24; Serial No. 400,889; published Mar. 15, 1938.
Vitamin tablets. J. L. Younghusband. 357,099; May 24; Serial No. 400,741; published Mar. 8, 1938.
Waterproofing preparations. Chemische Fabrik R. Baumheier, Aktiengesellschaft. 357,004; May 24; Serial No. 387,030; published Mar. 15, 1938.
Water-softener. Phosphate Mining Company. 357,201; May 24; Serial No. 401,946; published Mar. 15, 1938.

### CLASS 8

Pipes. Larus & Brother Company. 357,240; May 24.

### CLASS 10

Fertilizers. Consolidated Rendering Company. 356,994; May 24; Serial No. 356,832; published Mar. 15, 1938.

### CLASS 12

Aluminum sheets as used in store front structural material and in panels for construction work. Pittsburgh Plate Glass Company. 357,170; May 24; Serial No. 401,584; published Mar. 15, 1938.
Asphalt and asphaltic compounds. Standard Oil Company of California. 357,187; May 24; Serial No. 401,797; published Mar. 15, 1938.
Doors, Fire-resisting. Richmond Fireproof Door Company. 357,209; May 24; Serial No. 402,024; published Mar. 15, 1938.
Frame construction for buildings, Light steel. Soule Steel Company. 357,037; May 24; Serial No. 396,843; published Mar. 8, 1938.
Lumber. Western Pines Plywood. 357,029; May 24; Serial No. 396,287; published Mar. 15, 1938.
Plastic compositions. Pecora Paint Company. 357,207; May 24; Serial No. 402,018; published Mar. 15, 1938.
Structural glass. Royal Glass Works Corporation. 357,098; May 24; Serial No. 400,734; published Mar. 15, 1938.
Weatherstrip and automatic door bottoms. Macklanburg-Duncan Company. 357,048; May 24; Serial No. 398,627; published Mar. 15, 1938.

### CLASS 13

Fencing and metal fence posts, Wire. Collinson Fence Co. 357,191; May 24; Serial No. 401,850; published Mar. 15, 1938.
Hollowware, Base metal cooking. P. W. Stephens. 357,042; May 24; Serial No. 397,733; published Mar. 15, 1938.

### CLASS 16

Paint for concrete, wood, and metal. W. E. Bull. 357,100; May 24; Serial No. 400,744; published Mar. 15, 1938.
Paints. Interstate Paint Company. 357,135–6; May 24; Serial Nos. 401,185–6; published Mar. 15, 1938.
Paints, Calcimine water. R. P. Kalsomine Company. 357,027; May 24; Serial No. 395,995; published Sept. 14, 1937.

### CLASS 19

Automobiles, bicycles, and motorcycles, and structural parts thereof. G. Bunau-Varilla. 357,110; May 24; Serial No. 400,858; published Mar. 15, 1938.
Guards, bumper guards, etc., Door-lock. J. L. Smith. 357,231; May 24.
Trailers and trucks, and structural parts for such trucks and trailers, Logging. G. L. Larison. 357,012; May 24; Serial No. 390,375; published Mar. 15, 1938.
Wheel barrows and concrete carts. Jackson Manufacturing Co. 357,122; May 24; Serial No. 401,024; published Mar. 15, 1938.

### CLASS 21

Coils, Ignition. Elsbert Manufacturing Company. 357,124; May 24; Serial No. 401,056; published Mar. 15, 1938.
Electrical unit for charging a fence wire with electricity. R. P. Kidston. 357,079; May 24; Serial No. 400,108; published Mar. 15, 1938.
Luminaires, Electric. Westinghouse Electric & Manufacturing Company. 357,019; May 24; Serial No. 394,152; published Mar. 15, 1938.
Radio receiving sets. Center Music Stores, Inc. 357,101; May 24; Serial No. 400,751; published Mar. 15, 1938.
Roasters, Coffee. Coffee Electrost Corporation. 357,050; May 24; Serial No. 398,811; published Mar. 15, 1938.
Spark plugs. W. K. Andersen. 357,127; May 24; Serial No. 401,100; published Mar. 15, 1938.

### CLASS 22

Basketballs. Wintark Company. 357,220; May 24; Serial No. 402,493; published Mar. 15, 1938.
Game. W. P. Zent. 357,200; May 24; Serial No. 401,915; published Mar. 15, 1938.
Game, Table. G. N. Paden. 357,024; May 24; Serial No. 395,623; published Dec. 28, 1937.

### CLASS 23

Chains, Tractor. S. G. Taylor Chain Company. 357,083; May 24; Serial No. 400,257; published Mar. 15, 1938.
Filters, Oil. Deluxe Products Corporation. 357,233; May 24.
Knitting machine parts. R. Zwingenberger. 357,025; May 24; Serial No. 395,782; published Nov. 30, 1937.
Pistons, Aluminum. Sterling Aluminum Products Inc. 357,226; May 24.
Razor blade sharpening apparatus, Manually operated. Blade Master, Inc. 357,023; May 24; Serial No. 395,395; published Jan. 25, 1938.
Razor blades. Club Razor & Blade Manufacturing Corporation. 357,060; May 24; Serial No. 399,899; published Mar. 15, 1938.
Razor blades. Westminster Steel Company. 357,242; May 24.

### CLASS 25

Locks and keys. Independent Lock Company. 357,204; May 24; Serial No. 402,004; published Mar. 15, 1938.

### CLASS 26

Color comparison apparatus. Fisher Scientific Company. 357,131; May 24; Serial No. 401,138; published Mar. 15, 1938.
Gauges and indicators, parts and fittings thereof, Liquid level. Reliance Gauge Column Company. 357,225; May 24.
Gauges and pressure indicating and recording apparatus, Pressure. Statimeter Company Ltd. 357,085; May 24; Serial No. 400,322; published Mar. 15, 1938.
Outfits for use in photographically printing and developing photographic materials. Eastman Kodak Company. 357,053; May 24; Serial No. 399,076; published Mar. 15, 1938.
Projecting machines, Motion picture. Standard Projectors, Inc. 357,139; May 24; Serial No. 401,227; published Mar. 15, 1938.
Timing machines, Watch. E. Norrman. 357,052; May 24; Serial No. 399,056; published Mar. 15, 1938.

### CLASS 27

Watch movements and wrist and pocket watches. Jean R. Graef, Inc. 357,239; May 24.
Watches and supports therefor. A. R. & J. E. Meylan. 357,227; May 24.

### CLASS 28

Jewelry. American Renaissance Associates, Inc. 357,117; May 24; Serial No. 400,941; published Mar. 1, 1938.
Jewelry. Gemex Company. 357,056; May 24; Serial No. 399,349; published Feb. 8, 1938.
Jewelry. Trifari, Krussman & Fishel, Inc. 357,174; May 24; Serial No. 401,626; published Mar. 1, 1938.

### CLASS 32

Beds, buffets, sewing cabinets, etc. Wm. T. Knott Company. 357,232; May 24.

### CLASS 33

Glass articles. United States Glass Company. 357,049; May 24; Serial No. 398,742; published Mar. 15, 1938.
Glass, Sheet. Semon Bache & Company. 357,005; May 24; Serial No. 387,351; published Mar. 15, 1938.

### CLASS 34

Heaters, boilers, range tanks, etc., Water. Junkers & Co. Gesellschaft mit beschrankter Haftung. 357,065; May 24; Serial No. 399,798; published Mar. 15, 1938.
Shutters and dampers, fan and shutter assemblies, etc. Elgo Shutter & Manufacturing Company. 357,142; May 24; Serial No. 401,243; published Mar. 15, 1938.

### CLASS 35

Belting. Lee Rubber and Tire Corporation. 357,234; May 24.

### CLASS 37

Paper, Bond. Fox River Paper Company. 357,238; May 24.
Paper, Toilet. G. W. Schildge. 357,224; May 24.

### CLASS 38

Cards, calendars, etc., Greeting. Norcross. 357,128; May 24; Serial No. 401,030; published Mar. 8, 1938.
Charts of food values. R. W. Truesdail. 356,999; May 24; Serial No. 376,651; published Mar. 15, 1938.

Coupons, tokens, and the like, Trading. F. D. Rowlett. 357,076–7; May 24; Serial Nos. 400,030–1; published Mar. 8, 1938.
Journal. International Association of Milk Sanitarians. 357,172; May 24; Serial No. 401,612; published Mar. 15, 1938.
Magazine. Look, Inc. 357,044; May 24; Serial No. 397,853; published Mar. 15, 1938.
Magazine section. Meredith Publishing Company. 357,145; May 24; Serial No. 401,267; published Mar. 8, 1938.
Periodical. A. D. Ferguson. 357,010; May 24; Serial No. 388,439; published Apr. 6, 1937.
Periodical brochures and pamphlets. H. S. Bunting. 357,167; May 24; Serial No. 401,553; published Mar. 8, 1938.
Publication. Rising Tide, Inc. 357,178; May 24; Serial No. 401,704; published Mar. 8, 1938.
Publication. Russia Inland Relief Mission. 357,152; May 24; Serial No. 401,352; published Mar. 15, 1938.
Publication. Spanish Newspaper Corporation. 357,036; May 24; Serial No. 396,752; published Mar. 15, 1938.

CLASS 39

Bathing suits. Sears, Roebuck and Co. 357,179; May 24; Serial No. 401,706; published Mar. 8, 1938.
Blanket and sleeping garment, Combination. Tidy Products Corporation. 357,210; May 24; Serial No. 402,036; published Mar. 15, 1938.
Clothing, Women's, misses', and children's. M. Sobelman. 357,111; May 24; Serial No. 400,884; published Mar. 1, 1938.
Coats and suits, Ladies' and misses'. Keller-Kohn Co. 357,193–4; May 24; Serial Nos. 401,866–7; published Mar. 15, 1938.
Coats and suits, Women's. Prints-Biederman Company. 357,103; May 24; Serial No. 400,792; published Mar. 15, 1938.
Coats, fur wraps, fur collars, etc., Fur. Cohen Bros. 52nd St. Inc. 357,072; May 24; Serial No. 399,955; published Mar. 15, 1938.
Dress and culotte, One-piece combination. M. C. Schrank Company. 357,188; May 24; Serial No. 401,836; published Mar. 15, 1938.
Dresses and coats. Markon Garment Co. Inc. 357,212; May 24; Serial No. 402,067; published Mar. 15, 1938.
Dresses, skirts, sweaters, etc., Street. Cotton Shop, Inc. 357,087; May 24; Serial No. 400,494; published Mar. 8, 1938.
Garments. E. E. Stone III. 357,090–1; May 24; Serial Nos. 400,537–8; published Mar. 8, 1938.
Gowns and dresses. Dorsa Dresses, Inc. 357,160; May 24; 401,430; published Mar. 15, 1938.
Hosiery. J. W. Landenberger & Co. 357,202; May 24; Serial No. 401,956; published Mar. 15, 1938.
Hosiery. Hoover Hosiery Company. 357,028; May 24; Serial No. 396,134; published Mar. 15, 1938.
Hosiery. Wilbur-Rogers, Inc. 357,153; May 24; Serial No. 401,358; published Mar. 15, 1938.
Jackets, Sport. H. Harris Company. 357,047; May 24; Serial No. 398,472; published Mar. 15, 1938.
Nightgowns, pajamas, and sleepers. Ideal Ladies Undergarment Company. 357,169; May 24; Serial No. 401,574; published Mar. 15, 1938.
Overalls, work coats, work shirts, etc. Siceloff Manufacturing Company. 357,078; May 24; Serial No. 400,041; published Mar. 8, 1938.
Shirts, Outer. Hallmark Shirt Co. 357,144; May 24; Serial No. 401,260; published Mar. 8, 1938.
Shirts, pajamas, and underwear. Enro Shirt Co. 357,165; May 24; Serial No. 401,524; published Mar. 8, 1938.
Slacks, playsuits, and culottes. U. S. Knitwear Corp. 357,159; May 24; Serial No. 401,837; published Mar. 15, 1938.
Sleeping bags for infants. Kamella, Limited. 357,074; May 24; Serial No. 400,015; published Mar. 8, 1938.
Suits and coats, Ladies'. A. Davis & Sons, Inc. 357,155; May 24; Serial No. 401,373; published Mar. 8, 1938.
Suits, capes, slacks, robes, etc., Bathing. Loomtogs, Inc. 357,058; May 24; Serial No. 399,383; published Mar. 15, 1938.
Suits, coats, skirts, jackets, and dresses. Chas. A. Stevens & Co. 357,015; May 24; Serial No. 391,404; published Mar. 8, 1938.
Suits, coats, vests, etc. Pincus Bros., Inc. 357,211; May 24; Serial No. 402,046; published Mar. 15, 1938.
Sweaters. Glasgo Limited. 357,096; May 24; Serial No. 400,369; published Mar. 8, 1938.
Sweaters. May Knitting Co. 357,206; May 24; Serial No. 402,011; published Mar. 15, 1938.
Sweaters and combination pantie and sweater sets, Children's. Henry Schanzer & Sons, Inc. 357,089; May 24; Serial No. 400,530; published Mar. 15, 1938.
Top coats and overcoats. S. Weits & Company. 357,177; May 24; Serial No. 401,684; published Mar. 8, 1938.
Underwear for women and children. R. B. Love. 357,185; May 24; Serial No. 401,747; published Mar. 15, 1938.

CLASS 42

Carpets and rugs. Magee Carpet Company. 357,219; May 24; Serial No. 402,394; published Mar. 15, 1938.
Cloths and stuffs. British Samek Limited. 357,196; May 24; Serial No. 401,888; published Mar. 15, 1938.
Cotton piece goods. J. C. Penney Company. 357,176; May 24; Serial No. 401,677; published Mar. 15, 1938.
Fabrics, Textile. Pepperell Manufacturing Company. 357,164; May 24; Serial No. 401,506; published Mar. 15, 1938.
Nets, Rayon and cotton. H. Bates Co. 357,006; May 24; Serial No. 387,368; published Apr. 6, 1937.
Piece goods. M. Harris. 357,197; May 24; Serial No. 401,898; published Mar. 15, 1938.
Piece goods of cotton. C. L. Thomas. 357,146; May 24; Serial No. 401,284; published Mar. 15, 1938.
Rugs, Floor. Pande, Cameron & Co. 357,206; May 24; Serial No. 402,016; published Mar. 15, 1938.
Sheets, pillow cases, mattress covers, etc. May Department Stores Company. 357,198; May 24; Serial No. 401,902; published Mar. 15, 1938.
Woolen cloth, and mixed wool and cotton cloth. Levinsohn Bros. & Co. 357,169; May 24; 1938; Serial No. 401,575; published Mar. 15, 1938.

CLASS 43

Thread and yarn. Hooker & Sanders, Incorporated. 357,241; May 24.
Yarns. Eastyarn, Inc. 357,222; May 24.

CLASS 44

Devices for the separation of human toes. H. H. Molitor. 357,035; May 24; Serial No. 396,744; published Mar. 15, 1938.
Prophylactic sheaths, skins and rubber articles. W. H. Reed & Company. 357,208; May 24; Serial No. 402,021; published Mar. 15, 1938.
Tooth brushes, Electrically operated. Motodent Inc. 357,180; May 24; Serial No. 401,715; published Mar. 15, 1938.

CLASS 45

Beverages, Carbonated. Sol Lenzner Corporation. 357,216; May 24; Serial No. 402,301; published Mar. 15, 1938.
Beverages, and syrups, extracts, and flavors used in making the same. Dr. Pepper Bottling Company. 357,236; May 24.
Drinks, Soft. H. R. McLain. 357,026; May 24; Serial No. 396,785; published Mar. 15, 1938.
Juice sold as a beverage, Canned citrus. California Consumers Corporation. 357,064; Serial No. 399,791; published Feb. 15, 1938.
Soda, Lemon. L. Pietig. 357,218; May 24; Serial No. 402,343; published Mar. 15, 1938.
Syrup used in making soft drinks. Cocorum Co. 357,230; May 24.

CLASS 46

Apples, Dried. Rosenberg Bros. & Co. 357,088; May 24; Serial No. 400,529; published Mar. 15, 1938.
Barley packaged for use as a food for infants and invalids. Keen, Robinson & Company Limited. 357,046; May 24; Serial No. 397,936; published Mar. 15, 1938.
Bread, crackers, cookies, etc. Sterling Cake Co. 357,150; May 24; Serial No. 401,321; published Mar. 15, 1938.
Candy. D. R. Dietsch. 357,213; May 24; Serial No. 402,118; published Mar. 15, 1938.
Candy. Jacobs Candy Company. 357,102; May 24; Serial No. 400,767; published Mar. 15, 1938.
Canned and dried fruits. Abinante & Nola Packing Co. 356,995; May 24; Serial No. 367,274; published Mar. 15, 1938.
Canned sauerkraut and canned sauerkraut juice. Frank Pure Food Company. 357,183; May 24; Serial No. 401,732; published Mar. 15, 1938.
Canned spinach. Frank Pure Food Company, The. 357,182; May 24; Serial No. 401,731; published Mar. 15, 1938.
Cocktail of tomato and sauerkraut juice. Frank Pure Food Company. 357,184; May 24; Serial No. 401,734; published Mar. 15, 1938.
Coffee syrup and coffee extract. Coffee Products Corporation. 357,016; May 24; Serial No. 393,414; published Aug. 31, 1937.
Confections, Frozen. Joe Lowe Corporation. 357,000–1; May 24; Serial Nos. 377,927–8; published June 23, 1936.
Confections, Frozen. Joe Lowe Corporation. 357,011; May 24; Serial No. 389,138; published Mar. 15, 1938.
Corn starch. Clinton Company. 357,141; May 24; Serial No. 401,237; published Mar. 15, 1938.
Crawfish bisque, turtle soup, crab meat a la king, etc. A. Brocel. 357,128; May 24; Serial No. 401,095; published Mar. 15, 1938.
Dessert, Gelatin. Palestine House Inc. 357,214; May 24; Serial No. 402,138; published Mar. 15, 1938.
Feed, Poultry. J. M. Hudson. 357,237; May 24.
Flour, bread, crackers, etc., Wheat. Galban Lobo Company Importing and Exporting Association, S. A. 356,998; May 24; Serial No. 373,255; published Feb. 2, 1937.
Flour, egg mash, dairy feed, etc., Wheat. Ada Milling Company. 357,223; May 24.
Flour, Wheat. J. C. Locke. 357,156; May 24; Serial No. 401,394; published Mar. 15, 1938.
Flours, Wheat. Finger Lakes and Hudson Flour Mills, Inc. 357,041; May 24; Serial No. 397,653; published Mar. 15, 1938.



Food, Poultry. General Mills, Inc. 357,134; May 24; Serial No. 401,183; published Mar. 15, 1938.
Fruits, Fresh citrus. Waverly Growers Cooperative. 357,017; May 24; Serial No. 393,626; published Mar. 15, 1938.
Groats packaged for use as a food for infants and invalids. Keen, Robinson & Company Limited. 357,045; May 24; Serial No. 397,935; published Mar. 15, 1938.
Mayonnaise. Bennett Foods Products Co. 357,154; May 24; Serial No. 401,367; published Mar. 15, 1938.
Mince meat. Borden Company. 357,120; May 24; Serial No. 401,014; published Mar. 15, 1938.
Pineapple, Fresh. A. M. Arbona. 357,018; May 24; Serial No. 393,632; published Mar. 15, 1938.
Pineapples, tomatoes, peppers, etc., Fresh. Gargiulo & Amendola, Inc. 357,143; May 24; Serial No. 401,255; published Mar. 15, 1938.
Popcorn. Crookham Company. 357,033; May 24; Serial No. 396,596; published Mar. 15, 1938.
Pop corn, Raw. American Pop Corn Company. 357,181; May 24; Serial No. 401,721; published Mar. 15, 1938.
Vegetable, milk, and fruit product. Vitaminerals, Inc. 357,104; May 24; Serial No. 400,813; published Mar. 15, 1938.
Vegetables, Fresh. San Pedro Vegetable Marketing Co. 357,229; May 24.

CLASS 48

Ale. General Brewing Corporation. 357,221; May 24; Serial No. 402,574; published Mar. 15, 1938.

CLASS 49

Whiskey, gin, rum, etc. Jos. S. Finch & Co. 357,192; May 24; Serial No. 401,854; published Mar. 15, 1938.
Whisky, Scotch. Train & McIntyre, Limited. 357,199; May 24; Serial No. 401,912; published Mar. 15, 1938.

CLASS 50

Closures for containers, Metallic. Crown Cork & Seal Company. 357,130; May 24; Serial No. 401,134; published Mar. 15, 1938.
Fly catcher, Ribbon. Honey-Web Inc. 357,093; May 24; Serial No. 400,644; published Mar. 15, 1938.
Waterproof fabrics. Moisture Proof Fabrics, Inc. 357,157; May 24; Serial No. 401,396; published Mar. 15, 1938.

# LIST OF LABELS

Big Apple. For a Game. Rosebud Art Co. 51,214; May 24.
Boyer's Grapefruit Juice. For Grapefruit Juice. Boyer Products Company. 51,199; May 24.
Burns Specific Remedy. For Medicine for Treating Sleeping Sickness Among Horses. G. H. Burns. 51,200; May 24.
Ciobana Ad-6. For a Supplemental Food Containing Calcium and Phosphorus with Vitamins A and D. Anabolic Food Products, Inc. 51,198; May 24.
Crest Scuff Pads. For Scuff Pads. D. C. Larkin. 51,204; May 24.
Desol. For Motor Oil. Universal Motor Oils Co. Inc. 51,223; May 24.
Garage Egg Carton. For Egg Cartons. L. Schwartzberg. 51,216; May 24.
Hair Kleen. For a Liquid Shampoo. United Distributors, Inc. 51,221; May 24.
Hair Kulor. For a Hair Tonic and Color Restorer. United Distributors, Inc. 51,222; May 24.
Handies 200 Sheets. For Cleansing Tissues. Veldown Company. 51,224; May 24.
Handies 200 Sheets 12 x 15. For Cleansing Tissues. Veldown Company. 51,225; May 24.
Handies 500 Sheets. For Cleansing Tissues. Veldown Company. 51,226; May 24.
Handies 1000 Sheets. For Cleansing Tissues. Veldown Company. 51,227; May 24.
It's Life Bread. For Bread. Junge Baking Company. 51,202; May 24.
Knight Kap. For Preparation to Prevent Headaches and Hangovers. Knight Kap Inc. 51,203; May 24.
Lunds Dextrose Syrup and Grape Juice. For a Compound of Grape Sugar (Dextrose) Syrup and Grape Juice. C. H. Lund. 51,205; May 24.
Maxime—Breath of Flowers. For Perfume. G. L. Max. 51,206; May 24.
Muscle Uplight. For a Facial Cosmetic. R. Thornton. 51,219; May 24.
Mysto Magic. For Magic Exhibition Sets. A. C. Gilbert Company. 51,201; May 24.
Odor Chaser. For a Bowl Deodorant. The Zoro Company. 51,228; May 24.
One-Putt Ant Control. For a Liquid Preparation for Exterminating Ants, and Applicators Therefor. One-Putt Products Company. 51,207; May 24.
Paulson's Evergreen Cabbage. For Cabbages. K. C. Paulson. 51,208; May 24.
Philmont. For Blended Whiskey. S. M. Pressman. 51,210; May 24.
Pitman Vulcalin Roller. For Rollers for Rolling Up and Proofing Photo-Engraving and Lithographic Plates. Harold M. Pitman Company. 51,209; May 24.
Post Time. For Blended Whiskey. S. M. Pressman. 51,211; May 24.
Purex. For a Bleach and Water Softener. Purex Corporation. 51,212; May 24.
Red Falcon. For Ice Cream Cups. Sealright Co. 51,218; May 24.
Sandra. For Beauty Masque. Sandra, Inc. 51,215; May 24.
Streak Norton. For Ice Cream Cups. Sealright Co. 51,217; May 24.
T'n Shun. For Canned Asparagus. Rochelle Asparagus Company. 51,213; May 24.
Treasure Island Coffee. For Coffee. Treasure Island Coffee Corporation. 51,220; May 24.

# LIST OF PRINTS

America's Finest Potatoes. For Potatoes. W. W. Campbell. 16,845; May 24.
Five Star Fountain Service—Borden's Ice Cream. For Ice Cream. Borden Company. 16,844; May 24.
Hershey's First in Favor and Flavor. For Chocolate Bars. Hershey Chocolate Corporation. 16,847; May 24.
It's Not Really Strawberry Shortcake Unless It's the Biscuit Kind. For Biscuit Flour. General Mills, Inc. 16,846; May 24.
One-Putt Ant Control. For a Liquid Preparation for Exterminating Ants and Applicators Therefor. One-Putt Products Company. 16,848; May 24.
Pan-Do-Chin. For a Mechanical Toy. Carl & Stella Voss. 16,852; May 24.
Rush Order. For Cake. Tasty Baking Company. 16,850; May 24.
Ruth Bryan Owen's Pen Has What It Takes. For Fountain Pens, Mechanical Pencils, and Ink. Parker Pen Company. 16,849; May 24.
Speed Nut System. For Locking Plates for Screws and Bolts. A. H. Tinnerman. 16,851; May 24.
Yes—It Really Does Spring Back! For Rugs and Carpets. Bigelow-Sanford Carpet Co. Inc. 16,843; May 24.

# LIST OF REISSUE PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 24TH DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Air Reduction Company. (See Metzger, Floyd J., assignor.)

Barrett, Berton A., Manila, P. I., and G. E. Perreault, Bronxville, N. Y., assignors to Wagner Electric Corporation, St. Louis, Mo. Brake mechanism. Re. 20,733; May 24.

Champlin, Franklin J., Dalton, Mass., assignor to General Electric Company. Electrical regulation. Re. 20,734; May 24.

Daley, Joseph J., assignor, by mesne assignments, to Research Products Corporation, Boston, Mass. Amplification of radiant energy. Re. 20,735; May 24.

Dimick, Daniel B., Newton Center, assignor to Dimick-Mosher Products Company, Boston, Mass. Subdrainage pipe. Re. 20,736; May 24.

Dimick-Mosher Products Company. (See Dimick, Daniel B., assignor.)

General Electric Company. (See Champlin, Franklin J., assignor.)

Kehl, Floyd V., Indianapolis, Ind. Off-center switch hook. Re. 20,737; May 24.

Metzger, Floyd J., assignor to Air Reduction Company, Inc., New York, N. Y. Producing isopropyl. Re 20,738; May 24.

Metzger, Floyd J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Manufacture of ethyl alcohol. Re. 20,739; May 24.

Perreault, George E. (See Barrett, B. A., and Perreault.)

Research Products Corporation. (See Daley, Joseph J., assignor.)

Stewart, Edward E., deceased, Wichita Falls, Tex., by Universal Oil Products Company, assignee, Chicago, Ill. Treating hydrocarbons. Re. 20,740; May 24.

Universal Oil Products Company. (See Stewart, Edward E.)

Wagner Electric Corporation. (See Barrett, B. A., and Perreault, assignors.)

Wilson, Emmett, Los Angeles, Calif. Safety razor. Re. 20,741; May 24.

# LIST OF DESIGN PATENTEES

Adlake Company, The. (See Stewart, Lemuel L., assignor.)

Alcott, John E., Westwood, Mass., assignor to Sheet Polariser Company, Inc., Union City, N. J. Lamp. 109,838; May 24.

American-National Company, The. (See Snell, Samuel A., assignor.)

Anderson, Bert J., Hammond, Ind. Velocipede deck plate. 109,826; May 24.

Bangert, Harry W. (See Jones, Fred D., Jr., assignor.)

Baring, William, Los Angeles, Calif. Grater. 109,794; May 24.

Bensiger Brothers. (See Cole, Chester D., assignor.)

Berry, Helen, New York, N. Y. Dress. 109,839; May 24.

Brannock, Agnes C., Syracuse, N. Y. Spoon. 109,795; May 24.

Bratman, Barnet, and W. Stechel, New York, N. Y. Shirt. 109,828; May 24.

Brenner, Alphonse, Shreveport, La. Ottoman. 109,796; May 24.

Burg, Priscilla and P., Syracuse, N. Y. Paper doll. 109,797; May 24.

Burg, Prudence. (See Burg, Priscilla and P.)

Cavaleri, Rocco, Poughkeepsie, N. Y. Lamp. 109,840; May 24.

Cohen, Arthur, New York, N. Y. Dress ensemble. 109,841; May 24.

Cohen, Irving, New York, N. Y. Coat. 109,798; May 24.

Cole, Chester D., Jamaica Estates, assignor to Bensiger Brothers, New York, N. Y. Religious throne. 109,842; May 24.

Concord Silversmiths Corporation. (See Simms, Charles F., assignor.)

Dewsbury, William O., Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y. Carpet or similar article. 109,827; May 24.

Dick, Samuel H., New York, N. Y. Coat. 109,829; May 24.

Ditto, Incorporated. (See Kropp, Willis A., assignor.)

Eberhard Faber Pencil Co. (See Roth, Henry J., assignor.)

Exact Weight Scale Company, The. (See Flanagan, Thomas B., assignor.)

Feintuck, Rose, New York, N. Y. Dress. 109,859; May 24.

Flanagan, Thomas B., assignor to The Exact Weight Scale Company, Columbus, Ohio. Weighing scale or article of similar nature. 109,799; May 24.

Ford, Doris E., Oakland, Calif. Baby blanket. 109,830; May 24.

Foss, Alfred R., New York, N. Y. Finger ring. 109,800; May 24.

Franklin, Leo, Cedarhurst, assignor to Phoenix Manufacturing Co., Inc., New York, N. Y. Textile fabric or similar article. 109,831; May 24.

Freeman, Russell P., Fargo, N. Dak. Building front. 109,801; May 24.

Fritz, Theresa M., Hoboken, N. J. Dress. 109,832; May 24.

Galper, Samuel, New York, N. Y. Leather or similar article. 109,833; May 24.

Gamble, George, Cambridge, Mass. Cover for a compact box. 109,802; May 24.

Gavin, Arthur E., Huntington Park, Calif. Film rewind. 109,803; May 24.

Geerlings, Gerald K., New Canaan, Conn. Decorative cove strip. 109,843; May 24.

Greenstein, Leo. (See Itskowitz, E. I., and Greenstein.)

Harriss, Claire B., Du Quoin, Ill. Dress. 109,844; May 24.

Hauton, Paul S., Atlanta, Ga. Box for a finger nail pencil or similar article. 109,845; May 24.

Hobe, William W., New York, N. Y. Bracelet or similar article. 109,804; May 24.

Hockenberger, Rudolph P., Toledo, Ohio. Toothbrush steriliser-holder. 109,805; May 24.

Itskowitz, Eugene I., and L. Greenstein, Brooklyn, N. Y. Sweater. 109,834; May 24.

Jacobs, Joseph, Brooklyn, N. Y. Decorative nail. 109,806; May 24.

Jacobs, Joseph, Brooklyn, N. Y. Decorative nail. 109,807; May 24.

Jacobs, Joseph, Brooklyn, N. Y. Decorative nail. 109,808; May 24.

Jacobs, Joseph, Brooklyn, N. Y. Decorative nail. 109,809; May 24.

Jacobs, Joseph, Brooklyn, N. Y. Decorative nail. 109,810; May 24.

Jones, Fred D., Jr., Seattle, Wash., assignor, by mesne assignments, to H. W. Bangert. Combination lamp and clock. 109,811; May 24.

Kalish, Beatrice C., New York, N. Y. Dress. 109,835; May 24.

Kalish, Beatrice C., New York, N. Y. Dress. 109,855; May 24.

Kalish, Beatrice C., New York, N. Y. Dress. 109,856; May 24.

Karagheusian, A. & M., Inc. (See Dewsbury, William O., assignor.)

Klotz, Francois, Asnieres, France, assignor to Pinaud Incorporated, New York, N. Y. Bottle. 109,846; May 24.

Kohn, Rudolf V., Cedarhurst, N. Y. Clock. 109,847; May 24.

Kropp, Willis A., Oak Park, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 108,812; May 24.

Lorenzen, Arnold I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 109,848; May 24.

May, Janet, New York, N. Y. Stocking. 109,836; May 24.

McCarthy, Charles M., Minneapolis, Minn. Combination fur and fabric whipping apparatus. 109,849; May 24.

Melone, Anthony, Cranston, assignor to Paragon Jewelry Company, Providence, R. I. Cigarette case. 109,850; May 24.

Meredith, Byron W., Morrisville, Pa. Plate for molds for hard rubber goods. 109,851; May 24.

Merrill, Marcellus S., Denver, Colo. Lifting jack. 109,852; May 24.

Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Combined washing machine and wringer. 109,813; May 24.

Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Combined chain and skirt guard. 109,814; May 24.
Mueller, Louis A., assignor to The Springfield Leather Products Company, Springfield, Ohio. Billfold. 109,815; May 24.
Owens-Illinois Glass Company. (See Lorenzen, Arnold I., assignor.)
Paragon Jewelry Company. (See Melone, Anthony, assignor.)
Phoenix Manufacturing Co. (See Franklin, Leo, assignor.)
Pinaud Incorporated. (See Klotz, Francois, assignor.)
Rosenberg, Abraham, Norwalk, assignor to Rosenberg Brothers Slipper Company, Inc., South Norwalk, Conn. Slipper. 109,853; May 24.
Rosenberg Brothers Slipper Company. (See Rosenberg, Abraham, assignor.)
Springfield Leather Products Company, The. (See Mueller, Louis A., assignor.)
Roth, Henry J., assignor to Eberhard Faber Pencil Co., Brooklyn, N. Y. Pencil tip. 109,816; May 24.
Roth, Henry J., assignor to Eberhard Faber Pencil Co., Brooklyn, N. Y. Pencil Tip. 109,817; May 24.
Schlessel, Philip, New York, N. Y. Dress ensemble. 109,860; May 24.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Sheet Polarizer Company. (See Alcott, John E., assignor.)
Simms, Charles F., assignor to Concord Silversmiths Corporation, Concord, N. H. Display cabinet. 109,818; May 24.
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Velocipede frame member. 109,819; May 24.
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Scooter footboard. 109,820; May 24.
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Velocipede frame member. 109,821; May 24.
Sobelman, Morris, St. Louis, Mo. Dress. 109,837; May 24.
Specialties, Inc. (See Steward, Paul S., assignor.)
Stechel, William. (See Bratman, B., and Stechel.)
Steward, Paul S., assignor to Specialties, Inc., Chattanooga, Tenn. Coin holder or similar article. 109,822; May 24.
Stewart, Lemuel L., Chicago, Ill., assignor to The Adlake Company. Lighting fixture or similar article. 109,854; May 24.
Tiedemann, Clinton C., South Bend, Ind. Game device. 109,823; May 24.
Tomshinsky, Victor, New York, N. Y. Dress. 109,857; May 24.
Tuman, John, New York, N. Y. Dress ensemble. 109,858; May 24.
Tuman, John, New York, N. Y. Dress ensemble. 109,861; May 24.
Tuman, John, New York, N. Y. Dress. 109,862; May 24.
Tuman, John, New York, N. Y. Dress ensemble. 109,863; May 24.
Vernon, Fred L., Newton, Iowa. Vacuum cleaner casing. 109,824; May 24.
Weisberger, Irving, New York, N. Y. Elastic textile fabric. 109,864; May 24.
Wendt, Charles A., Milwaukee, Wis. Billiard table. 109,825; May 24.

# LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 24TH DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ackley, Ervin L. (See Bath, S. W., and Ackley.)
Actiengesellschaft Joh. Jacob Rieter & Cie. (See Hess, Heinrich O., assignor.)
Adamson, Seth, Larchmont, assignor to United States Rubber Products, Inc., New York, N. Y. Sweat band for hats. 2,118,583; May 24.
Adlake Company, The. (See Putt, Harlie O., assignor.)
Advance Engineering Company. (See Nordell, Carl H., assignor.)
Ahlquist, Arthur A., Norwood, R. I., assignor to Uncas Manufacturing Company. Finger ring. 2,118,335; May 24.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor control device. 2,118,130; May 24.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Slack adjuster. 2,118,389; May 24.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,118,390; May 24.
Aime, Frank L., assignor to Anaconda Wire & Cable Company, New York, N. Y. Fluid impregnated electric cable. 2,118,584; May 24.
Ainsley, Frederick J. (See Davis, N. E., and Ainsley.)
Air Reduction Company. (See Walker, George L., assignor.)
Aitken, Alex, assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Vacuum cleaner construction. 2,118,721; May 24.
Alber, Carl, Nebraska City, Nebr. Scaffold board and ladder. 2,118,585; May 24.
Alexander, Donald F., and G. C. Pearce, assignors to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,118,636; May 24.
Alexander, Harold M., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Display apparatus. 2,118,131; May 24.
Alexander, Irving, et al. (See Bailey, John J., assignor.)
Alexander, William. (See Reynolds, H. E., and Alexander.)
Allain, Maximiliano C., and C. W. Tracy, Brooklyn, N. Y. Food compound. 2,118,391; May 24.
Allan, William, Jr. (See Phillips, A. H., and Allan.)
Allison, Charles F., Corpus Christi, Tex. Collapsible blind or shade. 2,118,134; May 24.
Allmänna Svenska Elektriska Aktiebolaget. (See Lamm, Uno, assignor.)
Aluminum Company of America. (See Newsome, James W., assignor.)
Alward, John E., and J. H. Moore, Detroit, Mich. Routering machine. 2,118,063; May 24.
Amell, John C. (See Hanson, E. T., and Amell.)
American Brake Company, The. (See Schwentler, Francis E., assignor.)
American Cyanamid & Chemical Corporation. (See Jaeger, Alphons O., assignor.)
American Fibre Corporation. (See Nordstrom, Gustaf E., assignor.)
American Houses, Inc. (See McLaughlin, Robert W., Jr., assignor.)
American Machine & Foundry Company. (See Brown, Frederick R., assignor.)
American Machine & Foundry Company. (See Ferenci, Lester, assignor.)
American Machine & Foundry Company. (See Gwinn, G. W., and Leary, assignors.)
American Machine & Foundry Company. (See Jensen, Thormod, assignor.)
American Machine & Foundry Company. (See Van Veen, Anton, assignor.)
American Rolling Mill Company, The. (See Hudson, Edwin B., assignor.)
American Rolling Mill Company, The. (See Stringham, William, assignor.)
American Sales Book Company. (See Phillips, A. H., and Allan, assignors.)
American Seal-Kap Corporation of Delaware. (See Clark, Kempton, assignor.)
American Seal-Kap Corporation of Delaware. (See Goodwin, Carl W., assignor.)
American Steel and Wire Company of New Jersey, The. (See Carlson, Clarence O., assignor.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
American Telephone and Telegraph Company. (See Monk, Newton, and Tidd, assignors.)
American Transformer Company. (See Gaston, John R., assignor.)
American Zinc, Lead & Smelting Company. (See MacIntire, Walter H., assignor.)
Ames, Adelbert, Jr., G. H. Gliddon, and K. N. Ogle, assignors to trustees of Dartmouth College, Hanover, N. H. Correcting ocular defects. 2,118,132; May 24.
Anaconda Wire & Cable Company. (See Aime, Frank L., assignor.)
Andersen, Carl N., Watertown, Mass., assignor to Lever Brothers Company. Organic mercury compounds. 2,118,133; May 24.
Andersen, Carl N., Wellesley Hills, Mass., assignor to Lever Brothers Company. Aryl mercury salts of aliphatic polycarboxylic acids. 2,118,033; May 24.
Anderson, Carl R., assignor to The Griswold Manufacturing Company, Erie, Pa. Damper. 2,118,752; May 24.
Anderson Box Company. (See Mohler, Ernest E., assignor.)
Appel, Maxwell H., Philadelphia, Pa. Hat block clamp. 2,118,392; May 24.
Appleton Toy & Furniture Company. (See Heinritz, Ted E., assignor.)
Ardecor (Products) Limited. (See Wraal, Sverre F., assignor.)
Arena, Hector J. (See Glaimo, Basilio, assignor.)
Arness, William B., assignor to Rustless Iron and Steel Corporation, Baltimore, Md. Rolling stainless steel and product thereof. 2,118,693; May 24.
Arnold, Arthur A. (See Sarfert, H., and Arnold.)
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Flame-producing mechanism. 2,118,692; May 24.
Arrow Manufacturing Company. (See Guttman, John, assignor.)
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Asanger, Jacob, Hollywood, Calif. Billboard. 2,118,543; May 24.
Asbury, Stanley, St. Paul, Minn. Tractor draw and hitch. 2,118,544; May 24.
Ash, Charles S., Milford, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel construction. 2,118,694; May 24.
Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Evaporator for refrigerating machines. 2,118,637; May 24.
Athy, Lawrence F. (See McCollum, E. V., and Athy.)
Atlee, Zed J. (See Gross, M. J., and Atlee.)
Atwell, Harold V., White Plains, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Treatment of hydrocarbons. 2,118,288; May 24.
Atwood Machine Company, The. (See Gordon, William R., assignor.)
Automatic Instrument Company. (See Yeider, Harry A., assignor.)
Automatic Motor Stop and Start, Inc. (See Good, John, assignor.)
Automotive Maintenance Machinery Co. (See Zimmerman, Herman W., assignor.)
Automotive Products Company Limited. (See Trapp, George J., assignor.)
B-Roberts, Alfred H., Los Angeles, Calif. Dry vapor generator. 2,118,327; May 24.
Babcock & Wilcox Tube Company, The, et al. (See Newell, H. D., and Fleischmann, assignors.)
Baechle, Claire M., assignor to The Glenn L. Martin Company, Baltimore, Md. Combined enclosure and detachable member. 2,118,064; May 24.
Bahnson Company, The. (See Bahnson, Frederic F., assignor.)
Bahnson, Frederic F., assignor to The Bahnson Company, Winston-Salem, N. C. Humidifier. 2,118,695; May 24.
Bailey, John J., assignor of one-fourth to I. Alexander, Trenton, N. J., one-fourth to A. A. Colacello, Wichita, Kans., and one-fourth to J. E. Holt, Trenton, N. J. Liquid dispensing device. 2,118,784; May 24.
Bakke, Hans A., Swampscott, Mass. assignor to General Electric Company. Sealing device for meters. 2,118,638; May 24.
Baldwin, Minot J., Akron, Ohio. Display structure. 2,118,135; May 24.
Ball, Robert P., Chattanooga, Tenn. Calculator. 2,118,773; May 24.
Bally Manufacturing Company. (See Chappell, Edward M., assignor.)
Baltimore Paper Company. (See Berkowitz, Eugene B., assignor.)
Barber, Charles E., assignor to Chicago Musical Instrument Company, Chicago, Ill. Piano accordion. 2,118,545; May 24.

Bardsley, Willard W., Providence, assignor to Wardwell Braiding Machine Company, Central Falls, R. I. Serving apparatus. 2,118,136; May 24.

Barish, Thomas, assignor to Marlin-Rockwell Corporation, Jamestown, N. Y. Seal for bearing mechanisms. 2,118,027; May 24.

Barney, Fred H. (See Gourley, W. J., and Barney.)

Bartlett, William J., South Euclid, assignor to The Electric Heat Control Company, Cleveland, Ohio. Testing apparatus. 2,118,137; May 24.

Bary, Victor A., London, England. Lubricated axle bearing. 2,118,138; May 24.

Basalt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,118,753; May 24.

Bates, Edmond E., Winchester, Mass. Gas meter. 2,118,065; May 24.

Bath, John, & Company. (See Bath, S. W., and Ackley, assignors.)

Bath, Stanley W., Shrewsbury, and E. L. Ackley, assignors to John Bath & Company, Worcester, Mass. Machine for grinding flutes. 2,118,139; May 24.

Baumann, Erich, Dessau-Ziebigk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyes and manufacturing the same. 2,118,661; May 24.

Baumann, Henry N., Jr. (See Benner, R. C., and Baumann.)

Baumann, Walter, Leuna, and J. Hirschbeck, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of ethyl chloride. 2,118,662; May 24.

Bayardi, Armand, New York, N. Y. Combination clip and brooch. 2,118,639; May 24.

Bean, Frederic R., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing hydroxyhydroquinone. 2,118,141; May 24.

Beattie, Robert W., Bloomfield, N. J., assignor to Halowax Corporation, New York, N. Y. Extraction of sulphur. 2,118,140; May 24.

Beaver, Charles J., and E. L. Davey, Cheshire, assignors to W. T. Glover and Company Limited, Trafford Park, Manchester, England. Joints for electric cables. 2,118,546; May 24.

Beers, Roy R., assignor of one-half to W. J. Thalheimer, Phoenix, Ariz. Wire tightener and twister. 2,118,034; May 24.

Belash, Constantine A., assignor to Fellowcrafters Incorporated, Boston, Mass. Hand weaving frame. 2,118,142; May 24.

Bell Telephone Laboratories, Incorporated. (See Burton, Everett T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Chaffee, Joseph G., assignor.)

Bell Telephone Laboratories, Incorporated. (See Doba, Stephen, Jr., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ellis, W. C., and Greiner, assignors.)

Bell Telephone Laboratories, Incorporated. (See Jutson, Robert P., assignor.)

Bell Telephone Laboratories, Incorporated. (See Keckler, C. W., and Osten-Sacken, assignors.)

Bell Telephone Laboratories, Incorporated. (See Magrath, Arthur C., assignor.)

Bendix Aviation Corporation. (See Chappell, R. R., and Colt, assignors.)

Bendix Aviation Corporation. (See Price, Harold W. and E. R., assignors.)

Bendix Aviation Corporation. (See Watts, William S., assignor.)

Bendix Home Appliances, Inc. (See Scott, Ray W., assignor.)

Bendix Products Corporation. (See Gallup, David L., assignor.)

Bendix Products Corporation. (See Linthwaite, Owen C., assignor.)

Bendix Products Corporation. (See Mock, Frank C., assignor.)

Bendix Products Corporation. (See Press, Carl, assignor.)

Bendix Products Corporation. (See Wells, Franklin H., assignor.)

Benner, Raymond C., and H. N. Baumann, Jr., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Refractory material. 2,118,143; May 24.

Bennion, Leslie H., and W. A. Smart, Leicester, England. Counter molding machine. 2,118,393; May 24.

Bergan, Bernhard, Minneapolis, Minn. Child's vehicle. 2,118,640; May 24.

Berger Brothers Company, The. (See Loeffel, Lester H., and Versoy, assignors.)

Berger Brothers Company, The. (See McCue, Gerald, assignor.)

Bergert, Henry A., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing puller. 2,118,754; May 24.

Bergert, Henry A., assignor to The Timken Roller Bearing Company, Canton, Ohio. Process and apparatus for mounting crankpins and the like. 2,118,755; May 24.

Bergert, Henry A., assignor to The Timken Roller Bearing Company, Canton, Ohio. Apparatus for use in effecting adjustments of roller bearing parts. 2,118,756; May 24.

Bergmann, Carl A., assignor to W. D. Mann, Milwaukee, Wis. Gas compressor. 2,118,371; May 24.

Bergstrom, Carl O., Boston, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Electric motor. 2,118,757; May 24.

Berkowitz, Eugene B., assignor to Baltimore Paper Company, Kansas City, Mo. Gumming apparatus for envelope making machines. 2,118,035; May 24.

Berman, Phoebus, and A. L. Chaney, Los Angeles, Calif. Sterilising indicator and ink. 2,118,144; May 24.

Betts, Clifford A., Chevy Chase, Md. Hinged automatic flashboard gate. 2,118,535; May 24.

Beyer, William K., assignor to G. S. McGill, Chicago, Ill. Combination heating and light radiating device. 2,118,145; May 24.

Bibicos, Theodore, Cleveland, Ohio. Coin detecting device for slot machines. 2,118,425; May 24.

Biggert, Florence C., Jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Universal coupling. 2,118,028; May 24.

Birdseye, Clarence and H. D. Wilson, Gloucester, and W. N. Heath, Rockport, Mass., assignors to Birdseye Electric Corporation, Dover, Del. Adjustable extension socket. 2,118,785; May 24.

Birdseye Electric Corporation. (See Birdseye, C., Wilson, and Heath, assignors.)

Birkenbeuel, Edward B., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Coupling for coal worm sections. 2,118,289; May 24.

Birr, Rudolph G., Lombard, and A. C. Grunwald, River Forest, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah. Paper towel dispensing apparatus. 2,118,330; May 24.

Black, Jay T., assignor to Zenith Carburetor Company, Detroit, Mich. Pressure reducing device. 2,118,290; May 24.

Blackmore, William, Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box. 2,118,146; May 24.

Blanchard, Benjamin F., Linden, Ohio. Cuspidor holder for motor vehicles. 2,118,337; May 24.

Blodgett, Leonard R. (See Blodgett, William S. and L. R.)

Blodgett, William S. and L. R., Portland, Oreg. Folding barb fish gaff. 2,118,147; May 24.

Bloom, Israel, New York, N. Y. Compact. 2,118,066; May 24.

Blue Ridge Glass Corporation. (See Ingouf, Robert J. A., assignor.)

Bock, John, Salem, Mo. Vehicle operated gate and latch. 2,118,722; May 24.

Boggs, Robert L., Norfolk, Va. Clamping band. 2,118,723; May 24.

Bolhuis, Frank, Holland, Mich. House model. 2,118,338; May 24.

Bollman, Roland R., assignor to The Commonwealth Manufacturing Company, Cincinnati, Ohio. Arc welding unit. 2,118,291; May 24.

Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway bootleg. 2,118,148; May 24.

Bonetti, Dante, Highwood, Ill. Changeable letter sign. 2,118,696; May 24.

Bonnett, Howard T. (See Major, R. T., and Bonnett.)

Bonney-Floyd Company, The. (See Edmunds, Glenn E., assignor.)

Booth, John H., Four Oaks, Sutton Coldfield, assignor of one-third to A. S. Cheston and one-third to H. L. Sleigh, Birmingham, England. Hinge. 2,118,149; May 24.

Booth, Morris F., Salem, Ohio. Differential pressure control. 2,118,292; May 24.

Booty, Philip C. P. and R. G., Chicago, Ill. Removing surplus resins from articles after impregnation. 2,118,036; May 24.

Booty, Raymond G. (See Booty, Philip C. P. and R. G.)

Borg-Warner Corporation. (See Orr, Palmer, assignor.)

Bouwers, Albert, assignor, by mesne assignments, to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. X-ray apparatus. 2,118,457; May 24.

Bowles, John A. C., Boston, and R. L. McFarlan, Marblehead, assignors to United Drug Company, Boston, Mass. Thermophoric composition. 2,118,586; May 24.

Boyd, James T., Bogalusa, La.; N. L. Boyd, owner by decrees of court and by assignment. Pressure controlled apparatus. 2,118,029; May 24.

Boyd, Nellie L. (See Boyd, James T., assignor.)

Boyle, John, Jr., et al. (See Orrison, Kelvin T., assignor.)

Boyles, Frank M. (See Fronmuller, D., and Boyles.)

Bradshaw, Russell R., assignor to The Dow Chemical Company, Midland, Mich. Purification of cellulose ethers. 2,118,663; May 24.

Bradshaw, Russell R., assignor to The Dow Chemical Company, Midland, Mich. Cellulose ether purification. 2,118,664; May 24.

Bradshaw, William M., Summit, N. J., and E. G. Johansson, Watertown, Mass., assignors of one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., and one-half to The Palmer Electric & Manufacturing Company, Waltham, Mass. Watthour meter. 2,118,587; May 24.

Branch, Leslie W., Hilo, Hawaii. Two-way telephone repeater. 2,118,697; May 24.

Brennan, Joseph B., assignor to The Magnavox Company, Fort Wayne, Ind. Temperature control for internal combustion engines. 2,118,484; May 24.





Brent, Judie, St. Louis, Mo. Window construction. 2,118,339; May 24.

Bridgeport Brass Company. (See Webster, William R., assignor.)

Bridgeport Bronze Company, The. (See Marsilius, Newman M., assignor.)

Bridgeport Metal Goods Manufacturing Company, The. (See Fullmer, Giles C., assignor.)

Bridgeport Thermostat Company. (See Macdonald, William F., assignor.)

Brinker, Frederic A., Denver, Colo. Thiocarbanilid derivative. 2,118,293; May 24.

Brinkley, William W., assignor of twenty-four per cent to E. L. Trinkle, Jr., and ten per cent to C. M. Trinkle, Jr., Roanoke, Va. Draft rigging. 2,118,150; May 24.

Brittain, Monroe, Chickasha, Okla. Oil burner. 2,118,698; May 24.

Broad, William L. (See Lowry, Edward N., assignor.)

Brockway, Scott A., Lincoln, Nebr. Arm grip table. 2,118,151; May 24.

Brodersen, Thorwald, Park Ridge, and W. C. Dunn, Chicago, Ill. Carburetor. 2,118,038; May 24.

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Yielding reed. 2,118,426; May 24.

Brown, Charles A., Beaverton, Mich. Water shut-off for oil wells. 2,118,067; May 24.

Brown, Frederick R., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Adjustable depth chuck. 2,118,485; May 24.

Brown, Ray, Pittsburgh, Pa. Securing means. 2,118,372; May 24.

Browning, J. M. & M. S., Company. (See Browning, Marriner A., assignor.)

Browning, Marriner A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Firearm. 2,118,536; May 24.

Bryce, William H., Memphis, Tenn., assignor to Dixie Wax Paper Company, Dallas, Tex. Manufacturing moisture and moisture vaporproof papers. 2,118,152; May 24.

Buchman, Irving, Seagate, N. Y. Pillow and cushion. 2,118,486; May 24.

Buchwalder, Henri, assignor of one-half to Lirsa Societe Anonyme, Geneva, Switzerland. Internal combustion engine with auxiliary piston. 2,118,153; May 24.

Buckley, James F., Levenshulme, Manchester, England. Supporting spring floors. 2,118,068; May 24.

Buedingen, William L. Irondequoit, N. Y. Dispensing device. 2,118,154; May 24.

Bullis, Frederick, Chicago, Ill. Steering column lock. 2,118,394; May 24.

Bundy Incubator Company, The. (See King, Dale F., assignor.)

Burch, Elwood S., and F. J. Freeland, assignors to Round Oak Company, Dowagiac, Mich. Gas range. 2,118,155; May 24.

Burgess, Edward W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Parting strip for concrete roadways and pavements. 2,118,340; May 24.

Burndy Engineering Co. (See Dibner, Bern, assignor.)

Burns, Walter, et al. (See Eastin, Rollie R., assignor.)

Burns, William, et al. (See Eastin, Rollie R., assignor.)

Burroughs Adding Machine Company. (See Butler, Thomas M., assignor.)

Burrows, Lawton A., Wenonah, and W. F. Filbert, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing polyvinyl nitrate. 2,118,487; May 24.

Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse operated system employing glow discharge tubes. 2,118,156; May 24.

Bush, Rankin J., Jeanette, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake switch device. 2,118,427; May 24.

Butler Paper Products Company. (See Butler, Silas E., assignor.)

Butler, Silas E., assignor to Butler Paper Products Company, Toledo, Ohio. Carton. 2,118,488; May 24.

Butler, Thomas M., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,118,588; May 24.

Cadwell, Sidney M., Grosse Pointe Village, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Pneumatic tire. 2,118,774; May 24.

Camp, Thomas R., Newton, Mass., assignor to The Jeffrey Manufacturing Company. Apparatus for purifying liquids. 2,118,157; May 24.

Carborundum Company, The. (See Benner, R. C., and Baumann, assignors.)

Cardinal, Oliver V., Detroit, Mich., assignor to The Worth Company. Car loading device. 2,118,030; May 24.

Carlisle, Charles C., Nowata, Okla. Deep well fluid motor. 2,118,547; May 24.

Carlson, Clarence O., East Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Fastener. 2,118,158; May 24.

Carlson, Edward E. (See Smith, M. B., and Carlson.)

Carlson, Gustave A., Detroit, Mich. Polishing and buffing machine. 2,118,548; May 24.

Carpenter, Albert G., Jr., Yonkers, N. Y. Pump. 2,118,589; May 24.

Carter, Lionel A., Webster Groves, Mo. Lathe. 2,118,489; May 24.

Cash, A. W., Company. (See Temple, Paul C., assignor.)

Castator, Jesse C., et al. (See Eastin, Rollie R., assignor.)

Castator, Loretta, et al. (See Eastin, Rollie R., assignor.)

Castner, William H., Spokane, Wash. Combination can punch and cap lifter. 2,118,159; May 24.

Cavins, Paul, Long Beach, Calif. Bailer. 2,118,458; May 24.

Cawley, Aloysius J., Pittston, Pa. Television process and apparatus. 2,118,160; May 24.

Certain-teed Products Corporation. (See Knapp, George, assignor.)

Chaffee, Joseph G., Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Receiving system for frequency modulated waves. 2,118,161; May 24.

Challacombe, Robert H. D., Long Beach, Calif. Rotary boring apparatus. 2,118,490; May 24.

Chamberlin, Robert R., Washington, D. C. Electrical discharge apparatus. 2,118,162; May 24.

Chaney, Albert L. (See Berman, P., and Chaney.)

Chapoton, Hamilton J., Utica, Mich. Hinge. 2,118,163; May 24.

Chappell, Edward M., assignor to Bally Manufacturing Company, Chicago, Ill. Vibrator and holder therefor. 2,118,699; May 24.

Chappell, Ralph R., Richmond, Va., and R. B. Colt, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind. Float type rain gauge. 2,118,459; May 24.

Chestnutt, John E., Fayetteville, N. C. Clothes drier. 2,118,786; May 24.

Cheston, Arthur S., et al. (See Booth, John H., assignor.)

Chicago Embroidery Company. (See De Cardy, Otto, assignor.)

Chicago Musical Instrument Company. (See Barber, Charles E., assignor.)

Chicago Telephone Supply Co. (See Schellenger, Newton C., assignor.)

Chilton Pen Company, The. (See Sypher, Milford G., assignor.)

Chilton, Roland. Ridgewood, N. J. Regenerative transmission system. 2,118,590; May 24.

Chittenden, Fayette D., and H. Manchester, Providence, R. I., assignors to United States Rubber Products, Inc., New York, N. Y. Racket string. 2,118,164; May 24.

Chrisman, Albert M., Avenal, assignor to Standard Oil Company of California, San Francisco, Calif. Well tubing port control. 2,118,428; May 24.

Christo, Gligor, Rochester, N. Y. Beverage cooling and dispensing bar. 2,118,724; May 24.

Christopher, Edward T., and H. E. Murray, Denver, Colo., assignors to The Lifeguard Co., Inc. Self-inflating life preserver. 2,118,165; May 24.

Chrysler Corporation. (See Wyeth, Nathaniel, assignor.)

Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electrical unit and fastener member for the same. 2,118,665; May 24.

Chuse, Harry A., Madison, Wis. Paper making method and machine. 2,118,491; May 24.

Ciba Products Corporation. (See Sutter, Theodor, assignor.)

Cincinnati Grinders Incorporated. (See Vancil, Edgar D., assignor.)

Clark Controller Company, The. (See Mellon, James J., assignor.)

Clark Controller Company, The. (See Rippl, Charles H., assignor.)

Clark, Kempton, Little Compton, R. I., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del. Paper container and cover therefor. 2,118,591; May 24.

Clark, Kendall, South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill. Operating mechanism. 2,118,492; May 24.

Clark, Wesley C., Minneapolis, Minn. Shooting streamers. 2,118,166; May 24.

Clayton, Edwin C., and L. L. Heffner, assignors to Wm. E. Hooper & Sons Company, Baltimore, Md. Painting and similar composition. 2,118,787; May 24.

Cleveland Pneumatic Tool Company, The. (See Wallace, John F., assignor.)

Cochrane, John D., Jr., assignor to The Formica Insulation Company, Cincinnati, Ohio. Laminated product and manufacture. 2,118,549; May 24.

Coffee Products Corporation. (See Fronmuller, D., and Boyles, assignors.)

Coffey, Samuel, and N. H. Haddock, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of aniline derivatives. 2,118,493; May 24.

Coffey, Samuel, and N. H. Haddock, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Mononitroalkylanilines, mononitroalkylacylanilides and derivatives thereof and their manufacture. 2,118,494; May 24.

Coffey, Samuel, and N. H. Haddock, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Alkylanilinemonosulphonic acids and their manufacture. 2,118,495; May 24.

Colacello, Alfred A., et al. (See Bailey, John J., assignor.)
Colell, Richard, La Bergerie, Liancourt, France. Combustion chamber for internal combustion engines with ignition by compression. 2,118,341; May 24.
Collins, Howard W. (See Slayter, G., and Collins.)
Colt, Rutger B. (See Chappell, R. R., and Colt.)
Commercial Cable Company, The. (See Connery, Alder F., assignor.)
Commonwealth Manufacturing Company, The. (See Bollman, Roland R., assignor.)
Compagnie Generale d'Electricite. (See Domenach, Louis, assignor.)
Congoleum-Nairn Inc. (See Farr, Walter G., assignor.)
Connery, Alder F., Brooklyn, assignor to The Commercial Cable Company, New York, N. Y. Telegraph signal regenerating apparatus. 2,118,069; May 24.
Connor, John H., Newton, assignor to The Tanning Process Company, Boston, Mass. Slicker tool. 2,118,070; May 24.
Connor, Kirke W., Detroit, Mich., assignor to Micromatic Hone Corporation. Separator. 2,118,167; May 24.
Continental Oil Company. (See McCollum, Elton V., assignor.)
Continental Oil Company. (See McCollum, E. V., and Athy, assignors.)
Cook Laboratories, Inc. (See Montuori, Felix C., assignor.)
Coolerator Company, The. (See Frykdahl, Carl E. H., assignor.)
Corley, Andrew J., assignor to Corley Manufacturing Company, Chattanooga, Tenn. Feeding mechanism for sawmills. 2,118,496; May 24.
Corley Manufacturing Company. (See Corley, Andrew J., assignor.)
Corning Glass Works. (See Lebby, States L., assignor.)
Corning Glass Works. (See Littleton, Jesse T., assignor.)
Couch, Glenn F., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,118,537; May 24.
Cox, Daniel W. (See Cox, James H., assignor.)
Cox, James H., assignor of one-half to D. W. Cox, Los Angeles, Calif. Fluid dispensing apparatus. 2,118,294; May 24.
Craig, Warren C., Little Rock, Ark. Collapsible tube holder. 2,118,725; May 24.
Cramer, Frank N. (See Haberstump, A. H., and Cramer.)
Cramer, Robert E., Pittsburgh, Pa. Treating rods and wire. 2,118,168; May 24.
Crapo, Frederick M., assignor to Indiana Steel & Wire Company, Muncie, Ind. Making zinc-coated ferrous wire. 2,118,758; May 24.
Crawford, Matthew O., Detroit, and M. B. Heftler, Grosse Pointe Park, assignors to Zenith Carburetor Company, Detroit, Mich. Pressure reducing device. 2,118,295; May 24.
Creveling, John L., Tuscon, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 2,118,373; May 24.
Crickmer, Charles S., assignor to The Guiberson Corporation, Dallas, Tex. Tubing catcher. 2,118,497; May 24.
Crosley Radio Corporation, The. (See Money, Roland H., assignor.)
Crosman, Loring P., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Listing adding machine. 2,118,700; May 24.
Crouse, Eugene D., Washington, D. C. Diaper pad. 2,118,169; May 24.
Crowder, William A., assignor to Pyrene Manufacturing Company, Newark, N. J. Electrolytically depositing iron. 2,118,395; May 24.
Crowley, Joseph P., and C. B. Schafer, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting machine. 2,118,170; May 24.
Currie, Spencer J., Harnett County, N. C. Germicide. 2,118,460; May 24.
Darst, George W., San Jose, Calif. Well screen. 2,118,171; May 24.
Dartmouth College, Trustees of. (See Ames, A., Jr., Gliddon, and Ogle, assignors.)
Dartmouth College, Trustees of. (See Dittmer, Arthur F., assignor.)
D'Aubarede, Paul C. A. M., Saint-Genis-Laval, France. Mounting of radial cylinder engines. 2,118,550; May 24.
Davey, Edward L. (See Beaver, C. J., and Davey.)
Davis, Henry S., West Haven, Conn. Signaling system for automobiles and other vehicles. 2,118,775; May 24.
Davis, Mortimer L., New York, N. Y. Combination brassière and girdle. 2,118,592; May 24.
Davis, Norman E., Chelmsford, and F. J. Ainsley, Chislehurst, England, assignors to Radio Corporation of America. Construction of aerial systems for use on short waves. 2,118,396; May 24.
Dean, Charles A., Compton, Calif. Core bit. 2,118,397; May 24.
De Cardy, Otto, assignor to Chicago Embroidery Company, Chicago, Ill. Hand embroidery machine for seamless hose. 2,118,788; May 24.
Decuypere, Charles, Rekkem, and M. Dujardin, Lauwe, Belgium. Process and machine for scutching flax and the like. 2,118,071; May 24.
De Golyer, Anthony G., New York, N. Y., assignor to Vulcan Alloy Corporation. Weld rod. 2,118,296; May 24.
De Marco, Charles, Rochester, N. Y. Apparatus for pressing the collars and lapels of coats. 2,118,031; May 24.
Dempsey, Thomas A., Scranton, Pa. Shirt rack. 2,118,461; May 24.
Detachable Bit Company. (See Rea, Walter C., assignor.)
Detroit Edison Company, The. (See Matthews, George A., assignor.)
Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)
Detroit Show Case Company. (See Malott, Herbert, assignor.)
Deutsche Edelstahlwerke Aktiengesellschaft. (See Zumbusch, Wilhelm, assignor.)
Dentschmann, Walter, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Berlin, Germany. Potentiometer. 2,118,072; May 24.
Diamond, Grant S., Hamburg, assignor to Electro Refractories & Alloys Corporation, Buffalo, N. Y. Kiln furniture. 2,118,641; May 24.
Dibner, Bern, Peekskill, N. Y., assignor to Burndy Engineering Co., Inc. Cable connecter. 2,118,666; May 24.
Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Heating system and control means therefor. 2,118,759; May 24.
Dillon, Thomas F., Phoenix, Ariz. Hanger for trousers and the like. 2,118,342; May 24.
Ditcham, William T., Chelmsford, England, assignor to Radio Corporation of America. Modulated carrier wave transmitter. 2,118,172; May 24.
Dittmer, Arthur F., assignor to trustees of Dartmouth College, Hanover, N. H. Isotonic spectacles and their manufacture. 2,118,173; May 24.
Dittmeyer, Herbert W., Cranston, R. I., assignor to United Wire and Supply Corporation. Seal for tubes. 2,118,073; May 24.
Dixie Wax Paper Company. (See Bryce, William H., assignor.)
Doane, Foster B., assignor to Magnaflux Corporation, Pittsburgh, Pa. Demagnetizing. 2,118,174; May 24.
Doba, Stephen, Jr., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control circuits. 2,118,175; May 24.
Dobbie McInnes Limited. (See Reynolds, H. E., and Alexander, assignors.)
Doble, Ralph N., Hingham, Mass. Tea bag, coffee bag, and the like, and making the same. 2,118,551; May 24.
Dodds, Nugent, Washington, D. C. Line justifier for typewriter. 2,118,343; May 24.
Dodelin, Fred A., Glen Ridge, assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 2,118,593; May 24.
Domenach, Louis, Lyon, assignor to Compagnie Generale D'Electricite, Paris, France. Dielectric. 2,118,667; May 24.
Doonan, Walter H., Great Bend, Kans. Basin lister damming machine. 2,118,462; May 24.
Bouden, William L., Brooklyn, N. Y., assignor to Radio Corporation of America. Permanent wave machine. 2,118,594; May 24.
Douglas, John A., assignor to Trenton Spring Products Company, Trenton, N. J. Flexible mattress spring structure. 2,118,297; May 24.
Dow Chemical Company, The. (See Bradshaw, Russell R., assignor.)
Dow Chemical Company, The. (See Grebe, John J., assignor.)
Doyle, Conrad W., Warrendale, Oreg. Concrete form. 2,118,374; May 24.
Draper Corporation. (See Brown, Carl D., assignor.)
Drew, Frank E. (See McKinney, Charles H., assignor.)
Drew, John E., Jersey City, N. J., assignor to Durham Duplex Razor Company. Safety razor. 2,118,498; May 24.
Dreyfus, Henry, London, England. Manufacture of cellulose. 2,118,039; May 24.
Dreyfus, Henry, London, England. Manufacture of cellulose. 2,118,074; May 24.
Dry Fruit Products Company. (See Percy, Earl N., assignor.)
Dual Parking Meter Company. (See Magee, Carl C., assignor.)
Dujardin, Maurice. (See Decuypere, C., and Dujardin.)
Dungler, Julien, Thann, France. Selvedge guide apparatus for fabrics. 2,118,375; May 24.
Dunlap, William J., Long Beach, Calif. Wall washer. 2,118,176; May 24.
Dunn, William C. (See Brodersen, T., and Dunn.)
Du Pont, E. I., de Nemours & Company. (See Burrows, L. A., and Filbert, assignors.)
Du Pont, E. I., de Nemours & Company. (See Filbert, W. F., and Lawson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Graves, George D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hucks, Robert T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Nollan, E. H., and Rankin, assignors.)
Du Pont, E. I., de Nemours & Company. (See Pickens, John D., assignor.)





Du Pont, E. I., de Nemours & Company. (See Pitman, Earle C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Woodbury, Clifford A., assignor.)
Durbin, Malcolm C., Jamaica, N. Y. Forming shapes from sheet metal. 2,118,499; May 24.
Durham Duplex Razor Company. (See Drew, John E., assignor.)
Durham, Hobart N., Munsey Park, N. Y., and G. B. Finnegan, Jr., Mountain Lakes, N. J., assignors to Eugene, Ltd., New York, N. Y. Permanent waving device. 2,118,177; May 24.
Durkee, James D., Bartlesville, Okla., and E. H. Yonkers, Chicago, Ill., assignors to Phillips Petroleum Company, Bartlesville, Okla. Modulation system. 2,118,040; May 24.
Dutch, Emery, Bronx, N. Y. Extending pipe lines under pressure. 2,118,376; May 24.
Dutters, William S., Lynbrook, N. Y., assignor to Radio Corporation of America. Antenna. 2,118,429; May 24.
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Eastin, Rollie R., assignor of five per cent to J. C. and L. Castator, ten per cent to W. Burns, ten per cent to R. A. Gray, Jr., ten per cent to W. Burns, and fourteen per cent to R. Smith, Port Huron, Mich. Transmission mechanism. 2,118,178; May 24.
Eastman Kodak Company. (See Bean, Frederic R., assignor.)
Eastman Kodak Company. (See McGrady, L. L., and Rittenbouse, assignors.)
Eastman Kodak Company. (See Slack, A. D., and Young, assignors.)
Eastman Kodak Company. (See Talbot, Ralph H., assignor.)
Eastwick, Edward P., Jr., Greenwich, Conn. Device for preventing skidding. 2,118,776; May 24.
Eaton Manufacturing Company. (See Schneider, George, assignor.)
Eclipse Machine Company. (See Sekella, Youston, assignor.)
Edeleanu Gesellschaft, m. b. H. (See Moos, J., and Ramser, assignors.)
Edeleanu Gesellschaft, m. b. H. (See Terres, E., Saegebarth, and Moos, assignors.)
Eden, Alexander M., New York, N. Y. Glove. 2,118,463; May 24.
Edison, Thomas A., Incorporated. (See Huenlich, C., and Gramann, assignors.)
Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Draft and buffing gearing. 2,118,298; May 24.
Edwards, Edward D., Washington, D. C. Match book. 2,118,726; May 24.
Eisen, Jay B., Yonkers, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Strip material for use in making center spot crowns. 2,118,595; May 24.
Electric Heat Control Company, The. (See Bartlett, William J., assignor.)
Electro Refractories & Alloys Corporation. (See Diamond, Grant S., assignor.)
Ellefsen, Bjarne, Brooklyn, N. Y. Centrifugal torque convertor. 2,118,430; May 24.
Ellis, Owen W., Forest Hill, Ontario, Canada. Bimetallic sealing device. 2,118,299; May 24.
Ellis, William C., Lynbrook, N. Y., and E. S. Greiner, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraphone. 2,118,179; May 24.
Erickson, David A., Hamill, S. Dak. Radiator screen. 2,118,344; May 24.
Ernst, Paul J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing. 2,118,760; May 24.
Estoppey, Georges L., Dayton, Ohio. Bomb sighting device. 2,118,041; May 24.
Eugene, Ltd. (See Durham, H. N., and Finnegan, assignors.)
Eureka Vacuum Cleaner Company. (See Aitken, Alex, assignor.)
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake device. 2,118,398; May 24.
Farnham, Paul O., Boonton, N. J., assignor to Radio Corporation of America. Tone control circuit. 2,118,075; May 24.
Farnsworth, Philo T., assignor to Farnsworth Television Incorporated, San Francisco, Calif. Image receiving tube. 2,118,180; May 24.
Farnsworth Television Incorporated. (See Farnsworth, Philo T., assignor.)
Farr, Walter G., South Orange, N. J., assignor to Congoleum-Nairn Inc. Surfacing structure and making same. 2,118,076; May 24.
Fellowcrafters Incorporated. (See Belash, Constantine A., assignor.)
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Ferench, Lester, Brooklyn, N. Y., assignor to American Machine & Foundry Company. Dough mixing machine. 2,118,500; May 24.
Ferguson, Arthur P., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Tire cover. 2,118,596; May 24.
Ferguson, Elma P. (See Hart, Roland W., assignor.)
Ferguson, George E., Spring Valley, N. Y., assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 2,118,597; May 24.
Ferguson, Henry G., Belfast, Northern Ireland. Tractor for agricultural implements. 2,118,180; May 24.
Ferguson, Henry G., Belfast, Northern Ireland. Tractor for agricultural implements. 2,118,181; May 24.
Feild, Alexander L., Baltimore County, assignor to Rustless Iron and Steel Corporation, Baltimore, Md. Rustless iron manufacture. 2,118,701; May 24.
Filbert, William F. (See Burrows, L. A., and Filbert.)
Filbert, William F., and W. E. Lawson, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Ignition compositions. 2,118,501; May 24.
Filippi, Hugo, Chicago, Ill., assignor to Illinois Brick Company. Brick cutting machine. 2,118,552; May 24.
Filter Tips Limited. (See May, Rowland F., assignor.)
Fine, David S., New York, N. Y. Strand former for parallel wire cables. 2,118,187; May 24.
Fink, Henry W. (See Will, C. H., and Fink.)
Fink, John, New York, N. Y. Embroidering machine. 2,118,077; May 24.
Finke, Herman, St. Louis, Mo. Corner construction. 2,118,598; May 24.
Finnegan, George B., Jr. (See Durham, H. N., and Finnegan.)
Fischer, Albert C., Chicago, Ill. Ice tray. 2,118,538; May 24.
Fischer, Philip, Chicago, Ill. Game apparatus. 2,118,037; May 24.
Fisher, Henry C., assignor to Norton Company, Worcester, Mass. Refractory. 2,118,789; May 24.
Fitzhugh, John, assignor of one-half to F. Lange, Aberdeen, Wash. Hydraulic transmission. 2,118,464; May 24.
Fleischmann, Martin. (See Newell, H. D., and Fleischmann.)
Fletcher, Ernest M., et al. (See Mimee, Frederick W., assignor.)
Flint, James A., Columbus, Ohio, assignor to The Traylor Vibrator Company. Vibratory feeding apparatus. 2,118,182; May 24.
Flügel, Heinrich, Duisburg, Germany. Drying method and apparatus. 2,118,078; May 24.
Flynn, Edward J., and J. T. M. Malpica, Schenectady, N. Y., assignors to General Electric Company. Furnace temperature indicator. 2,118,642; May 24.
Ford, Robert V., San Francisco, Calif. Valve and packing cartridge. 2,118,300; May 24.
Formica Insulation Company, The. (See Cochrane, John D., Jr., assignor.)
Foster Wheeler Corporation. (See Frisch, Martin, assignor.)
Fonques, Raoul, and J. Lenfant, Paris, France. Electromechanical winding device. 2,118,790; May 24.
Fowler, Ival G., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for use in treating glass sheets. 2,118,183; May 24.
Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Glass building block. 2,118,643; May 24.
Freeland, Frank J. (See Burch, E. S., and Freeland.)
French, Earl W., Haines, Alaska. Vehicle wheel. 2,118,702; May 24.
French, Henry C., and H. C. Frentzel, Jr., assignors to The Heil Co., Milwaukee, Wis. Drier furnace. 2,118,502; May 24.
Frentzel, Herman C., Jr. (See French, H. C., and Frentzel.)
Frick-Gallagher Mfg. Co. (See Mueller, Arthur W., assignor.)
Friden, John H., Maplewood, assignor to The Sun Tube Corporation, Hillside, N. J. Tube coating machine. 2,118,599; May 24.
Fries, Joel S., Stockholm, Sweden. Arrangement in bogies for railway carriages and the like. 2,118,345; May 24.
Frisch, Martin, Cranford, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Method and apparatus for combustion. 2,118,600; May 24.
Fronmuller, Douglas, Middle Village, and F. M. Boyles, Brooklyn, assignors to Coffee Products Corporation, New York, N. Y. Carbonated coffee beverages. 2,118,184; May 24.
Frykdahl, Carl E. H., assignor to The Coolerator Company, Duluth, Minn. Ice refrigerator. 2,118,185; May 24.
Fuchs, Frans. (See Hertlein, Carl J., assignor.)
Fullmer, Giles C., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Cosmetic holder. 2,118,399; May 24.
Gallup, David L., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,118,188; May 24.
Galvao, Joseph A. C., Brooklyn, N. Y. Socket. 2,118,503; May 24.
Ganshorn, George H. (See Gerke, R. H., Ganshorn, Howland, and Smallwood.)
Garlinger, Marshall T. J., San Jose, Calif. Machine for laying cables, pipes, and the like. 2,118,553; May 24.
Garman, George W., Scotia, N. Y., assignor to General Electric Company. Electric control circuit. 2,118,644; May 24.
Gasoline Products Company. (See Atwell, Harold V., assignor.)

Gasten, John R., East Orange, assignor to American Transformer Company, Newark, N. J. Inductive rectifier. 2,118,554; May 24.

Gaun, Harry M., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Radio tube mount. 2,118,009; May 24.

Geppelheimer, Delbert A., Chicago, and J. J. Kirby, Oak Park, Ill. Center. 2,118,301; May 24.

Gelinas, Ralph H., South Hadley Falls, Mass. Loom temple. 2,118,504; May 24.

General Aniline Works, Inc. (See Baumann, Erich, assignor.)

General Aniline Works, Inc. (See Grether, Robert, assignor.)

General Electric Company. (See Atchison, Leonard W., assignor.)

General Electric Company. (See Bakke, Hans A., assignor.)

General Electric Company. (See Flynn, E. J., and Malpica, assignors.)

General Electric Company. (See Garman, George W., assignor.)

General Electric Company. (See Harty, Edgar A., assignor.)

General Electric Company. (See Hermann, Benjamin R., assignor.)

General Electric Company. (See Hottenroth, Frederick W., Jr., assignor.)

General Electric Company. (See Macchi Aldo, assignor.)

General Electric Company. (See Meijer, Nicolaas E. G., assignor.)

General Electric Company. (See Sywert, Philip T., assignor.)

General Electric Company. (See Wetherill, Lynn, assignor.)

General Electric Company. (See Wright, Norman, assignor.)

General Electric X-Ray Corporation. (See Gross, M. J., and Atlee, assignors.)

General Electric X-Ray Corporation. (See Mesick, H. F., Jr., and Gross, assignors.)

General Electric X-Ray Corporation. (See Wantz, J. B., and Grobe, assignors.)

General Motors Corporation. (See Alexander, D. F., and Pearce, assignors.)

General Steel Castings Corporation. (See Sheehan, William M., assignor.)

Gerke, Roscoe H., Nutley, G. H. Ganshorn, West Englewood, and L. H. Howland, Nutley, N. J., and H. M. Smallwood, assignors to United States Rubber Products, Inc., New York, N. Y. Manufacture of rubber. 2,118,501; May 24.

German, Elmer J., Interlaken, N. Y. Nest door. 2,118,189; May 24.

Gessler, Albert E., Ardsley-on-Hudson, N. Y., assignor to Interchemical Corporation. Coloring and marking materials. 2,118,431; May 24.

Gessler, Albert E., assignor to Interchemical Corporation, New York, N. Y. Coloring medium. 2,118,432; May 24.

Giaimo, Basilio, Jersey City, assignor of one-third to H. J. Arena, Union City, N. J. Testing device. 2,118,703; May 24.

Gibson, Milo S., assignor to R. W. Lotz, and himself, Chicago, Ill. Knockdown closure structure. 2,118,032; May 24.

Giffen, James F., London, Ontario, Canada. Denture construction. 2,118,555; May 24.

Giles, J. W., Inc. (See Giles, Joseph W., assignor.)

Giles, Joseph W., assignor to J. W. Giles, Inc., Philadelphia, Pa. Tobacco feeding apparatus. 2,118,505; May 24.

Gineenser, Harry, Philadelphia, Pa. Locomotive. 2,118,042; May 24.

Gliddon, Gordon H. (See Ames, A., Jr., Gliddon, and Ogle.)

Globe Casket Manufacturing Co. (See White, Byron E., assignor.)

Glover, W. T., and Company Limited. (See Beaver, C. J., and Davey, assignors.)

Godsey, Frank W., Jr., North Adams, and R. C. Sprague, Williamstown, assignors to Sprague Specialties Company, North Adams, Mass. Variable condenser. 2,118,190; May 24.

Goerlitz, Edward J., and B. A. Meyer, Arlington, Minn. Dispensing container. 2,118,346; May 24.

Goerner, Gustave W. (See Koehler, E. F., and Goerner.)

Goldberg, James E., New York, N. Y. Lady's handbag with removable cover. 2,118,400; May 24.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Phonograph with automatically compensated tone and volume control. 2,118,602; May 24.

Goldsmith, William M., Cincinnati, Ohio. Roof decking. 2,118,701; May 24.

Good, John, Garden City, assignor to Automatic Motor Stop and Start, Inc., New York, N. Y. Automotive engine control system. 2,118,461; May 24.

Goode, Franklyn G., Eatontown, and G. R. Humphrey, Somerville, N. J. Apparatus for mileage testing. 2,118,079; May 24.

Goodman Manufacturing Company. (See Sloane, William W., assignee.)

Goodwin, Carl W., Plainfield, N. J., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del. Molding mechanism. 2,118,080; May 24.

Goodyear, Edward J., Wilkinsburg, Pa. Piston ring. 2,118,433; May 24.

Gordon, William R., assignor to The Atwood Machine Company, Stonington, Conn. Spindle mounting for textile machines. 2,118,302; May 24.

Gorman-Rupp Company. (See Rupp, Herbert E., assignor.)

Gosa Printing Press Company, The. (See Smith, Ernest J., assignor.)

Göth Hans E. A. (See Wessblad, K. A., Göth, and Naucler.)

Gourley, William J., and F. H. Barney, Forth Worth, Tex. Well pumping device. 2,118,377; May 24.

Goza, Lou H., Langley Field, Va. Index clip. 2,118,043; May 24.

Graham, Charlotte, New York, N. Y. Suspension strap. 2,118,378; May 24.

Gramann, Heinrich F. M. (See Huenlich, C., and Gramann.)

Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Long chain alkoxy alkanol esters. 2,118,506; May 24.

Gray, Robert A., Jr., et al. (See Eastin, Rollie R., assignor.)

Grebe, John J., assignor to The Dow Chemical Company, Midland, Mich. Treating wells. 2,118,609; May 24.

Green, Harry A., Portland, Oreg. Davenport clamp. 2,118,379; May 24.

Green, Thomas C., U. S. Marine Corps. Connecter. 2,118,670; May 24.

Green, Thomas C., U. S. Marine Corps. Shielding assembly and connecter therefor. 2,118,671; May 24.

Green, Thomas C., U. S. Marine Corps. Joint and connecter. 2,118,672; May 24.

Green, Thomas C., U. S. Marine Corps. Device for shielding a spark plug and for conducting current thereto. 2,118,673; May 24.

Greiner, Earl S. (See Ellis, W. C., and Greiner.)

Gresens, William A., Neenah, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Package for sheet material. 2,118,380; May 24.

Grether, Robert, Wilhelmsbad, near Hanau-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Mixtures of dyestuffs. 2,118,192; May 24.

Griesel, Heinrich, Berlin, Germany. Building construction. 2,118,193; May 24.

Grinnell, Albert A. (See Whedon, L. S., and Grinnell.)

Grisdale, George W., Chicago, Ill. Recording instrument. 2,118,081; May 24.

Griswold Manufacturing Company, The. (See Anderson, Carl R., assignor.)

Grobe, Julius J. (See Wantz, J. B., and Grobe.)

Groatkowski, Raymond B., West Haselton, Pa. Embalming machine and aspirator. 2,118,704; May 24.

Gross, Henry B., Augusta, Ga. Individual tooth brush holder. 2,118,465; May 24.

Gross, Malvern J. (See Mesick, H. F., Jr., and Gross.)

Gross, Malvern J., and Z. J. Atlee, Chicago, Ill., assignors to General Electric X-Ray Corporation. X-Ray tube. 2,118,434; May 24.

Grunwald, Albert C. (See Birr, R. G., and Grunwald.)

Gudmundsen, Austin, Wauwatosa, Wis. Unit air conditioner. 2,118,044; May 24.

Guggenheim Brothers. (See Smith, Elias A. C., assignor.)

Guilberson Corporation, The. (See Crickmer, Charles S., assignor.)

Gutmann, Ferdinand, & Co. (See Eisen, Jay B., assignor.)

Guttman, John, Brooklyn, N. Y., assignor to Arrow Manufacturing Company, Inc., Hoboken, N. J. Display container and holder. 2,118,507; May 24.

Gwinn, George W., Hewlett, N. Y., and J. W. Leary, Bloomfield, N. J., assignors to American Machine & Foundry Company. Cigarette catcher. 2,118,508; May 24.

Haberstump, Alfred H., and F. N. Cramer, Detroit, Mich., assignors to The Murray Corporation of America. Traveling reel. 2,118,556; May 24.

Haddock, Norman H. (See Coffey, S., and Haddock.)

Hague, Harry G., Gary, Ind. Conveying apparatus. 2,118,195; May 24.

Hailey, Sam W, assignor of ten per cent to C. E. Watts, ten per cent to W. H. Watts, and twenty per cent to W. B. Mason, Baltimore, Md. Parachute equipped aircraft. 2,118,603; May 24.

Hall, J. C., Company, The. (See Patten, Merwin G., assignor.)

Hall, Randolph F., Rochester, N. Y. Airplane. 2,118,705; May 24.

Hallden, Karl W., Thomaston, Conn. Mis-cut rotary shears. 2,118,402; May 24.

Halowax Corporation. (See Beattie, Robert W., assignor.)

Hamilton, Glen W., Independence, assignor of one-fourth to V. H. Rowlett, Kansas City, Mo. Retractable step for vehicles. 2,118,557; May 24.

Hammer, Hyman C., assignor to Price Brothers, Inc., Chicago, Ill. Illuminated sign. 2,118,777; May 24.

Hammond, John H., Jr., Gloucester, Mass. Compass alarm. 2,118,062; May 24.

Hand, Wilfred C., New York, N. Y. Liquid cosmetic applicator. 2,118,093; May 24.

Hanes, Vaughan D., Duncan, Okla. Weight indicating device. 2,118,727; May 24.





Hansen, Fred E., Lakewood, Ohio. Nozzle. 2,118,451; May 24.

Hanson, Elivin T., and J. C. Amell, Spokane, Wash. Control device for storage batteries. 2,118,558; May 24.

Hardenberg, Jan J., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Mechanical sound recording apparatus. 2,118,347; May 24.

Harris, James C., Jr., and G. Sutherland, Baltimore, Md. Process of and apparatus for polymerising oils. 2,118,728; May 24.

Harrison, Hartman K., Baltimore, Md. Garment attachment. 2,118,196; May 24.

Harshaw Chemical Company, The. (See Swinehart, Carl F., assignor.)

Hart, Roland W., Baltimore, Md., assignor of one-third to E. P. Ferguson, Philadelphia, Pa. Antiskid device for shoes. 2,118,778; May 24.

Hartford-Empire Company. (See Howard, George E., assignor.)

Hartford-Empire Company. (See Willetts, Paul G., assignor.)

Hartman, William W., Los Angeles, Calif. Blade sharpening machine. 2,118,197; May 24.

Harty, Edgar A., Marblehead, Mass., assignor to General Electric Company. Electric cut-out. 2,118,645; May 24.

Hathaway, Edgar F., Wellesley, Mass. Glare shield. 2,118,198; May 24.

Haseltine Corporation. (See Lewis, Harold M., assignor.)

Healy, Frank, Sandwich, Ontario, Canada. Sharpener and device for honing lawn mowers. 2,118,199; May 24.

Heath, Walter N. (See Birdsong, C., Wilson, and Heath.)

Heffner, Lawrence L. (See Clayton, E. C., and Heffner.)

Heftler, Maurice B. (See Crawford, M. O., and Heftler.)

Hehn, Louis F., assignor of one-half to M. T. Lane, Chicago, Ill. Coin control for bowling alleys. 2,118,303; May 24.

Heidloff, Joseph R., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure producing device. 2,118,604; May 24.

Heil Co., The. (See French, H. C., and Frentzel, assignors.)

Heinritz, Ted E., Appleton, Wis., assignor to Appleton Toy & Furniture Company. Chair. 2,118,509; May 24.

Heinzelmann, Alphonse A., Port Chester, N. Y. Golf game device. 2,118,084; May 24.

Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,118,085; May 24.

Hermann, Benjamin R., Lanesborough, Mass., assignor to General Electric Company. Electric circuit interrupting device. 2,118,646; May 24.

Herold, Paul, and W. Wustrow, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovering trimethylamine. 2,118,674; May 24.

Hertlein, Carl J., assignor of one-half to F. Fuchs, Brooklyn, N. Y. Grinding machine. 2,118,304; May 24.

Hess, Heinrich O., assignor to Aktiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland. Grid for carding machines. 2,118,200; May 24.

Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor control. 2,118,406; May 24.

Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Dry-sealing envelope. 2,118,706; May 24.

Hines, Karl R., Jr., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Packaging and dispensing transparent cellulose strip material. 2,118,791; May 24.

Hinkle, James C. (See Scheidler, F. E., and Hinkle.)

Hirschbeck, Joseph. (See Baumann, W., and Hirschbeck.)

Hitsman, Lester V., and W. B. Schultz, Boone, Iowa. Apparatus for testing pulterum disease. 2,118,305; May 24.

Hoefleur, Arthur, Chicago, Ill. Conveyer. 2,118,348; May 24.

Hoesel, Anthony F. (See Kritzer, R. W., and Hoesel.)

Hoffman Beverage Company. (See Rue, Harold E., assignor.)

Hoffman Beverage Company. (See Schmutzer, C., and Manrodt, assignors.)

Hogan, James E., Augusta, Ga. Sliding door fastener. 2,118,729; May 24.

Hohmann, Hans, New York, N. Y. Direction and position indicator for motor vehicles. 2,118,559; May 24.

Holroyd, John, & Company Limited. (See Meek, Clement, assignor.)

Holt, Clinton B., assignor of one-half to E. P. Lewis, Cotton Valley, La. Coupler for rotary well drills. 2,118,350; May 24.

Holt, James E., et al. (See Bailey, John J., assignor.)

Holton, Chester M., U. S. Navy. Artificial horizon. 2,118,045; May 24.

Hood, Harry C., Great Falls, Mont. Self-governing windmill. 2,118,201; May 24.

Hoogendam, Adriaan M. I., Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Device for the interruption of the fuel supply to a burner for liquid fuel. 2,118,349; May 24.

Hooker Electrochemical Company. (See Marsh, W. J., and Spina, assignors.)

Hooper, Wm. E., & Sons Company. (See Clayton, E. C., and Heffner, assignors.)

Hornboetel, Edward A., Des Moines, Iowa. Churn. 2,118,306; May 24.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Snap action. 2,118,792; May 24.

Hottenroth, Friederick W., Jr., Lynn, Mass., assignor to General Electric Company. Temperature regulating system. 2,118,647; May 24.

Houdaille-Hershey Corporation. (See Fergueson, Arthur P., assignor.)

Houdaille-Hershey Corporation. (See Jandus, Herbert S., and Short, assignors.)

Houdaille-Hershey Corporation. (See Schatzman, George W., assignor.)

Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Bottom closure of glassware forming mold. 2,118,793; May 24.

Howland, Louis H. (See Gerke, R. H., Ganshorn, Howland, and Smallwood.)

Hromadka, Joseph, Hamden, Conn. Strainer for cooling systems of internal combustion engines. 2,118,510; May 24.

Huckins Yacht Corporation. (See Woodman, Charles K., assignor.)

Hucks, Robert T., South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating compositions and preparing same. 2,118,511; May 24.

Hucks, Robert T., South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of black lake pigments. 2,118,512; May 24.

Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. Reversible rolling under controlled tension. 2,118,560; May 24.

Huenlich, Charles, Bloomfield, and H. F. M. Gramann, Orange, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Record shaving machine. 2,118,202; May 24.

Huff, Lyman C., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils. 2,118,605; May 24.

Huff, Walter N., Harwood, Tex. Bodless pump. 2,118,307; May 24.

Hukari, Ormand, Hood River, Oreg. Spray gun. 2,118,194; May 24.

Hull, John B. (See Stewart, C. D., and Hull.)

Humason, Granville A. (See McDonough, J. M., and Humason, assignor.)

Humphrey, Guy R. (See Goode, F. G., and Humprey.)

Hunter, George A., Los Angeles, Calif. Lubricating apparatus. 2,118,381; May 24.

Hydraulic Brake Company. (See Heidloff, Joseph R., assignor.)

Hygrade Sylvania Corporation. (See Gaun, Harry M., assignor.)

Hygrade Sylvania Corporation. (See Miller, Carl F., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Baumann, W., and Hirschbeck, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Herold, P., and Wustrow, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Rein, Herbert, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Stadler, Josef, assignor.)

Illinois Brick Company. (See Filippi, Hugo, assignor.)

Imperial Chemical Industries Limited. (See Coffey, S., and Haddock, assignors.)

Imperial Chemical Industries Limited. (See Knight, A. H., and Piggott, assignors.)

Indiana Steel & Wire Company. (See Crapo, Frederick M., assignor.)

Industrikemisk Aktiebolaget. (See Wessblad, K. A., Göth, and Naucler, assignors.)

Ingleside, Inc. (See Slayter, G., and Collins, assignors.)

Ingouf, Robert J. A., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Continuous process for making sheets of multicellular glass. 2,118,707; May 24.

Interchemical Corporation. (See Gessler, Albert E., assignor.)

International Cellucotton Products Company. (See Gresens, William A., assignor.)

International Container Coatings Corporation. (See Meade, Alexis E., assignor.)

International Engineering Corporation. (See Clark, Kendall, assignor.)

International Motor Company. (See Kurti, A., and Robbins, assignors.)

Iron Fireman Manufacturing Company. (See Birkenbeuel, Edward B., assignor.)

Jackson, Arthur R., London, England, assignor to Remington Rand Inc., Buffalo, N. Y. Charting device. 2,118,675; May 24.

Jados, Walter T., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Wasp excluder. 2,118,435; May 24.

Jaeger, Alphons O., Mount Lebanon, Pa., assignor to American Cyanamid & Chemical Corporation, New York, N. Y. Leather lubrication. 2,118,308; May 24.

Jandus, Herbert S., and B. M. Short, assignors, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Tire cover lock. 2,118,606; May 24.

Janssen, Hendrik J. J., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Recovering vanadium oxides from oil. 2,118,351; May 24.

Jeffrey Manufacturing Company, The. (See Camp, Thomas R., assignor.)

Jegge, Emil G., Montclair, and G. W. Kretzschmar, Garfield, N. J. Uniform-tension loom feeder. 2,118,046; May 24.

Jenkins Bros. (See Yardley, Farnham, assignor.)

Jennings, Edward H., Fortuna, Calif. Submarine. 2,118,466; May 24.

Jennings, Frank G., et al. (See Orrison, Kelvin T., assignor.)

Jensch, Heinrich, Frankfort-on-the-Main, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Symmetrical di(aminoquinolyl-6)-ureas. 2,118,244; May 24.

Jensen, Thormod, Laurelton, N. Y., assignor to American Machine & Foundry Company. Tight and loose wrap. 2,118,513; May 24.

Jermář, František, Opava, Czechoslovakia. Hydrostatic weir shutter. 2,118,404; May 24.

Johansson, Ernest G. (See Bradshaw, W. M., and Johansson.)

Johnson Brothers Engineering Corporation. (See Johnson, Clarence L., assignor.)

Johnson, Carl H., Bridgeport, Conn. Duplicating routing machine. 2,118,514; May 24.

Johnson, Clarence L., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill. Internal combustion engine. 2,118,761; May 24.

Johnson, Frederick H., Detroit, Mich. Sheet metal punching apparatus. 2,118,648; May 24.

Johnson, Herbert M., Needham, Mass., assignor to Westinghouse Electric & Manufacturing Company. Electrical connecter device. 2,118,607; May 24.

Johnson, John E., Atwater, Minn. Barley polisher or pearler. 2,118,309; May 24.

Johnson, Oscar A., assignor to Riley Stoker Corporation, Worcester, Mass. Furnace. 2,118,086; May 24.

Johnson, Otho W., Baltimore, Md. Life preserver. 2,118,708; May 24.

Jones, Bennett R., Perryopolis, Pa. Toy wheeled vehicle. 2,118,245; May 24.

Jones, David H., London, S. W. 8, assignor of one-half to Scaffolding (Great Britain) Limited, London, England. Scaffolding structure. 2,118,467; May 24.

Jungersen, Thoger G., Mimico, Ontario, Canada. Casting articles of intricate design and a product thereof. 2,118,468; May 24.

Junghans, Helmut, Sulgen, near Schramberg, Germany. Alarm clock. 2,118,203; May 24.

Junkers-Flugzeug- und Motorenwerke, Aktiengesellschaft. (See Mader, Otto, assignor.)

Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Steudel, H., and Wiechell, assignors.)

Jutson, Robert P., North Tarrytown, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulating system. 2,118,246; May 24.

Kalbreier, Robert J., Chicago, Ill. Speed control. 2,118,730; May 24.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle filling apparatus. 2,118,436; May 24.

Kaplan, Gustav. (See Kaplan, Morris L. and G.)

Kaplan, Morris L., Hazleton, and G. Kaplan, Harrisburg, Pa., assignors, by mesne assignments, to Trubenizing Process Corporation, New York, N. Y. Collar. 2,118,408; May 24.

Karas, Stephen A., Forest Hills, N. Y. Securing concentrated food products from bananas. 2,118,405; May 24.

Kauffman, Harold L., Warren, Pa. Treating oil-decolorizing clays. 2,118,310; May 24.

Kayatt, Philip J., Yonkers, N. Y. Electric luminescent gas tube protective device. 2,118,437; May 24.

Kearney & Trecker Corporation. (See Parsons, F. A., and Pohl, assignors.)

Keckler, Charles W., Summit, and I. C. Osten-Sacken, Glen Ridge, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Message registration checking system. 2,118,247; May 24.

Keevill, Cecil M., Hawthorn, Victoria, Australia. Window construction. 2,118,204; May 24.

Keinath, Georg, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Hydraulic governor. 2,118,248; May 24.

Kendall Company, The. (See Sayers, Ruth L., assignor.)

Kendall, James M., Tulsa, Okla., assignor to Radio Corporation of America. Electromagnetic translating device. 2,118,608; May 24.

Kennedy, Leo M., et al. (See Mimee, Frederick W., assignor.)

Kerlow Steel Flooring Co. (See Tarof, Ernest L., assignor.)

Kersey-Hayes Wheel Company. (See Ash, Charles S., assignor.)

Killiman, Robert T. (See Killiman, Thomas A. and R. T.)

Killiman, Thomas A. and R. T., Nashville, Tenn. Motion picture apparatus. 2,118,087; May 24.

Kinderman, Walter J., assignor to Yarnall-Waring Company, Philadelphia, Pa. Alarm water column. 2,118,311; May 24.

King, Dale F., Auburn, Ala., assignor, by mesne assignments, to The Bundy Incubator Company, Springfield, Ohio. Method and apparatus for determining fertility of eggs for incubation. 2,118,794; May 24.

Kirby, James J. (See Gegenheimer, D. A., and Kirby.)

Klarke, Joseph, Mishawaka, assignor to South Bend Toy Mfg. Co., South Bend, Ind. Toy. 2,118,249; May 24.

Kleeberg, Gunther K. E., Chicago, Ill. Rivet. 2,118,561; May 24.

Klein, Harry H., New York, N. Y. Hair curler. 2,118,312; May 24.

Klin, Rosamond L., London, England. Brassière. 2,118,406; May 24.

Klöne, Kurt, Duesseldorf, Germany. Apparatus for briquetting metal shavings. 2,118,205; May 24.

Klug, Johanna, New York, N. Y. Blow ball. 2,118,609; May 24.

Knapp, George, St. Louis, Mo., assignor to Certain-Teed Products Corporation, New York, N. Y. Covering material. 2,118,250; May 24.

Knight, Arthur H., and H. A. Piggott, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Monoazo dyestuffs and their production. 2,118,088; May 24.

Knight, Arthur H., and H. A. Piggott, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Sulphated polyethenoxy-alkylarylamines. 2,118,089; May 24.

Knott, Helen, Chicago, Ill. Electric cord take-up. 2,118,731; May 24.

Koch, Earl L., Chicago, Ill., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron tube amplifying system. 2,118,286; May 24.

Koch, Winfield R., Merchantville, N. J., assignor to Radio Corporation of America. Automatic gain control circuit. 2,118,287; May 24.

Koch, Winfield R., Camden, N. J., assignor to Radio Corporation of America. Signaling system. 2,118,610; May 24.

Koehler, Ernest F., Berlin, and G. W. Goerner, Bourne, Mass. Spark plug. 2,118,251; May 24.

Köhler, Alfred, Brooklyn, N. Y. Necktie rack. 2,118,611; May 24.

Kougsted, Ludvig P., Longmeadow, assignor to United American Bosch Corporation, Springfield, Mass. Electric ignition generator. 2,118,313; May 24.

Kopperud, Juel E., Hartland, Minn. Power-driven hoe. 2,118,649; May 24.

Kraft, George H., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill. Drying whey. 2,118,252; May 24.

Kraft-Phenix Cheese Corporation. (See Kraft, George H., assignor.)

Kranz, Carl, Rochester, N. Y. Bung. 2,118,314; May 24.

Kreidl, Ignaz, Vienna, Austria. White clouded vitreous enamel. 2,118,047; May 24.

Kretzschmar, George W. (See Jegge, E. G., and Kretzschmar.)

Kreutz, Walter, St. Louis, Mo. Smoking pipe. 2,118,612; May 24.

Kritzer, Richard W., and A. F. Hoesel, assignors to Peerless of America, Chicago, Ill. Finned type cooling unit. 2,118,206; May 24.

Kruger, Isidor, Newton, Mass. Vibrating instrument for producing flocked articles. 2,118,732; May 24.

Kunkle, Bert E., South Bend, Ind., assignor of one-half to F. E. Newhall, Chagrin Falls, Ohio. Separable electric connection. 2,118,562; May 24.

Kurti, Aladar, and A. D. Robbins, Highland Park, N. J., assignors to International Motor Company, New York, N. Y. Gear shifting and locking device. 2,118,090; Labovich, Nathan. (See White, A., and Labovich.)

Lamm, Uno, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Vacuum-tight joint for electrode lead-ins. 2,118,613; May 24.

Lancaster Processes, Inc. (See Robinson, Thomas, assignor.)

Landsem, Peter T., assignor to Timber Engineering Company, Laminated structure. 2,118,048; May 24.

Lane, Michael T. (See Hehn, Louis F., assignor.)

Lange, Frank. (See Fitzhugh, John, assignor.)

Langemack, Ernest, Milwaukee, Wis. Necktie adjusting device for collars. 2,118,614; May 24.

Lankton, Robert E., Newport, N. Y., assignor to Restwell Products Incorporated. Lawn chair. 2,118,676; May 24.

Larsen, Dallas J. (See Larsen, Ole A., assignor.)

Larsen, Louis G., Jersey City, N. J., assignor to Wirthsen Associates, Inc., New York, N. Y. Slotting machine. 2,118,515; May 24.

Larsen, Ole A., assignor of twenty-four and one-half per cent to D. J. Larsen, Salt Lake City, Utah. Rotary motor. 2,118,253; May 24.

Lathrop Hoge Gypsum Construction Company. (See Lathrop, Jay C., assignor.)

Lathrop, Jay C., assignor to Lathrop Hoge-Gypsum Construction Company, Cincinnati, Ohio. Roofing construction. 2,118,207; May 24.





Lawrence, Charles K., Baldwinsville, N. Y., and A. H. Maude, Prince George County, Va., assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y. Granulation of fertilisers. 2,118,438; May 24.

Lawrence, Charles K., Baldwinsville, and A. H. Maude, Niagara Falls, assignors to The Solvay Process Company, New York, N. Y. Preparation of fertilisers. 2,118,439; May 24.

Lawson, Walter E. (See Filbert, W. F., and Lawson.)

Leary, James W. (See Gwinn, G. W., and Leary.)

Lebby, States L., assignor to Corning Glass Works, Corning, N. Y. Signal. 2,118,709; May 24.

Le Bel, Clarence J., New York, N. Y., assignor to Raytheon Manufacturing Company, Newton, Mass. Electric lamp. 2,118,452; May 24.

Lee Angular Drill Corporation. (See Lee, Robert E., assignor.)

Lee, Robert E., Coleman, assignor to Lee Angular Drill Corporation, Dallas, Tex. Well drilling mechanism. 2,118,650; May 24.

Lehon Company, The. (See Leonard, Arthur G., Jr., assignor.)

Lenfant, Jacques. (See Fouques, R., and Lenfant.)

Leonard, Arthur G., Jr., Wilmington, assignor, by mesne assignments, to The Lehon Company, Chicago, Ill. Machine for making tapered cement asbestos shingles. 2,118,762; May 24.

Lehr, Clarence G., Baltimore, Md. Ameliorating alcoholic liquids adapted for human consumption. 2,118,049; May 24.

Lever Brothers Company. (See Andersen, Carl N., assignor.)

Leverenz, Humboldt W., Collingswood, N. J., assignor to Radio Corporation of America. Luminescent material. 2,118,091; May 24.

Levinson, David, assignor to Standard Sports Mfg., Co., Chicago, Ill. Inflatable ball. 2,118,315; May 24.

Lewers, George R., Brooklyn, assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y. Incineration. 2,118,208; May 24.

Lewis, E. P. (See Holt, Clinton B., assignor.)

Lewis, Harold M., Douglaston, Long Island, N. Y., assignor to Haseltine Corporation. Periodic voltage generator. 2,118,352; May 24.

Libbey-Owens-Ford Glass Company. (See Alexander, Harold M., assignor.)

Libbey-Owens-Ford Glass Company. (See Crowley, J. P., and Schafer, assignors.)

Libbey-Owens-Ford Glass Company. (See Fowler, Ival G., assignor.)

Liebowitz, Benjamin, assignor to Trubensing Process Corporation, New York, N. Y. Fold lines. 2,118,407; May 24.

Lifegard Co., The. (See Christopher, E. T., and Murray, assignors.)

Lilly, Eli, and Company. (See Shonle, Horace A., assignor.)

Lincoln, Paul M. (See Sprole, Robert R., assignor.)

Lindner, Herbert. (See Wölfle, Georg R., assignor.)

Line Material Company. (See Schultz, W. O., and Steinmayer, assignors.)

Line, William K., Butte, Mont. Vehicle brake. 2,118,733; May 24.

Linthwaite, Owen C., assignor to Bendix Products Corporation, South Bend, Ind. Outboard motor assembly. 2,118,200; May 24.

Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)

Lirsa Societe Anonyme. (See Buchwalder, Henri, assignor.)

Littleton, Jesse T., assignor, by mesne assignments, to Corning Glass Works, Corning, N. Y. Insulator. 2,118,795; May 24.

Loedding, Alfred C., New York, N. Y. Aircraft. 2,118,254; May 24.

Loeffel, Lester H., and I. R. Versoy, assignor to The Berger Brothers Company, New Haven, Conn. Device for posture study. 2,118,092; May 24.

Loewy, Julius E., Philadelphia, Pa. Abrasive assembly. 2,118,400; May 24.

Lofstedt, William J., assignor, by mesne assignments, of two-thirds to Premier Manufacturing and Sales Company, Portland, Oreg., and one-third to R. H. Mort. Plate shaving machine. 2,118,410; May 24.

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,118,440; May 24.

Lorbetske, Carl, Seattle, Wash. Porch light and number display. 2,118,469; May 24.

Lots, Rudolph W., et al. (See Gibson, Milo S., assignor.)

Loucks, George C., and J. R. H. Ward, Milwaukee, Wis. Perforated and embossed shoe part. 2,118,255; May 24.

Lower, Melvin S., Wadsworth, assignor to The Sun Rubber Company, Barberton, Ohio. Doll construction. 2,118,677; May 24.

Lowry, Edward N., assignor, by mesne assignments, to W. L. Broad, Syracuse, N. Y. Bottle capping machine. 2,118,710; May 24.

Lubrication Corporation, The. (See Creveling, John L., assignor.)

Lubrication Corporation, The. (See Tear, Harry R., assignor.)

Luther, Nellie F., Providence, R. I. Indicating and maintaining a count of stitches in hand knitting. 2,118,210; May 24.

Luts, Edward H., Norwood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Liquid congealing apparatus. 2,118,211; May 24.

Lynskey, John E., Chicago, Ill. Railway brake application. 2,118,316; May 24.

Lyon, George A., Allenhurst, N. J., assignor to Lyon Incorporated, Detroit, Mich. Ornamental fender skirt. 2,118,256; May 24.

Lyon, George A., Allenhurst, N. J., assignor to Lyon Incorporated, Detroit, Mich. Ornamental fender skirt. 2,118,615; May 24.

Lyon Incorporated. (See Lyon, George A., assignor.)

Lytle, Arthur R., Niagara Falls, N. Y., assignor to Oxweld Acetylene Company. Welding rod. 2,118,678; May 24.

Lytle, Arthur R., Niagara Falls, N. Y., assignor to Oxweld Acetylene Company. Welding rod. 2,118,679; May 24.

Lytle, Arthur R., Niagara Falls, N. Y., assignor to Oxweld Acetylene Company. Welding flux and welding rod. 2,118,680; May 24.

Macchi, Aldo, Belleville, N. J., assignor to General Electric Company. Furnace control system. 2,118,651; May 24.

Macdonald, William F., assignor, by mesne assignments, to Bridgeport Thermostat Company, Inc., Bridgeport, Conn. Pump sealing means. 2,118,681; May 24.

MacIntire, Walter H., Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Obtaining magnesium oxide from dolomitic rock. 2,118,353; May 24.

Mackay, John H., Detroit, Mich. Automobile headlining. 2,118,563; May 24.

MacLaurin, James D., South Orange, N. J. Process and apparatus for coating paper. 2,118,212; May 24.

MacMichael, Hugh R., Piedmont, Calif. Shoe dauber. 2,118,051; May 24.

Maddock, Robert H., assignor to The Midland Steel Products Company, Cleveland, Ohio. Cross frame member. 2,118,257; May 24.

Mader, Otto, Dessau-Ziebigk, assignor to Junkers-Flugzeug- und Motorenwerke, Aktiengesellschaft, Dessau, Germany. Machining of engine cylinder liners. 2,118,317; May 24.

Magee, Carl C., assignor to Dual Parking Meter Company, Oklahoma City, Okla. Coin controlled parking meter. 2,118,318; May 24.

Magnadux Corporation. (See Doane, Foster B., assignor.)

Magnavox Company, The. (See Brennan, Joseph B., assignor.)

Magrath, Arthur C., New Dorp, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay mechanism. 2,118,258; May 24.

Major, Randolph T., Plainfield, and H. T. Bonnett, assignors to Merck & Co. Inc., Rahway, N. J. Optical isomers of acyl-B-alkyl choline salts and intermediates and their production. 2,118,054; May 24.

Mallory, P. R., & Co. Inc. (See Richter, Henry G., assignor.)

Malott, Herbert, assignor to Detroit Show Case Company, Detroit, Mich. Store fixture. 2,118,213; May 24.

Malpica, Jose T. M. (See Flynn, E. J., and Malpica.)

Manchester, Harvey. (See Chittenden, F. D., and Manchester.)

Manhattan Shirt Co., The. (See Sanders, Bertram, assignor.)

Mann, Walter D. (See Bergmann, Carl A., assignor.)

Manrodt, Kurt. (See Schmutzer, C., and Manrodt.)

Mansur, Edward E., Jefferson City, Mo. Catamenial calendar. 2,118,354; May 24.

Mants, Robert, New York, N. Y. Clasp ornament. 2,118,411; May 24.

Marathon Paper Mills Company. (See Morris, Elmer C., assignor.)

Marlin-Rockwell Corporation. (See Barish, Thomas, assignor.)

Marsh, William J., and J. A. Spins, Niagara Falls, assignors to Hooker Electrochemical Company, New York, N. Y. Chlorinated benzene compounds useful as film-strengthening agents for lubricants and producing them. 2,118,214; May 24.

Marsh, William J., and J. A. Spins, Niagara Falls, assignors to Hooker Electrochemical Company, New York, N. Y. Lubricant of high film strength. 2,118,215; May 24.

Marsh, William J., and J. A. Spins, Niagara Falls, assignors to Hooker Electrochemical Company, New York, N. Y. High film strength lubricant compositions. 2,118,216; May 24.

Marsh, William J., and J. A. Spins, Niagara Falls, assignors to Hooker Electrochemical Company, New York, N. Y. Lubricant compositions of high film strength. 2,118,217; May 24.

Marshall, Alfred H. (See Parkins, W. A., and Marshall.)

Marsilius, Newman M., assignor, by mesne assignments, to The Bridgeport Bronze Company, Bridgeport, Conn. Vertical spindle milling machine. 2,118,259; May 24.

Marsilius, Newman M., assignor, by mesne assignments, to The Bridgeport Bronze Company, Bridgeport, Conn. Crankshaft milling machine. 2,118,260; May 24.

Martin, Glenn M. Company, The. (See Baechle, Claire M., assignor.)
Martin, Joseph, Laureiton, assignor to United States Cabinet Bed Co., Brooklyn, N. Y. Couch bed. 2,118,050; May 24.
Marzano, Eduardo, Rochester, N. Y. Attachment for invalid beds. 2,118,261; May 24.
Mason, William B., et al. (See Hailey, Sam W., assignor.)
Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Burnishing of fiberboards. 2,118,763; May 24.
Masonite Corporation. (See Mason, William H., assignor.)
Matthews, George A., assignor to The Detroit Edison Company, Detroit, Mich. Circuit breaker. 2,118,355; May 24.
Maude, Aylmer H. (See Lawrence, C. K., and Maude.)
May, Rowland F., Potters Bar, assignor to Filter Tips Limited, London, England. Cigarette. 2,118,783; May 24.
Maynard, Walter A., Cleveland Heights, Ohio. Internal combustion engine. 2,118,319; May 24.
McCollum, Elton V., assignor to Continental Oil Company, Ponca City, Okla. Making geological explorations. 2,118,441; May 24.
McCollum, Elton V., and L. F. Athy, assignors to Continental Oil Company, Ponca City, Okla. Geophysical method of determining geological structures. 2,118,442; May 24.
McConnaughay, Kenneth E., Otterbein, Ind. Emulsifier. 2,118,616; May 24.
McCorkle, Claire L. (See McCorkle, Donald H., assignor.)
McCorkle, Donald H., assignor to C. L. McCorkle, Berkeley, Calif. Electric valve. 2,118,443; May 24.
McCready, Byron R., Gary, Ind. Smoker's accessory. 2,118,564; May 24.
McCue, Gerald, assignor to The Berger Brothers Company, New Haven, Conn. Device for posture study. 2,118,093; May 24.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Combined electric and pneumatic brake. 2,118,412; May 24.
McDonough, James M., Galveston, and G. A. Humason, Houston, Tex. Combination casing head and Christmas tree. 2,118,094; May 24.
McEwen, William A., La Grande, Oreg. Self-help merchandising device. 2,118,820; May 24.
McFarlan, Ronald L. (See Bowles, J. A. C., and McFarlan.)
McGill, Graham S. (See Beyer, William K., assignor.)
McGowan, Albert E., Carlisle, Pa. Pulley clutch. 2,118,734; May 24.
McGrady, Leon L., Rochester, N. Y., and C. G. Rittenhouse, Chicago, Ill., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Nonfogging container for moisture containing materials. 2,118,262; May 24.
McIntire, Charles V., Short Hills, N. J., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Process and apparatus for making carbureted water gas. 2,118,095; May 24.
McIntire, Charles V., Short Hills, N. J., and W. Tiddy, assignors to Semet-Solvay Engineering Corporation, New York, N. Y. Carbureted water gas set. 2,118,096; May 24.
McKinney, Charles H., assignor of two-thirds to F. E. Drew, Portland, Oreg. Carrier. 2,118,711; May 24.
McLaughlin, Robert W., Jr., assignor to American Houses, Inc., New York, N. Y. Building construction. 2,118,216; May 24.
McWane, Henry E., Lynchburg, Va. Mold construction. 2,118,764; May 24.
Meade, Alexis E., Lakewood, Ohio, assignor, by mesne assignments, to International Container Coatings Corporation. Layered structure and making the same. 2,118,565; May 24.
Meade, Harold W., Covington, Ind. Carburetor. 2,118,516; May 24.
Meek, Clement, assignor to John Holroyd & Company Limited, Milnrow, England. Machine for casting hollow bodies. 2,118,097; May 24.
Meijer, Nicolaas E. G., Schenectady, N. Y., assignor to General Electric Company. Controllable pitch propeller and the like. 2,118,652; May 24.
Meijer, Nicolaas E. G., Schenectary, N. Y., assignor to General Electric Company. Controllable pitch propeller. 2,118,653; May 24.
Meijer, Nicolaas E. G., Schenectady, N. Y., assignor to General Electric Company. Control device. 2,118,654; May 24.
Mellink, Charles F., Toledo, Ohio. Cash drawer. 2,118,382; May 24.
Mellen, James J., assignor to The Clark Controller Company, Cleveland, Ohio. Induction motor driving and braking system. 2,118,219; May 24.
Melvin, Oscar L., Columbus, Ohio. Combined plumb and level. 2,118,470; May 24.
Merck & Co. (See Major, R. T., and Bonnett, assignors.)
Mercanda, Paul V. J., Fontenay-aux-Roses, France, assignor to The Turner Tanning Machinery Company, Portland, Maine. Press. 2,118,098; May 24.
Mesick, Harry F., Jr., and M. J. Gross, Chicago, Ill., assignors to General Electric X-Ray Corporation. X-ray tube. 2,118,413; May 24.
Meyer, Benjamin A. (See Goerits, E. J., and Meyer.)
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heat transfer apparatus. 2,118,263; May 24.
Micromatic Hone Corporation. (See Connor, Kirke W., assignor.)
Midland Steel Products Company, The. (See Maddock, Robert H., assignor.)
Midland Steel Products Company. (See Wallace, R. H., and Riemenschneider, assignors.)
Miehle Printing Press & Manufacturing Company. (See Mitchell, Arthur B., assignor.)
Milas, Nicholas A., Belmont, and W. L. Walsh, Somerville, Mass., assignors to Research Corporation, New York, N. Y. Catalytic oxidation of organic compounds. 2,118,567; May 24.
Miles, Gilbert D., Sunland, Calif. Buffered cosmetic. 2,118,566; May 24.
Miller, Carl F., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Electrode for electric discharge tubes. 2,118,765; May 24.
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Threated gear shaping machine. 2,118,453; May 24.
Mimee, Frederick W., assignor to E. M. Fletcher and L. M. Kennedy, Hamilton, Ontario, Canada. Dispenser for ice cream cones. 2,118,321; May 24.
Miracle Paint Rejuvenator Company. (See Schlets, Fred A., assignor.)
Mirk, Paul, New York, N. Y. Sanitary cover for food pans. 2,118,099; May 24.
Mitchell, Arthur B., La Grange, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Dampening mechanism for printing presses. 2,118,517; May 24.
Mock, Frank C., Montclair, N. J., assignor to Bendix Products Corporation, South Bend, Ind. Carburetor. 2,118,220; May 24.
Mohler, Ernest E., assignor to Anderson Box Company, Indianapolis, Ind. Collapsible poultry feeder. 2,118,322; May 24.
Money, Roland H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. One-way valve. 2,118,356; May 24.
Money, Roland H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Refrigerator. 2,118,735; May 24.
Monk, Newton, New York, and W. H. Tidd, White Plains, N. Y., assignors to American Telephone and Telegraph Company. Electrical transmission system. 2,118,471; May 24.
Monroe Calculating Machine Company. (See Crosman, Loring P., assignor.)
Montuori, Felix C., Washington, D. C., assignor to Cook Laboratories, Inc., New York, N. Y. Hypodermic syringe. 2,118,221; May 24.
Moore, John H. (See Alward, J. E., and Moore.)
Moos, Joseph. (See Terres, E., Saegebarth, and Moos.)
Moos, Josef, and H. Ramser, New York, N. Y., assignors to Edeleanu Gesellschaft m. b. H. Treatment of hydrocarbon oils using sulphonyl halides. 2,118,766; May 24.
Morris, Elmer C., Chicago, Ill., assignor to Marathon Paper Mills Company, Rothschild, Wis. Paper napkin. 2,118,472; May 24.
Morris, Elmer C., Chicago, Ill., assignor to Marathon Paper Mills Company, Rothschild, Wis. Paper napkin. 2,118,473; May 24.
Mort, Ralph H., et al. (See Lofstedt, William J., assignor.)
Morton, Agnes W., Radlett, England. Portable sun and wind shelter for beach or like use. 2,118,474; May 24.
Moullin, Eric B., Oxford, England, assignor to Radio Corporation of America. Thermionic oscillation generator. 2,118,414; May 24.
Mueller, Arthur W., Cincinnati, assignor to The Frick-Gallagher Mfg. Co., Wellston, Ohio. Rotatable bin. 2,118,444; May 24.
Mullin, Francis R. (See Wagner, George R., assignor.)
Murphy, John J., St. Albans, N. Y., assignor of one-half to W. B. Terry, Hillsdale, N. J. Traveling handbag or case. 2,118,323; May 24.
Murray Corporation of America, The. (See Haberstump, A. H., and Cramer, assignors.)
Murray, Hugh E. (See Christopher, E. T., and Murray.)
Myer, Henry C., Denver, Colo., and M. L. Myer, St. Louis, Mo. Tie plate and rail fastener. 2,118,100; May 24.
Myer, Moses L. (See Myer, Henry C. and M. L.)
N. V. Philips' Gloeilampenfabrieken. (See Bouwers, Albert, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Hardenberg, Jan J., assignor.)
Nagel, Charles H., Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Rubber doll. 2,118,682; May 24.
Nanfeldt, Ernest, New Haven, Conn., assignor to Respro, Inc., Cranston, R. I. Light projection display means. 2,118,264; May 24.
Nashua Gummed and Coated Paper Company. (See Hines, Karl R., Jr., assignor.)
National Aniline & Chemical Company. (See Rogers, Donald G., assignor.)
National Malleable and Steel Castings Company. (See Blackmore, William, assignor.)





Naucler, Johan O. (See Wennblad, K. A., Göth, and Naucler.)
Neubert, Oscar, Jr., Long Beach, Calif. Compass controlled switch. 2,118,265; May 24.
Neumann, Georg, Berlin, Germany. Distance measuring system. 2,118,518; May 24.
Newell, Harold D., Patterson Heights, Pa., and M. Fleischmann, Canton, Ohio, assignors of one-half to The Babcock & Wilcox Tube Company, West Mayfield, Pa., and one-half to The Timken Roller Bearing Company, Canton, Ohio. Hot rolled metal article and making same. 2,118,683; May 24.
Newhall, Florence. (See Kunkle, Bert E., assignor.)
News Projection Corporation. (See Proctor, Barton A., assignor.)
Newsome, James W., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Coating on aluminum. 2,118,053; May 24.
Newsome, James W., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Coatings on aluminum. 2,118,055; May 24.
Nicolet, Constant E., Milwaukee, Wis. Skate sharpener. 2,118,617; May 24.
Nicholson, James H., San Francisco, Calif. Wringer mop. 2,118,618; May 24.
Nilson, Olof G., Chicago, Ill. Combined cap and spout for liquid dispensing containers. 2,118,222; May 24.
Noack, Franz, Berlin, Germany. Color film. 2,118,519; May 24.
Nollau, Edgar H., Wilmington, Del., and D. A. Rankin, White Plains, N. Y., assignors to E. I. du Pont de Nemours & Co., Wilmington, Del. Coated fabric. 2,118,101; May 24.
Nordberg Manufacturing Company. (See Symons, Loren G., assignor.)
Nordell, Carl H., assignor to Advance Engineering Company, Chicago, Ill. Sewage treatment. 2,118,266; May 24.
Nordstrom, Gustaf E., assignor to American Fibre Corporation, Gardner, Mass. Reed loom. 2,118,223; May 24.
North American Holding Corporation et al. (See Thoma, Andrew, assignor.)
Norton Company. (See Fisher, Henry C., assignor.)
Norton Company. (See Saxe, Charles W., assignor.)
O'Connor, Ethel, Brookly, N. Y. Stocking. 2,118,102; May 24.
Odom, Earl R., Marion, Ind. Conveyer for hot bottles. 2,118,736; May 24.
Odor, Ralph K., Edmond, Okla. Propeller assembly for aircraft. 2,118,052; May 24.
Oeding, Wolfgang, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Cable connecter and support. 2,118,103; May 24.
Ogle, Kenneth N. (See Ames, A., Jr., Gliddo, and Ogle.)
Okonite Company, The. (See Waldron, Richard C., assignor.)
Olsen, Tinius, Testing Machine Company. (See Sivertsen, Jens, assignor.)
Olsson, Bengt, Brooklyn, N. Y. Oil pumping apparatus. 2,118,568; May 24.
Oppenheim, René, assignor to Société Anonyme Le Carbone, Gennevilliers, France. Primary cell. 2,118,712; May 24.
Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission synchroniser. 2,118,619; May 24.
Orrison, Kelvin T., assignor of two-eighths to J. Boyle, Jr., and three-eighths to F. G. Jennings, Washington, D. C. Ice product and making the same. 2,118,796; May 24.
Orsenigo, Alfred, Mount Vernon, N. Y. Adjustable table. 2,118,620; May 24.
Osten-Sacken, Irving C. (See Keckler, C. W., and Osten-Sacken.)
Oswald, Charles L., Pontiac, Mich. Trap. 2,118,569; May 24.
Owens-Illinois Glass Company. (See Slayter, Games, assignor.)
Oxweld Acetylene Company. (See Lytle, Arthur R., assignor.)
Packard Motor Car Company. (See Van Ranst, Cornelius W., assignor.)
Page, Alphonse E., Niagara Falls, N. Y. Bowling game. 2,118,383; May 24.
Pallas, Manuel A., New York, N. Y. Garment clasp. 2,118,475; May 24.
Palmer Electric & Manufacturing Company et al. (See Bradshaw, W. M., and Johansson, assignors.)
Parking, Wright A., West Hartford, and A. H. Marshall, West Bloomfield, Conn., assignors, by mesne assignments, to United Aircraft Corporation. Engine priming means. 2,118,570; May 24.
Parks & Woolson Machine Company. (See Richardson, Charles G., assignor.)
Parshad Holding Corporation, et al. (See Thoma, Andrew, assignor.)
Parsons, Fred A., Milwaukee, Wis., and W. M. Pohl, Washington, D. C., assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 2,118,357; May 24.
Parsons, Fred A., Milwaukee, and W. M. Pohl, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 2,118,358; May 24.
Patent and Licensing Corporation, The. (See Wettlaufer, Jules L., assignor.)
Patten, Merwin G., Cranston, R. I., assignor to The J. C. Hall Company. Pastel holder. 2,118,384; May 24.
Pearce, George C. (See Alexander, D. F., and Pearce.)
Pearson, Axel B., Munhall, Pa. Disk rolling apparatus. 2,118,224; May 24.
Peck, William W., Muncie, Ind. Combustion device. 2,118,104; May 24.
Peerless of America. (See Kritzer, R. W., and Hoesel, assignors.)
Pelk, Paul G., Cleveland, Ohio. Muffler. 2,118,056; May 24.
Pendleton, Louis B., St. Louis, Mo. Movable auto top. 2,118,520; May 24.
Perazzoli, Henry J., Philadelphia, Pa. Track grinder. 2,118,621; May 24.
Percy, Early N., assignor to Dry Fruit Products Company, Oakland, Calif. Drying fruit. 2,118,324; May 24.
Perry, Walter M., assignor to Sperry Products, Inc., Brooklyn, N. Y. Track recorder mechanism. 2,118,105; May 24.
Pesark, John, Brooklyn, N. Y. Device for applying sealing wax. 2,118,415; May 24.
Peters, Edward B., assignor to Standard Sports Mfg. Co., Chicago, Ill. Inflatable ball. 2,118,325; May 24.
Peterson, Adolphe C., Edina, Minneapolis, Minn. Charge stratification dual charging internal combustion engine. 2,118,571; May 24.
Phillips, Arthur H., Hempstead, N. Y., and W. Allan, Jr., Ridgefield Park, N. J., assignors, by mesne assignments, to American Sales Book Company, Inc. Manifolding assembly. 2,118,655; May 24.
Phillips Petroleum Company. (See Durkee, J. D., and Yonkers, assignors.)
Pickens, John D., Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polishing composition. 2,118,521; May 24.
Pierce, John S., Georgetown, Ky. Antiseptic products. 2,118,225; May 24.
Piggott, Henry A. (See Knight, A. H., and Piggott.)
Pitman, Earle C., Lincroft, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Carpet seam. 2,118,522; May 24.
Pitman, Louis K., New York, N. Y. Medical instrument. 2,118,523; May 24.
Pittsburgh Plate Glass Company. (See Fox, John H., assignor.)
Pohl, Walter M. (See Parsons, F. A., and Pohl.)
Posthumus, Klaas. (See van der Pol, B., and Posthumus.)
Powers & Company. (See Powers, Frank M.)
Powers, Frank M., assignor to Powers & Company, Chicago, Ill. Tent. 2,118,572; May 24.
Premier Manufacturing and Sales Company, et al. (See Lofstedt, William J., assignor.)
Prescott, Henry T., Chicago, Ill. Culture device. 2,118,684; May 24.
Press, Carl, assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,118,106; May 24.
Price Brothers, Inc. (See Hammer, Hyman C., assignor.)
Price, Earl R. (See Price, Harold W. and E. R.)
Price, Harold W. and E. R., assignors to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,118,226; May 24.
Proctor, Barton A., Larchmont, assignor, by mesne assignments, to News Projection Corporation, New York, N. Y. Machine for co-operating with record receiving tapes. 2,118,057; May 24.
Proffitt, Russell P., Chicago, Ill., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing. 2,118,767; May 24.
Prosperity Company Inc., The. (See Zimarik, Louis.)
Putt, Harlie O., Elkhart, Ind., assignor to The Adlake Company. Electric lantern. 2,118,656; May 24.
Putt, Harlie O., Elkhart, Ind., assignor to The Adlake Company. Electric lantern. 2,118,657; May 24.
Pyrene Manufacturing Company. (See Crowder, William A., assignor.)
Pyrene Manufacturing Company. (See Dodelin, Fred A., assignor.)
Pyrene Manufacturing Company. (See Ferguson, George E., assignor.)
Quinn, Lawrence, Oil City, Pa. Game. 2,118,359; May 24.
Radio Corporation of America. (See Davis, N. E., and Ainsley, assignors.)
Radio Corporation of America. (See Ditcham, William T., assignor.)
Radio Corporation of America. (See Douden, William L., assignor.)
Radio Corporation of America. (See Duttera, William S., assignor.)
Radio Corporation of America. (See Farnham, Paul O., assignor.)
Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)
Radio Corporation of America. (See Kendall, James M., assignor.)
Radio Corporation of America. (See Koch, Earl L., assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)

Radio Corporation of America. (See Leverenz, Humboldt W., assignor.)
Radio Corporation of America. (See Moullin, Eric B., assignor.)
Radio Corporation of America. (See Roberts, Walter V., assignor.)
Radio Corporation of America. (See Sachtleben, Lawrence T., assignor.)
Radio Corporation of America. (See Schade, Otto H., assignor.)
Radio Corporation of America. (See Smith, John P., assignor.)
Radio Corporation of America. (See van der Pol, B., and Posthumus.)
Rafkl, Stephen, Cleveland, Ohio. Necktie. 2,118,416; May 24.
Ramser, Hans. (See Moos, J., and Ramser.)
Rankin, Donald A. (See Nollau, E. H., and Rankin.)
Ranschoff, Nathan, Cincinnati, Ohio. Tumbling mill. 2,118,227; May 24.
Ravenna, Joseph, Philadelphia, Pa. Oil burner. 2,118,228; May 24.
Raytheon Manufacturing Company. (See Le Bel, Clarence J., assignor.)
Rea, Walter C., Philadelphia, Pa., assignor, by mesne assignments, to Detachable Bit Company, New York, N. Y. Rock drill. 2,118,524; May 24.
Rein, Herbert, Lipzig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of nitrogen containing derivatives of polymerized vinyl esters of halogen fatty acids. 2,118,713; May 24.
Remington Rand Inc. (See Jackson, Arthur R., assignor.)
Renstrom, Carl W., Omaha, Nebr. Hair curler 2,118,737; May 24.
Research Corporation. (See Milan, N. A., and Walsh assignors.)
Respro, Inc. (See Nanfeldt, Ernest, assignor.)
Restwell Products Incorporated. (See Lankton, Robert E., assignor.)
Reynolds, Herbert E., and W. Alexander, assignors to Dobbie McInnes Limited, Glasgow, Scotland. U-tube gauge. 2,118,229; May 24.
Rice, Fred A., Joliet, Ill. Perforating pencil. 2,118,230; May 24.
Richards, Harry W., New York, N. Y. Train signaling system. 2,118,476; May 24.
Richardson, Bayard E., Grand Rapids, Mich. Knockdown desk. 2,118,525; May 24.
Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Semidecating apparatus. 2,118,417; May 24.
Richardson, Charles, Jr., Pasadena, Calif. Tray. 2,118,326; May 24.
Richter, Henry G., Westfield, N. J., assignor, by mesne assignments, to P. R. Mallory & Co. Inc., Indianapolis, Ind. Rheostat. 2,118,267; May 24.
Richer, Berthold E., St. Cloud, Minn. Trailer hitch. 2,118,231; May 24.
Riddell, John T., Chicago, Ill. Athletic shoe sole plate. 2,118,107; May 24.
Rieger, John C., Louisville, Ky. Device for holding cut photographic films for developing and fixing. 2,118,738; May 24.
Riemenschneider, Ernest. (See Wallace, R. H., and Riemenschneider.)
Riley Development Corporation. (See Riley, Glenn L., assignor.)
Riley, Francis B., Newton Highlands, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fabric and making the same. 2,118,108; May 24.
Riley, Glenn L., New Orleans, La., assignor to Riley Development Corporation. Auxiliary combustion chamber for internal combustion engines. 2,118,058; May 24.
Riley Stoker Corporation. (See Johnson, Oscar A., assignor.)
Ripple, Charles H., assignor to The Clark Controller Company, Cleveland, Ohio. Dual pressure control for pneumatically operated apparatus. 2,118,779; May 24.
Rittenhouse, Charles G. (See McGrady, L. L., and Rittenhouse.)
Robbins, Asor D. (See Kurtl, A., and Robbins.)
Roberts, Arthur A., deceased, London, England; A. Roberts and C. W. Smith, administrators. Liquid fuel. 2,118,477; May 24.
Roberts, Arthur, et el., administrators. (See Roberts, Arthur A.)
Roberts Brass Manufacturing Company, The. (See Roberts, Earl W., assignor.)
Roberts, Earl W., assignor to The Roberts Brass Manufacturing Company, Detroit, Mich. Gas cock. 2,118,232; May 24.
Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Radio clock. 2,118,109; May 24.
Robinson, Thomas, Smithtown, assignor to Lancaster Processes, Inc., New York, N. Y. Surfacing. 2,118,526; May 24.
Robinson, Thomas, Brooklyn, N. Y. Stretcher, bed, cot, and the like. 2,118,780; May 24.
Rockwood & Co. (See Zenlea, Benjamin J., assignor.)
Rogers, Donald G., Ridgewood, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production and separation of isomeric aminohydroxy anthraquinones. 2,118,445; May 24.
Roland, John, assignor to Schwitser-Cummins Company, Indianapolis, Ind. Air conditioning unit. 2,118,328; May 24.
Rosenberg, Stig E., Brockton, Mass. Cutting die for ornamenting shoe-upper parts. 2,118,110; May 24.
Ross, Aaron I., Decatur, Ill. Shade and curtain hanger. 2,118,714; May 24.
Rost, Helge. (See Vigren, S. D., and Rost.)
Round Oak Company. (See Burch, E. S., and Freeland, assignors.)
Rowlett, Vinton H. (See Hamilton, Glen W., assignor.)
Rue, Harold E., West Orange, assignor to Hoffman Beverage Company, Newark, N. J. Label grip finger mechanism. 2,118,418; May 24.
Ruggio, Toby, Chicago, Ill. Hydrant guard. 2,118,233; May 24.
Rupp, Herbert E., assignor to Gorman-Rupp Company, Mansfield, Ohio. Reciprocating liquid pump. 2,118,234; May 24.
Rustless Iron and Steel Corporation. (See Arness, William B., assignor.)
Rustless Iron and Steel Corporation. (See Feild, Alexander L., assignor.)
Sachtleben, Lawrence T., Camden, N. J., assignor to Radio Corporation of America. Method of recording impulses. 2,118,622; May 24.
Saegebarth, Erich. (See Terres, E., Saegebarth, and Moos.)
Sager, Samuel N., Chicago, Ill. Hand and glove protector. 2,118,360; May 24.
Sallada, Velmont, Annandale, N. J. Decoration of fabrics. 2,118,781; May 24.
Sampson, David A. (See Smith, M. B., and Carlson, assignors.)
Sanders, Bertram, South Orange, N. J., assignor to The Manhattan Shirt Co., New York, N. Y. Underwear. 2,118,797; May 24.
Sarfert, Harry, Philadelphia, and A. A. Arnold, Pottstown, Pa. Thread cleaner bracket. 2,118,623; May 24.
Satake, Iwajiro, Shibuya-ku, Tokyo, Japan. Broom or rake. 2,118,235; May 24.
Saxe, Charles W., assignor to Norton Company, Worcester, Mass. Refractory. 2,118,798; May 24.
Sayers, Ruth L., assignor to The Kendall Company, Walpole, Mass. Fabric. 2,118,658; May 24.
Scaffolding (Great Britain) Limited. (See Jones, David H., assignor.)
Schaafsma, Albert, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Separating high molecular mixtures of the ester type. 2,118,454; May 24.
Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Grid detector circuit. 2,118,111; May 24.
Schaeffer, Ethan A., Jr., Springfield, Ohio. Quick action nut. 2,118,361; May 24.
Schafer, Conrad B. (See Crowley, J. P., and Schafer.)
Scharlau, Hans, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Ultrashort wave reflector. 2,118,419; May 24.
Schatzman, George W., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield construction. 2,118,624; May 24.
Scheider, Frederick E., and J. C. Hinkle, Los Angeles, Calif.; said Hinkle assignor to said Scheider. Apparatus for pumping wells. 2,118,539; May 24.
Schellenger, Newton C., assignor to Chicago Telephone Supply Co., Elkart, Ind. Variable resistance device. 2,118,112; May 24.
Schellenger, Newton C., assignor to Chicago Telephone Supply Co., Elkhart, Ind. Switch shield. 2,118,268; May 24.
Schemel, Abraham, Yonkers, N. Y. Shoe plate. 2,118,113; May 24.
Schenk, William, Long Island City, N. Y. Exercising device. 2,118,114; May 24.
Schlenter, John H., Cascade, Wis. Cleat for vehicle wheels. 2,118,269; May 24.
Schletz, Fred A., assignor to Miracle Paint Rejuvenator Company, Incorporated, St. Paul, Minn. Mixing machine. 2,118,362; May 24.
Schmutzer, Charles, Irvington, and K. Manrodt, assignors to Hoffman Beverage Company, Newark, N. J. Label brushing device. 2,118,527; May 24.
Schneider, George, Saginaw, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Making tappets. 2,118,446; May 24.
Schnur, Mathew, Chicago, Ill. Combination lock. 2,118,478; May 24.
Scholl, Clark, assignor, by mesne assignments, to The Steel Products Engineering Company, Springfield, Ohio. Fuel stoker. 2,118,625; May 24.
Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Television apparatus. 2,118,115; May 24.
Schulman, Joseph, New York, N. Y. Cooling system. 2,118,739; May 24.
Schultz, Walter E. (See Hitsman, L. V., and Schultz.)



Schultz, William O., South Milwaukee, and A. G. Steinmayer, Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. Disconnecting fuse switch. 2,118,270; May 24.
Schutte, William J., Paterson, N. J. Cutting attachment. 2,118,740; May 24.
Schwarz, Eugene D., Loraine, Tex. Stalk chopper. 2,118,363; May 24.
Schweitzer, Edmund O., Northbrook, Ill. Electric cooking system. 2,118,116; May 24.
Schwentler, Francis E., assignor to The American Brake Company, St. Louis, Mo. Unit brake structure. 2,118,236; May 24.
Schwitser-Cummins Company. (See Roland, John, assignor.)
Scott, Ray W., assignor to Bendix Home Appliances, Inc., Detroit, Mich. Switch. 2,118,528; May 24.
See, Theodore S., Hammond, Ind., J. E. Tegarden, Calumet City, Ill., and A. Williams, Munster, assignors to Submerged Combustion Company of America, Inc., Hammond, Ind. Submerged combustion burner. 2,118,479; May 24.
Sekella, Youston, assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter drive. 2,118,768; May 24.
Semet-Solvay Engineering Corporation. (See McIntire, Charles V., assignor.)
Semet-Solvay Engineering Corporation. (See McIntire, C. V., and Tiddy, assignors.)
Semet-Solvay Engineering Corporation. (See Tiddy, William, assignor.)
Service Devices, Incorporated. (See Shively, John J., assignor.)
Sevag, Manasseh G., Berlin, Germany. Separating constituents of biologically valuable starting materials. 2,118,117; May 24.
Shannon, John H. (See Sullivan, W. M., and Shannon.)
Sheehan, William M., Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railroad-highway vehicle structure. 2,118,364; May 24.
Shell Development Company. (See Hoogendam, Adriaan M. I., assignor.)
Shell Development Company. (See Janssen, Hendrik J. J., assignor.)
Shell Development Company. (See Schaafsman, Albert, assignor.)
Sherman, Donald W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Automobile frame. 2,118,365; May 24.
Shively, John J., assignor, by mesne assignments, to Service Devices, Incorporated, New York, N. Y. Illuminated sign. 2,118,385; May 24.
Shonle, Horace A., assignor to Eli Lilly and Company, Indianapolis, Ind. Alkanol-ammonium tartrates and making them. 2,118,769; May 24.
Short, Bladen M. (See Jandus, H. S., and Short.)
Siemens & Halske Aktiengesellschaft. (See Deutschmann, Walter, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Keinath, Georg, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Oeding, Wolfgang, assignor.)
Sivertsen, Jens, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Method of and apparatus for determining unbalance in rotatable bodies. 2,118,770; May 24.
Sinko, John, Chicago, Ill. Steering wheel turning device. 2,118,573; May 24.
Slack, Alfred D., and A. A. Young, assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Antistatic photographic film. 2,118,059; May 24.
Slayter, Games, Newark, Ohio, assignor to Owens-Illinois Glass Company. Air filter envelope. 2,118,271; May 24.
Slayter, Games, and H. W. Collins, assignors, by mesne assignments, to Ingleside, Inc., Newark, Ohio. Partition. 2,118,237; May 24.
Sleigh, Herbert L., et al. (See Booth, John H., assignor.)
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Kerf-cutting machine. 2,118,529; May 24.
Smallwood, Hugh M. (See Gerke, R. H., Ganshorn, Howland, and Smallwood.)
Smart, William A. (See Bennion, L. H., and Smart.)
Smith, A. O., Corporation. (See Burgess, Edward W., assignor.)
Smith, A. O., Corporation. (See Sherman, Donald W., assignor.)
Smith, A. O., Corporation. (See Zerbe, Frederick K., assignor.)
Smith, Clifford W., et al., administrators. (See Roberts, Arthur A.)
Smith, Elias A. C., assignor to Guggenheim Brothers, New York, N. Y. Recovery of salts from aqueous solutions. 2,118,272; May 24.
Smith, Emmet O., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Mounting of moldings, etc. 2,118,800; May 24.
Smith, Ernest J., Fleet Street, London, England, assignor to The Goss Printing Press Company, Chicago, Ill. Multicolor rotary proof press. 2,118,238; May 24.
Smith, Floyd L., Los Angeles, Calif. Filing case. 2,118,239; May 24.
Smith, George J., Toronto, Ontario, Canada. Cooking utensil. 2,118,530; May 24.
Smith, John P., Erlton, N. J., assignor to Radio Corporation of America. Method and apparatus for delaying electrical impulses. 2,118,626; May 24.
Smith, Melford B., and E. E. Carlson, assignors of one-fourth to D. A. Sampson, San Francisco, Calif. Burner. 2,118,741; May 24.
Smith, Nellie C., Santa Ana, Calif. Ear protector. 2,118,273; May 24.
Smith, Reginald, et al. (See Eastin, Rollie R., assignor.)
Smith, S. Morgan, Company. (See Smyser, Harry E., assignor.)
Smyser, Harry E., assignor to S. Morgan Smith Company, York, Pa. Movable dam structure. 2,118,118; May 24.
Snyder, George A., West Hollywood, Calif. Blood pressure testing apparatus. 2,118,329; May 24.
Société Anonyme Le Carbone. (See Oppenheim, René, assignor.)
Solvay Process Company, The. (See Lawrence, C. K., and Maude, assignors.)
Somes Howard E., Detroit, Mich. Treating metals or metallic articles. 2,118,480; May 24.
South Bend Toy Mfg. Co. (See Klarke, Joseph, assignor.)
Spang, Joseph P., Quincy, Mass. Meat-slitting machine. 2,118,119; May 24.
Spang, Joseph P., Quincy, Mass. Apparatus for aging whiskey. 2,118,120; May 24.
Sperry Products, Inc. (See Perry, Walter M., assignor.)
Spielvogel, Rudolf J., Chicago, Ill. Punch spout. 2,118,366; May 24.
Spina, Joseph A. (See Marsh, W. J., and Spina.)
Sprague, Robert C. (See Godsey, F. W., Jr., and Sprague.)
Sprague Specialties Company. (See Godsey, F. W., Jr., and Sprague, assignors.)
Spratley, Henry C., Providence, R. I. Sign reflector. 2,118,420; May 24.
Sprole, Robert R., assignor to P. M. Lincoln, Ithaca, N. Y. Thermal responding indicator. 2,118,742; May 24.
Squires, John, Hagerstown, Md. Automatic propeller. 2,118,574; May 24.
Stadler, Josef, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Rendering textile materials substantially resistant to creasing. 2,118,685; May 24.
Standard Oil Company of California. (See Chrisman, Albert M., assignor.)
Standard Sports Mfg. Co. (See Levinson, David, assignor.)
Standard Sports Mfg. Co. (See Peters, Edward B., assignor.)
Stauffer Chemical Company. (See Wieder, Ferd W., assignor.)
Steel Products Engineering Company, The. (See Scholl, Clark, assignor.)
Steen, George E., Walsh, Colo. Door lock. 2,118,481; May 24.
Steiner, Frank G., Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Paper towel dispensing apparatus. 2,118,627; May 24.
Steiner Sales Company. (See Birr, R. G., and Grunwald, assignors.)
Steiner Sales Company. (See Steiner, Frank G., assignor.)
Steinmann, Wilhelm, Berlin-Friedrichshagen, Germany. Apparatus for treating animal material. 2,118,421; May 24.
Steinmayer, Alwin G. (See Schultz, W. O., and Steinmayer.)
Steinmitz, Sebastian, Scranton, Pa. Ash remover. 2,118,575; May 24.
Steudel, Hans, and H. Wiechell, assignors to Junkers Flugzeug-und-Motorenwerke Atkiengesellschaft, Dessau, Germany. Aluminum alloy. 2,118,686; May 24.
Stewart, Carlton D., Swissvale, Pa., and J. B. Hull, Berkeley, Calif., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,118,422; May 24.
Stewart, Robert W., Apalachicola, Fla. Guide setting mechanism. 2,118,743; May 24.
Stone, R. Harry, Bound Brook, and E. F. Tilley, Dunellen, N. J., assignors to Titeflex Metal Hose Co. Finned tube. 2,118,060; May 24.
Strand, August A., Malden, Mass. Thermostat. 2,118,240; May 24.
Streat, Archie J., Richmond, Va. Tile. 2,118,744; May 24.
Stringham, William, Franklin, assignor to The American Rolling Mill Company, Middletown, Ohio. Three-high mill. 2,118,715; May 24.
Studebaker Corporation, The. (See White, Harold S., assignor.)
Stuller, Earl A., assignor to Western Chain Products Co., Chicago, Ill. Emergency tire chain unit. 2,118,576; May 24.
Sturtevant, B. F., Company. (See Bergstrom, Carl O., assignor.)
Submerged Combustion Company of America, Inc. (See See, T. S., Tegarden, and Williams, assignors.)
Sullivan, William M., and J. H. Shannon, Los Angeles, Calif. Handled beer can. 2,118,061; May 24.
Sun Rubber Company, The. (See Lower, Melvin S., assignor.)

Sun Rubber Company, The. (See Nagel, Charles H., assignor.)
Sun Tube Corporation, The. (See Fridén, John H., assignor.)
Sutherland, George. (See Harris, J. C., Jr., and Sutherland.)
Sutter, Theodor, Basel, Switzerland, assignor to Ciba Products Corporation, Dover, Del. Synthetic resin and making same. 2,118,482; May 24.
Sweda, Michael, Youngstown, Ohio. Shielded electrode holder. 2,118,274; May 24.
Swinehart, Carl F., Cleveland, assignor to The Harshaw Chemical Company, Elyria, Ohio. Hydrofluoric acid composition. 2,118,386; May 24.
Symington-Gould Corporation, The. (See Couch, Glenn F., assignor.)
Symons, Loren G., Hollywood, Calif., assignor, by mesne assignments, to Nordberg Manufacturing Company, Milwaukee, Wis. Screen. 2,118,782; May 24.
Sypher, Milford G., Belleville, N. J., assignor to The Chilton Pen Company, Inc., Long Island City, N. Y. Pen desk set. 2,118,241; May 24.
Sywert, Philip T., Wesleyville, Pa., assignor to General Electric Company. Refrigerator cabinet and shelf construction. 2,118,659; May 24.
Tadewald, Albert O., La Crosse, Wis. Automatic feed and vacuum controlling device. 2,118,745; May 24.
Talbot, Ralph H., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing nitrocellulose. 2,118,275; May 24.
Tanning Process Company, The. (See Connor, John H., assignor.)
Tarof, Ernest L., Brooklyn, N. Y., assignor to Keriow Steel Flooring Co., Jersey City, N. J. Grating expansion joint for bridges. 2,118,330; May 24.
Tarof, Ernest L., Brooklyn, N. Y., assignor to Keriow Steel Flooring Co., Jersey City, N. J. Grating traffic guide. 2,118,331; May 24.
Taylor, Muriel J., et al. (See Warham, Robert F., assignor.)
Tear, Harry R., Evanston, assignor to The Lubrication Corporation, Chicago, Ill. Lubricating device. 2,118,267; May 24.
Tegarden, John E. (See, See, T. S., Tegarden, and Williams.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Scharlau, Hans, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
Temple, John C., New York, N. Y. Surfacing machine. 2,118,276; May 24.
Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Furnace. 2,118,121; May 24.
Terres, Ernest, New York, and E. Saegebarth, Long Island City, N. Y., and J. Moos, Berlin-Mariendorf, assignors, by mesne assignments, to Edeleanu Gesellschaft, m. b. H., Berlin, Germany. Solvent treatment of naphthas and the like. 2,118,771; May 24.
Terres, Ernest, New York, and E. Saegebarth, Long Island City, N. Y., and J. Moos, Berlin-Mariendorf, assignors, by mesne assignments, to Edeleanu Gesellschaft, m. b. H., Berlin, Germany. Treatment of hydrocarbons with chromylchloride. 2,118,772; May 24.
Terry, William B. (See Murphy, John J., assignor.)
Thalheimer, Walter J. (See Beers, Roy R., assignor.)
Thévenin, Georges, Longwy, France. Paving device. 2,118,577; May 24.
Thomas, Andrew, Cambridge, Mass., assignor, by mesne assignments, of one-half to North American Holding Corporation, and one-half to Parshad Holding Corporation, Syracuse, N. Y. Filler composition and method of making. 2,118,277; May 24.
Thomas, Idris, Whittier, Calif. Latch for casing cutters and the like. 2,118,242; May 24.
Tidd, Warren H. (See Monk, N., and Tidd.)
Tiddy, William. (See McIntire, C. V., and Tiddy.)
Tiddy, William, assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Making carbureted water gas. 2,118,332; May 24.
Tilley, Edwin F. (See Stone, R. H., and Tilley.)
Timber Engineering Company. (See Landseem, Peter J., assignor.)
Timken Roller Bearing Company, The. (See Bergert, Henry A., assignor.)
Timken Roller Bearing Company, The. (See Ernst, Paul J., assignor.)
Timken Roller Bearing Company, The, et al. (See Newell, H. D., and Fleischmann, assignors.)
Timken Roller Bearing Company, The. (See Proffitt, Russell P., assignor.)
Timmermann, August, New York, N. Y. Variable speed gear with centrifugal control. 2,118,423; May 24.
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Means for ornamenting. 2,118,746; May 24.
Titeflex Metal Hose Co. (See Stone, R. H., and Tilley, assignors.)
Touton, Rush D. (See Wurman, H. P., and Touton.)
Tracy, Charles W. (See Allain, Maximiliano C., and Tracy.)
Trapp, George J., Merton Park, assignor to Automotive Products Company Limited, London, England. Fuel injection pump. 2,118,578; May 24.
Traylor Vibrator Company, The. (See Flint, James A., assignor.)
Trenton Spring Products Company. (See Douglas, John A., assignor.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trinkle, Clarence M., Jr., et al. (See Brinkley, William W., assignor.)
Trinkle, E. Lee, Jr., et al. (See Brinkley, William W., assignor.)
Tropic-Aire Incorporated. (See Will, Carl H., assignor.)
Tropic-Aire, Incorporated. (See Will, C. H., and Fink, assignors.)
Trubenising Process Corporation. (See Kaplan, Morris L., and G., assignors.)
Trubenising Process Corporation. (See Liebowitz, Benjamin, assignor.)
Tucker, Nathaniel G., Brooklyn, N. Y. Hat leather fitting machine. 2,118,278; May 24.
Turner Tanning Machinery Company, The. (See Merenda, Paul V. J., assignor.)
Tyllyer, Jack, Hove, England. Electrical contact target device and a missile. 2,118,368; May 24.
Uncas Manufacturing Company. (See Ahlquist, Arthur A., assignor.)
Underpinning & Foundation Company. (See Lewers, George R., assignor.)
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)
United Aircraft Corporation. (See Parkins, W. A., and Marshall, assignors.)
United American Bosch Corporation. (See Kongsted, Ludvig P., assignor.)
United-Carr Fastener Corporation. (See Churchill, Wilmer H., assignor.)
United-Carr Fastener Corporation. (See Smith, Emmet O., assignor.)
United Drug Company. (See Bowles, J. A. C., and McFarlan, assignors.)
United Engineering & Foundry Company. (See Biggert, Florence C., Jr., assignor.)
United Shoe Machinery Corporation. (See Riley, Francis B., assignor.)
United States Cabinet Bed Co. (See Martin, Joseph, assignor.)
United States Envelope Company. (See Heywood, Vincent E., assignor.)
United States Rubber Company. (See Cadwell, Sidney M., assignor.)
United States Rubber Products, Inc. (See Adamson, Seth, assignor.)
United States Rubber Products, Inc. (See Chittenden, F. D., and Manchester, assignors.)
United States Rubber Products, Inc. (See Gerke, R. H., Ganshorn, Howland, and Smallwood.)
United Wire and Supply Corporation. (See Dittmeyer, Herbert W., assignor.)
Universal Oil Products Company. (See Huff, Lyman C., assignor.)
Van Arsdel, Ernest, Indianapolis, Ind. Auto steering wheel handgrip. 2,118,540; May 24.
Vancil, Edgar D., assignor to Cincinnati, Grinders Incorporated, Cincinnati, Ohio. Machine for grinding laminated articles. 2,118,309; May 24.
Van der Pol, Balthasar, and K. Posthumus, Eindhoven, Netherlands, assignors to Radio Corporation of America. Amplifying system. 2,118,122; May 24.
Van Ranst, Cornelius W., assignor to Packard Motor Car Company, Detroit, Mich. Valve tappet. 2,118,579; May 24.
Van Veen, Anton, West Hartford, assignor to American Machine & Foundry Company. End slice mechanism. 2,118,531; May 24.
Veco Corporation. (See Vensie, Frederick M., assignor.)
Vensie, Frederick M., Philadelphia, Pa., assignor to Veco Corporation. Builder's clip. 2,118,243; May 24.
Versoy, Irving R. (See Loeffel, L. H., and Versoy.)
Vest, Berford C., Llano, Tex. Geometrical instrument. 2,118,747; May 24.
Vigren, Sten D., Stockholm, Sweden, and H. Rost, Mexico, D. F., Mexico. Arrangement relating to telephone, telegraph, and signal systems. 2,118,279; May 24.
Von Gernet, Hans J. M., Pretoria, Union of South Africa. Gravity impact roller mill. 2,118,628; May 24.
Vulcan Alloy Corporation. (See de Golyer, Anthony G., assignor.)
Wager, Robert H., Maplewood, N. J. Smoke inspection device. 2,118,716; May 24.
Wagner, George B., assignor to F. R. Mullin, Winchester, Mass. Refrigerating apparatus. 2,118,580; May 24.
Waldron, Richard C., Clifton, assignor to The Okonite Company, Passaic, N. J. Electric cable. 2,118,629; May 24.
Waldron, Richard C., Clifton, assignor to The Okonite Company, Passaic, N. J. Electric cable. 2,118,630; May 24.
Walker, George L., Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Torch. 2,118,447; May 24.
Wallace, Charles F., Westfield, assignor to Wallace & Tierman Products, Inc., Belleville, N. J. Circuit-controlling mechanism. 2,118,687; May 24.





Wallace, John F., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock absorber for airplanes. 2,118,455; May 24.
Wallace, Robert H., and E. Riemenschneider, Lakewood, assignors to The Midland Steel Products Company, Cleveland, Ohio. Making automobile frames. 2,118,448; May 24.
Wallace & Tiernan Products, Inc. (See Wallace, Charles F., assignor.)
Walsh, William L. (See Milas, N. A., and Walsh.)
Wantz, Julius B., Oak Park, and J. J. Grobe, Chicago, Ill., assignors to General Electric X-Ray Corporation. Serial roentgenogram apparatus. 2,118,440; May 24.
Wappler, Frederick C., New York, N. Y. Catheter stylet. 2,118,631; May 24.
Ward, John R. H. (See Loucks, G. C., and Ward.)
Ward Leonard Electric Company. (See Logan, Frank G., assignor.)
Wardwell Braiding Machine Company. (See Bardsley, Willard W., assignor.)
Warham, John R., et al. (See Warham, Robert F., assignor.)
Warham, Robert F., assignor to J. R. Warham, Oakland, and M. J. Taylor, Berkeley, Calif. Bubble blower. 2,118,748; May 24.
Watanabe, Yoshito, Kinukake-cho, Suma-ku, Kobe, Japan. Relay system for measuring the time of the continuous flow of an electric current. 2,118,424; May 24.
Watts, Charles E., et al. (See Hailey, Sam W., assignor.)
Watts, William H., et al. (See Hailey, Sam W., assignor.)
Watts, William S., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,118,123; May 24.
Weaver, May, Lakewood, Ohio. Lamp. 2,118,749; May 24.
Webster, William R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Yellow brass pipe alloy. 2,118,688; May 24.
Weeks, Edward M. (See Weeks, Robert W., assigner.)
Weeks, Robert W., West Chester, Pa., assignor to E. M. Weeks, Washington, D. C. Electric power plant. 2,118,124; May 24.
Wells, Franklin H., assignor to Bendix Products Corporation, South Bend, Ind. Switch. 2,118,125; May 24.
Welsh, George L., Dixon, Ill. Belt connecter. 2,118,750; May 24.
Wessblad, Karl A., H. E. A. Göth, and J. O. Naucler, assignors to Industriaktiebolaget, Stockholm, Sweden. Treating fermenting liquids. 2,118,370; May 24.
Western Chain Products Co. (See Stuller, Earl A., assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Bush, Rankin J., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Jados, Walter T., assignor.)
Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)
Westinghouse Air Brake Company, The. (See Stewart, C. D., and Hull, assignors.)
Westinghouse Electric & Manufacturing Company et al. (See Bradshaw, W. M., and Johansson, assignors.)
Westinghouse Electric & Manufacturing Company. (See Johnson, Herbert M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Luts, Edward H., assignor.)
Wetherill, Lynn, Pittsfield, Mass., assignor to General Electric Company. Transformer load indicator. 2,118,660; May 24.
Wettlaufer, Jules L., Belmont, assignor to The Patent and Licensing Corporation, Boston, Mass. Building material. 2,118,632; May 24.
Whedon, Le Grand S., Medina, N. Y. Braced seat back. 2,118,456; May 24.
Whedon, Le Grand S., Medina, N. Y. Seat back adjusting device. 2,118,690; May 24.
Whedon, Le Grand S., and A. A. Grinnell, assignors, by mesne assignments, to Le Grand S. Whedon, Medina, N. Y. Automobile seat. 2,118,689; May 24.
White, Abraham, Jamaica Plain, Mass., and N. Labovich, Brooklyn, N. Y. Machine for spot-treating multiple fabric layers. 2,118,718; May 24.
White, Byron E., assignor to Globe Casket Manufacturing Co., Kalamazoo, Mich. Paper covered casket. 2,118,717; May 24.
White, Harold S., assignor to The Studebaker Corporation, South Bend, Ind. Internal combustion engine. 2,118,633; May 24.
Widmann, Eugene A., New York, N. Y. Syphon system. 2,118,532; May 24.
Wiechell, Heinz. (See Steudel, H., and Wiechell.)
Wieder, Ferd W., Berkeley, Calif., assignor to Stauffer Chemical Company. Production of sulphur dioxide. 2,118,333; May 24.
Will, Carl H., assignor to Tropic-Aire Incorporated, Minneapolis, Minn. Deflector for automobile heaters. 2,118,282; May 24.
Will, Carl H., and H. W. Fink, assignors to Tropic-Aire, Incorporated, Minneapolis, Minn. Automobile heater. 2,118,281; May 24.
Willetts, Paul G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method and apparatus for making glass. 2,118,799; May 24.
Williams, Arthur. (See T. S. Tegarden, and Williams.)
Williams, Villor P., Baltimore, Md. Book matches advertising medium. 2,118,634; May 24.
Wilson, Clare E., Sparta, Mich. Process and machine for drying beans. 2,118,334; May 24.
Wilson, Harold D. (See Birdseye, C., Wilson, and Heath.)
Wilson, William, Salt Lake City, Utah. Registration card holder. 2,118,280; May 24.
Winslow, Catherine B. (See Winslow, Charles A., assignor.)
Winslow, Charles A., assignor to C. B. Winslow, Oakland, Calif. Lubricating system for internal combustion engine. 2,118,283; May 24.
Winthrop Chemical Company. (See Jensch, Heinrich, assignor.)
Wirthsen Associates, Inc. (See Larsen, Louis G., assignor.)
Wise, Solomon, Shaker Heights, Ohio. Lock for bicycles and other purposes. 2,118,126; May 24.
Wölfle, Georg R., Berlin-Pankow, assignor to H. Lindner, Berlin-Wittenau, Germany. Drilling spindle drive for vertical drilling machines. 2,118,387; May 24.
Wolfson, Leon B., Columbus, Ga. Paper cutter. 2,118,751; May 24.
Woodberry, David L., Perryman, Md. Bore-safe fuse. 2,118,042; May 24.
Woodbury, Clifford A., Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electric blasting initiator. 2,118,533; May 24.
Woodman, Charles K., Beverly, Mass., assignor to Huckins Yacht Corporation, Jacksonville, Fla. Indicating device for indicating synchronous operations. 2,118,483; May 24.
Worth Company, The. (See Cardinal, Oliver V., assignor.)
Worthington, Warren, Pittsburgh, Pa. Apparatus for producing sheet material. 2,118,284; May 24.
Wraal, Sverre F., assignor to Ardecor (Products) Limited, London, England. Coating device. 2,118,719; May 24.
Wright, Norman, Sale, England, General Electric Company. Prepayment meter. 2,118,691; May 24.
Wuhle, William A., Chicago, Ill. High speed vehicle. 2,118,127; May 24.
Wurman, Harry P., Brooklyn, N. Y., and R. D. Touton, assignors to Wurton Machine Company, Philadelphia, Pa. Holding means. 2,118,581; May 24.
Wurton Machine Company. (See Wurman, H. P., and Touton, assignors.)
Wustrow, Werner. (See Herold, P. and Wustrow.)
Wyeth, Nathaniel, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Leaf spring. 2,118,584; May 24.
Yardley, Farnham, West Orange, N. J., assignor to Jenkins Bros., New York, N. Y. Handwheel for valves. 2,118,126; May 24.
Yarnall-Waring Company. (See Kinderman, Walter J., assignor.)
Yeider, Harry A., Grand Rapids, Mich., assignor to Automatic Instrument Company. Graphophone or sound reproducing instrument. 2,118,541; May 24.
Yonkers, Edward H. (See Durkee, J. D., and Yonkers.)
Young, Albert A. (See Slack, A. D., and Young.)
Zahodiakin, Victor F., New York, N. Y. Internal combustion engine. 2,118,450; May 24.
Zenith Carburetor Company. (See Black, Jay T., assignor.)
Zenith Carburetor Company. (See Crawford, M. O., and Heftler, assignors.)
Zenlea, Benjamin J., Ozone Park, assignor to Rockwood & Co., Brooklyn, N. Y. Treatment of cocoa products. 2,118,129; May 24.
Zerbe, Frederick K., Waukesha, assignor to A. O. Smith Corporation, Milwaukee, Wis. Making a welded spherical vessel. 2,118,388; May 24.
Zimarik, Louis, assignor to The Prosperity Company Inc., Syracuse, N. Y. Laundry washing machine. 2,118,582; May 24.
Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co., North Chicago, Ill. Cylinder surfacing tool. 2,118,720; May 24.
Zingman, Samuel, Brooklyn, N. Y. Combination lock and chain. 2,118,635; May 24.
Zublin, John A., Los Angeles, Calif. Drill bit. 2,118,542; May 24.
Zumbusch, Wilhelm, assignor to Deutsche Edelstahlwerke Aktiengesellschaft, Krefeld, Germany. Composite permanent magnets of mixed comminuated alloys. 2,118,285; May 24.

# LIST OF REISSUE INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 24TH DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alcohol. Manufacture of ethyl. F. J. Metzger. Re. 20,739; May 24.
Alcohol, Producing isopropyl. F. J. Metzger. Re. 20,738; May 24.
Brake mechanism. B. A. Barrett and G. E. Perreault. Re. 20,733; May 24.
Electrical regulation. F. J. Champlin. Re. 20,734; May 24.
Hook, Off-center switch. F. V. Kehl. Re. 20,737; May 24.
Hydrocarbons, Treating. E. E. Stewart. Re. 20,740; May 24.
Pipe, Subdrainage. D. B. Dimick. Re. 20,736; May 24.
Radiant energy, Amplification of. J. J. Daley. Re. 20,735; May 24.
Razor, Safety. E. Wilson. Re. 20,741; May 24.

# LIST OF DESIGN INVENTIONS

Billfold. L. A. Mueller. 109,815; May 24.
Blanket, Baby. D. E. Ford. 109,830; May 24.
Bottle. F. Klots. 109,846; May 24.
Bottle. A. I. Lorenzen. 109,843; May 24.
Box for a finger nail pencil or similar article. P. S. Hanton. 109,845; May 24.
Bracelet or similar article. W. W. Hobe. 109,804; May 24.
Building front. R. P. Freeman. 109,801; May 24.
Cabinet, Display. C. F. Simms. 109,818; May 24.
Carpet or similar article. W. O. Dewsbury. 109,827; May 24.
Case, Cigarette. A. Melone. 109,850; May 24.
Casing, Vacuum cleaner. F. L. Vernon. 109,824; May 24.
Chain and skirt guard, Combined. J. R. Morgan. 109,814; May 24.
Clock. R. V. Kohn. 109,847; May 24.
Coat. I. Cohen. 109,798; May 24.
Coat. S. H. Dick. 109,829; May 24.
Coin holder or similar article. P. S. Steward. 109,822; May 24.
Cover for a compact box. G. Gamble. 109,802; May 24.
Cove strip, Decorative. G. K. Geerlings. 109,843; May 24.
Doll, Paper. Priscilla and Prudence Burg. 109,797; May 24.
Dress. H. Berry. 109,839; May 24.
Dress. R. Feintuck. 109,859; May 24.
Dress. T. M. Fritz. 109,832; May 24.
Dress. C. B. Harriss. 109,844; May 24.
Dress. B. C. Kalish. 109,835; May 24.
Dress. B. C. Kalish. 109,853–6; May 24.
Dress. M. Sobelman. 109,837; May 24.
Dress. V. Tomshinsky. 109,857; May 24.
Dress. J. Tuman. 109,862; May 24.
Dress ensemble. A. Cohen. 109,841; May 24.
Dress ensemble. P. Schlessel. 109,860; May 24.
Dress ensemble. J. Tuman. 109,858; May 24.
Dress ensemble. J. Tuman. 109,861; May 24.
Dress ensemble. J. Tuman. 109,863; May 24.
Duplicating machine. W. A. Kropp. 109,812; May 24.
Fabric, Elastic textile. I. Weisberger. 109,864; May 24.
Fabric or similar article, Textile. L. Franklin. 109,831; May 24.
Film rewind. A. E. Gavin. 109,803; May 24.
Fur and fabric whipping apparatus, Combination. C. M. McCarthy. 109,849; May 24.
Game device. C. C. Tiedemann. 109,823; May 24.
Grater. W. Baring. 109,794; May 24.
Jack, Lifting. M. S. Merrill. 109,852; May 24.
Lamp. J. E. Alcott. 109,838; May 24.
Lamp. R. Cavaleri. 109,840; May 24.
Lamp and clock, Combination. F. D. Jones, Jr. 109,811; May 24.
Leather or similar article. S. Galper. 109,833; May 24.
Lighting fixture or similar article. L. L. Stewart. 109,854; May 24.
Nail, Decorative. J. Jacobs. 109,806–10; May 24.
Ottoman. A. Brenner. 109,796; May 24.
Pencil tip. H. J. Roth. 109,816–7; May 24.
Plate for mold for hard rubber goods. B. W. Meredith. 109,851; May 24.
Ring, Finger. A. R. Foss. 109,800; May 24.
Scale or article of similar nature, Weighing. T. B. Flanagan. 109,799; May 24.
Scooter footboard. S. A. Snell. 109,820; May 24.
Shirt. B. Bratman and W. Stechel. 109,828; May 24.
Slipper. A. Rosenberg. 109,853; May 24.
Spoon. A. C. Brannock. 109,795; May 24.
Sterilizer-holder, Toothbrush. R. P. Hockenberger. 109,805; May 24.
Stocking. J. May. 109,836; May 24.
Sweater. E. I. Itskowitz and L. Greenstein. 109,834; May 24
Table, Billiard. C. A. Wendt. 109,825; May 24.
Throne, Religious. C. D. Cole. 109,842; May 24.
Velocipede deck plate. B. J. Anderson. 109,826; May 24.
Velocipede frame member. S. A. Snell. 109,819; May 24.
Velocipede frame member. S. A. Snell. 109,821; May 24.
Washing machine and wringer, Combined. J. R. Morgan. 109,813; May 24.



# LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 24TH DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive assembly. J. E. Loewy. 2,118,409; May 24.
Accordion, Piano. C. E. Barber. 2,118,545; May 24.
Adjustable table. A. Orsenigo. 2,118,620; May 24.
Aerial systems for use on short waves, Construction of. N. E. Davis and F. J. Ainsley. 2,118,396; May 24.
Air conditioner, Unit. A. Gudmundsen. 2,118,044; May 24.
Air conditioning unit. J. Roland. 2,118,328; May 24.
Aircraft. A. C. Loedding. 2,118,254; May 24.
Aircraft, Parachute equipped. S. W. Hailey. 2,118,603; May 24.
Airplane. R. F. Hall. 2,118,705; May 24.
Alarm, Compass. J. H. Hammond, Jr. 2,118,082; May 24.
Alarm, water column. W. J. Kinderman. 2,118,311; May 24.
Alcoholic liquids adapted for human consumption, Ameliorating. C. G. Lehr. 2,118,040; May 24.
Alkoxy alkanol esters, Long chain. G. D. Graves. 2,118,506; May 24.
Alkylanilinemonosulphonic acids and their manufacture. S. Coffey and N. H. Haddock. 2,118,496; May 24.
Alloy: *See*—
Aluminum alloy. Brass pipe alloy.
Aluminum alloy. H. Steudel and H. Wiechell. 2,118,686; May 24.
Amplifying system. B. van der Pol and K. Posthumus. 2,118,122; May 24.
Aniline derivatives, Manufacture of. S. Coffey and N. H. Haddock. 2,118,493; May 24.
Antenna. W. S. Duttera. 2,118,429; May 24.
Antiseptic products. J. S. Pierce. 2,118,225; May 24.
Antiskid device for shoes. E. W. Hart. 2,118,778; May 24.
Applicator, Liquid cosmetic. W. C. Hand. 2,118,083; May 24.
Arm grip table. S. A. Brockway. 2,118,151; May 24.
Arrangement relating to telephone, telegraph, and signal systems. S. D. Vigren and H. Rost. 2,118,279; May 24.
Articles of intricate design and a product thereof, Casting. T. G. Jungersen. 2,118,468; May 24.
Ash remover. S. Steinmitz. 2,118,575; May 24.
Auto top, Movable. L. B. Pendleton. 2,118,520; May 24.
Automobile frame. D. W. Sherman. 2,118,365; May 24.
Automobile headlining. J. H. Mackay. 2,118,563; May 24.
Automobile heater. C. H. Will and H. W. Fink. 2,118,281; May 24.
Automobile seat. L. S. Whedon and A. A. Grinnell. 2,118,589; May 24.
Bag, coffee bag, and the like, and making the same, Tea. R. N. Doble. 2,118,551; May 24.
Baller. P. Cavina. 2,118,458; May 24.
Ball, Blow. J. Klug. 2,118,609; May 24.
Ball, Inflatable. D. Levinson. 2,118,315; May 24.
Ball, Inflatable. E. B. Peters. 2,118,325; May 24.
Band, Clamping. R. L. Boggs. 2,118,723; May 24.
Band for hats, Sweat. S. Adamson. 2,118,583; May 24.
Barley polisher or pearler. J. E. Johnson. 2,118,309; May 24.
Basin liner damming machine. W. H. Doonan. 2,118,462; May 24.
Beans, Process and machine for drying. C. E. Wilson. 2,118,334; May 24.
Bearing: *See*—
Lubricated axle bearing. Roller bearing.
Bearing parts, Apparatus for use in effecting adjustments of roller. H. A. Bergert. 2,118,756; May 24.
Bearing puller. H. A. Bergert. 2,118,754; May 24.
Beds, Attachment for invalid. E. Marsano. 2,118,261; May 24.
Belt connecter. G. I. Welsh. 2,118,750; May 24.
Benzene compounds useful as film-strengthening agents for lubricants and producing them, Chlorinated. W. J. Marsh and J. A. Spina. 2,118,214; May 24.
Beverage cooling and dispensing bar. G. Christo. 2,118,724; May 24.
Billboard. J. Asanger. 2,118,543; May 24.
Bimetallic sealing device. O. W. Ellis. 2,118,299; May 24.
Bin, Rotatable. A. W. Mueller. 2,118,444; May 24.
Bit: *See*—
Core bit. Drill bit.
Blade sharpening machine. W. W. Hartman. 2,118,197; May 24.
Blind or shade, Collapsible. C. F. Allison. 2,118,134; May 24.
Block: *See*—
Glass building block.
Blood pressure testing apparatus. G. A. Snyder. 2,118,329; May 24.
Bodies, Method of and apparatus for determining unbalance in rotatable. J. Sivertsen. 2,118,770; May 24.
Bomb sighting device. G. L. Estoppey. 2,118,041; May 24.
Book matches advertising medium. V. P. Williams. 2,118,634; May 24.
Bootleg, Railway. H. L. Bone. 2,118,148; May 24.
Boring apparatus, Rotary. R. H. D. Challacombe. 2,118,490; May 24.
Bottle capping machine. E. N. Lowry. 2,118,710; May 24.
Bottle filling apparatus. J. Kantor. 2,118,436; May 24.
Box: *See*—
Journal box.
Bracket: *See*—
Thread cleaner bracket.
Brake: *See*—
Clasp brake. Fluid pressure brake.
Electric and pneumatic brake. Vehicle brake.
Brake. D. L. Gallup. 2,118,188; May 24.
Brake. C. Press. 2,118,106; May 24.
Brake application, Railway. J. E. Lynskey. 2,118,316; May 24.
Brake control means. B. S. Aikman. 2,118,390; May 24.
Brake device, Fluid pressure. C. C. Farmer. 2,118,398; May 24.
Brake structure, Unit. F. E. Schwentler. 2,118,236; May 24.
Brake switch device. R. J. Bush. 2,118,427; May 24.
Brass pipe alloy, Yellow. W. R. Webster. 2,118,688; May 24.
Brassière. R. L. Klin. 2,118,406; May 24.
Brassière and girdle, Combination. M. L. Davis. 2,118,592; May 24.
Brick cutting machine. H. Filippi. 2,118,552; May 24.
Broom or rake. I. Satake. 2,118,235; May 24.
Bubble blower. R. F. Warham. 2,118,748; May 24.
Builder's clip. F. M. Venzie. 2,118,243; May 24.
Building construction. H. Griesel. 2,118,193; May 24.
Building construction. R. W. McLaughlin, Jr. 2,118,218; May 24.
Bung. C. Kranz. 2,118,314; May 24.
Burner: *See*—
Oil burner.
Submerged combustion burner.
Burner. M. B. Smith and E. E. Carlson. 2,118,741; May 24.
Cabinet and shelf construction, Refrigerator. P. T. Sywert. 2,118,659; May 24.
Cable: *See*—
Electric cable.
Cable connecter. B. Dibner. 2,118,666; May 24.
Cable connecter and support. W. Oeding. 2,118,103; May 24.
Calculating machine. T. M. Butler. 2,118,588; May 24.
Calendar, Catamenial. E. E. Mansur. 2,118,354; May 24.
Calculator. R. P. Ball. 2,118,773; May 24.
Can: *See*—
Handled beer can.
Cap and spout for liquid dispensing containers, Combined. O. G. Nilson. 2,118,222; May 24.
Car loading device. O. V. Cardinal. 2,118,030; May 24.
Carburetor. T. Brodersen and W. C. Dunn. 2,118,038; May 24.
Carburetor. H. W. Meade. 2,118,516; May 24.
Carburetor. F. C. Mock. 2,118,220; May 24.
Carpet seam. E. C. Pitman. 2,118,522; May 24.
Carriages and the like, Arrangement in bogie for railway. J. S. Fries. 2,118,345; May 24.
Carrier. C. H. McKinney. 2,118,711; May 24.
Carrier wave transmitter, Modulated. W. T. Ditcham. 2,118,172; May 24.
Carton. S. E. Butler. 2,118,488; May 24.
Cartridge, Valve and packing. R. V. Ford. 2,118,300; May 24.
Case: *See*—
Filing case.
Casing head and Christmas tree, Combination. J. M. McDonough and G. A. Humason. 2,118,094; May 24.
Casket, Paper covered. B. E. White. 2,118,717; May 24.
Catheter stylet. F. C. Wappler. 2,118,631; May 24.
Cellulose ether purification. R. R. Bradshaw. 2,118,664; May 24.
Cellulose ethers, Purification of. R. R. Bradshaw. 2,118,663; May 24.
Cellulose, Manufacture of. H. Dreyfus. 2,118,039; May 24.
Cellulose, Manufacture of. H. Dreyfus. 2,118,074; May 24.

Center. D. A. Gegenheimer and J. J. Kirby. 2,118,301; May 24.
Chair: *See*—
Lawn chair.
Chair. T. E. Heinritz. 2,118,509; May 24.
Changeable letter sign. D. Bonetti. 2,118,696; May 24.
Charting device. A. R. Jackson. 2,118,675; May 24.
Child's vehicle. B. Bergen. 2,118,640; May 24.
Chopper, Stalk. E. D. Schwarz. 2,118,363; May 24.
Chuck, Adjustable depth. F. R. Brown. 2,118,485; May 24.
Churn. E. A. Hornbostel. 2,118,306; May 24.
Cigarette. R. F. May. 2,118,783; May 24.
Cigarette catcher. G. W. Gwinn and J. W. Leary. 2,118,506; May 24.
Circuit: *See*—
Control circuit. Grid detector circuit.
Electric control circuit. Tone control circuit.
Gain control circuit.
Circuit breaker. G. C. Matthews. 2,118,355; May 24.
Circuit-controlling mechanism. C. F. Wallace. 2,118,687; May 24.
Circuit interrupting device, Electric. B. R. Hermann. 2,118,646; May 24.
Clamp: *See*—
Davenport clamp. Hat block clamp.
Clasp brake. W. H. Baselt. 2,118,753; May 24.
Clasp, Garment. M. A. Pallas. 2,118,475; May 24.
Clays, Treating oil-decolorizing. H. L. Kauffman. 2,118,310; May 24.
Cleat for vehicle wheels. J. H. Schlenter. 2,118,269; May 24.
Clip: *See*—
Builder's clip. Index clip.
Clip and brooch, Combination. A. Bayardi. 2,118,639; May 24.
Clock, Alarm. H. Junghans. 2,118,203; May 24.
Clock, Radio. W. V. Roberts. 2,118,109; May 24.
Closure of glassware forming mold, Bottom. G. E. Howard. 2,118,793; May 24.
Closure structure, Knockdown. M. S. Gibson and R. W. Lotz. 2,118,032; May 24.
Clothes drier. J. E. Chestnutt. 2,118,786; May 24.
Clutch: *See*—
Pulley clutch.
Clutch control mechanism. H. W. and E. R. Price. 2,118,226; May 24.
Clutch control mechanism. W. S. Watts. 2,118,123; May 24.
Coated fabric. E. H. Nollau and D. A. Rankin. 2,118,101; May 24.
Coating compositions and preparing same. R. T. Hucks. 2,118,511; May 24.
Coating device. S. F. Wraal. 2,118,719; May 24.
Coating on aluminum. J. W. Newsome. 2,118,053; May 24.
Coatings on aluminum. J. W. Newsome. 2,118,055; May 24.
Cock, Gas. E. W. Roberts. 2,118,232; May 24.
Cocoa products, Treatment of. B. J. Zenlea. 2,118,129; May 24.
Coffee beverages, Carbonated. D. Fronmuller and F. M. Boyles. 2,118,184; May 24.
Coin control for bowling alleys. L. F. Hehn. 2,118,303; May 24.
Coin detecting device for slot machines. T. Bibicos. 2,118,425; May 24.
Collapsible tube holder. W. C. Craig. 2,118,725; May 24.
Collar. M. L. and G. Kaplan. 2,118,408; May 24.
Collars and lapels of coats, Apparatus for pressing the. C. DeMarco. 2,118,031; May 24.
Coloring medium. A. E. Gessler. 2,118,432; May 24.
Combination lock. M. Schnur. 2,118,478; May 24.
Compressor control. E. E. Hewitt. 2,118,403; May 24.
Combustion chamber for internal combustion engines with ignition by compression. R. Cobell. 2,118,341; May 24.
Combustion chamber for internal combustion engines, Auxiliary. G. L. Riley. 2,118,058; May 24.
Combustion device. W. W. Peck. 2,118,104; May 24.
Combustion, Method and apparatus for. M. Frisch. 2,118,600; May 24.
Compact. I. Bloom. 2,118,066; May 24.
Compass controlled switch. O. Neubert, Jr. 2,118,265; May 24.
Compressor control device. B. S. Aikman. 2,118,130; May 24.
Condenser: *See*—
Variable condenser.
Connecter: *See*—
Belt connecter. Cable connecter.
Connecter. T. C. Green. 2,118,670; May 24.
Connection, Separable electric. B. E. Kunkle. 2,118,562; May 24.
Constituents of biologically valuable starting materials, Separating. M. G. Sevag. 2,118,117; May 24.
Container: *See*—
Dispensing container.
Container and cover therefor, Paper. K. Clark. 2,118,591; May 24.
Container and holder, Display. J. Guttman. 2,118,507; May 24.
Container for moisture containing materials, Nonfogging. L. L. McGrady and C. G. Rittenhouse. 2,118,262; May 24.
Control circuits. S. Doba, Jr. 2,118,175; May 24.
Control device. N. E. G. Meijer. 2,118,654; May 24.
Control device for storage batteries. E. T. Hanson and J. C. Amell. 2,118,558; May 24.
Conveyer. A. Hoefleur. 2,118,348; May 24.
Conveyer for hot bottles. E. R. Odom. 2,118,736; May 24.
Conveying apparatus. H. G. Hague. 2,118,195; May 24.
Cooking system, Electric. E. O. Schweitzer. 2,118,116; May 24.
Cooling system. J. Schulman. 2,118,739; May 24.
Cooling unit, Tinned type. R. W. Kritzer and A. F. Hoesel. 2,118,206; May 24.
Cord take-up, Electric. H. Knett. 2,118,731; May 24.
Core bit. C. A. Dean. 2,118,897; May 24.
Corner construction. H. Finke. 2,118,598; May 24.
Cosmetic, Buffered. G. D. Miles. 2,118,566; May 24.
Cosmetic holder. G. C. Fullmer. 2,118,399; May 24.
Couch bed. J. Martin. 2,118,050; May 24.
Count of stitches in hand knitting, Indicating and maintaining a. N. F. Luther. 2,118,210; May 24.
Counter molding machine. L. H. Bennion and W. A. Smart. 2,118,393; May 24.
Coupler for rotary well drills. C. B. Holt. 2,118,350; May 24.
Coupling: *See*—
Universal coupling.
Coupling for coal worm sections. E. B. Birkenbeuel. 2,118,289; May 24.
Cover: *See*—
Tire cover.
Cover for food pans, Sanitary. P. Mirk. 2,118,099; May 24.
Crankpins and the like, Process and apparatus for mounting. H. A. Bergert. 2,118,755; May 24.
Crankshaft milling machine. N. M. Marsilius. 2,118,260; May 24.
Cross frame member. R. H. Maddock. 2,118,257; May 24.
Curler, Hair. H. H. Klein. 2,118,312; May 24.
Culture device. H. T. Prescott. 2,118,684; May 24.
Curler, Hair. C. W. Renstrom. 2,118,737; May 24.
Cutter: *See*—
Paper cutter.
Cutting attachment. W. J. Schutte. 2,118,740; May 24.
Cutting machine. J. P. Crowley and C. B. Schafer. 2,118,170; May 24.
Cylinder surfacing tool. H. W. Zimmerman. 2,118,720; May 24.
Dam structure, Movable. H. E. Smyser. 2,118,118; May 24.
Dampening mechanism for printing presses. A. B. Mitchell. 2,118,517; May 24.
Damper. C. B. Anderson. 2,118,752; May 24.
Dauber, Shoe. H. R. MacMichael. 2,118,051; May 24.
Davenport clamp. H. A. Green. 2,118,379; May 24.
Deflector for automobile heaters. C. H. Will. 2,118,282; May 24.
Demagnetising. F. B. Doane. 2,118,174; May 24.
Denture construction. J. F. Giffen. 2,118,555; May 24.
Desk, Knock-down. B. H. Richardson. 2,118,525; May 24.
Device for applying sealing wax. J. Pesark. 2,118,415; May 24.
Device for posture study. L. H. Loeffel and I. R. Versoy. 2,118,092; May 24.
Device for posture study. G. McCue. 2,118,093; May 24.
Device for preventing skidding. E. P. Eastwick, Jr. 2,118,776; May 24.
Device for shielding a spark plug and for conducting current thereto. T. C. Green. 2,118,673; May 24.
Di (aminoquinonyl-6)-ureas, Symmetrical. H. Jensch. 2,118,244; May 24.
Die for ornamenting shoe-upper parts, Cutting. S. E. Rosenberg. 2,118,110; May 24.
Dielectric. L. Domenach. 2,118,667; May 24.
Differential pressure control. M. F. Booth. 2,118,292; May 24.
Direction and position indicator for motor vehicles. H. Hohmann. 2,118,559; May 24.
Disc rolling apparatus. A. B. Pearson. 2,118,224; May 24.
Disconnecting fuse switch. W. O. Schultz and A. G. Steinmayer. 2,118,270; May 24.
Disease, Apparatus for testing pullorum. L. V. Hitsman and W. E. Schultz. 2,118,306; May 24.
Dispenser for ice cream cones. F. W. Mimee. 2,118,321; May 24.
Dispensing container. E. J. Goerits and B. A. Meyer. 2,118,346; May 24.
Display apparatus. H. M. Alexander. 2,118,131; May 24.
Display structure. M. J. Baldwin. 2,118,135; May 24.
Distance measuring system. G. Neumann. 2,118,518; May 24.
Diaper pad. E. D. Crouse. 2,118,169; May 24.
Dispensing device. W. L. Buedingen. 2,118,154; May 24.
Doll construction. M. S. Lower. 2,118,677; May 24.
Doll, Rubber. C. H. Nagel. 2,118,682; May 24.
Door: *See*—
Neat door.
Door lock. G. E. Steen. 2,118,481; May 24.
Dough mixing machine. L. Ferenci. 2,118,500; May 24.
Draft rigging. W. W. Brinkley. 2,118,150; May 24.





Drawer, Cash. C. F. Mellink. 2,118,382; May 24.
Drier: *See*—
Clothes drier.
Drier furnace. H. C. French and H. C. Frentzel, Jr. 2,118,502; May 24.
Drill: *See*—
Rock drill.
Drill bit. J. A. Zublin. 2,118,542; May 24.
Drilling spindle drive for vertical drilling machines. G. R. Wölfle. 2,118,387; May 24.
Dry vapor generator. A. H. B-Roberts. 2,118,327; May 24.
Drying methods and apparatus. H. Flügel. 2,118,078; May 24.
Duplicating rooting machine. C. H. Johnson. 2,118,514; May 24.
Dyes and manufacturing the same, Azo. E. Baumann. 2,118,661; May 24.
Dyestuffs and their production, Monoazo. A. H. Knight and H. A. Piggott. 2,118,028; May 24.
Ear protector. N. C. Smith. 2,118,273; May 24.
Eggs for incubation, Method and apparatus for determining fertility of. D. F. King. 2,118,794; May 24.
Electric and pneumatic brake, Combined. J. C. McCune. 2,118,412; May 24.
Electric blasting initiator. C. A. Woodbury. 2,118,533; May 24.
Electric cable. R. C. Waldron. 2,118,629–30; May 24.
Electric cable, Fluid impregnated. F. L. Aime. 2,118,584; May 24.
Electric control circuit. G. W. Garman. 2,118,644; May 24.
Electric controlling apparatus. F. G. Logan. 2,118,440; May 24.
Electric cut-out. E. A. Harty. 2,118,645; May 24.
Electric ignition generator. L. P. Kongsted. 2,118,313; May 24.
Electric lamp. C. J. Le Bel. 2,118,452; May 24.
Electric motor. C. O. Bergstrom. 2,118,757; May 24.
Electric valve. D. H. McCorkle. 2,118,443; May 24.
Electrical connecter device. H. M. Johnson. 2,118,607; May 24.
Electrical contact target device and a missile. J. Tyllyer. 2,118,368; May 24.
Electrical discharge apparatus. R. R. Chamberlin. 2,118,162; May 24.
Electrical unit and fastener member for the same. W. H. Churchill. 2,118,665; May 24.
Electrode for electric discharge tubes. C. F. Miller. 2,118,705; May 24.
Electromagnetic translating device. J. M. Kendall. 2,118,605; May 24.
Embalming machine and aspirator. R. B. Grontkowski. 2,118,704; May 24.
Embroidering machine. J. Fink. 2,118,077; May 24.
Embroidery machine for seamless hose, Hand. O. De Cardy. 2,118,786; May 24.
Emulsifier. K. E. McConnaughay. 2,118,616; May 24.
Enamel, White clouded vitreous. I. Kreidl. 2,118,047; May 24.
Enclosure and detachable member, Combined. C. M. Baechle. 2,118,064; May 24.
Engine: *See*—
Internal combustion engine.
Engine control system, Automotive. J. Good. 2,118,401; May 24.
Engine priming means. W. A. Parkins and A. H. Marshall. 2,118,570; May 24.
Engine starter drive. Y. Sebella. 2,118,766; May 24.
Engine with auxiliary piston, Internal combustion. H. Buchwalder. 2,118,153; May 24.
Envelope, Air filter. G. Slayter. 2,118,271; May 24.
Ethyl chloride, Production of. W. Baumann and J. Hirschbeck. 2,118,662; May 24.
Evaporator for refrigerating machines. L. W. Atchison. 2,118,637; May 24.
Envelope, Dry-sealing. V. E. Heywood. 2,118,706; May 24.
Exercising device. W. Schenk. 2,118,114; May 24.
Fabric: *See*—
Coated fabric.
Fabric. R. L. Sayers. 2,118,658; May 24.
Fabric and making the same. F. B. Riley. 2,118,108; May 24.
Fabrics, Decoration of. V. Sallada. 2,118,781; May 24.
Fastener: *See*—
Sliding door fastener.
Tie plate and rail fastener.
Fastener. C. O. Carlson. 2,118,158; May 24.
Feed and vacuum controlling device, Automatic. A. O. Tadewald. 2,118,745; May 24.
Feeder: *See*—
Loom feeder. Poultry feeder.
Feeding mechanism for sawmills. A. J. Corley. 2,118,496; May 24.
Fender skirt, Ornamental. G. A. Lyon. 2,118,256; May 24.
Fender skirt, Ornamental. G. A. Lyon. 2,118,615; May 24.
Fertilisers, Granulation of. C. K. Lawrence and A. H. Maude. 2,118,438; May 24.
Fertilisers, Preparation of. C. K. Lawrence and A. H. Maude. 2,118,439; May 24.
Fiberboards, Burnishing of. W. H. Mason. 2,118,763; May 24.
Filing case. F. I. Smith. 2,118,239; May 24.
Filler composition and method of making. A. Thoma. 2,118,277; May 24.
Film, Antistatic photographic. A. D. Slack and A. A. Young. 2,118,059; May 24.
Film, Color. F. Noack. 2,118,519; May 24.
Films for developing and fixing, Device for holding cut photographic. J. C. Rieger. 2,118,738; May 24.
Finger ring. A. A. Ahlquist. 2,118,335; May 24.
Finned tube. R. H. Stone and E. F. Tilley. 2,118,060; May 24.
Fire extinguisher. F. A. Dodelin. 2,118,593; May 24.
Fire extinguisher. G. E. Ferguson. 2,118,597; May 24.
Firearm. M. A. Browning. 2,118,536; May 24.
Fish gaff, Folding barb. W. S. Blodgett and L. R. Blodgett. 2,118,147; May 24.
Fixture, Store. H. Malott. 2,118,213; May 24.
Flame-producing mechanism. L. V. Aronson. 2,118,692; May 24.
Flax and the like, Process and machine for scutching. C. Decuypere and M. Dujardin. 2,118,071; May 24.
Floors, Supporting spring. J. F. Buckley. 2,118,068; May 24.
Fluid dispensing apparatus. J. H. Cox. 2,118,294; May 24.
Fluid motor, Deep well. C. C. Carlisle. 2,118,547; May 24.
Fluid pressure brake. C. D. Stewart and J. B. Hull. 2,118,422; May 24.
Fluid pressure producing device. J. R. Heidloff. 2,118,604; May 24.
Flux and welding rod, Welding. A. R. Lytle. 2,118,680; May 24.
Fold lines. B. Liebowitt. 2,118,407; May 24.
Food compound. M. C. Allain and C. W. Tracy. 2,118,391; May 24.
Food products from bananas, Securing concentrated. S. A. Karas. 2,118,405; May 24.
Form, Concrete. C. W. Doyle. 2,118,374; May 24.
Frame: *See*—
Automobile frame. Hand weaving frame.
Frames, Making automobile. R. H. Wallace and E. Riemenschneider. 2,118,448; May 24.
Fruit, Drying. E. N. Percy. 2,118,324; May 24.
Fuel injection pump. C. J. Trapp. 2,118,578; May 24.
Fuel, Liquid. A. A. Roberts. 2,118,477; May 24.
Fuel supply to a burner for liquid fuel, Device for the interruption of the. A. M. I. Hoogendam. 2,118,349; May 24.
Furnace: *See*—
Drier furnace.
Furnace. O. A. Johnson. 2,118,086; May 24.
Furnace. P. C. Temple. 2,118,121; May 24.
Furnace control system. A. Macchi. 2,118,651; May 24.
Furnace temperature indicator. E. J. Flynn and J. T. M. Malpica. 2,118,642; May 24.
Furniture, Film. G. S. Diamond. 2,118,641; May 24.
Fuse, Bore-safe. D. L. Woodberry. 2,118,062; May 24.
Gain control circuit, Automatic. W. R. Kock. 2,118,287; May 24.
Game. L. Quinn. 2,118,359; May 24.
Game apparatus. P. Fischer. 2,118,037; May 24.
Game, Bowling. A. E. Page. 2,118,383; May 24.
Garment attachment. H. K. Harrison. 2,118,196; May 24.
Gas compressor. C. A. Bergmann. 2,118,371; May 24.
Gas, Making carbureted water. W. Tiddy. 2,118,332; May 24.
Gas meter. E. E. Bates. 2,118,065; May 24.
Gas, Process and apparatus for making carbureted water. C. V. McIntire. 2,118,095; May 24.
Gas set, Carbureted water. C. V. McIntire and W. Tiddy. 2,118,096; May 24.
Gate: *See*—
Hinged automatic flashboard gate.
Gate and latch, Vehicle operated. J. Bock. 2,118,722; May 24.
Gauge: *See*—
Rain gauge. U-tube gauge.
Gear shaping machine, Throated. E. W. Miller. 2,118,453; May 24.
Gear shifting and locking device. A. Kurti and A. D. Robbins. 2,118,080; May 24.
Gear with centrifugal control, Variable speed. A. Timmermann. 2,118,423; May 24.
Gearing, Draft and buffing. G. E. Edmunds. 2,118,298; May 24.
Generator: *See*—
Dry vapor generator. Thermionic oscillation generator.
Electric ignition generator.
Periodic voltage generator.
Geological explorations, Making. E. V. McCollum. 2,118,441; May 24.
Geometrical instrument. B. C. Vest. 2,118,747; May 24.
Geophysical method of determining geological structures. E. V. McCollum and L. F. Athy. 2,118,442; May 24.
Germicide. S. J. Currie. 2,118,460; May 24.
Glass building block. J. H. Fox. 2,118,643; May 24.
Glass, Continuous process for making sheets of multicellular. R. J. A. Ingouf. 2,118,707; May 24.

Glass, Method and apparatus for making. P. G. Willetts. 2,118,799; May 24.
Glass sheets, Apparatus for use in treating. I. G. Fowler. 2,118,183; May 24.
Glove. A. M. Eden. 2,118,463; May 24.
Golf game device. A. A. Heinselmann. 2,118,084; May 24.
Governor. Hydraulic. G. Keinath. 2,118,248; May 24.
Graphophone or sound reproducing instrument. H. A. Yelder. 2,118,541; May 24.
Grating traffic guide. E. L. Tarof. 2,118,331; May 24.
Grid detector circuit. O. H. Schade. 2,118,111; May 24.
Grid for carding machines. H. O. Hess. 2,118,200; May 24.
Grinder, Track. H. J. Perazzoli. 2,118,621; May 24.
Grinding machine. C. J. Hertlein. 2,118,304; May 24.
Guard, Hydrant. T. Ruggio. 2,118,233; May 24.
Guide setting mechanism. R. W. Stewart. 2,118,743; May 24.
Gumming apparatus for envelope making machines. E. B. Berkowitz. 2,118,035; May 24.
Gun, Spray. O. Hukari. 2,118,194; May 24.
Hand and glove protector. S. N. Sager. 2,118,360; May 24.
Hand weaving frame. C. A. Belash. 2,118,142; May 24.
Handbag or case, Traveling. J. J. Murphy. 2,118,323; May 24.
Handbag with removable cover, Lady's. J. E. Goldberg. 2,118,400; May 24.
Handled beer can. W. M. Sullivan and J. H. Shannon. 2,118,061; May 24.
Handwheel for valves. F. Yardley. 2,118,128; May 24.
Hanger: *See*—
Shade and curtain hanger.
Hanger for trousers and the like. T. F. Dillon. 2,118,342; May 24.
Hasp excluder. W. T. Jadoo. 2,118,435; May 24.
Hat block clamp. M. H. Appel. 2,118,392; May 24.
Hat leather fitting machine. N. G. Tucker. 2,118,278; May 24.
Heat transfer apparatus. C. E. Meyerhoefer. 2,118,263; May 24.
Heater: *See*—
Automobile heater.
Heating and light radiating device, Combination. W. K. Beyer. 2,118,145; May 24.
Heating system and control means therefor. E. J. Dillman. 2,118,759; May 24.
High speed vehicle. W. A. Wulle. 2,118,127; May 24.
Hinge. J. H. Booth. 2,118,149; May 24.
Hinge. H. J. Chapoton. 2,118,163; May 24.
Hinged automatic flashboard gate. C. A. Betts. 2,118,535; May 24.
Hitch, Trailer. B. E. Ricker. 2,118,231; May 24.
Hoe, Power-driven. J. E. Kopperud. 2,118,649; May 24.
Holder: *See*—
Collapsible tube holder.
Cosmetic holder.
Pastel holder.
Registration card holder.
Shielded electrode holder.
Tooth brush holder.
Holder for motor vehicles, Cuspidor. B. F. Blanchard. 2,118,337; May 24.
Holding means. H. P. Wurman and R. D. Touton. 2,118,581; May 24.
Horizon, Artificial. C. M. Holton. 2,118,045; May 24.
Humidifier. F. F. Bahnson. 2,118,695; May 24.
Hydrocarbons, Treatment of. G. V. Atwell. 2,118,288; May 24.
Hydrocarbons with chromylchloride, Treatment of. E. Terres, E. Saegebarth, and J. Moos. 2,118,772; May 24.
Hydrofluoric acid composition. C. F. Swinehart. 2,118,386; May 24.
Hydroxyhydroquinone, Preparing. F. R. Bean. 2,118,141; May 24.
Ice product and making the same. K. T. Orrison. 2,118,796; May 24.
Ignition composition. W. F. Filbert and W. E. Lawson. 2,118,501; May 24.
Illuminated sign. H. C. Hammer. 2,118,777; May 24.
Illuminated sign. J. J. Shively. 2,118,385; May 24.
Image receiving tube. P. T. Farnsworth. 2,118,186; May 24.
Impulse operated system employing glow discharge tubes. E. T. Burton. 2,118,156; May 24.
Impulses, Method and apparatus for delaying electrical. J. P. Smith. 2,118,626; May 24.
Impulses, Recording. L. T. Sachtleben. 2,118,622; May 24.
Incineration. G. R. Lewers. 2,118,208; May 24.
Index clip. L. H. Goza. 2,118,043; May 24.
Indicating device for indicating synchronous operations. C. K. Woodman. 2,118,483; May 24.
Indicator: *See*—
Furnace temperature indicator.
Thermal responding indicator.
Transformer load indicator.
Insulator. J. T. Littleton. 2,118,795; May 24.
Internal combustion engine. C. L. Johnson. 2,118,761; May 24.
Internal combustion engine. W. A. Maynard. 2,118,319; May 24.
Internal combustion engine. H. S. White. 2,118,633; May 24.
Internal combustion engine. V. F. Zahodiakin. 2,118,450; May 24.
Internal combustion engine. Charge stratification dual charging. A. C. Peterson. 2,118,571; May 24.
Iron, Electrolytically depositing. W. A. Crowder. 2,118,395; May 24.
Iron manufacture, Rustless. A. L. Feild. 2,118,701; May 24.
Iseikonic spectacles and their manufacture. A. F. Dittmer. 2,118,173; May 24.
Isomeric aminohydroxy anthraquinones, Production and separation of. D. G. Rogers. 2,118,445; May 24.
Joint for bridges, Grating expansion. E. L. Tarof. 2,118,330; May 24.
Joint and connecter. T. C. Green. 2,118,672; May 24.
Joint for electrode lead-ins, Vacuum-tight. U. Lamm. 2,118,613; May 24.
Joints for electric cables. C. J. Beaver and E. L. Davey. 2,118,546; May 24.
Journal box. W. Blackmore. 2,118,146; May 24.
Kerf-cutting machine. W. W. Sloane. 2,118,529; May 24.
Label brushing device. C. Schmutzer and K. Manrodt. 2,118,527; May 24.
Label grip finger mechanism. H. E. Rue. 2,118,418; May 24.
Laminated structure. P. T. Lansdem. 2,118,048; May 24.
Lamp: *See*—
Electric lamp.
Lamp. M. Weaver. 2,118,749; May 24.
Lantern, Electric. H. O. Putt. 2,118,656–7; May 24.
Latch for casing cutters and the like. I. Thomas. 2,118,242; May 24.
Lathe. L. A. Carter. 2,118,489; May 24.
Lawn chair. R. E. Lankton. 2,118,676; May 24.
Leaf spring. N. Wyeth. 2,118,534; May 24.
Leather lubrication. A. O. Jaeger. 2,118,308; May 24.
Life preserver. O. W. Johnson. 2,118,708; May 24.
Life preserver, Self-inflating. E. T. Christopher and H. E. Murray. 2,118,165; May 24.
Light and number display, Porch. C. Lorbetske. 2,118,469; May 24.
Light projection display means. E. Nanfeldt. 2,118,264; May 24.
Line justifier for typewriters. N. Dodds. 2,118,343; May 24.
Liners, Machining of engine cylinder. O. Mader. 2,118,317; May 24.
Liquid congealing apparatus. E. H. Lutz. 2,118,211; May 24.
Liquid dispensing device. J. J. Bailey. 2,118,784; May 24.
Liquid pump, Reciprocating. H. E. Rupp. 2,118,234; May 24.
Liquids, Apparatus for purifying. T. R. Camp. 2,118,157; May 24.
Liquids, Treating fermenting. K. A. Wessblad, H. E. A. Göth, and J. O. Nauclér. 2,118,370; May 24.
Listing adding machine. L. P. Crosman. 2,118,700; May 24.
Lock: *See*—
Combination lock.
Door lock.
Steering column lock.
Tire cover lock.
Lock and chain, Combination. S. Zingman. 2,118,635; May 24.
Lock for bicycles and other purposes. S. Wise. 2,118,126; May 24.
Locomotive. H. Glaenzer. 2,118,042; May 24.
Loom: *See*—
Reed loom.
Loom feeder, Uniform-tension. E. G. Jegge and G. W. Kretzschmar. 2,118,046; May 24.
Loom temple. R. H. Gelinas. 2,118,504; May 24.
Lubricant compositions, High film strength. W. J. Marsh and J. A. Spina. 2,118,216; May 24.
Lubricant compositions of high film strength. W. J. Marsh and J. A. Spina. 2,118,217; May 24.
Lubricant of high film strength. W. J. Marsh and J. A. Spina. 2,118,215; May 24.
Lubricated axle bearing. V. A. Bary. 2,118,138; May 24.
Lubricating apparatus. G. A. Hunter. 2,118,381; May 24.
Lubricating device. J. L. Creveling. 2,118,373; May 24.
Lubricating device. H. R. Tear. 2,118,367 May 24.
Lubricating system for internal combustion engines. C. A. Winslow. 2,118,283; May 24.
Machine for casting hollow bodies. C. Meek. 2,118,097; May 24.
Machine for co-operating with record receiving tapes. B. A. Proctor. 2,118,057; May 24.
Machine for grinding flutes. S. W. Bath and E. L. Ackley. 2,118,139; May 24.
Machine for grinding laminated articles. E. D. Vancil. 2,118,369; May 24.
Machine for laying cables, pipes, and the like. M. T. J. Garlinger. 2,118,553; May 24.
Machine for spot-treating multiple fabric layers. A. White and N. Labovich. 2,118,718; May 24.





Machine tool. F. A. Parsons and W. M. Pohl. 2,118,357–8; May 24.
Magnesium oxide from dolomitic rock, Obtaining. W. H. MacIntire. 2,118,353; May 24.
Magnets of mixed comminuted alloys, Composite permanent. W. Zumbusch. 2,118,285; May 24.
Manifolding assembly. A. H. Phillips and W. Allan, Jr. 2,118,655; May 24.
Match book. E. D. Edwards. 2,118,726; May 24.
Material, Apparatus for producing sheet. W. Worthington. 2,118,284; May 24.
Material, Apparatus for treating animal. W. Steinmann. 2,118,421; May 24.
Material, Building. J. L. Wettlaufer. 2,118,632; May 24.
Material, Covering. G. Knapp. 2,118,250; May 24.
Material for use in making center spot crowns, Strip. J. B. Elsen. 2,118,595; May 24.
Material, Luminescent. H. W. Leverenz. 2,118,091; May 24.
Material, Packaging and dispensing transparent cellulose strip. K. R. Hines, Jr. 2,118,791; May 24.
Material, Refractory. R. C. Benner and H. N. Baumann, Jr. 2,118,143; May 24.
Materials, Coloring and marking. A. E. Gessler. 2,118,431; May 24.
Materials substantially resistant to creasing, Bendering textile. J. Stadler. 2,118,685; May 24.
Meat-slicing machine. J. P. Spang. 2,118,119; May 24.
Medical instrument. L. K. Pitman. 2,118,523; May 24.
Merchandising device, Self-help. W. A. McEwen. 2,118,320; May 24.
Mercury compounds, Organic. C. N. Andersen. 2,118,133; May 24.
Mercury salts of aliphatic polycarboxylic acids, Aryl. C. N. Andersen. 2,118,033; May 24.
Message registration checking system. C. W. Keckler and I. C. Osten-Sacken. 2,118,247; May 24.
Metal article and making same, Hot rolled. H. D. Newell and M. Fleischmann. 2,118,683; May 24.
Metal punching apparatus, Sheet. F. H. Johnson. 2,118,848; May 24.
Metal shavings, Apparatus for briquetting. K. Klöne. 2,118,205; May 24.
Metals or metallic articles, Treating. H. E. Somes. 2,118,480; May 24.
Meter: *See*—
Gas meter.
Parking meter.
Prepayment meter.
Watthour meter.
Mileage testing, Apparatus for. F. G. Goode and G. R. Humphrey. 2,118,079; May 24.
Mill: *See*—
Roller mill.
Three-high mill.
Tumbling mill.
Mixing machine. F. A. Schlets. 2,118,362; May 24.
Mixtures of dyestuffs. R. Grether. 2,118,192; May 24.
Mixtures of the ester type, Separating high molecular. A. Schaafsma. 2,118,454; May 24.
Model, House. F. Bolhuis. 2,118,338; May 24.
Modulation system. J. D. Durkee and E. H. Yonkers. 2,118,040; May 24.
Moisture and moisture vaporproof papers, Manufacturing. W. H. Bryce. 2,118,152; May 24.
Mold construction. H. E. McWane. 2,118,764; May 24.
Molding mechanism. C. W. Goodwin. 2,118,080; May 24.
Moldings, etc., Mounting of. E. Q. Smith. 2,118,800; May 24.
Mononitroalkylanilines, mononitroalkylacylanilines and derivatives thereof and their manufacture. S. Coffey and N. H. Haddock. 2,118,494; May 24.
Motor: *See*—
Electric motor.
Fluid motor.
Rotary motor.
Motor assembly, Outboard. O. C. Linthwaite. 2,118,209; May 24.
Motor driving and braking system, Induction. J. J. Mellon. 2,118,219; May 24.
Mount, Radio tube. H. M. Gaun. 2,118,668; May 24.
Mounting for textile machines, Spindle. W. R. Gordon. 2,118,302; May 24.
Mounting of radial cylinder engines. P. C. A. M. d'Aubarede. 2,118,550; May 24.
Muffler. P. G. Pelk. 2,118,056; May 24.
Napkin, Paper. E. C. Morris. 2,118,472–3; May 24.
Naphthas and the like, Solvent treatment of. E. Terres, E. Saegebarth, and J. Moos. 2,118,771; May 24.
Necktie. S. Rajki. 2,118,416; May 24.
Necktie adjusting device for collars. E. Langemack. 2,118,614; May 24.
Necktie rack. A. Köhler. 2,118,611; May 24.
Neat door. E. J. German. 2,118,189; May 24.
Nitrocellulose, Preparing. R. H. Talbot. 2,118,275; May 24.
Nitrogen containing derivatives of polymerized vinyl esters of halogen fatty acids, Manufacture of. H. Rein. 2,118,713; May 24.
Nozzle. F. E. Hansen. 2,118,451; May 24.
Nut, Quick-action. E. A. Schaeffer, Jr. 2,118,361; May 24.
Ocular defects, Correcting. A. Ames, Jr., G. H. Gliddon, and K. N. Ogle. 2,118,132; May 24.
Oil burner. M. Brittain. 2,118,698; May 24.
Oil burner. J. Ravenna. 2,118,228; May 24.
Oil pumping apparatus. B. Olsson. 2,118,568; May 24.
Oils, Cracking hydrocarbon. L. C. Huff. 2,118,605; May 24.
Oils, Process and apparatus for polymerising. J. C. Harris, Jr., and G. Sutherland. 2,118,728; May 24.
Oils using sulphonyl halides, Treatment of hydrocarbon. J. Moos and H. Ramser. 2,118,766; May 24.
One-way valve. R. H. Money. 2,118,356; May 24.
Operating mechanism. K. Clark. 2,118,492; May 24.
Optical isomers of acyl-B-alkyl choline salts and intermediates and their production. R. T. Major and H. T. Bonnett. 2,118,054; May 24.
Organic compounds, Catalytic oxidation of. N. A. Milas and W. L. Walsh. 2,118,567; May 24.
Ornament, Clasp. R. Mants. 2,118,411; May 24.
Ornamenting, Means for. G. A. Tinnerman. 2,118,746; May 24.
Package for sheet material. W. A. Gresens. 2,118,380; May 24.
Pad: *See*—
Diaper pad.
Painting and similar composition. E. C. Clayton and L. L. Heffner. 2,118,787; May 24.
Paper cutter. L. B. Wolfson. 2,118,751; May 24.
Paper making method and machine. H. A. Chuse. 2,118,491; May 24.
Paper, Process and apparatus for coating. J. D. MacLaurin. 2,118,212; May 24.
Parking meter, Coin controlled. C. C. Magee. 2,118,318; May 24.
Partition. G. Slayter and H. W. Collins. 2,118,237; May 24.
Pastel holder. M. G. Patten. 2,118,384; May 24.
Paving device. G. Thévenin. 2,118,577; May 24.
Pen desk set. M. G. Sypher. 2,118,241; May 24.
Pencil, Perforating. F. A. Rice. 2,118,230; May 24.
Periodic voltage generator. H. M. Lewis. 2,118,352; May 24.
Phonograph with automatically compensated tone and volume control. A. N. Goldsmith. 2,118,602; May 24.
Picture apparatus, Motion. T. A. and R. T. Killman. 2,118,057; May 24.
Pigments, Manufacture of black lake. R. T. Hucks. 2,118,512; May 24.
Pillow and cushion. I. Buchman. 2,118,486; May 24.
Pipe: *See*—
Smoking pipe.
Pipe lines under pressure, Extending. E. Dutch. 2,118,376; May 24.
Piston ring. E. J. Goodyear. 2,118,433; May 24.
Pitch propeller and the like, Controllable. N. E. G. Meijer. 2,118,652; May 24.
Pitch propeller, Controllable. N. E. G. Meijer. 2,118,653; May 24.
Plate shaving machine. W. J. Lofstedt. 2,118,410; May 24.
Plug: *See*—
Spark plug.
Plumb and level, Combined. O. L. Melvin. 2,118,470; May 24.
Polishing and buffing machine. G. A. Carlson. 2,118,548; May 24.
Polishing composition. J. D. Pickens. 2,118,521; May 24.
Polyethenoxy-alkylarylamines, Sulphated. A. H. Knight and H. A. Piggott. 2,118,089; May 24.
Polyvinyl nitrate, Preparing. L. A. Burrows and W. F. Filbert. 2,118,487; May 24.
Potentiometer. W. Deutschmann. 2,118,072; May 24.
Poultry feeder, Collapsible. E. E. Mohler. 2,118,322; May 24.
Power plant, Electric. R. W. Weeks. 2,118,124; May 24.
Prepayment meter. N. Wright. 2,118,691; May 24.
Press: *See*—
Rotary proof press.
Press. P. V. J. Merenda. 2,118,098; May 24.
Pressure control for pneumatically operated apparatus, Dual. C. H. Rippl. 2,118,779; May 24.
Pressure controlled apparatus. J. T. Boyd. 2,118,029; May 24.
Pressure reducing device. J. T. Black. 2,118,290; May 24.
Pressure reducing device. M. O. Crawford and M. B. Heftler. 2,118,295; May 24.
Primary cell. R. Oppenheim. 2,118,712; May 24.
Product and manufacture, Laminated. J. D. Cochrane, Jr. 2,118,549; May 24.
Propeller assembly for aircraft. R. K. Odor. 2,118,052; May 24.
Propeller, Automatic. J. Squires. 2,118,574; May 24.
Protector: *See*—
Ear protector.
Hand and glove protector.
Puller: *See*—
Bearing puller.
Pulley clutch. A. E. McGowan. 2,118,734; May 24.
Pump: *See*—
Fuel injection pump.
Liquid pump.
Rodless pump.
Pump. A. G. Carpenter, Jr. 2,118,589; May 24.
Pump sealing means. W. F. Macdonald. 2,118,681; May 24.
Punch and cap lifter, Combination can. W. H. Castner. 2,118,159; May 24.
Rack: *See*—
Necktie rack.
Shirt rack.
Radiator screen. D. A. Erickson. 2,118,344; May 24.

Rain gauge, Float type. R. R. Chappell and R. B. Colt. 2,118,459; May 24.
Range, Gas. E. S. Burch and F. J. Freeland. 2,118,155; May 24.
Razor, Safety. J. E. Drew. 2,118,498; May 24.
Receiving system for frequency modulated waves. J. C. Chaffee. 2,118,161; May 24.
Recording instrument. G. W. Griesdale. 2,118,081; May 24.
Rectifier, Inductive. J. R. Gaston. 2,118,554; May 24.
Reed loom. G. E. Nordstrom. 2,118,223; May 24.
Reed, Yielding. C. D. Brown. 2,118,426; May 24.
Reel: *See*—
Traveling reel.
Reflector, Sign. H. C. Spratley. 2,118,420; May 24.
Reflector, Ultrashort wave. H. Scharlau. 2,118,419; May 24.
Refractory. H. C. Fisher. 2,118,789; May 24.
Refractory. C. W. Saxe. 2,118,798; May 24.
Refrigerating apparatus. D. F. Alexander and G. C. Pearce. 2,118,636; May 24.
Refrigerating apparatus. G. B. Wagner. 2,118,580; May 24.
Refrigerator. R. H. Money. 2,118,735; May 24.
Refrigerator, Ice. C. E. H. Frykdahl. 2,118,185; May 24.
Regenerative transmission system. R. Chilton. 2,118,500; May 24.
Registration card holder. W. Wilson. 2,118,280; May 24.
Regulating system. R. P. Jutson. 2,118,246; May 24.
Relay mechanism. A. C. Magrath. 2,118,258; May 24.
Relay system for measuring the time of the continuous flow of an electric current. Y. Watanabe. 2,118,424; May 24.
Resin and making same, Synthetic. T. Sutter. 2,118,482; May 24.
Resins from articles after impregnation, Removing surplus. P. C. P. and R. C. Booty. 2,118,036; May 24.
Rheostat. H. G. Richter. 2,118,267; May 24.
Ring: *See*—
Finger ring. Piston ring.
Rivet. G. K. E. Kleeberg. 2,118,561; May 24.
Rock drill. W. C. Rea. 2,118,524; May 24.
Rod: *See*—
Weld rod. Welding rod.
Rods and wire, Treating. R. E. Cramer. 2,118,168; May 24.
Rodless pump. W. N. Huff. 2,118,307; May 24.
Roller bearing. P. J. Ernst. 2,118,760; May 24.
Roller bearing. R. P. Proffitt. 2,118,767; May 24.
Roller mill, Gravity impact. H. J. M. von Gernet. 2,118,628; May 24.
Rolling under controlled tension, Reversible. E. B. Hudson. 2,118,560; May 24.
Roof decking. W. M. Goldsmith. 2,118,191; May 24.
Roofing construction. J. C. Lathrop. 2,118,207; May 24.
Rotary motor. O. A. Larsen. 2,118,253; May 24.
Rotary proof press, Multicolor. E. J. Smith. 2,118,238; May 24.
Routering machine. J. E. Alward and J. H. Moore. 2,118,063; May 24.
Rubber, Manufacture of. R. H. Gerke, G. H. Ganzhorn, L. H. Howland, and H. M. Smallwood. 2,118,601; May 24.
Salts from aqueous solutions, Recovery of. E. A. C. Smith. 2,118,272; May 24.
Scaffold board and ladder. C. Alber. 2,118,585; May 24.
Scaffolding structure. D. H. Jones. 2,118,467; May 24.
Screen: *See*—
Radiator screen. Well screen.
Screen. L. G. Symons. 2,118,782; May 24.
Seal for bearing mechanisms. T. Barish. 2,118,027; May 24.
Seal for tubes. H. W. Dittmeyer. 2,118,073; May 24.
Sealing device for meters. H. A. Bakke. 2,118,638; May 24.
Seat: *See*—
Automobile seat.
Seat back adjusting device. L. S. Whedon. 2,118,600; May 24.
Seat back, Braced. L. S. Whedon. 2,118,456; May 24.
Securing means. R. Brown. 2,118,372; May 24.
Selvedge guide apparatus for fabrics. J. Dungler. 2,118,375; May 24.
Semidecating apparatus. C. G. Richardson. 2,118,417; May 24.
Separator. K. W. Connor. 2,118,167; May 24.
Serial roentgenogram apparatus. J. B. Wantz and J. J. Grobe. 2,118,449; May 24.
Serving apparatus. W. W. Bardsley. 2,118,136; May 24.
Sewage treatment. C. H. Nordell. 2,118,266; May 24.
Shade and curtain hanger. A. I. Ross. 2,118,714; May 24.
Shapes from sheet metal, Forming. M. C. Durbin. 2,118,499; May 24.
Sharpener and device for honing lawn mowers. F. Healy. 2,118,199; May 24.
Sharpener, Skate. C. E. Nicolet. 2,118,617; May 24.
Shaving machine, Record. C. Huenlich and H. F. M. Gramann. 2,118,202; May 24.
Shears, Mis-cut rotary. K. W. Halliden. 2,118,402; May 24.
Shelter for beach or the like use, Portable sun and wind. A. W. Morton. 2,118,474; May 24.
Shield construction, Fender. G. W. Schatsman. 2,118,624; May 24.
Shield, Glare. E. F. Hathaway. 2,118,198; May 24.
Shield, Switch. N. C. Schellenger. 2,118,268; May 24.
Shielded electrode holder. M. Sweda. 2,118,274; May 24.
Shielding assembly and connecter therefor. T. C. Green. 2,118,671; May 24.
Shingles, Machine for making tapered cement asbestos. A. G. Leonard, Jr. 2,118,762; May 24.
Shirt rack. T. A. Dempsey. 2,118,461; May 24.
Shock absorber for airplanes. J. F. Wallace. 2,118,455; May 24.
Shoe part, Perforated and embossed. G. C. Loucks and J. R. H. Ward. 2,118,255; May 24.
Shoe plate. A. Schemel. 2,118,113; May 24.
Shoe sole plate, Athletic. J. T. Riddell. 2,118,107; May 24.
Shooting streamers. W. C. Clark. 2,118,166; May 24.
Sign: *See*—
Changeable letter sign. Illuminated sign.
Signal. S. L. Lebby. 2,118,709; May 24.
Signaling system. W. R. Koch. 2,118,610; May 24.
Signaling system for automobiles and other vehicles. H. S. Davis. 2,118,775; May 24.
Slack adjuster. B. S. Aikman. 2,118,389; May 24.
Slice mechanism, End. A. Van Veen. 2,118,531; May 24.
Slicker tool. J. H. Connor. 2,118,070; May 24.
Sliding door fastener. J. E. Hogan. 2,118,729; May 24.
Slotting machine. L. G. Larsen. 2,118,515; May 24.
Smoke inspection device. R. H. Wager. 2,118,716; May 24.
Smoker's accessory. B. R. McCready. 2,118,564; May 24.
Smoking pipe. W. Kreuta. 2,118,612; May 24.
Snap action. E. C. Horton. 2,118,792; May 24.
Socket. J. A. C. Galvao. 2,118,503; May 24.
Socket, Adjustable extension. C. Birdseye, H. D. Wilson, and W. N. Heath. 2,118,785; May 24.
Sound recording apparatus, Mechanical. J. J. Hardenberg. 2,118,347; May 24.
Spark plug. E. F. Koehler and G. W. Goerner. 2,118,251; May 24.
Speed control. R. J. Kalbreier. 2,118,730; May 24.
Spindle milling machine, Vertical. N. M. Marsilius. 2,118,259; May 24.
Spout, Punch. R. J. Spielvogel. 2,118,366; May 24.
Spring: *See*—
Leaf spring.
Spring structure, Flexible mattress. J. A. Douglas. 2,118,297; May 24.
Steel and product thereof, Rolling stainless. W. B. Arness. 2,118,693; May 24.
Steering column lock. F. Bullis. 2,118,304; May 24.
Step for vehicles, Retractable. G. W. Hamilton. 2,118,557; May 24.
Sterilising indicator and ink. P. Bermap and A. L. Chaney. 2,118,144; May 24.
Stocking. E. O'Connor. 2,118,102; May 24.
Stoker, Fuel. C. Scholl. 2,118,625; May 24.
Strainer for cooling systems of internal combustion engines. J. Hromadka. 2,118,510; May 24.
Strand former for parallel wire cables. D. S. Fine. 2,118,187; May 24.
Strap, Suspension. C. Graham. 2,118,378; May 24.
Stretcher, bed, cot, and the like. T. Robinson. 2,118,780; May 24.
String, Racket. F. D. Chittenden and H. Manchester. 2,118,164; May 24.
Strip for concrete roadways and pavements, Parting. E. W. Burgess. 2,118,340; May 24.
Structure and making the same, Layered. A. E. Meade. 2,118,565; May 24.
Submarine. E. H. Jennings. 2,118,466; May 24.
Submerged combustion burner. T. S. See, J. E. Tegarden, and A. Williams. 2,118,479; May 24.
Sulphur dioxide, Production of. F. W. Wieder. 2,118,333; May 24.
Sulphur, Extraction of. R. W. Beattie. 2,118,140; May 24.
Surfacing. T. Robinson. 2,118,526; May 24.
Surfacing machine. J. C. Temple. 2,118,276; May 24.
Surfacing structure and making same. W. G. Farr. 2,118,076; May 24.
Switch: *See*—
Compass controlled switch. Disconnecting fuse switch.
Switch. R. W. Scott. 2,118,528; May 24.
Switch. F. H. Wells. 2,118,125; May 24.
Syphon system. E. A. Widmann. 2,118,532; May 24.
Syringe, Hypodermic. F. C. Montuori. 2,118,221; May 24.
Table: *See*—
Adjustable table. Arm grip table.
Tappets, Making. G. Schneider. 2,118,446; May 24.
Tartrates and making them, Alkanol-ammonium. H. A. Shonle. 2,118,769; May 24.
Telegraph signal regenerating apparatus. A. F. Connery. 2,118,069; May 24.
Telegraphone. W. C. Ellis and E. S. Greiner. 2,118,179; May 24.
Telephone repeater, Two-way. L. W. Branch. 2,118,697; May 24.
Television apparatus. F. Schröter. 2,118,115; May 24.





Television process and apparatus. A. J. Cawley. 2,118,160; May 24.
Temperature control for internal combustion engines. J. B. Brennan. 2,118,484; May 24.
Temperature regulating system. F. W. Hottenroth, Jr. 2,118,647; May 24.
Tent. F. M. Powers. 2,118,572; May 24.
Testing apparatus. W. J. Bartlett. 2,118,137; May 24.
Testing device. B. Giaimo. 2,118,703; May 24.
Thermal responding indicator. R. R. Sprole. 2,118,742; May 24.
Thermionic oscillation generator. E. B. Moullin. 2,118,414; May 24.
Thermophoric composition. J. A. C. Bowles and R. L. McFarlan. 2,118,586; May 24.
Thermostat. A. A. Strand. 2,118,240; May 24.
Thiocarbanilid derivative. F. A. Brinker. 2,118,293; May 24.
Thread cleaner bracket. H. Sarfert and A. A. Arnold. 2,118,623; May 24.
Three-high mill. W. Stringham. 2,118,715; May 24.
Tie plate and rail fastener. H. C. and M. L. Myer. 2,118,100; May 24.
Tile. A. J. Streat. 2,118,744; May 24.
Tire chain unit, Emergency. E. A. Stuller. 2,118,576; May 24.
Tire cover. A. P. Ferguson. 2,118,596; May 24.
Tire cover lock. H. S. Jandus and B. M. Short. 2,118,606; May 24.
Tire, Pneumatic. S. M. Cadwell. 2,118,774; May 24.
Tobacco feeding apparatus. J. W. Giles. 2,118,505; May 24.
Tone control circuit. P. O. Farnham. 2,118,075; May 24.
Tool: *See*—
Cylinder surfacing tool. Slicker tool.
Machine tool.
Tooth brush holder, Individual. H. B. Grosse. 2,118,465; May 24.
Torch. G. L. Walker. 2,118,447; May 24.
Torque converter, Centrifugal. B. Ellefsen. 2,118,430; May 24.
Towel dispensing apparatus, Paper. R. G. Birr and A. C. Grunwald. 2,118,336; May 24.
Towel dispensing apparatus, Paper. F. G. Steiner. 2,118,627; May 24.
Toy. J. Klarke. 2,118,249; May 24.
Toy wheeled vehicle. B. R. Jones. 2,118,245; May 24.
Track recorder mechanism. W. M. Perry. 2,118,105; May 24.
Tractor draw and hitch. S. Asbury. 2,118,544; May 24.
Tractor for agricultural implements. H. G. Ferguson. 2,118,180–1; May 24.
Train signaling system. H. W. Richards. 2,118,476; May 24.
Transformer load indicator. L. Wetherill. 2,118,660; May 24.
Transmission, Hydraulic. J. Fitzhugh. 2,118,464; May 24.
Transmission mechanism. R. R. Eastin. 2,118,178; May 24.
Transmission synchronizer. P. Orr. 2,118,619; May 24.
Transmission system, Electrical. N. Monk and W. H. Tidd. 2,118,471; May 24.
Trap. C. L. Oswald. 2,118,569; May 24.
Traveling reel. A. H. Habersatump and F. N. Cramer. 2,118,556; May 24.
Tray. C. Richardson, Jr. 2,118,326; May 24.
Tray, Ice. A. C. Fischer. 2,118,538; May 24.
Trimethylamine, Recovering. P. Herold and W. Wustrow. 2,118,674; May 24.
Truck, Railway. G. F. Couch. 2,118,537; May 24.
Tube: *See*—
Finned tube. X-ray tube.
Image receiving tube.
Tube amplifying system, Electron. E. L. Koch. 2,118,288; May 24.
Tube coating machine. J. H. Fridén. 2,118,599; May 24.
Tube protective device, Electric luminescent gas. P. J. Kayatt. 2,118,437; May 24.
Tubing catcher. C. S. Crickmer. 2,118,497; May 24.
Tubing port control, Well. A. M. Chrisman. 2,118,428; May 24.
Tumbling mill. N. Ranschoff. 2,118,227; May 24.
Typewriting machine. W. F. Helmond. 2,118,085; May 24.
Underwear. B. Sanders. 2,118,797; May 24.
Universal coupling. F. C. Biggert, Jr. 2,118,028; May 24.
Utensil, Cooking. G. J. Smith. 2,118,530; May 24.
U-tube gauge. H. E. Reynolds and W. Alexander. 2,118,229; May 24.
Vacuum cleaner construction. A. Aitken. 2,118,721; May 24.
Valve: *See*—
Electric valve. One-way valve.
Valve tappet. C. W. Van Ranst. 2,118,579; May 24.
Vanadium oxides from oil, Recovering. H. J. J. Janssen. 2,118,351; May 24.
Variable condenser. F. W. Godsey, Jr., and R. C. Sprague. 2,118,190; May 24.
Variable resistance device. N. C. Schellenger. 2,118,112; May 24.
Vehicle: *See*—
Child's vehicle. Toy wheeled vehicle.
High speed vehicle.
Vehicle brake. W. K. Line. 2,118,733; May 24.
Vehicle structure, Railroad-highway. W. M. Sheehan. 2,118,364; May 24.
Vehicle wheel. E. W. French. 2,118,702; May 24.
Vessel, Making a welded spherical. F. K. Zerbe. 2,118,388; May 24.
Vibrating instrument for producing flocked articles. I. Kruger. 2,118,732; May 24.
Vibrator and holder therefor. E. M. Chappell. 2,118,699; May 24.
Vibratory feeding apparatus. J. A. Flint. 2,118,182; May 24.
Wall washer. W. J. Dunlap. 2,118,176; May 24.
Washer: *See*—
Wall washer.
Washing machine, Laundry. L. Zimarik. 2,118,582; May 24.
Water shut-off for oil wells. C. A. Brown. 2,118,067; May 24.
Watthour meter. W. M. Bradshaw and E. G. Johansson. 2,118,587; May 24.
Wave machine, Permanent. W. L. Douden. 2,118,594; May 24.
Waving device, Permanent. H. N. Durham and G. B. Finnegan, Jr. 2,118,177; May 24.
Weight indicating device. V. D. Hanes. 2,118,727; May 24.
Weir shutter, Hydrostatic. F. Jermář. 2,118,404; May 24.
Weld rod. A. G. de Golyer. 2,118,296; May 24.
Welding rod. A. R. Lytle. 2,118,678–9; May 24.
Welding unit, Arc. R. R. Bollman. 2,118,291; May 24.
Well drilling mechanism. R. E. Lee. 2,118,650; May 24.
Well pumping device. W. J. Gourley and F. H. Barney. 2,118,377; May 24.
Well screen. G. W. Darst. 2,118,171; May 24.
Wells, Apparatus for pumping. F. E. Scheider and J. C. Hinkle. 2,118,539; May 24.
Wells, Treating. J. J. Grebe. 2,118,669; May 24.
Wheel: *See*—
Vehicle wheel.
Wheel construction. C. S. Ash. 2,118,694; May 24.
Wheel handgrip, Auto steering. E. Van Arsdel. 2,118,540; May 24.
Wheel turning device, Steering. J. Sinko. 2,118,573; May 24.
Whey, Drying. G. H. Kraft. 2,118,252; May 24.
Whiskey, Apparatus for aging. J. P. Spang. 2,118,120; May 24.
Winding device, Electromechanical. R. Fouques and J. Lenfant. 2,118,790; May 24.
Windmill, Self-governing. H. C. Hood. 2,118,201; May 24.
Window construction. J. Brent. 2,118,339; May 24.
Window construction. C. M. Keevill. 2,118,204; May 24.
Wire, Making zinc-coated ferrous. F. M. Crapo. 2,118,758; May 24.
Wire tightener and twister. R. R. Beers. 2,118,034; May 24.
Wrap, Tight and loose. T. Jensen. 2,118,513; May 24.
Wringer mop. J. H. Nicholson. 2,118,618; May 24.
X-ray apparatus. A. Bouwers. 2,118,457; May 24.
X-ray tube. M. J. Gross and Z. J. Atlee. 2,118,434; May 24.
X-ray tube. H. F. Mesick, Jr., and M. J. Gross. 2,118,413; May 24.

# CLASSIFICATION OF PATENTS

## ISSUED MAY 24, 1938

**In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.**

NOTE.—First number—class, second number—subclass, third number—patent number

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# LIST OF TRADE-MARK APPLICANTS

## PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adams & Brooks, Los Angeles, Calif. Raw popcorn. Serial No. 404,342; May 31. Class 46.

Allen, S. L., & Co., Inc., Philadelphia, Pa. Agricultural implements and garden tractors. Serial No. 404,556; May 31. Class 23.

American Optical Company, Southbridge, Mass. Apparatus for use in testing eyes. Serial No. 403,891; May 31. Class 26.

American Window Glass Company, Pittsburgh, Pa. Sheet glass. Serial No. 404,791; May 31. Class 33.

Anderson, W. E., Company, Greeley, Colo. Potatoes. Serial No. 390,016; May 31. Class 46.

Arden, Elizabeth, Inc., New York, N. Y. Soaps. Serial No. 405,006; May 31. Class 4.

Aron, J., & Company, Inc., New Orleans, La. Sugar. Serial No. 401,423; May 31. Class 46.

Aviation Manufacturing Corporation, Chicago, Ill. Airplanes. Serial No. 404,827; May 31. Class 19.

Babbitt, B. T., Inc., New York, N. Y. Prepared canned food for carnivorous animals. Serial No. 393,633; May 31. Class 46.

Bakelite Corporation, New York, N. Y. Magazine section and a booklet or pamphlet. Serial No. 401,595; May 31. Class 38.

Bancroft Manufacturing Company. (See Swartsbaugh Manufacturing Company, The.)

Bartmann & Bixer Inc., New York, N. Y. Curtains. Serial No. 404,288; May 31. Class 42.

Bausch & Lomb Optical Company, Rochester, N. Y. Objective lenses. Serial No. 404,741; May 31. Class 26.

Belding Heminway Company, New York, N. Y. Silk and rayon thread. Serial No. 403,933; May 31. Class 43.

Bee Line Honey Co. (See Schumacher, Hans H.)

Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. Serial No. 404,978; May 31. Class 42.

Bell & Zoller Coal Company, Chicago, Ill. Coal. Serial No. 402,930; May 31. Class 1.

Bell & Zoller Coal Company, Chicago, Ill. Coal. Serial Nos. 403,114–5; May 31. Class 1.

Belskie, Albert, doing business as Yankee Food Prod. Co., Chicago, Ill. Potato chips. Serial No. 395,394; May 31. Class 46.

Bemis Bros. Bag Co., St. Louis, Mo. Combination fabric and paper bags. Serial No. 404,743; May 31. Class 2.

Berg, Charles W., doing business as Fairchild & French, Philadelphia, Pa. Cleansing preparation. Serial No. 404,289; May 31. Class 4.

Billimack, Vernon J., St. Louis, Mo. Roach and lice destroying powder. Serial No. 404,464; May 31. Class 6.

Bio-Chemical Products, Inc., Los Angeles, Calif. Medicated solution. Serial No. 405,055; May 31. Class 6.

Black & Decker Manufacturing Company, The, Towson, Md. Portable electric shears. Serial No. 403,934; May 31. Class 21.

Bloomingdale Bros., Inc., New York, N. Y. Silk piece goods. Serial No. 405,148; May 31. Class 42.

Bologh, Sidney D., doing business as Vibo Products Co., Brooklyn, N. Y. Scalp lotion. Serial No. 401,322; May 31. Class 6.

Borges, Bernardino J., Lisbon, Portugal. Olive oil. Serial No. 396,121; May 31. Class 46.

British Drug Houses, Limited, The, London, England. Vaginal suppositories. Serial No. 404,849; May 31. Class 6.

Brownsville Citrus Association, Brownsville, Tex. Fresh citrus fruits. Serial Nos. 401,598–9; May 31. Class 46.

Buckle Proof Lath Co. (See Westberg, Gustave E.)

Calle & Peres, Buenos Aires, Argentina. Razors, safety razors, and razor blades. Serial No. 403,612; May 31. Class 23.

Cenovis-Werke G. m. b. H., Munich, Germany. Yeast, baking powder, dietetic foods, etc. Serial No. 398,236; May 31. Class 46.

Cenovis-Werke G. m. b. H., Munich, Germany. Yeast and dietetic foodstuffs. Serial No. 398,237; May 31. Class 46.

Champion Fastener Corp., New York, N. Y. Paper staples, paper fasteners, and hand stapling machines. Serial No. 399,556; May 31. Class 37.

Champion Paper and Fibre Company, The, Canton, N. C. Light-boiling odorizing materials. Serial No. 403,306; May 31. Class 6.

Charak Furniture Company, Boston, Mass. Furniture. Serial No. 404,748; May 31. Class 32.

Cohen, Goldman & Co. Inc., New York, N. Y. Coats, vests, pants, etc. Serial No. 404,934; May 31. Class 39.

Cohen, Jos. S., & Sons Co., Inc., New York, N. Y. Frocks, dresses, and smocks. Serial No. 403,980; May 31. Class 39.

Curtis Publishing Company, The, Philadelphia, Pa. Agricultural journal. Serial No. 403,859; May 31. Class 38.

Curtis Publishing Company, The, Philadelphia, Pa. Section of an agricultural journal. Serial Nos. 403,860–1; May 31. Class 38.

Darlington Fabrics Corporation, New York, N. Y. Elastic yarn. Serial No. 404,430; May 31. Class 43.

Davenport Hosiery Mills, Inc., Chattanooga, Tenn. Hosiery. Serial No. 401,556; May 3. Class 39.

Dixon & Rippel, Newark, N. J. Brushes. Serial No. 403,814; May 31. Class 29.

Dumari Textile Co., Inc., New York, N. Y. Fabrics in the piece. Serial No. 404,839; May 31. Class 42.

Earnshaw Publications, Inc., Newton, Mass. Buyer's guide. Serial No. 404,752; May 31. Class 38.

Elgin Foods, Incorporated, Elgin, Ill. Bakery ingredients. Serial No. 401,475; May 31. Class 46.

Ellis, Carleton, Montclair, N. J. Synthetic resin composition. Serial No. 401,377; May 31. Class 1.

Engineering Products Co., Denver, Colo. Material for filling hollow walls and the like. Serial No. 404,356; May 31. Class 12.

Essex Remedy Co., Inc., Newark and Roselle, N. J. Medicine. Serial No. 402,854; May 31. Class 6.

Even-Pul Foundations, New York, N. Y. Corselets, brassières, and girdles. Serial No. 404,170; May 31. Class 39.

Fairchild & French. (See Berg, Charles W.)

Fales Chemical Company, Inc., The, Cornwall Landing, N. Y. Adhesive. Serial No. 401,477; May 31. Class 5.

Feiler, Harry, Company, Inc., Louisville, Ky. Neckties. Serial No. 403,585; May 31. Class 39.

Ferst, M. A., Ltd., Atlanta, Ga. Pencil leads. Serial No. 399,235; May 31. Class 37.

Fink-Roselieve Co. Inc., New York, N. Y. Photographic products. Serial No. 402,762; May 31. Class 6.

Florida Portland Cement Company, Chicago, Ill. Cement. Serial No. 404,301; May 31. Class 12.

Foley and Company, Chicago, Ill. Preparations for stimulating and conditioning the kidneys. Serial No. 403,251; May 31. Class 6.

Forster, Henry C., doing business as Henry C. Forster Company, Chicago, Ill. Portable demagnetising device. Serial No. 403,763; May 31. Class 21.

Forstner Chain Corporation, Irvington, N. J. Watches and watch cases. Serial No. 404,847; May 31. Class 27.

Fort Howard Paper Company, Green Bay, Wis. Paper napkins, doilies, tissue paper, etc. Serial No. 404,640; May 31. Class 37.

Franco Corset Company, New York, N. Y. Foundations and girdles. Serial No. 404,890; May 31. Class 39.

Friedman, J., & Co., Inc., New York, N. Y. Coats, vests, pants, etc. Serial No. 404,892; May 31. Class 39.

Frund Products Co., Chicago, Ill. Plastic rubber material. Serial No. 403,587; May 31. Class 6.

Galloway Coal Company, Memphis, Tenn. Bituminous coal. Serial No. 400,835; May 31. Class 1.

Garden Vineyards Winery & Distillery Co., Fowler, Calif. Wines. Serial No. 402,856; May 31. Class 47.

General Animated Signs Limited, Toronto, Ontario, Canada. Electric signs and displays of all kinds, and electrical equipment used in connection therewith. Serial No. 403,497; May 31. Class 21.

General Cable Corporation, New York, N. Y. Insulated electrical wires and cables. Serial No. 404,701; May 31. Class 21.

General Printing Ink Corporation, New York, N. Y. Metal decorating and paper lithographic inks. Serial No. 403,667; May 31. Class 11.

Gervi Laboratories, Inc., Fort Lee, N. J. Cosmetic cream. Serial No. 403,082; May 31. Class 6.

Glastic Glass Cement Mfg. (See Woodward, Arthur J.)

Glenwood Range Company, Taunton, Mass. Thermostats. Serial No. 403,040; May 31. Class 26.

Glover, H. B., Co., Dubuque, Iowa. Men's pajamas. Serial No. 404,361; May 31. Class 39.

Granat, Joseph, doing business as Granat Bros., San Francisco, Calif. Finger ring. Serial No. 405,233; May 31. Class 28.

Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Printed matter. Serial No. 396,681; May 31. Class 38.

Hearn Department Stores, Inc., New York, N. Y. Wines. Serial No. 404,805; May 31. Class 47.

Hickerson, W. H., Company, Inc., The, New York, N. Y. Furniture. Serial No. 405,646; May 31. Class 32.

Hisone Products. (See Jones, Hilton L.)

Hollis Company. (See Lewin, Aaron W.)

Holm Colloid Company, Milwaukee, Wis. Colloid. Serial No. 405,117; May 31. Class 6.

Horin, Maynard, doing business as Maynard Laboratories, Jamaica, N. Y. Chemical preparation. Serial No. 401,160; May 31. Class 6.

Humble Oil & Refining Company, Houston, Tex. Coatings, thinners, reducers, and oils for use therewith. Serial No. 405,206; May 31. Class 16.

# LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Hunter, Celeste L., doing business as C. L. Hunter, Marrero, La. Skin tonics. Serial No. 403,367; May 31. Class 6.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial Nos. 404,009–10; May 31. Class 39.

Jacobs, Joseph, New York, N. Y. Razor blades. Serial No. 400,304; May 31. Class 23.

Jadranska Anonimno Drustvo Cement Portland, Solin by Split, Yugoslavia. Portland cement. Serial No. 399,692; May 31. Class 12.

Jayne, Dr. D., & Son, Inc., Philadelphia, Pa. Medicinal preparations for acidosis, anemia, etc. Serial No. 404,942; May 31. Class 6.

Jones, Hilton L., doing business as Hizone Products, Wilmette, Ill. Chemicals and other supplies used by morticians. Serial No. 401,696; May 31. Class 6.

Jones, Leonard, doing business as Casey Jones, Los Angeles, Calif. Fruits, vegetables, and melons. Serial No. 400,013; May 31. Class 46.

Kaplan Brothers, New York, N. Y. Sheets, pillow-cases, and bed spreads. Serial No. 404,306; May 31. Class 42.

Keico Company, San Diego, Calif. Sodium or ammonium alginate product. Serial No. 403,136; May 31. Class 16.

"Kleeners" Pty. Limited, Sydney, Australia. Cleansing and polishing powders. Serial No. 400,557; May 31. Class 4.

Koepits Meichers, Inc., Detroit, Mich. Beer. Serial No. 405,023; May 31. Class 48.

Kraus Bros. & Co., Inc., New York, N. Y. Whiskies, gins, and alcoholic cordials. Serial No. 403,268; May 31. Class 49.

Lamont, Corliss & Company, New York, N. Y. Cocoa and chocolate syrup. Serial No. 387,135; May 31. Class 46.

Le Long, Lucien, Inc., Chicago, Ill. Rouge and lipstick. Serial No. 402,911; May 31. Class 6.

Lewin, Aaron W., doing business as Hollis Company, Newark, N. J. Instrument for cutting hair from nostrils and ears. Serial No. 404,650; May 31. Class 23.

Libbey Glass Company, Toledo, Ohio. Drinking glasses and for glass dishes. Serial No. 400,237; May 31. Class 33.

Lobel Company, New York, N. Y. Girls' sportswear. Serial No. 404,720; May 31. Class 39.

Madaus, Dr., & Company, Radebeul, Germany. Chemicals, medicines, and pharmaceutical preparations. Serial No. 398,580; May 31. Class 6.

Magnavox Company, The, Fort Wayne, Ind. Electrolytic capacitors, condensers, and parts thereof. Serial No. 404,652; May 31. Class 21.

Mallinckrodt Chemical Works, St. Louis, Mo. Acetaldehyde, acetanilid, acetic anhydride, etc. Serial No. 401,576; May 31. Class 6.

Markwell Manufacturing Company, Inc., New York, N. Y. Staples. Serial No. 405,215; May 31. Class 13.

Master Brands, Inc., doing business as The Zoro Company, Chicago, Ill. Paradichlorobenzene. Serial No. 402,734; May 31. Class 6.

Maynard Laboratories. (See Horin, Maynard.)

McCarthy, Charlie, Inc., New York, N. Y. Dolls. Serial Nos. 402,131–2; May 31. Class 22.

McCrory Stores Corporation, New York, N. Y. Doughnuts. Serial No. 402,304; May 31. Class 46.

Meier, Joshua, Incorporated, New York, N. Y. Transparent envelopes. Serial No. 404,676; May 31. Class 37.

Miami Chemical Manufacturing Company, Inc., Miami, Fla. Bleach and sterilizer. Serial No. 404,861; May 31. Class 6.

Michigan Brewing Company, Grand Rapids, Mich. Beer. Serial No. 405,094; May 31. Class 48.

Moore, Bart, Jr., San Antonio, Tex. Cartoons and newspaper column. Serial No. 404,902; May 31. Class 38.

Muirhead, Charles, & Son, Ltd., Edinburgh, Scotland. Whisky. Serial No. 402,825; May 31. Class 49.

National Licorice Company, Brooklyn, N. Y. Licorice candy. Serial No. 404,656; May 31. Class 46.

National Silver Company, New York, N. Y. Sterling silver, and silver plated flatware, hollow ware, and tableware. Serial No. 405,402; May 31. Class 28.

Nebraska Consolidated Mills Co., Omaha, Nebr. Wheat flour. Serial No. 404,007; May 31. Class 46.

Nehi, Inc., Columbus, Ga. Beverages, and syrups and extracts for making the same. Serial No. 405,032; May 31. Class 45.

O-Cedar Corp'n., Chicago, Ill. Mops. Serial No. 404,952; May 31. Class 29.

Oliver Tire & Rubber Company, Oakland, Calif. Black sheet gum for patching, cushion gum, and rubber in strip form for retreading tires. Serial No. 403,519; May 31. Class 35.

Oulvey, Blanche L., doing business as Oulvey Drug Company, East St. Louis, Ill. Medicine. Serial No. 402,242; May 31. Class 6.

Paladini, A., & Co., New York, N. Y. Book-ends. Serial No. 399,199; May 31. Class 32.

Paramount Wedding Ring Company. (See Sager, Abraham.)

Pawlata, Eduard J., Vienna, Austria. Preparation to brown the skin and to protect the skin against sun burning. Serial No. 394,996; May 31. Class 6.

Peanut Products Company, Des Moines, Iowa. Salted peanuts. Serial No. 403,733; May 31. Class 46.

Pennsylvania Distilling Co., Inc., Logansport and Philadelphia, Pa. Whiskey. Serial No. 404,659; May 31. Class 49.

Pepperell Manufacturing Company, Boston, Mass. Textile fabrics in the piece. Serial No. 404,905; May 31. Class 42.

Perocco, A. (See Russell, Marvin, and A. Perocco.)

Pfister Hybrid Corn Company, El Paso, Tex. Seed corn. Serial No. 399,896; May 31. Class 1.

Phosphate Mining Company, The, New York, N. Y. Detergent and cleanser. Serial No. 403,146; May 31. Class 4.

Phosphate Mining Company, The, New York, N. Y. Fertilizer and fertilizer materials. Serial No. 404,542; May 31. Class 10.

Pick, Richard, & Heller Co., Chicago, Ill. Artificial leather or leatherette. Serial No. 404,662; May 31. Class 50.

Picture Magazines, Inc., New York, N. Y. Illustrated magazine. Serial No. 400,353; May 31. Class 38.

Regnew Laboratories. (See Wenger, Harold A. E.)

Robejohn-Gibbons, Ltd., New York, N. Y. Furniture and upholstery. Serial Nos. 404,376–7; May 31. Class 32.

Rosen-Edison Co., Inc., New York, N. Y. Suits and overcoats. Serial No. 404,619; May 31. Class 39.

Russell, Marvin, and A. Perocco, Santa Barbara, Calif. Carbonated beverage. Serial No. 402,102; May 31. Class 45.

Sachs, Dr., Laboratories, Inc., Chicago, Ill. Mineral oil, rubbing alcohol compound, witch hasel, etc. Serial No. 404,248; May 31. Class 6.

Sager, Abraham, doing business as Paramount Wedding Ring Company, Chicago, Ill. Finger rings and wedding rings. Serial No. 404,726; May 31. Class 28.

Schainman Sportwear Co., New York, N. Y. Clothing. Serial No. 404,379; May 31. Class 39.

Schumacher, Hans H., doing business as Bee Line Honey Co., Alhambra, Calif. Honey. Serial No. 401,198; May 31. Class 46.

Schwab, S. M., Jr., & Co., New York, N. Y. Piece goods and drapes. Serial No. 404,137; May 31. Class 42.

Shu-Stiles, Incorporated, St. Louis, Mo. Women's shoes. Serial No. 404,910; May 31. Class 39.

Simpson, Wm., Sons & Co., Inc., Philadelphia, Pa. Cotton piece goods. Serial No. 404,958; May 31. Class 42.

Smith, James A., Philadelphia, Pa. General antiseptic, mouth wash, gargle, douche, etc. Serial No. 404,586; May 31. Class 6.

Smoo Manufacturing Company, Limited, The, Wrexham, North Wales. Pre-shave lotions. Serial No. 403,334; May 31. Class 4.

Snap-On Tools Corporation, Kenosha, Wis. Wrenches and tools. Serial No. 400,474; May 31. Class 23.

Stanco Incorporated, Wilmington, Del., and New York, N. Y. Insecticides. Serial No. 403,283; May 31. Class 6.

Stanley Works, The, New Britain, Conn. Hinges, hasps and staples, sash and clothes line pulleys, etc. Serial No. 402,144; May 31. Class 13.

Stensgaard, W. L., & Associates, Inc., Chicago, Ill. Thin metal strips. Serial No. 404,064; May 31. Class 13.

Sterling Aluminum Products Inc., St. Louis, Mo. Aluminum pistons. Serial No. 403,430; May 31. Class 23.

Swartzbaugh Manufacturing Company, The, doing business as Bancroft Manufacturing Company, Toledo, Ohio. Electric cooking appliances. Serial No. 403,708; May 31. Class 21.

Thomas, Frank, Co. Inc., Norfolk, Va. Naval service wearing apparel. Serial No. 393,740; May 31. Class 39.

Trinity Portland Cement Company, Chicago, Ill. Cement. Serial No. 404,334; May 31. Class 12.

Trojan Hat Co. Inc., New York, N. Y. Ladies' hats. Serial No. 404,423; May 31. Class 39.

Trzet, W. (See Trzetrzewinski.)

Trzetrzewinski, Wladyslaw, known as W. Trzet, Hoboken, N. J. Cake. Serial Nos. 404,408–9; May 31. Class 46.

Turner, Taub & Mandel, San Francisco, Calif. Ladies' coats. Serial No. 404,066; May 31. Class 39.

Undergarment Manufacturing Company, Fort Wayne, Ind. Ladies', misses', and children's undergarments. Serial No. 403,619; May 31. Class 39.

United States Gypsum Company, Chicago, Ill. Asbestos pipe coverings. Serial No. 390,876; May 31. Class 12.

U. S. Knitwear Corp., New York, N. Y. Women's, misses', and children's jackets. Serial No. 404,097; May 31. Class 39.

United States Rubber Products, Inc., New York, N. Y. Aromatics. Serial Nos. 375,866–7; May 31. Class 6.

Universal Utility Company, Gloversville, N. Y. Liquid glass cleaner. Serial No. 405,227; May 31. Class 4.



LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Vanderbilt, R. T., Company, Inc., New York, N. Y. Zinc dibutyldithiocarbamate. Serial No. 404,425; May 31. Class 6.

Vazah, Inc., New York, N. Y. Buttons. Serial No. 404,020; May 31. Class 40.

Vereinigte Deutsche Metallwerke Aktiengesellschaft, Frankfort-on-the-Main-Heddernheim, Germany. Metal clad, thermal insulating, and waterproofing materials. Serial No. 402,804; May 31. Class 12.

Vereinigte Deutsche Metallwerke Aktiengesellschaft, Frankfort-on-the-Main-Heddernheim, Germany. Metallic thermal insulating and waterproofing material. Serial No. 402,831; May 31. Class 12.

Vereinigte Deutsche Metallwerke Aktiengesellschaft, Frankfort-on-the-Main-Heddernheim, Germany. Metal tubes and tubing. Serial No. 405,143; May 31. Class 13.

Vibo Products Co. (See Bolegh, Sidney D.)

Warr Fire Extinguisher Company, Incorporated, The, Baltimore, Md. Fire extinguishing compounds. Serial No. 400,076; May 31. Class 6.

Wenger, Harold A. E., doing business as Regnew Laboratories, Madison, Wis. Insect-repellent materials, waterproofing material and color preservative. Serial No. 400,714; May 31. Class 6.

Westberg, Gustave E., doing business as Buckle Proof Lath Co., Los Angeles, Calif. Building lath. Serial No. 375,413; May 31. Class 12.

Western Grain Company, Birmingham, Ala. Hominy feed for stock and supplement for dairy feed. Serial No. 404,143; May 31. Class 46.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrostatic air cleaners and air conditioners. Serial No. 401,008; May 31. Class 34.

Westinghouse X-Ray Company, Inc., Long Island City, N. Y. Apparatus for making radiographic and fluoroscopic diagnostic examinations. Serial Nos. 404,144–5; May 31. Class 44.

Winthrop Chemical Company, Inc., New York, N. Y. Extract of the cortex of the suprarenal gland used in Addison's disease, etc. Serial No. 402,229; May 31. Class 6.

Wohl Shoe Company, St. Louis, Mo. Shoes, slippers, pumps, etc. Serial No. 404,278; May 31. Class 39.

Woodward, Arthur J., doing business as Glastic Glass Cement Mfg., Los Angeles, Calif. Glass cement. Serial No. 404,156; May 31. Class 6.

Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen piece goods. Serial No. 405,044; May 31. Class 42.

Wulf Bros., Inc., New York, N. Y. Suits, overcoats, and topcoats. Serial No. 404,787; May 31. Class 39.

Wyeth, John, and Brother, Incorporated, Philadelphia, Pa. Emulsoid of aluminum hydroxide. Serial No. 402,660; May 31. Class 6.

Yankee Food Prod. Co. (See Belskis, Albert.)

Zoro Company, The. (See Master Brands, Inc.)

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, as amended June 20, 1936]

Master, Wardens, Searchers, Assistants and Commonalty of the Company of Cutlers in Hallamshire in the County of York, The, Sheffield, England. Grinding machines and parts thereof. Serial No. 391,896; May 31. Class 23.

# LIST OF REGISTRANTS OF TRADE-MARKS

A. B. C. Brewing Corporation, St. Louis, Mo., assignor to Terre Haute Brewing Co., Inc. Beer. 357,243; May 31; Serial No. 351,961; published July 17, 1934. Class 48.

Abdoff Health Belt Company. (See Maneck, Sheri.)

Absorene Manufacturing Company, The, St. Louis, Mo. Paint-cleaner. 123,008; renewed Oct. 8, 1938.

Agfa Ansco Corporation, Binghamton, N. Y. Sensitized photographic film. 357,337; May 31; Serial No. 402,165; published Mar. 22, 1938. Class 26.

Ainslie & Heilbron (Distillers) Limited, Glasgow, Scotland. Scotch whisky. 357,340; May 31; Serial No. 402,211; published Mar. 22, 1938. Class 49.

American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y., to The American Sugar Refining Company, New York, N. Y. Molasses. 121,536; renewed May 7, 1938.

American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y., to The American Sugar Refining Company, New York, N. Y. Syrup. 121,537; renewed May 7, 1938.

American Traveling Goods Co., Inc., Boston, Mass. Utility cases. 357,327; May 31; Serial No. 401,976; published Mar. 22, 1938. Class 3.

Appleton Coated Paper Co., The, Appleton, Wis. Surface coated two side post card stock. 357,281; May 31; Serial No. 399,265; published Mar. 22, 1938. Class 37.

Arch-Heeler Company. (See Swant, Harold F.)

Armour and Company of Delaware. (See Morris & Company, assignor.)

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Blended scotch type whiskey. 357,342; May 31; Serial No. 402,361; published Mar. 22, 1938. Class 49.

Automatic Burner Corporation, Chicago, Ill. Oil burners and parts thereof. 357,366–7; May 31. Class 34.

B. V. D. Corporation, The, Baltimore, Md. Women's sport shirts. 357,347; May 31; Serial No. 402,463; published Mar. 22, 1938. Class 39.

Bacmo Postman Corporation, New York, N. Y. Glove leather. 357,313; May 31; Serial No. 401,425; published Mar. 22, 1938. Class 1.

Bacon-Scott Company, Inc., New York, N. Y. Hosiery. 357,341; May 31; Serial No. 402,213; published Mar. 22, 1938. Class 39.

Band-It Company, Denver, Colo. Hose clamps and parts thereof. 357,306; May 31; Serial No. 401,101; published Mar. 22, 1938. Class 13.

Barbary Sportswear Co., New York, N. Y. Sweaters, bathing suits, trunks, etc. 357,251; May 31; Serial No. 387,237; published Mar. 15, 1938. Class 39.

Barcalo Manufacturing Company, Buffalo, N. Y. Convertible couches and beds. 357,258; May 31; Serial No. 395,559; published Mar. 22, 1938. Class 32.

Beckher-Otte, Inc., New York, N. Y. Manicure implements. 357,247; May 31; Serial No. 385,826; published Mar. 22, 1938. Class 44.

Binney & Smith Co., New York, N. Y. Ground shale. 357,301; May 31; Serial No. 400,825; published Mar. 22, 1938. Class 1.

Blackhawk Mfg. Co., Milwaukee, Wis. Wrenches. 357,276; May 31; Serial No. 398,340; published Mar. 22, 1938. Class 23.

Blair, J. C., Company, Huntingdon, Pa., assignor to Western Tablet & Stationery Corporation, Dayton, Ohio. Paper and stationery. 123,015; renewed Oct. 8, 1938.

Blatchford's Calf Meal Factory, Waukegan, Ill., now by change of name Blatchford Calf Meal Co. Foods. 120,328; renewed Feb. 5, 1938.

Blatchford's Calf Meal Factory, Waukegan, Ill., now by change of name Blatchford Calf Meal Co. Meal, calf-meal, pig-meal, etc. 120,819; renewed Mar. 12, 1938.

Bloomingdale Bros., Inc., New York, N. Y. Hand luggage. 357,373; May 31. Class 3.

Boehm, Edward, Tampa, Fla. Pottery statuettes and bric-a-brac. 357,272; May 31; Serial No. 397,597; published Mar. 22, 1938. Class 50.

Boker, H., & Co. Inc., New York, N. Y. Metals. 123,090; renewed Oct. 15, 1938.

Borden Company, The. (See Monroe Cheese Co., The, assignor.)

Borden Company, The. (See New York Condensed Milk Company, assignor.)

Boye Needle Company, The, Chicago, Ill. Sewing machine needles. 357,295; May 31; Serial No. 400,549; published Mar. 22, 1938. Class 23.

Brown Instrument Company, The, Philadelphia, Pa. Measuring and control instruments and apparatus. 357,338; May 31; Serial No. 402,175; published Mar. 22, 1938. Class 26.

Chopak Textile Co. Inc., New York, N. Y. Rayon and acetate cloth in the piece. 357,324; May 31; Serial No. 401,848; published Mar. 22, 1938. Class 42.

Cohen, D. & H., Glasgow, Scotland. Kilts. 357,254; May 31; Serial No. 389,232; published Mar. 22, 1938. Class 39.

Cohen, S., & Company, New York, N. Y. Slips. 357,339; May 31; Serial No. 402,177; published Mar. 22, 1938. Class 39.

Commercial Laboratories, Inc., Newark, N. Y. Preparation in powder form to be used as a substitute for eggs. 123,025; renewed Oct. 8, 1938.

Cox, Ralph F., Atlanta, Ga. Wheat flour. 357,288; May 31; Serial No. 400,291; published Mar. 22, 1938. Class 46.
Crudginton, Clifford T., Bridgeport, Conn. Stationery. 357,267; May 31; Serial No. 396,981; published Mar. 22, 1938. Class 37.
Dayton Malleable Iron Co., The, Dayton, Ohio. Malleable-iron castings. 123,108; renewed Oct. 15, 1938.
Decker, Alfred, & Cohn, Inc., Chicago, Ill. Men's suits. 357,345; May 31; Serial No. 402,417; published Mar. 22, 1938. Class 39.
Detroit Soluble Oil Co., Detroit, Mich., assignor, by mesne assignments, to The Pure Oil Company, Chicago, Ill. Lubricating-oils. 121,602; renewed May 14, 1938.
Dick, A. B., Company, Chicago, Ill. Brushes. 357,328; May 31; Serial No. 401,990; published Mar. 22, 1938. Class 29.
Dress-O-Grams, Philadelphia, Pa. Patterns for women's and children's clothes. 357,265; May 31; Serial No. 399,922; published Mar. 22, 1938. Class 26.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Rubber-coated fabrics for upholstery purposes. 357,268; May 31; Serial No. 397,025; published Mar. 22, 1938. Class 50.
Edison, Thomas A., Incorporated, West Orange, N. J. Dictating-machines. 123,028; renewed Oct. 8, 1938.
Electro-Converter Co., Chicago, Ill. Current transformers and rectifiers. 357,273; May 31; Serial No. 397,650; published Mar. 22, 1938. Class 21.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing-tackle. 123,029–31; renewed Oct. 8, 1938.
Evr-Klean Seat Pad Co., St. Louis, Mo. Vehicle seat covers and pads. 357,358; May 31. Class 19.
F. D. & M. Beverage Co., Jersey City, N. J. Whiskey. 357,322; May 31; Serial No. 401,773; published Mar. 22, 1938. Class 49.
Falstaff Brewing Corporation. (See Griesedieck Beverage Company.)
Faries Manufacturing Company. (See Peters, Henry M., assignor.)
Fink, Edward, Clothing Co., Inc., New York, N. Y. Suits, overcoats, topcoats, etc. 357,292; May 31; Serial No. 400,455; published Mar. 22, 1938. Class 39.
Folsom Company, The, Dallas, Tex. Electric fans. 357,252; May 31; Serial No. 387,961; published Mar. 22, 1938. Class 21.
For-A-Shave Co. (See Jepson, Emmanuel.)
Frozen Novelties, Inc., Long Island City, N. Y. Frozen confections. 357,323; May 31; Serial No. 401,777; published Mar. 22, 1938. Class 46.
Fulton Iron Works Company, St. Louis, Mo. Sugar-mill machinery, Corliss engines, oil-engines, etc. 121,286; renewed Apr. 23, 1938.
Gimbel Brothers, Inc., New York, N. Y. Sheets, blankets, and comforters. 357,349; May 31; Serial No. 402,519; published Mar. 22, 1938. Class 42.
Giroux Company, Inc., New York, N. Y. Worcestershire sauce. 357,374; May 31. Class 46.
Gitlin, H. A., & Co., New York, N. Y. Rayon lining in the piece. 357,298; May 31; Serial No. 400,639; published Mar. 22, 1938. Class 42.
Globe-Union Inc., Milwaukee, Wis. Truck assemblies employed with toy scooters. 357,359; May 31. Class 22.
Goldstein & Levin, Philadelphia, Pa. Dresses. 357,319; May 31; Serial No. 401,741; published Mar. 22, 1938. Class 39.
Gorton-Pew Fisheries Co., assignor to The Gorton-Pew Fisheries Co. Ltd., Gloucester, Mass. Dried boneless fish. 123,346; renewed Oct. 29, 1938.
Grafton, Walter M., doing business as Merchants Cash Register Co., Philadelphia, Pa. Cash registers, coin-counting devices, etc. 357,365; May 31. Class 26.
Graham, Clifford S., Columbus, Ohio. Medicinal salve. 357,279; May 31; Serial No. 398,899; published Jan. 18, 1938. Class 6.
Graham Manufacturing Company, Holyoke, Mass. Paper napkins, paper towels, toilet paper. 357,325; May 31; Serial No. 401,859; published Mar. 22, 1938. Class 37.
Griesedieck Beverage Company, to Falstaff Brewing Corporation, St. Louis, Mo., successor. Beverage of a malt nature. 118,770; renewed Oct. 2, 1937.
Gro-Lux, Inc., St. Paul, Minn. Fertilizers. 357,256; May 31; Serial No. 394,081; published Sept. 14, 1937. Class 10.
Gunther Brewing Company, Inc., Baltimore, Md. Beer. 357,315; May 31; Serial No. 401,544; published Mar. 22, 1938. Class 48.
Hays, Daniel, Company, The, Gloversville, N. Y. Leather gloves. 123,236; renewed Oct. 22, 1938.
Henney Motor Company, Freeport, Ill. Motor hearses and ambulances, convertible motor hearses and ambulances, etc. 357,255; May 31; Serial No. 393,711; published Mar. 22, 1938. Class 19.
Holbrook Mfg. Co., The, Jersey City, N. J. Scouring soap. 357,299; May 31; Serial No. 400,642; published Mar. 22, 1938. Class 4.
Hood, R. H., Company, Philadelphia, Pa. Leather aprons or belts. 357,348; May 31; Serial No. 402,476; published Mar. 22, 1938. Class 35.
Hydraulic Press Mfg. Company, The, Mount Gilead, Ohio. Radial pumps, platen press, hot plate presses, etc. 357,274; May 31; Serial No. 397,756; published Mar. 22, 1938. Class 23.
Insel Company, The, Arlington, N. J. Plastic molding compositions. 357,275; May 31; Serial No. 397,757; published Mar. 15, 1938. Class 1.
Irwill Knitwear Corp., New York, N. Y. Knitted sweaters. 357,329; May 31; Serial No. 402,005; published Mar. 22, 1938. Class 39.
Jay, Edward G., Boston, Mass. Heating and cooling units. 357,253; May 31; Serial No. 388,322; published Mar. 22, 1938. Class 34.
Jepson, Emmanuel, doing business as For-A-Shave Co., Albert Lea, Minn. Brushless shaving cream. 357,257; May 31; Serial No. 395,384; published Mar. 22, 1938. Class 4.
Johnson Tire & Supply Co., Montgomery, Ala. Automobile storage batteries. 357,260; May 31; Serial No. 395,757; published Mar. 22, 1938. Class 21.
Kabushiki Kaisha Konishi Kotakudo Honten. (See Konishi, Koji, assignor.)
Kerk Guild, Inc., Whitesboro, N. Y. Toilet and bath soaps. 357,303; May 31; Serial No. 400,975; published Mar. 22, 1938. Class 4.
Key-O-File System, The, Asheville, N. C. Key rack. 357,286; May 31; Serial No. 400,060; published Mar. 22, 1938. Class 50.
King Grader Sales Co. (See Spayd, Walker H.)
Konishi, Koji, assignor to Kabushiki Kaisha Konishi Kotakudo Honten, Tokyo, Japan. Timepiece-glass. 123,250; renewed Oct. 22, 1938.
Krause, Friedrich W., doing business as Firma Max Krause, Hamburg, Germany. Nails, bathroom grab rails and towel rails, etc. 357,262; May 31; Serial No. 396,408; published Mar. 22, 1938. Class 13.
Kreider-Creveling Shoe Company. (See Tedcastle, A. W., & Co., assignor.)
Krey Packing Company, St. Louis, Mo. Hams. 357,259; May 31; Serial No. 395,717; published Mar. 22, 1938. Class 46.
La Maison Products, Inc., New York, N. Y. Cleaning fluid. 357,320; May 31; Serial No. 401,742; published Mar. 22, 1938. Class 4.
Lamont, Corliss & Company, New York, N. Y. Chocolate. 357,353; May 31. Class 46.
Lampl Sportswear Manufacturing Company, The, Cleveland, Ohio. Dresses, sweaters, and knitted coats. 357,294; May 31; Serial No. 400,487; published Mar. 22, 1938. Class 39.
Laucks, I. F., Inc., Seattle, Wash. Paints for brick, masonry and concrete purposes. 357,321; May 31; Serial No. 401,745; published Mar. 22, 1938. Class 16.
Laucks, I. F., Inc., Seattle, Wash. Glue. 357,354–5; May 31. Class 5.
Laughlin, Homer, China Company, The, Newell, W. Va. Earthenware. 357,284; May 31; Serial No. 399,815; published Jan. 25, 1938. Class 30.
Leiber, Allen, Chicago, Ill. Talismen. 357,334; May 31; Serial No. 402,095; published Mar. 22, 1938. Class 50.
Leonard, Eusemar, Miami, Fla. General tonic. 357,280; May 31; Serial No. 398,995; published Jan. 18, 1938. Class 6.
Light & Power Patented Utilities Co., Inc., New York, N. Y. Reflectors. 357,248; May 31; Serial No. 386,163; published Mar. 22, 1938. Class 34.
Lloyd Soap Co. Inc., New York, N. Y. Soap. 357,261; May 31; Serial No. 395,830; published Mar. 22, 1938. Class 4.
Loose-Wiles Biscuit Company, Long Island City, N. Y. Cookies, cakes, biscuits, etc. 357,269; May 31; Serial No. 397,292; published Jan. 11, 1938. Class 46.
Magee Carpet Company, The, Bloomsburg, Pa. Carpets and rugs. 357,343; May 31; Serial No. 402,395; published Mar. 22, 1938. Class 42.
Magee Carpet Company, The, Bloomsburg, Pa. Carpets and rugs. 357,344; May 31; Serial No. 402,403; published Mar. 22, 1938. Class 42.
Mahler, John S., assignor to Pet Specialties Company, Chicago, Ill. Animal play-straps. 357,287; May 31; Serial No. 400,063; published Feb. 8, 1938. Class 22.
Maison Geisweiller & Fils, Societe Anonyme, Nuits-Saint-Georges, France. Wine. 357,314; May 31; Serial No. 401,442; published Mar. 22, 1938. Class 47.
Mandee Fabrics, Inc., New York, N. Y. Textile fabrics. 357,375; May 31. Class 42.
Maneck, Sheri, doing business as Abdoff Health Belt Company, Hollywood, Calif. Health belts or body braces. 357,302; May 31; Serial No. 400,892; published Mar. 22, 1938. Class 44.
Marchand, A., Inc., New York, N. Y. Mirrors. 357,249; May 31; Serial No. 387,138; published Mar. 22, 1938. Class 32.
May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Denver, Colo.; Los Angeles, Calif.; and St. Louis, Mo. Electrical vacuum cleaners. 357,361; May 31. Class 21.
Merchants Cash Register Co. (See Grafton, Walter M.)
Metcalf, Louie F., Greenville, Ala. Men's and boys' suits. 357,308; May 31; Serial No. 401,222; published Mar. 22, 1938. Class 39.
Miller and Hart, Inc., Chicago, Ill. Ham. 357,360; May 31. Class 46.
Monroe Cheese Co., The, Monroe, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Cheese. 122,603; renewed Aug. 27, 1938.
Morris & Company, assignor, by mesne assignments, to Armour and Company of Delaware, Chicago, Ill. Vegetable shortening. 123,260; renewed Oct. 22, 1938.



National Water Main Cleaning Co., to National Water Main Cleaning Co., New York, N. Y., successor. Machines for cleaning water-mains and boiler-tubes. 122,517; renewed Aug. 20, 1938.
New York Condensed Milk Company, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Condensed milk. 15,801; re-renewed Aug. 21, 1938.
Nobs Chemical Company, Los Angeles, Calif. Liquid metal paint. 357,330; May 31; Serial No. 402,013; published Mar. 22, 1938. Class 16.
O'Brien Varnish Company, South Bend, Ind. Enamel paint. 123,151; renewed Oct. 15, 1938.
Omar Mills, Inc., Omaha, Nebr. Wheat flour. 357,331–2; May 31; Serial Nos. 402,014–5; published Mar. 22, 1938. Class 46.
Owens-Illinois Glass Company, Toledo, Ohio. Caps or closures for containers. 357,356; May 31. Class 50.
Palmer House Company, Chicago, Ill. Whiskies, brandies, gins, etc. 357,282; May 31; Serial No. 399,566; published Mar. 22, 1938. Class 49.
Palmer House Company, Chicago, Ill. Wines. 357,283; May 31; Serial No. 399,567; published Mar. 22, 1938. Class 47.
Pell, John W., Leicester, England. Ladies' sports coats, trousers, golf jackets, etc. 357,278; May 31; Serial No. 398,485; published Mar. 22, 1938. Class 39.
Pennsylvania Distilling Co., Inc., Logansport and Philadelphia, Pa. Whiskey. 357,350; May 31; Serial No. 402,539; published Mar. 22, 1938. Class 49.
Peters, Henry M., Chicago, assignor to Faries Manufacturing Company, Decatur, Ill. Portable electric lamps. 121,327; renewed Apr. 23, 1938.
Peterson's Tobacco Corporation, New York, N. Y. Smoking tobacco. 357,304; May 31; Serial No. 401,074; published Mar. 22, 1938. Class 17.
Pet Specialties Company. (See Mahler, John S., assignor.)
Philadelphia and Reading Coal and Iron Company, The, Philadelphia, Pa. Anthracite coal. 357,311; May 31; Serial No. 401,350; published Mar. 22, 1938. Class 1.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Scratch brushes. 357,263; May 31; Serial No. 396,506; published Mar. 22, 1938. Class 29.
Potash Company of America, Baltimore, Md.; Atlanta, Ga.; and Carlsbad, N. Mex. Muriate of potash. 357,289; May 31; Serial No. 400,310; published Mar. 22, 1938. Class 10.
Precision Devices, Inc., Chicago, Ill. Oil burners and parts. 357,363–4; May 31. Class 34.
Prest-O-Lite Company, Inc., The, New York, N. Y. Apparatus for detecting leakage of gases. 357,296; May 31; Serial No. 400,569; published Mar. 22, 1938. Class 26.
Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 357,371; May 31. Class 4.
Pure Oil Company, The. (See Detroit Soluble Oil Co., assignor.)
Radiart Corporation, The, East Cleveland, Ohio. Radio and electrical power supply units and parts therefor. 357,335; May 31; Serial No. 402,141; published Mar. 22, 1938. Class 21.
Read Brothers, Limited, London, England. Beer. 357,293; May 31; Serial No. 400,467; published Mar. 22, 1938. Class 48.
Rees, Alfred A., New Haven, Conn. Frankfurter sandwich. 357,266; May 31; Serial No. 396,967; published Feb. 22, 1938. Class 46.
Sackman Brothers Company, New York, N. Y. Children's playsuits. 357,250; May 31; Serial No. 387,212; published Feb. 23, 1938. Class 39.
Sauer, C. F., Co., The, Richmond, Va. Food-flavoring extracts. 122,286; renewed July 16, 1938.
Screw Conveyor Corporation, Hammond, Ind. Elevator buckets. 357,369; May 31. Class 23.
Sealed Power Corporation, Muskegon, Mich. Piston rings. 357,305; May 31; Serial No. 401,079; published Mar. 22, 1938. Class 35.
Selvin, H. B., Westwood Furniture Company, Westwood, N. J. Mattresses and bed springs. 357,309; May 31; Serial No. 401,225; published Mar. 22, 1938. Class 32.
Seybold Paper Company, The, Cincinnati, Ohio. Paper boxes and merchandise envelopes. 357,312; May 31; Serial No. 401,403; published Mar. 22, 1938. Class 2.
Shell Petroleum Corporation. (See Western Oil Refining Company, assignor.)
Simon, L. M., & Co., Rochester, N. Y. Impregnated tape for electrical use. 357,270; May 31; Serial No. 397,307; published Mar. 22, 1938. Class 21.
Socony-Vacuum Oil Company, Incorporated. (See White Eagle Petroleum Company, The, assignor.)
Spayd, Walker H., doing business as King Grader Sales Co., Van Wert, Ohio. Graders for potatoes, onions and similar vegetables, cleaners for potatoes, onions and similar vegetables, etc. 357,368; May 31. Class 23.
Spiegel, Walter, New York, N. Y. Intercommunicating telephone sets. 357,370; May 31. Class 21.
Sponge Rubber Products Company, The, Derby, Conn. Floor rugs and drapeable sheet coverings of rubber composition. 357,290; May 31; Serial No. 400,389; published Mar. 22, 1938. Class 50.
Standard Brands Incorporated, New York, N. Y. Coffee. 357,326; May 31; Serial No. 401,875; published Mar. 22, 1938. Class 46.
Starline Inc., Harvard, Ill. Grill and fan door, window and wall ventilators, ventilating fans. 357,244; May 31; Serial No. 365,172; published Apr. 28, 1936. Class 34.
Steinhardt Company, Inc., The, New York, N. Y. Whiskey, gin, brandy, rum, etc. 357,300; May 31; Serial No. 400,802; published Mar. 22, 1938. Class 49.
Sunrise Brewing Co., The, Cleveland, Ohio. Ale. 357,352; May 31; Serial No. 402,798; published Mar. 22, 1938. Class 48.
Swant, Harold F., doing business as Arch-Heeler Company, Council Bluffs, Iowa. Arch supports. 357,316; May 31; Serial No. 401,586; published Mar. 22, 1938. Class 44.
Syracuse Smelting Works, Brooklyn, N. Y. Type-metal alloys. 123,172; renewed Oct. 15, 1938.
Tamworth Associates, Inc., Needham, Mass. Glassware. 357,277; May 31; Serial No. 398,414; published Mar. 22, 1938. Class 26.
Tatra Works Ltd., Prague-Smichov, Czechoslovakia. Forced draft vehicle ventilators. 357,264; May 31; Serial No. 396,701; published Mar. 22, 1938. Class 34.
Taylor, James R., Sr., Charlotte, N. C. Period furniture reproductions of highboys, chairs, etc. 357,271; May 31; Serial No. 397,427; published Mar. 22, 1938. Class 32.
Taylor & Williams Distilleries, Inc., Louisville, Ky. Whiskey. 357,317; May 31; Serial No. 401,588; published Mar. 22, 1938. Class 49.
Tedcastle, A. W., & Co., assignor, by mesne assignments, to Kreider-Creveling Shoe Company, Boston, Mass. Shoes. 123,293; renewed Oct. 22, 1938.
Terre Haute Brewing Co. (See A. B. C. Brewing Corporation, assignor.)
Thomas, Chester L., doing business as Thomas Quilt Factories, Denver, Colo. Quilts, pads. 357,310; May 31; Serial No. 401,282; published Mar. 22, 1938. Class 42.
Tidy Products Corporation, New York, N. Y. Infant's or child's sleeping garment. 357,333; May 31; Serial No. 402,035; published Mar. 22, 1938. Class 39.
Tower Varnish & Dryer Company, The, Dayton, Ohio. Paint-oils, varnishes, driers, etc. 121,357; renewed Apr. 23, 1938.
Trico Fuse Mfg. Co., Milwaukee, Wis. Electric fuses. 357,336; May 31; Serial No. 402,148; published Mar. 22, 1938. Class 21.
Uhlemann Optical Co. of Illinois, Chicago, Ill. Ophthalmic mountings and parts thereof. 357,291; May 31; Serial No. 400,392; published Mar. 22, 1938. Class 26.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns. 357,245; May 31; Serial No. 377,760; published Mar. 15, 1938. Class 43.
Ultra Manufacturing Co., Inc., New York, N. Y. Saws including saw blades and saw handles. 357,372; May 31. Class 23.
Universal Wine & Liquor Co., Chicago, Ill. Alcoholic bitters. 357,346; May 31; Serial No. 402,454; published Mar. 22, 1938. Class 49.
U-Select-It Corporation, The, Dover, Del. Vending machines. 357,362; May 31. Class 23.
Viviano, V., & Bros., Macaroni Mfg. Co., Inc., St. Louis, Mo. Alimentary pastes. 357,246; May 31; Serial No. 382,540; published Mar. 22, 1938. Class 46.
Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey and gin. 357,351; May 31; Serial No. 402,613; published Mar. 22, 1938. Class 49.
Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 357,357; May 31. Class 49.
Wamsutta Mills, New Bedford, Mass. Shirts, shorts, slacks, etc. 357,265; May 31; Serial No. 396,851; published Mar. 22, 1938. Class 39.
Webb, Arthur M., assignor to A. M. Webb & Co., Inc., New York, N. Y. Knitted underwear and bathing-suits, etc. 122,764; renewed Sept. 10, 1938.
West Branch Novelty Company, Milton, Pa. Cedar chests. 357,297; May 31; Serial No. 400,623; published Mar. 22, 1938. Class 32.
Western Oil Refining Company, Indianapolis, Ind., assignor to Shell Petroleum Corporation, St. Louis, Mo. Gasolene. 122,247; renewed July 9, 1938.
Western Oil Refining Company, Indianapolis, Ind., assignor to Shell Petroleum Corporation, St. Louis, Mo. Gasolene. 122,334; renewed Sept. 17, 1938.
Western Tablet & Stationery Corporation. (See Blair, J. C., Company, assignor.)
White Eagle Petroleum Company, The, Chanute, Kans., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Oils and greases. 121,989; renewed June 11, 1938.
Winthrop and Ward, Incorporated, New York, N. Y. Dry cleaner. 357,307; May 31; Serial No. 401,124; published Mar. 22, 1938. Class 4.
Yankee Metal Products Corp., Norwalk, Conn. Vehicle rearview mirrors. 357,318; May 31; Serial No. 401,592; published Mar. 22, 1938. Class 19.

# LIST OF REGISTRANTS OF LABELS

American Exterminator Company. (See Brown, Herman M.)
American Pop Corn Company, Sioux City, Iowa. Krispy Korn Krunch. For Pop Corn. 51,229; May 31.
Anderson, J. W. Peter, Brooklyn, N. Y. Manipulation. For a Game. 51,254; May 31.
Borden Company, The, New York, N. Y. Borden's Sweetened Chocolate Flavored Malted Milk. For Malted Milk. 51,230; May 31.
Brown, Herman M., doing business as American Exterminator Company, Laurel, Md. Sure Shot Roach Killer. For Roach Powder. 51,231; May 31.
Burquest, W. E., Sarasota, Fla. Web. For Celery. 51,232; May 31.
Burquest, W. E., Sarasota, Fla. Burks. For Celery. 51,233; May 31.
Clayton, A. C., Printing Co., St. Louis, Mo. Fine Footwear. For Footwear. 51,234; May 31.
Clayton, A. C., Printing Co., St. Louis, Mo. Exclusive Footwear. For Footwear. 51,235; May 31.
Clayton, A. C., Printing Co., St. Louis, Mo. Fine Footwear. For Footwear. 51,236–7; May 31.
Clayton, A. C., Printing Co., St. Louis, Mo. Exquisite Footwear. For Footwear. 51,238; May 31.
Clayton, A. C., Printing Co., St. Louis, Mo. Fine Footwear. For Footwear. 51,239; May 31.
Comfort Paper Corporation, San Francisco, Calif. Zee Ivory White Tissue—Try 1 Roll Free! With the Purchase of 3 . . . All 4 Rolls for the Price of 3. For Toilet Tissue. 51,240; May 31.
Comfort Paper Corporation, San Francisco, Calif. Zee—Ivory White Tissue—Save Family Size Package. For Toilet Tissue. 51,241; May 31.
Dickinson, Allan L., San Antonio, Tex. For Eggs Only. For Eggs. 51,242; May 31.
Gilbert, A. C., Company, The, New Haven, Conn. Gilbert Microscope Set. For Microscope Sets. 51,243; May 31.
Golden State Company, Ltd., Wilmington, Del., and San Francisco, Calif. Cream O'Gold Brand Butter. For Butter. 51,244; May 31.
Hoague-Sprague Corporation, Lynn, Mass. Finchley. For Boxes. 51,245; May 31.
Hoague-Sprague Corporation, Lynn, Mass. Vanity Maid. For Boxes. 51,246; May 31.
Hoague-Sprague Corporation, Lynn, Mass. Martin's Shoes. For Boxes. 51,247; May 31.
Hoague-Sprague Corporation, Lynn, Mass. High-Lights of Fashion. For Boxes. 51,248; May 31.
Lee Baking Co., Fairbury, Nebr. Toastmaster Bread. For Bread. 51,249; May 31.
Los Angeles Brewing Co., Los Angeles, Calif. Zobelein's Eastside Bock Beer. For Bock Beer. 51,250; May 31.
Milliken, William B., Jr., Colorado Springs, Colo. Who's Lucky? For Beer. 51,251; May 31.
Murphy Ranch Company, East Whittier, Calif. Two Star. For Fresh Oranges. 51,252; May 31.
New Foods, Inc., Chicago, Ill. Cheese-Toasted Corn Bubbles. For Cereal-Base Food Product. 51,253; May 31.
Quick Charge Battery Company, Oklahoma City, Okla. Quick Charge. For Storage Batteries. 51,255; May 31.
Rivera, Jose E., New York, N. Y. El Prado Creamery Butter. For Butter. 51,256; May 31.
Salinas Brewing & Ice Company, Salinas, Calif. Rodeo. For Beer. 51,257; May 31.
Silk, Fred J., doing business as Silk's Fresh-Pop't Popcorn Company, Los Angeles, Calif. Silk's Fresh Pop't. Popped Popcorn. 51,258; May 31.
Standard Brands Incorporated, New York, N. Y. Chase and Sanborn. For Coffee. 51,259; May 31.
Stringham, Henry H., doing business as H. Stringham, New York, N. Y. Swingbal—The Game of Skill and a Quick Eye. For a Game. 51,260; May 31.
Webster, G. L., Co. Inc., Cheriton, Va. Aunt Susan. For Fresh Vegetables. 51,261; May 31.

# LIST OF REGISTRANTS OF PRINTS

Chilton Pen Company, Inc., The, Summit, N. J. Chilton Wing-Flow. For Fountain Pens, Pencils and Fountain Pen and Pencil Sets. 16,853; May 31.
Chilton Pen Company, Inc., The, Summit, N. J. Chilton Pens. For Fountain Pens, Pencils, and Fountain Pen and Pencil Sets. 16,854; May 31.
Cream of Wheat Corporation, The, Minneapolis, Minn. Um! Um! Home Baked Cookies in the House. For a Prepared Mixture for Making Cookies. 16,855; May 31.
Cream of Wheat Corporation, The, Minneapolis, Minn. Goodbye to This! A Prepared Mixture for Making Cookies. 16,856; May 31.
Cream of Wheat Corporation, The, Minneapolis, Minn. A New Freedom for the Housewife. For a Prepared Mixture for Making Cookies. 16,857; May 31.
Greiner, Orro R., Co., Newark, N. J. Modified Ostwald Viscometers. For Precision Instruments for Use in Determining the Bores of Viscometers. 16,858; May 31.
Hampden Brewing Company, Willimansett, Mass. You Get More Out of Hampden. For Ale and Beer. 16,859; May 31.
Hoffman, S. L., & Co., Inc., New York, N. Y. Hand Printed Dresses of Linolin Cotton Tablecloths. For Dresses. 16,860; May 31.
McIntosh, Harris, Toledo, Ohio. Get Down to the Point. For Fountain Pens. 16,861; May 31.
Nutrena Mills, Inc., Kansas City, Kans. Save with Triple 'V' in Dress Print Bags. For Poultry Feed. 16,862; May 31.
Parker Pen Company, The, Janesville, Wis. He Wrote America's Best Seller with America's Best-Selling Pen. For Fountain Pens, Mechanical Pencils and Ink. 16,863; May 31.
Perfection Cemetery Vase Co. (See Siegel, Nathan.)
Siegel, Nathan, doing business as Perfection Cemetery Vase Co., Washington, D. C. Perfection Cemetery Vase. For Cemetery Vases. 16,864–5; May 31.
Siegel, Nathan, doing business as Perfection Cemetery Vase Co., Washington, D. C. New Beauty for Your Cemetery Plot. For Cemetery Vases. 16,866; May 31.
Ushers, The, Pacific Palisades, Calif. 1938 Horoscope. For Printed Horoscopes and Astrological Forecasts. 16,867; May 31.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED

## CLASS 1

Coal, Anthracite. Philadelphia and Reading Coal and Iron Company. 357,311; May 31; Serial No. 401,350; published Mar. 22, 1938.
Leather, Glove. Racmo Postman Corporation. 357,313; May 31; Serial No. 401,425; published Mar. 22, 1938.
Molding compositions, Plastic. Insel Company. 357,275; May 31; Serial No. 397,757; published Mar. 15, 1938.
Shale, Ground. Binney & Smith Co. 357,301; May 31; Serial No. 400,825; published Mar. 22, 1938.

## CLASS 2

Boxes and merchandise envelopes, Paper. Seybold Paper Company. 357,312; May 31; Serial No. 401,403; published Mar. 22, 1938.

## CLASS 3

Cases, Utility. American Traveling Goods Co. 357,327; May 31; Serial No. 401,976; published Mar. 22, 1938.
Luggage, Hand. Bloomingdale Bros., Inc. 357,373; May 31.

## CLASS 4

Cleaner, Dry. Winthrop and Ward, Incorporated. 357,307; May 31; Serial No. 401,124; published Mar. 22, 1938.
Cleaning fluid. La Maison Products, Inc. 357,320; May 31; Serial No. 401,742; published Mar. 22, 1938.
Paint-cleaner. Absorene Manufacturing Company. 123,008; renewed Oct. 8, 1938.
Shaving cream, Brushless. E. Jepson. 357,257; May 31; Serial No. 395,384; published Mar. 22, 1938.
Soap. Lloyd Soap Co. Inc. 357,261; May 31; Serial No. 395,830; published Mar. 22, 1938.
Soap. Procter & Gamble Company. 357,371; May 31.
Soap, Scouring. Holbrook Mfg. Co. 357,299; May 31; Serial No. 400,642; published Mar. 22, 1938.
Soaps, Toilet and bath. Kerk Guild, Inc. 357,303; May 31; Serial No. 400,975; published Mar. 22, 1938.

## CLASS 5

Glue. I. F. Laucks, Inc. 357,354–5; May 31.

## CLASS 6

Salve, Medicinal. C. S. Graham. 357,279; May 31; Serial No. 398,809; published Jan. 18, 1938.





Tonic, General. E. Leonard. 357,280; May 31; Serial No. 398,995; published Jan. 18, 1938.

## CLASS 10

Fertilizers. Gro-Lux, Inc. 357,256; May 31; Serial No. 394,081; published Sept. 14, 1937.
Muriate of potash. Potash Company of America. 357,289; May 31; Serial No. 400,310; published Mar. 22, 1938.

## CLASS 13

Clamps and parts thereof, Hose. Band-It Company. 357,306; May 31; Serial No. 401,101; published Mar. 22, 1938.
Nails, bathroom grab rails and towel rails, etc. F. W. Krause. 357,262; May 31; Serial No. 396,408; published Mar. 22, 1938.

## CLASS 14

Alloys, Type-metal. Syracuse Smelting Works. 123,172; renewed Oct. 15, 1938.
Castings, Malleable-iron. Dayton Malleable Iron Co. 123,108; renewed Oct. 15, 1938.
Metals. H. Boker & Co. Inc. 123,090; renewed Oct. 15, 1938.

## CLASS 15

Gasolene. Western Oil Refining Company. 122,247; renewed July 9, 1938.
Gasolene. Western Oil Refining Company. 122,834; renewed Sept. 17, 1938.
Oils and greases. White Eagle Petroleum Company. 121,989; renewed June 11, 1938.
Oils, Lubricating. Detroit Soluble Oil Co. 121,602; renewed May 14, 1938.

## CLASS 16

Paint, Enamel. O'Brien Varnish Company. 123,151; renewed Oct. 15, 1938.
Paint, Liquid metal. Nobs Chemical Company. 357,330; May 31; Serial No. 402,013; published Mar. 22, 1938.
Paint-oils, varnishes, driers, etc. Tower Varnish & Dryer Company. 121,357; renewed Apr. 23, 1938.
Paints for brick, masonry and concrete purposes. I. F. Laucks, Inc. 357,321; May 31; Serial No. 401,745; published Mar. 22, 1938.

## CLASS 17

Tobacco, Smoking. Peterson's Tobacco Corporation. 357,304; May 31; Serial No. 401,074; published Mar. 22, 1938.

## CLASS 19

Hearses and ambulances, convertible motor hearses and ambulances, etc., Motor. Henney Motor Company. 357,255; May 31; Serial No. 393,711; published Mar. 22, 1938.
Mirrors, Vehicle rearview. Yankee Metal Products Corp. 357,318; May 31; Serial No. 401,592; published Mar. 22, 1938.
Seat covers and pads, Vehicle. Evr-Klean Seat Pad Co. 357,358; May 31.

## CLASS 21

Batteries, Automobile storage. Johnson Tire & Supply Co. 357,260; May 31; Serial No. 395,757; published Mar. 22, 1938.
Current transformers and rectifiers. Electro-Converter Co. 357,273; May 31; Serial No. 397,650; published Mar. 22, 1938.
Fans, Electric. Folsom Company. 357,252; May 31; Serial No. 387,961; published Mar. 22, 1938.
Fuses, Electric. Trico Fuse Mfg. Co. 357,336; May 31; Serial No. 402,148; published Mar. 22, 1938.
Lamps, Portable electric. H. M. Peters. 121,327; renewed Apr. 23, 1938.
Radio and electrical power supply units and parts therefor. Radiart Corporation. 357,335; May 31; Serial No. 402,141; published Mar. 22, 1938.
Tape for electrical use, Impregnated. L. M. Simon & Co. 357,270; May 31; Serial No. 397,307; published Mar. 22, 1938.
Telephone sets, Intercommunicating. W. Spiegel. 357,370; May 31.
Vacuum cleaners, Electrical. May Department Stores Company. 357,361; May 31.

## CLASS 22

Fishing-tackle. Enterprise Manufacturing Company. 123,029–31; renewed Oct. 8, 1938.
Play-straps, Animal. J. S. Mahler. 357,287; May 31; Serial No. 400,063; published Feb. 8, 1938.
Toy scooters, Truck assemblies employed with. Globe-Union Inc. 357,359; May 31.

## CLASS 23

Elevator buckets. Screw Conveyor Corporation. 357,369; May 31.
Graders for potatoes, onions, and similar vegetables; cleaners for potatoes, onions, and similar vegetables, etc. W. H. Spayd. 357,368; May 31.
Machines for cleaning water-mains and boiler-tubes. National Water Main Cleaning Co. 122,517; renewed Aug. 20, 1938.
Needles, Sewing machine. Boye Needle Company. 357,295; May 31; Serial No. 400,549; published Mar. 22, 1938.
Pumps, platen press, hot plate presses, etc., Radial. Hydraulic Press Mfg. Company. 357,274; May 31; Serial No. 397,756; published Mar. 22, 1938.
Saws including saw blades and saw handles. Ultra Manufacturing Co. 357,372; May 31.
Sugar-mill machinery, Corliss engines, oil-engines, etc. Fulton Iron Works Company. 121,286; renewed Apr. 23, 1938.
Vending machines. U-Select-It Corporation. 357,362; May 31.
Wrenches. Blackhawk Mfg. Co. 357,276; May 31; Serial No. 398,340; published Mar. 22, 1938.

## CLASS 26

Apparatus for detecting leakage of gases. Prest-O-Lite Company. 357,296; May 31; Serial No. 400,569; published Mar. 22, 1938.
Cash registers, coin-counting devices, etc. W. M. Grafton. 357,365; May 31.
Film, Sensitized photographic. Agfa Ansco Corporation. 357,337; May 31; Serial No. 402,165; published Mar. 22, 1938.
Glassware. Tamworth Associates, Inc. 357,277; May 31; Serial No. 398,414; published Mar. 22, 1938.
Measuring and control instruments and apparatus. Brown Instrument Company. 357,338; May 31; Serial No. 402,175; published Mar. 22, 1938.
Ophthalmic mountings and parts thereof. Uhlemann Optical Co. of Illinois. 357,291; May 31; Serial No. 400,392; published Mar. 22, 1938.
Patterns for women's and children's clothes. Dress-O-Grams. 357,285; May 31; Serial No. 399,922; published Mar. 22, 1938.

## CLASS 29

Brushes. A. B. Dick Company. 357,328; May 31; Serial No. 401,900; published Mar. 22, 1938.
Brushes, Scratch. Pittsburgh Plate Glass Company. 357,263; May 31; Serial No. 396,506; published Mar. 22, 1938.

## CLASS 30

Earthenware. Honier Laughlin China Company. 357,284; May 31; Serial No. 399,815; published Jan. 25, 1938.

## CLASS 32

Chests, Cedar. West Branch Novelty Company. 357,297; May 31; Serial No. 400,623; published Mar. 22, 1938.
Couches and beds, Convertible. Barcalo Manufacturing Company. 357,258; May 31; Serial No. 395,559; published Mar. 22, 1938.
Furniture reproductions of highboys, chairs, etc., Period. J. R. Taylor, Sr. 357,271; May 31; Serial No. 397,427; published Mar. 22, 1938.
Mattresses and bed springs. H. B. Selvin, Westwood Furniture Company. 357,309; May 31; Serial No. 401,225; published Mar. 22, 1938.
Mirrors. A. Marchand, Inc. 357,249; May 31; Serial No. 387,138; published Mar. 22, 1938.

## CLASS 33

Glass, Timepiece. K. Konishi. 123,250; renewed Oct. 22, 1938.

## CLASS 34

Grill and fan door, window and wall ventilators, ventilating fans. Starline Inc. 357,244; May 31; Serial No. 365,172; published Apr. 28, 1936.
Burners and parts, Oil. Precision Devices, Inc. 357,363–4; May 31.
Burners and parts thereof, Oil. Automatic Burner Corporation. 357,366–7; May 31.
Heating and cooling units. E. G. Jay. 357,253; May 31; Serial No. 388,322; published Mar. 22, 1938.
Reflectors. Light & Power Patented Utilities Co. 357,248; May 31; Serial No. 386,163; published Mar. 22, 1938.
Ventilators, Forced draft vehicle. Tatra Works Ltd. 357,264; May 31; Serial No. 396,701; published Mar. 22, 1938.

## CLASS 35

Leather aprons or belts. R. H. Hood Company. 357,348; May 31; Serial No. 402,476; published Mar. 22, 1938.
Piston rings. Sealed Power Corporation. 357,305; May 31; Serial No. 401,079; published Mar. 22, 1938.

## CLASS 36

Dictating-machines. Thomas A. Edison, Incorporated. 123,028; renewed Oct. 8, 1938.

## CLASS 37

Card stock, Surface coated two side post. Appleton Coated Paper Co. 357,281; May 31; Serial No. 399,265; published Mar. 22, 1938.
Paper and stationery. J. C. Blair Company. 123,015; renewed Oct. 8, 1938.
Paper napkins, paper towels, toilet paper. Graham Manufacturing Company. 357,325; May 31; Serial No. 401,859; published Mar. 22, 1938.

Stationery. C. T. Crudginton. 357,267; May 31; Serial No. 396,981; published Mar. 22, 1938.

CLASS 39

Coats, trousers, golf jackets, etc., Ladies' sports. J. W. Peil. 357,278; May 31; Serial No. 398,485; published Mar. 22, 1938.
Dresses. Goldstein & Levin. 357,319; May 31; Serial No. 401,741; published Mar. 22, 1938.
Dresses, sweaters and knitted coats. Lampl Sportswear Manufacturing Company. 357,294; May 31; Serial No. 400,487; published Mar. 22, 1938.
Garment, Infant's or child's sleeping. Tidy Products Corporation. 357,333; May 31; Serial No. 402,035; published Mar. 22, 1938.
Gloves, Leather. Daniel Hays Company. 123,236; renewed Oct. 22, 1938.
Hosiery. Bacon-Scott Company. 357,341; May 31; Serial No. 402,213; published Mar. 22, 1938.
Kilts. D. & H. Cohen. 357,254; May 31; Serial No. 399,232; published Mar. 22, 1938.
Playsuits, Children's. Sackman Brothers Company. 357,250; May 31; Serial No. 387,212; published Feb. 23, 1937.
Shirts, shorts, slacks, etc. Wamsutta Mills. 357,265; May 31; Serial No. 396,851; published Mar. 22, 1938.
Shirts, Women's sport. B. V. D. Corporation. 357,347; May 31; Serial No. 402,463; published Mar. 22, 1938.
Shoes. A. W. Tedcastle & Co. 123,293; renewed Oct. 22, 1938.
Slips. S. Cohen & Company. 357,339; May 31; Serial No. 402,177; published Mar. 22, 1938.
Suits, Men's. Alfred Decker & Cohn, Inc. 357,345; May 31; Serial No. 402,417; published Mar. 22, 1938.
Suits, Men's and boys'. L. F. Metcalf. 357,308; May 31; Serial No. 401,222; published Mar. 22, 1938.
Suits, overcoats, topcoats, etc. Edward Fink Clothing Co. 357,292; May 31; Serial No. 400,455; published Mar. 22, 1938.
Sweaters, bathing suits, trunks, etc. Barbary Sportswear Co. 357,251; May 31; Serial No. 387,237; published Mar. 15, 1938.
Sweaters, Knitted. Irwill Knitwear Corp. 357,329; May 31; Serial No. 402,005; published Mar. 22, 1938.
Underwear and bathing-suits, etc. A. M. Webb. 122,764; renewed Sept. 10, 1938.

CLASS 42

Carpets and rugs. Magee Carpet Company. 357,343; May 31; Serial No. 402,395; published Mar. 22, 1938.
Carpets and rugs. Magee Carpet Company. 357,344; May 31; Serial No. 402,403; published Mar. 22, 1938.
Fabrics, Textile. Mandee Fabrics, Inc. 357,375; May 31.
Quilts, pads. C. L. Thomas. 357,310; May 31; Serial No. 401,282; published Mar. 22, 1938.
Rayon and acetate cloth in the piece. Chopak Textile Co. Inc. 357,324; May 31; Serial No. 401,848; published Mar. 22, 1938.
Rayon lining in the piece. H. A. Gitlin & Co. 357,298; May 31; Serial No. 400,639; published Mar. 22, 1938.
Sheets, blankets, and comforters. Gimbel Brothers, Inc. 357,349; May 31; Serial No. 402,519; published Mar. 22, 1938.

CLASS 43

Yarns. Bernhard Ulmann Co. Inc. 357,245; May 31; Serial No. 377,760; published Mar. 15, 1938.

CLASS 44

Arch supports. H. F. Swant. 357,316; May 31; Serial No. 401,586; published Mar. 22, 1938.
Belts or body braces, Health. S. Maneck. 357,302; May 31; Serial No. 400,892; published Mar. 22, 1938.
Manicure implements. Beckher-Otte, Inc. 357,247; May 31; Serial No. 385,826; published Mar. 22, 1938.

CLASS 46

Cheese. Monroe Cheese Co. 122,603; renewed Aug. 27, 1938.
Chocolate. Lamont, Corliss & Company. 357,353; May 31.
Coffee. Standard Brands Incorporated. 357,326; May 31; Serial No. 401,875; published Mar. 22, 1938.
Confections, Frozen. Frozen Novelties, Inc. 357,323; May 31; Serial No. 401,777; published Mar. 22, 1938.
Cookies, cakes, biscuits, etc. Loose-Wiles Biscuit Company. 357,269; May 31; Serial No. 397,292; published Jan. 11, 1938.
Extracts, Food-flavoring. C. F. Sauer Co. 122,286; renewed July 16, 1938.
Fish, Dried boneless. Gorton-Pew Fisheries Co. 123,346; renewed Oct. 29, 1938.
Flour, Wheat. R. F. Cox. 357,288; May 31; Serial No. 400,291; published Mar. 22, 1938.
Flour, Wheat. Omar Mills, Inc. 357,331–2; May 31; Serial Nos. 402,014–5; published Mar. 22, 1938.
Foods. Blatchford's Calf Meal Factory. 120,328; renewed Feb. 5, 1938.
Ham. Miller and Hart, Inc. 357,360; May 31.
Hams. Krey Packing Company. 357,259; May 31; Serial No. 395,717; published Mar. 22, 1938.
Meal, calf-meal, pig-meal, etc. Blatchford's Calf Meal Factory. 120,819; renewed Mar. 12, 1938.
Milk, Condensed. New York Condensed Milk Company. 15,801; re-renewed Aug. 21, 1938.
Molasses. American Sugar Refining Company. 121,536; renewed May 7, 1938.
Pastes, Alimentary. V. Viviano & Bros., Macaroni Mfg. Co. 357,246; May 31; Serial No. 382,540; published Mar. 22, 1938.
Preparation in powder form to be used as a substitute for eggs. Commercial Laboratories, Inc. 123,025; renewed Oct. 8, 1938.
Sandwich, Frankfurter. A. A. Bees. 357,266; May 31; Serial No. 396,967; published Feb. 22, 1938.
Sauce, Worcestershire. Giroux Company. 357,374; May 31.
Shortening, Vegetable. Morris & Company. 123,260; renewed Oct. 22, 1938.
Syrup. American Sugar Refining Company. 121,537; renewed May 7, 1938.

CLASS 47

Wine. Maison Geisweiler & Fils, Societe Anonyme. 357,314; May 31; Serial No. 401,442; published Mar. 22, 1938.
Wines. Palmer House Company. 357,283; May 31; Serial No. 399,567; published Mar. 22, 1938.

CLASS 48

Ale. Sunrise Brewing Co. 357,352; May 31; Serial No. 402,798; published Mar. 22, 1938.
Beer. A. B. C. Brewing Corporation. 357,243; May 31; Serial No. 351,961; published July 17, 1934.
Beer. Gunther Brewing Company. 357,315; May 31; Serial No. 401,544; published Mar. 22, 1938.
Beer. Read Brothers, Limited. 357,293; May 31; Serial No. 400,467; published Mar. 22, 1938.
Beverage of a malt nature. Griesedieck Beverage Company. 118,770; renewed Oct. 2, 1937.

CLASS 49

Bitters, Alcoholic. Universal Wine & Liquor Co. 357,346; May 31; Serial No. 402,454; published Mar. 22, 1938.
Whiskey. F. D. & M. Beverage Co. 357,322 May 31; Serial No. 401,773; published Mar. 22, 1938.
Whiskey. Pennsylvania Distilling Co. 357,350; May 31; Serial No. 402,539; published Mar. 22, 1938.
Whiskey. Taylor & Williams Distilleries, Inc. 357,317; May 31; Serial No. 401,588; published Mar. 22, 1938.
Whiskey. Hiram Walker & Sons Inc. 357,357; May 31.
Whiskey and gin. Hiram Walker & Sons, Inc. 357,351; May 31; Serial No. 402,613; published Mar. 22, 1938.
Whiskey, Blended Scotch type. Austin, Nichols & Co. 357,342; May 31; Serial No. 402,361; published Mar. 22, 1938.
Whiskey, gin, brandy, rum, etc. Steinhardt Company. 357,300; May 31; Serial No. 400,803; published Mar. 22, 1938.
Whiskies, brandies, gins, etc. Palmer House Company. 357,282; May 31; Serial No. 399,566; published Mar. 22, 1938.
Whisky, Scotch. Ainslie & Heilbron (Distillers) Limited. 357,340; May 31; Serial No. 402,211; published Mar. 22, 1938.

CLASS 50

Caps or closures for containers. Owens-Illinois Glass Company. 357,356; May 31.
Floor rugs and drapeable sheet coverings of rubber composition. Sponge Rubber Products Company. 357,290; May 31; Serial No. 400,389; published Mar. 22, 1938.
Rack, Key. Key-O-File System. 357,286; May 31; Serial No. 400,060; published Mar. 22, 1938.
Rubber-coated fabrics for upholstery purposes. E. I. du Pont de Nemours and Company. 357,268; May 31; Serial No. 397,025; published Mar. 22, 1938.
Statuettes and bric-a-brac, Pottery. E. Boehm. 357,272; May 31; Serial No. 397,597; published Mar. 22, 1938.
Talismen. A. Leiber. 357,334; May 31; Serial No. 402,095; published Mar. 22, 1938.

## LIST OF LABELS

Aunt Susan. For Fresh Vegetables. G. L. Webster Co. Inc. 51,261; May 31.
Borden's Sweetened Chocolate Flavored Malted Milk. For Malted Milk. Borden Company. 51,230; May 31.
Burks. For Celery. W. E. Burquest. 51,233; May 31.
Chase and Sanborn. For Coffee. Standard Brands Incorporated. 51,259; May 31.
Cheese-Toasted Corn Bubbles. For Cereal-Base Food Product. New Foods, Inc. 51,253; May 31.
Cream O'Gold Butter. For Butter. Golden State Company. 51,244; May 31.
El Prado Creamery Butter. For Butter. J. E. Rivera. 51,256; May 31.



Exclusive Footwear. For Footwear. A. C. Clayton Printing Co. 51,235; May 31.
Exquisite Footwear. For Footwear. A. C. Clayton Printing Co. 51,238; May 31.
Finchley. For Boxes. Hoague-Sprague Corporation. 51,245; May 31.
Fine Footwear. For Footwear. A. C. Clayton Printing Co. 51,234; May 31.
Fine Footwear. For Footwear. A. C. Clayton Printing Co. 51,236–7; May 31.
Fine Footwear. For Footwear. A. C. Clayton Printing Co. 51,239; May 31.
For Eggs Only. For Eggs. A. L. Dickinson. 51,242; May 31.
Gilbert Microscope Set. For Microscope Sets.. A. C. Gilbert Company. 51,243; May 31.
High-Lights of Fashion. For Boxes. Hoague-Sprague Corporation. 51,248; May 31.
Krispy Korn Krunch. For Pop Corn. American Pop Corn Company. 51,229; May 31.
Manipulation. For a Game. J. W. P. Anderson. 51,254; May 31.
Martin's Shoes. For Boxes. Hoague-Sprague Corporation. 51,247; May 31.
Quick Charge. For Storage Batteries. Quick Charge Battery Company. 51,255; May 31.
Rodeo. For Beer. Salinas Brewing & Ice Company. 51,257; May 31.
Silk's Fresh Pop't. For Popped Popcorn. F. J. Silk. 51,258; May 31.
Sure Shoe Roach Killer. For Roach Powder. H. M. Brown. 51,231; May 31.
Swingbal—The Game of Skill and a Quick Eye. For a Game. H. H. Stringham. 51,260; May 31.
Toastmaster Bread. For Bread. Lea Baking Co. 51,249; May 31.
Two Star. For Fresh Oranges. Murphy Ranch Company. 51,252; May 31.
Vanity Maid. For Boxes. Hoague-Sprague Corporation. 51,246; May 31.
Web. For Celery. W. E. Burquest. 51,232; May 31.
Who's Lucky? For Beer. W. B. Milliken, Jr. 51,251; May 31.
Zee—Ivory White Tissue—Save Family Size Package. For Toilet Tissue. Comfort Paper Corporation. 51,241; May 31.
Zee Ivory White Tissue—Try 1 Roll Free! With the Purchase of 3 . . . All 4 Rolls for the Price of 3. For Toilet Tissue. Comfort Paper Corporation. 51,240; May 31.
Zobelein's Eastside Bock Beer. For Bock Beer. Los Angeles Brewing Co. 51,250; May 31.

## LIST OF PRINTS

A New Freedom for the Housewife. For a Prepared Mixture for Making Cookies. Cream of Wheat Corporation. 16,857; May 31.
Chilton Pens. For Fountain Pens, Pencils and Fountain Pen and Pencil Sets. Chilton Pen Company. 16,854; May 31.
Chilton Wing-flow. For Fountain Pens, Pencils and Fountain Pen and Pencil Sets. Chilton Pen Company. 16,853; May 31.
Get Down to the Point. For Fountain Pens. H. McIntosh. 16,861; May 31.
Goodbye to This! For a Prepared Mixture for Making Cookies. Cream of Wheat Corporation. 16,856; May 31.
Hand Printed Dresses of Linolin Cotton Tablecloths. For Dresses. S. L. Hoffman & Co. 16,860; May 31.
He Wrote America's Best Seller with America's Best-Selling Pen. For Fountain Pens, Mechanical Pencils, and Ink. Parker Pen Company. 16,863; May 31.
Modified Ostwald Viscometers. For Precision Instruments for Use in Determining the Bores of Viscometers. Orro R. Greiner Co. 16,858; May 31.
New Beauty for Your Cemetery Plot. For Cemetery Vases. N. Siegel. 16,866; May 31.
1938 Horoscope. For Printed Horoscopes and Astrological Forecasts. The Ushers. 16,867; May 31.
Perfection Cemetery Vase. For Cemetery Vases. N. Siegel. 16,864–5; May 31.
Save With Triple 'V' in Dress Print Bags. For Poultry Feed. Nutrena Mills, Inc. 16,862; May 31.
Um! Um! Home Baked Cookies in the House. For a Prepared Mixture for Making Cookies. Cream of Wheat Corporation. 16,855; May 31.
You Get More Out of Hampden. For Ale and Beer. Hampden Brewing Company. 16,859; May 31.

# LIST OF REISSUE PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 31ST DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Coats, Edward O., assignor of one-half to H. B. Stratton, five-twentieths to C. Rucker, and five-twentieths to I. Coats, Warrensburg, Mo. Producing paint solutions from rubber. Re. 20,742; May 31.

Coats, Irene, et al. (See Coats, Edward O., assignor.)

Ehnts, Fred H., Lansdowne, Pa. Lubricating nozzle. Re. 20,743; May 31.

Griggs, Stephen A. (See Higbee, James F., assignor.)

Higbee, James F., assignor of one-half to S. A. Griggs, Detroit, Mich. Brake. Re. 20,744; May 31.

Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drying leather and similarly tautly stretched units. Re. 20,745; May 31.

Kurowski, Alfred G. F., Brooklyn, N. Y., and J. A. B. Smith, Stamford, Conn., assignors to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and card-perforating machine. Re. 20,746; May 31.

Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)

Rucker, Cleo, et al. (See Coats, Edward O., assignor.)

Simpson, Herbert S., Chicago, Ill. Bearing seal for mulling machines. Re. 20,747; May 31.

Smith, Jesse A. B. (See Kurowski, A. G. F., and Smith.)

Stratton, Henry B., et al. (See Coats, Edward O., assignor.)

Underwood Elliott Fisher Company. (See Kurowski, A. G. F., and Smith, assignors.)

# LIST OF DESIGN PATENTEES

Abeles, Jerome, assignor to The Formfit Company, Chicago, Ill. Foundation garment. 109,931; May 31.

Adlake Company, The. (See McDonald, Sterling B., assignor.)

Adus, Isidore J., New York, N. Y. Signal device of a paging unit system. 109,883; May 31.

American Can Company. (See Lightfoot, J. B., and Trevisan, assignors.)

American-National Company, The. (See Snell, Samuel A., assignor.)

American Optical Company. (See Splaine, Edward M., assignor.)

American Safety Razor Corporation. (See Wilmet, Georges, assignor.)

Andrew, Vaughan L., Superior, Wis. Electric operated pump unit. 109,932; May 31.

Axelrod, Ellis. (See Grossman, A., and Axelrod.)

Belmont Radio Corporation. (See Marholz, Richard C., assignor.)

Bernardi, Anonte, A. Logli, and M. Zoppi, Detroit, Mich. Accordion. 109,884; May 31.

Buschman, Abraham L., New York, N. Y. Electric lamp or similar article. 109,907; May 31.

Buttermilk Dispensers. (See McHenry, Walter O., assignor.)

Caldwell, Charles H., Brockton, assignor to Geo. E. Keith Company, Campello, Mass. Shoe. 109,865; May 31.

Caldwell, Charles H., Brockton, assignor to Geo. E. Keith Company, Campello, Mass. Shoe. 109,866; May 31.

Caldwell, Charles H., Brockton, assignor to Geo. E. Keith Company, Campello, Mass. Shoe upper material. 109,867; May 31.

Cohen, Irving, New York, N. Y. Coat. 109,963; May 31.

Coleman, Ewell M., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 109,908; May 31.

Conway, Robert D., assignor to Universal Crusher Company, Cedar Rapids, Iowa. Crusher. 109,934; May 31.

Couse, Kibbey W., East Orange, N. J. Portable machine shop. 109,942; May 31.

Crane Co. (See Gracey, Robert G., assignor.)

Dannecker, Rudolph, Beacon, N. Y. Embroidered textile fabric or a similar article. 109,943; May 31.

Daust, Herbert, St. Louis, Mo. Shoe cleaning buffer. 109,944; May 31.

De Sakhnoffsky, Alexis, Philadelphia, Pa. Lighter. 109,885; May 31.

De Seversky, Alexander P., Asharoken Beach, Northport, assignor to Seversky Aircraft Corporation, Farmingdale, N. Y. Aircraft. 109,958; May 31.

De Seversky, Alexander P., Asharoken Beach, Northport, N. Y., assignor to Seversky Aircraft Corporation. Airplane. 109,959; May 31.

Dichter, Samuel J., New York, N. Y. Lady's slip. 109,945; May 31.

Downing, Sara O., East Cleveland, Ohio. Bib. 109,946; May 31.

Dunn, Anita S., Cedar Rapids, Iowa. Supporting bracket for a shelf or similar article. 109,886; May 31.

Ebling Walter, Rochester, N. Y. Shoe. 109,868; May 31.

Electro Manufacturing Co. (See Nemeroff, Victor, assignor.)

Electrolux Corporation. (See Guild, Lurelle, assignor.)

Emmerich, Theresa, New York, N. Y. Textile fabric. 109,960; May 31.

Engel, Alice, New York, N. Y. Dress. 109,935; May 31.

Epstein, Sylvia, New York, N. Y. Dress ensemble. 109,961; May 31.

Fordyce, Rufus G., Chicago, Ill. Switch cover plate or similar device. 109,887; May 31.

Formfit Company, The. (See Abeles, Jerome, assignor.)

Fostoria Glass Company. (See Sakier, George, assignor.)

Fracchia, Pauline, New York, N. Y. Dress. 109,962; May 31.

Fracchia, Pauline, New York, N. Y. Dress. 109,963; May 31.

Fuerst, Edwin W., assignor to Libbey Glass Company, Toledo, Ohio. Ashtray. 109,909; May 31.

Fuerst, Edwin W., assignor to Libbey Glass Company, Toledo, Ohio. Ashtray. 109,910; May 31.

Gantner & Mattern Company. (See Gantner, Vallejo, assignor.)

Gantner, Vallejo, Hollywood, assignor to Gantner & Mattern Company, San Francisco, Calif. Textile fabric. 109,947; May 31.

Goodman, Ben, Baltimore, Md. Tire. 109,911; May 31.

Goodstein, Lawrence, New York, N. Y. Comfortable. 109,964; May 31.

Goodstein, Lawrence, New York, N. Y. Comfortable. 109,965; May 31.

Gracey, Robert G., Oak Park, assignor to Crane Co., Chicago, Ill. Jacket for a shallow well pump. 109,888; May 31.

Grossman, Alex, Jersey City, N. J., and E. Axelrod, Brooklyn, N. Y. Embroidered textile fabric. 109,948; May 31.

Guild, Lurelle, Darien, Conn., assignor, by mesne assignments, to Electrolux Corporation, Dover, Del. Electrical connecter. 109,912; May 31.

Guthrie, James M., Pittsburgh, Pa. Bottle. 109,913; May 31.

Guthrie, James M., Pittsburgh, Pa. Bottle. 109,914; May 31.

Guthrie, James M., Pittsburgh, Pa. Bottle. 109,915; May 31.

Haviland, Theodore & Co. Inc. (See Haviland, William D., assignor.)

Haviland, William D., Limoges, France, assignor to Theodore Haviland & Co. Inc., New York, N. Y. Covered dish. 109,889; May 31.

Haviland, William D., Limoges, France, assignor to Theodore Haviland & Co. Inc., New York, N. Y. Coffeepot or similar article. 109,890; May 31.

Heitler, Kurt, New York, N. Y. Advertising folder or similar article. 109,916; May 31.

Helms, Rudolph H. (See Weeks, J. R., and Helms.)

Henschel, Joseph, New York, N. Y. Coat. 109,936; May 31.

Hill, C. V., & Co. (See Hoffman, Cyrus F., assignor.)

Hoffman, Cyrus F., assignor to C. V. Hill & Co., Inc., Trenton, N. J. Food cabinet. 109,949; May 31.

Hollander, Harold, New York, N. Y. Chair or the like. 109,891; May 31.

Injection Moulding Corporation. (See Kayn, Stephen F., assignor.)

Jacobs, Joseph, Brooklyn, N. Y. Decorative eyelet. 109,966; May 31.

Kashine, Louis L., New York, N. Y. Dress. 109,967; May 31.

Kayn, Stephen F., assignor to Injection Moulding Corporation, New York, N. Y. Decorative comb. 109,950; May 31.

Keith, Geo. E., Company. (See Caldwell, Charles H., assignor.)
Kimball, C. M., Company. (See Williams, Charles A., assignor.)
Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Vacuum cleaner casing. 109,892; May 31.
Kruck, Ralph E., Springfield Mass., assignor to Westinghouse Electric & Manufacturing Company. Vacuum cleaner casing. 109,893; May 31.
La Glass, Rose. New York, N. Y. Dress. 109,937; May 31.
Lazare, Louis, New York, N. Y. Textile fabric. 109,968; May 31.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros, Inc., New York, N. Y. Plate or similar article. 109,894; May 31.
Levin, David, New York, N. Y. Shoe. 109,869; May 31.
Levin, David, New York, N. Y. Shoe. 109,870; May 31.
Levin, David, New York, N. Y. Shoe. 109,871; May 31.
Levin, David, New York, N. Y. Shoe. 109,872; May 31.
Levin, David, New York, N. Y. Shoe. 109,873; May 31.
Levin, David, New York, N. Y. Shoe. 109,874; May 31.
Libbey Glass Company. (See Fuerst, Edwin W., assignor.)
Lightfoot, John B., Seymour, Conn., and L. A. Trevisan, Bloomfield, N. J., assignors to American Can Company, New York, N. Y. Lunch box or analogous article. 109,938; May 31.
Logli, Aldo. (See Bernardi, A., Logli, and Zoppi.)
Lukowski, Hermann, New York, N. Y. Egg tester. 109,917; May 31.
Machanoff, Ben, New York, N. Y. Dress ensemble. 109,939; May 31.
Marhols, Richard C., assignor to Belmont Radio Corporation, Chicago, Ill. Escutcheon plate for radio receiver apparatus. 109,895; May 31.
Marhols, Richard C., assignor to Belmont Radio Corporation, Chicago, Ill. Escutcheon plate for radio receiver apparatus. 109,896; May 31.
Marhols, Richard C., assignor to Belmont Radio Corporation, Chicago, Ill. Finger button for a selector member of a radio tuning device. 109,897; May 31.
Maser, Louis, New York, N. Y. Brooch or similar article. 109,875; May 31.
Maser, Louis, New York, N. Y. Brooch or similar article. 109,876; May 31.
Maser, Louis, New York, N. Y. Brooch or similar article. 109,877; May 31.
Maser, Louis, New York, N. Y. Brooch or similar article. 109,878; May 31.
Maser, Louis, New York, N. Y. Brooch or similar article. 109,898; May 31.
McCabe, Anthony L., Reading, Mass. Beam projector. 109,899; May 31.
McDonald, Sterling B., Itasca, Ill., assignor to The Adlake Company. Combination baggage rack and lighting fixture or similar article. 109,918; May 31.
McHenry, Walter C., Oakland, assignor to Buttermilk Dispensers, San Francisco, Calif. Liquid dispenser. 109,919; May 31.
McIntosh, Frank, New York, N. Y. Bottle. 109,920; May 31.
Minnesota Mining & Manufacturing Company. (See Reinecke, Jean O., assignor.)
Morimura Bros. Inc. (See Leigh, Cyril W., assignor.)
Nemeroff, Victor, assignor to Electro Manufacturing Co., Chicago, Ill. Desk lamp. 109,900; May 31.
Nuchols, Walter, Summit, N. J., assignor to Helena Rubinstein Inc., New York, N. Y. Bottle. 109,921; May 31.
Owens-Illinois Glass Company. (See Coleman, Ewell M., assignor.)
Pavlecka, John, Detroit, Mich. Airplane. 109,951; May 31.
Pawsat, Ewald F., Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated. Handle bar grip for bicycles or the like. 109,922; May 31.
Pecora Michael A., West Hazleton, Pa. Ice cream cone. 109,940; May 31.
Porpora, Mary, New York, N. Y. Dress. 109,969; May 31.
Reinecke, Jean O., Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape dispenser. 109,930; May 31.
Rosen, Isidor S., Brooklyn, N. Y. Game board or similar article. 109,929; May 31.
Rubinstein, Helena, Inc. (See Nuckols, Walter, assignor.)
Ruby, Walter, Long Beach, Long Island, N. Y. Combination pencil, corkscrew, and bottle opener. 109,879; May 31.
Sakler, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Plate or similar article. 109,901; May 31.
Schlessel, Philip, New York, N. Y. Cape. 109,941; May 31.
Seversky Aircraft Corporation. (See de Seversky, Alexander P., assignor.)
Simon, Alfred, Jackson Heights, N. Y., assignor to Westinghouse X-Ray Company, Inc. Radiographic and fluoroscopic unit. 109,880; May 31.
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Handle bar. 109,923; May 31.
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Handcar. 109,924; May 31.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Advertising display device for ophthalmic mountings. 109,925; May 31.
Stafford, Louis F., Syracuse, N. Y. Music portfolio. 109,952; May 31.
Trevisan, Louis A. (See Lightfoot, J. B., and Trevisan.)
Ullman, Marguerite, New York, N. Y. Shoe. 109,881; May 31.
Universal Crusher Company. (See Conway, Robert D., assignor.)
Van Cleef Bros. (See Van Cleef, Paul, assignor.)
Van Cleef, Paul, Chicago, Ill., assignor to Van Cleef Bros., Chicago, Ill. Clamp for use in vulcanising. 109,902; May 31.
Wald Manufacturing Company. (See Pawsat, Ewald F., assignor.)
Weeks, James R., Birmingham, and R. H. Helms, Melvindale, assignors to Whitehead & Kales Company, River Rouge, Mich. Automobile transport body. 109,926; May 31.
Weissmueller, Henry, Milwaukee, Wis. Game table. 109,927; May 31.
Westinghouse Electric & Manufacturing Company. (See Kruck, Ralph E., assignor.)
Westinghouse X-Ray Company. (See Simon, Alfred.)
Whitehead & Kales Company. (See Weeks, J. R., and Helms, assignors.)
Williams, Charles A., Winthrop, assignor to C. M. Kimball Company, Everett, Mass. Bottle. 109,928; May 31.
Wilmet, Georges, New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Dry shaver casing. 109,903; May 31.
Wilmet, Georges, New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Dry shaver casing. 109,904; May 31.
Wilmet, Georges, New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Dry shaver casing. 109,905; May 31.
Wilmet, Georges, New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Dry shaver casing. 109,906; May 31.
Winkel, Mabel, New York, N. Y. Shoe or similar article. 109,882; May 31.
Winston, Virginia, Jackson Heights, N. Y. Tablecloth or similar article. 109,970; May 31.
Zavell, Arnold, New York, N. Y. Textile fabric or similar article. 109,953; May 31.
Zavell, Arnold, New York, N. Y. Textile fabric or similar article. 109,954; May 31.
Zavell, Arnold, New York, N. Y. Textile fabric or similar article. 109,955; May 31.
Zavell, Arnold, New York, N. Y. Textile fabric or similar article. 109,956; May 31.
Zavell, Arnold, New York, N. Y. Textile fabric or similar article. 109,957; May 31.
Zoppi, Mario. (See Bernardi, A., Logli, and Zoppi.)

# LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 31ST DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Charles W., Larchmont, N. Y. Electric attachment plug receptacle. 2,119,066; May 31.
Abrams, Victor R. (See Moskovics, F. E., and Abrams.)
Adams, Folger, Joliet, Ill. Jail lock and the like. 2,119,090; May 31.
Adams, Charles A., Davenport, Iowa. Electric light socket and switch. 2,119,146; May 31.
Adams, Stephen S., St. Louis, Mo. Housing for reflector buttons. 2,118,911; May 31.
Addressograph-Multigraph Corporation. (See Wescott, William B., assignor.)
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Endless track for half-track tractors. 2,118,961; May 31.
Alexander, James N., Birmingham, Ala. Saw clamp. 2,118,876; May 31.
Alexander, John R., Newark, N. J. Barrel and drum cleaning device. 2,119,192; May 31.
Allan, John C. (See Stokes, R. O., and Allan, assignor.)
Allee, David A., Scotia, N. Y., assignor to General Electric Company. Supporting structure. 2,119,376; May 31.
Allyn, Robert S. (See Harvey, James W., assignor.)
Alma Manufacturing Company. (See Kerngood, Allen H., assignor.)
Alnutt, Marvin, assignor to Boeing Aircraft Company, Seattle, Wash. Interior trim for aircraft. 2,118,998; May 31.
Alter, Horace J., Brooklyn, N. Y. Refillable pencil. 2,119,410; May 31.
Alva, Felix, New York, N. Y. Necktie knot form. 2,119,411; May 31.
American Devices, Incorporated. (See Owen, J. E., and Bryson.)
American Foundry Equipment Company, The. (See Wean, R. J., and Pelk, assignors.)
American-La France-Foamite Corporation. (See Carter, Harold H., assignor.)
American-Le France-Foamite Corporation. (See Felton, Donald A., assignor.)
American Laundry Machinery Company, The. (See Highley, Frank R., assignor.)
American Magnesium Metals Corporation. (See Hansgirg, Fritz, assignor.)
American Ozone Company. (See Daily, James M., assignor.)
American Radiator Company. (See Cornell, Edward S., Jr., assignor.)
American Smelting and Refining Company. (See Betterton, J. O., and Lebedeff, assignors.)
American Telephone and Telegraph Company. (See Dencklau, Karl R., assignor.)
Anaconda Copper Mining Company. (See Mitchell, Willard E., assignor.)
Andersen, Gunnar E., Copenhagen, Denmark. Internal combustion engine. 2,118,804; May 31.
Anderson, Howard P. (See Peyton, W. C., and Anderson.)
Andres, Lloyd J., Grand Rapids, Mich., assignor to Automatic Instrument Company. Talking picture machine. 2,118,999; May 31.
Andrew, Vaughan L., Superior, Wis. Stuffing box. 2,119,033; May 31.
Andrews, Bernard R., Braintree, Mass. Drying synthetic fiber. 2,119,261; May 31.
Anthony, Myron V., New Haven, Conn., assignor to Stauffer Chemical Company, New York, N. Y. Fungicides and insecticides. 2,119,125; May 31.
Apex Electrical Manufacturing Company, The. (See Holland, Sidney S., assignor.)
Apex Electrical Manufacturing Company, The. (See Holland, S. S., Traughber, and McVey, assignors.)
Apex Electrical Manufacturing Company, The. (See McVey, Reuben J., assignor.)
Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Cutter grinder. 2,118,912; May 31.
Armour and Company. (See Ralston, A. W., and Bauer, assignors.)
Armstrong, Paul R., Quincy, Ill. Can washer. 2,119,306; May 31.
Armstrong, Victor C., Short Hills, N. J., assignor, by mesne assignments, to Poor & Company. Rail clamp for meeting ends of rails. 2,119,147; May 31.
Armstrong Whitworth Securities Company. (See Kadenacy, Michel, assignor.)
Arnold, Samuel, 3rd, Pittsburgh, Pa., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md. Remelting scrap metal. 2,119,262; May 31.
Arpels, Salomon (dit Charles), assignor to Société Van Cleef & Arpels, Paris, France. Jewel ornamented with stones. 2,119,067; May 31.
Arras, George, Chicago, Ill. Lighting fixture. 2,118,833; May 31.
Arrow-Hart & Hegeman Electric Company. (See Guett, Monroe assignor.)
Art Metal Works, Inc. (See Meyer, Frederick, assignor.)
Ashkenas, Abraham, Sierra Madre, Calif. Extension table. 2,119,000; May 31.
Ashley, Frank M., Great Kills, assignor to L. Gompers, trustee, New York, N. Y. Inkstand. 2,119,307; May 31.
Ashley, Frank M., Great Kills, assignor to L. Gompers, trustee, New York, N. Y. Inkstand. 2,119,308; May 31.
Associated Metals & Minerals Corporation et al. (See Hyde, R. W., and Cromwell, assignors.)
Atkinson, Vernon L., West Caldwell, N. J., and C. W. Foster, Paris, France, assignors to Standard Oil Development Company. Process and apparatus for indirect heat transfer between two liquid materials. 2,119,091; May 31.
Atlas Floor Surfacing Machinery Corp. (See Okun, Nathaniel N., assignor.)
Auer, George A. (See Garner, F. G., and Auer.)
Autocar Company, The. (See Bachman, Benjamin B., assignor.)
Automatic Instrument Company. (See Andres, Lloyd J., assignor.)
Automatic Shifters, Inc. (See Hey, Henry W., assignor.)
Automotive Products Company Limited. (See Brown, Francis V., assignor.)
Automotive Products Company Limited. (See Clench, Edward C. S., assignor.)
Avery, Clarence W., Detroit, Mich. Vehicle body and chassis construction. 2,119,193; May 31.
B and B Shoe Company. (See Golden, Louis J., assignor.)
Bäbler, Justus, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulation meter. 2,119,194; May 31.
Backstay Welt Company. (See Huffer, Glen H., assignor.)
Bacon, Henry M., Warren, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Lug strap. 2,119,479; May 31.
Bachman, Benjamin B., Philadelphia, assignor to The Autocar Company, Ardmore, Pa. Power transmitting mechanism. 2,118,913; May 31.
Bachmann, Frank J., Chicago, Ill. Hydraulic brake equaliser. 2,119,001; May 31.
Baer, Howard. (See Finnegan, M. J., and Baer.)
Bagno, Samuel J. A. M., New York, N. Y., assignor, by mesne assignments, to P. R. Mallory & Co., Inc., Indianapolis, Ind. Constant impedance attenuator. 2,119,195; May 31.
Bahan, William H., Greenville, S. C. Bobbin holder. 2,119,034; May 31.
Bakker, Arjen, The Hague, and [illegible] C. A. Van Duuren, Noordwijkerhout, Netherlands, assignors to Radio Corporation of America. Type printing telegraph system with means for eliminating interference. 2,119,196; May 31.
Ball, Albert L., Lewiston Heights, and R. C. Benner, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Segmental abrasive wheel and making the same. 2,119,412; May 31.
Ballard, John H., assignor to Sealed Power Corporation, Muskegon, Mich. Piston ring process. 2,119,035; May 31.
Bansett, William H., Clifton, N. J. Finishing printing plates. 2,118,801; May 31.
Barkholt, Hans, Berlin-Halensee, assignor to Zahn & Co., G. m. b. H., Berlin, Germany. Conserving pickling liquor. 2,118,802; May 31.
Barron, Edward T., Minneapolis, Minn. Attachment for automobile mirrors. 2,118,962; May 31.
Barsch, Guillaume, Paris, France, assignor to Industrie A. G. Allegro, Emmenbrucke, Switzerland. Device for sharpening safety razor blades. 2,119,264; May 31.
Bartek, John S., assignor to Consolidated Machine Tool Corporation, Rochester, N. Y. Thread forming chaser supporting and adjusting means. 2,119,036; May 31.
Bastas, Kostas, Ottawa, Ontario, Canada. Container for confections. 2,119,148; May 31.
Batchelder, Nelson A., West Barrington, R. I. Loom governor. 2,119,413; May 31.

Batchelor, John C., New York, N. Y. Forming a fluorescent screen. 2,119,309; May 31.
Bauer, John A., Lawrenceburg, Ind. Barrel measuring device. 2,119,037; May 31.
Bauer, Stewart T. (See Ralston, A. W., and Bauer.)
Baughman, Harry S., Barberton, and M. S. Lower, Wadsworth, assignors to The Sun Rubber Company, Barberton, Ohio. Key container. 2,119,068; May 31.
Baughman, Harry C., Sparrows Point, Md., assignor to Bethlehem Steel Company. Cleaning device for regenerators. 2,119,310; May 31.
Baumann, Lewis A., Fort Thomas, Ky., assignor to French Bauer Incorporated, Cincinnati, Ohio. Apparatus for measuring foreign matter present in liquids. 2,119,501; May 31.
Baumgardner, Versal F., Celina, Ohio. Hitch means. 2,119,263; May 31.
Baur, John W., Chicago, Ill., and E. A. Nahm, Baldwin, N. Y., assignors to Johnson Fare Box Company, Chicago, Ill. Electrical control system for fare boxes. 2,118,914; May 31.
Bedford, Burnice D., Schenectady, N. Y., C. H. Willis, Princeton, N. J., and F. R. Elder, Schenectady, N. Y., Assignors to General Electric Company. Electric power transmission system. 2,119,377; May 31.
Beer, William J., Union, assignor to Sirian Wire and Contact Company, Newark, N. J. Refractory metal alloys and making same. 2,119,489; May 31.
Bell Telephone Laboratories, Incorporated. (See Gannett, Danforth K., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hall, O. C., and Toomey, assignors.)
Bell Telephone Laboratories, Incorporated. (See Holden, William H. T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kahl, Henry, assignor.)
Bell Telephone Laboratories, Incorporated. (See Llewellyn, Frederick B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Magrath, Arthur C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Meszar, J., and Wiese, assignors.)
Bell Telephone Laboratories, Incorporated. (See Strieby, Maurice E., assignor.)
Bell, William M., Evanston, Ill. Air cooling, conditioning, and circulating apparatus. 2,119,038; May 31.
Bemis Bro. Bag Co. (See Pierce, R. E., and Linda, assignors.)
Benner, Raymond C. (See Ball, A. L., and Benner.)
Berger, Walter, New York, N. Y. Twin sweater set. 2,119,378; May 31.
Bergevin, Charles R., Worcester, Mass., and A. C. Nigro, assignors to The Torrington Manufacturing Company, Torrington, Conn. Spring coiling machine. 2,119,002; May 31.
Beria, Biagio, Turin, Italy. Ribbon feed mechanism. 2,118,963; May 31.
Bernard, Jean, Paris, France. Magneto. 2,119,092; May 31.
Bertels, Charles E., assignor of one-half to W. W. Breite, San Francisco, Calif. Metallic receptacle. 2,119,502; May 31.
Bethlemen Steel Company. (See Baughman, Harry C., assignor.)
Bethlehem Steel Company. (See Tesseyman, J. E., and Miller, assignors.)
Bethlehem Steel Company. (See Whitford, Harry S., assignor.)
Betterton, Jesse O., and Y. E. Lebedeff, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Refining alloys of lead and tin. 2,119,197; May 31.
Biddle, William C. (See Corbin, Elbert A., Jr., assignor.)
Biedermann, Oscar, assignor to The Globe Company, Chicago, Ill. Tripe washer. 2,119,311; May 31.
Bigelow-Sanford Carpet Co. Inc. (See Knowland, Richard G., assignor.)
Bischof, Julius L. (See Carey, M. G., and Bischof.)
Bishop, William T., assignor to Hercules Powder Company, Wilmington, Del. Stabilized chlorinated paraffin wax and producing. 2,119,149; May 31.
Bising, James A. M., Jersey City, N. J., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Thermometer. 2,119,126; May 31.
Bister, Germain J. M., Paris, France. Calculating machine. 2,119,003; May 31.
Black, Sivalls & Bryson, Inc. (See Raymond, Gwynne, assignor.)
Blanchard, Almond G., Niles, Mich. Gravel washer. 2,119,414; May 31.
Blumer, Manuel, and L. Salzmann, Butler, Pa., assignors to L. Sonneborn Sons, Inc. Refining white oils. 2,118,805; May 31.
Bodemann, Emil. (See Unterbusch, F., and Bodemann.)
Bodge, Edward E., Honolulu, Hawaii, assignor to von Hamm Young Company Limited. Pipe insulation-mold. 2,119,415; May 31.
Boeckeler, Benjamin C., assignor to The Lummus Company, New York, N. Y. Distilling liquors. 2,118,834; May 31.
Boeing Aircraft Company. (See Ahutt, Marvin, assignor.)
Boeing Aircraft Company. (See Haberlin, John F., assignor.)
Bonnaire, Claud, London, England. Map, time-table, and the like. 2,118,964; May 31.
Borden Company, The. (See Page, W., and Taylor, assignors.)
Borg-Warner Corporation. (See Reed, Harold V., assignor.)
Bosch, Robert, Gesellschaft mit beschrankter Haftung. (See Meyer, A., Hurst, and Stockmeyer, assignors.)
Boughton, Samuel D. (See Wilkinson, T. T., and Boughton.)
Bourgeois, Alphonse J. (See Montgomery, H. H., and Bourgeois.)
Bouwers, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. High voltage discharge device. 2,119,069; May 31.
Bouwers, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. High voltage discharge tube. 2,119,070; May 31.
Bowdil Company, The. (See Bowman, Charles L., assignor.)
Bowen, Harold H., Heaton, Bradford, and V. H. Majerus, Vilvoorden, Wyke, Bradford, assignors to The Bradford Dyers' Association, Limited, Bradford, Yorkshire, England. Production of improved effects on cellulosic fabrics. 2,119,150; May 31.
Bowen, William S., Westfield, N. J. Concentrator. 2,118,803; May 31.
Bowman, Charles L., Canton, Ohio, assignor to The Bowdil Company. Mining machine chain lug. 2,118,878; May 31.
Bowser, Percy L. (See Flammang, J., Bowser, and Ernst.)
Bowser, Percy L., University City, assignor to The Sterling Corporation, St. Louis, Mo. Lathe chuck. 2,119,004; May 31.
Boyd, Gar. (See Miller, Clem, and Boyd.)
Boyd, Herbert C., Austin, Minn. Ring combination. 2,119,039; May 31.
Bradford Dyers' Association, Limited. (See Bowen, H. H., and Majerus, assignors.)
Briece, William W. (See Bertels, Charles E., assignor.)
Bristol Aeroplane Company, The. (See Whitehead, F. W., and Goodby, assignors.)
Bronander, Wilhelm B., Montclair, N. J. Wrapping machine. 2,119,093; May 31.
Brooks, Charles A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Multiple control apparatus. 2,119,265; May 31.
Brostrom, Frederik V., Kingston-on-Thames, England. Gas-heated laundry iron. 2,119,094; May 31.
Brown, Benjamin D., New York, N. Y. Automatic contour shaping fixture. 2,118,806; May 31.
Brown Boveri & Cie. Aktiengesellschaft. (See Ehrensperger, Charles, assignor.)
Brown, Francis V., assignor to Automotive Products Company Limited, London, England. Hydraulic controlling apparatus. 2,119,416; May 31.
Brown, John E., assignor of one-half to F. H. Gasser, Amherst, Ohio. Fish lure. 2,119,417; May 31.
Bruder, Edmund, Chicago, Ill. Smoking tube. 2,119,198; May 31.
Brummett, Charles N., Wharton, Tex. Directional drilling device. 2,119,095; May 31.
Bryson, George W. (See Owen, J. E., and Bryson.)
Buchach, Edward M., assignor to Howard Safety Window, Inc., Milwaukee, Wis. Window construction. 2,119,199; May 31.
Buckley, Arthur B., Carshalton, England. Tappet mechanism. 2,119,096; May 31.
Bucklin, Kenneth G. (See Haines, D. G., and Bucklin.)
Buckner, William A., Fresno, Calif. Variable speed rotary sprinkler. 2,119,312; May 31.
Bulow, Otto, St. Albans, N. Y. Fishing line attachment. 2,119,418; May 31.
Bunimovitch, Marcos. (See Faitelowitz, Arnold, assignor.)
Burdge, Robert H., Kansas City, Mo. Cosmetic case. 2,119,313; May 31.
Burdge, Robert H., and S. M. Speas, Kansas City, Mo. Carrying case. 2,119,314; May 31.
Burgess Battery Company. (See Zook, John S., assignor.)
Burnside, George B., Fairhill, Dullatur, Scotland. Air heating apparatus. 2,119,379; May 31.
Bury, Paul A. (See Frey, F. E., and Bury.)
Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Neutralizing circuit for screen-grid tubes. 2,119,315; May 31.
Büttner, Artur, Heidelberg, Germany, assignor to Druckmaschinen Aktiengesellschaft, Glaius, Switzerland. Device for interrupting and re-continuing the printing operation of cylinder printing presses. 2,118,965; May 31.
Butz, Richard J., and R. C. Cantelo, Whiting, Ind., assignors to Sinclair Refining Company, New York, N. Y. Manufacture of wax acids. 2,118,915; May 31.
Calvy, Jean, Paris, France. Friction bearing for aircraft control surfaces. 2,119,151; May 31.





Campbell, Kenneth, Radburn, N. J., assignor to Wright Aeronautical Corporation. Engine cowling. 2,119,221; May 31.
Campbell, Robert E., York, England. Reflex camera. 2,119,200; May 31.
Cantelo, Robert Charles. (See Buts, R. J., and Cantelo.)
Capezio, Salvatore, East Paterson, N. J. Toe tap. 2,118,835; May 31.
Capps, Washington T., Baltimore, Md., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Stoker conveyer. 2,119,071; May 31.
Carborundum Company, The. (See Ball A. L., and Benner, assignors.)
Card, Joseph B., Highland Park, Ill., assignor to Illinois Dry Kiln Company. Wood treating process. 2,118,966; May 31.
Carey, Max G., Miami Beach, Fla., and J. L. Bischof, St. Louis, Mo. Apparel-garment. 2,119,040; May 31.
Carlson, Einar W., Roselle, N. J., assignor to Standard Oil Development Company. Production of lubricating oil dyes. 2,119,097; May 31.
Carman, Albert, and J. Chalot, New York, N. Y. Reproduction process. 2,119,041; May 31.
Carnegie Institute of Technology of Pittsburgh, Pa. (See Kasehagen, Leo, assignor.)
Carrier, Willis H., Essex Fells, and J. H. Holton, Maplewood, assignors, by mesne assignments, to Carrier Corporation, Newark, N. J. Ventilating and conditioning system. 2,119,127; May 31.
Carrier Corporation. (See Carrier, W. H., and Holton, assignors.)
Carson, Edward B., Fort Myers, Fla. Ironing machine. 2,119,222; May 31.
Carter, Alva J., assignor to Rayolite Rifle Range Company, Chicago, Ill. Light gun. 2,119,005; May 31.
Carter, Dick, A. G. Cuthbert-Smith, H. Jackson, L. P. Rendell, and H. A. Thomas, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Dyeing apparatus. 2,118,807; May 31.
Carter, Harold H., London, England, assignor, by mesne assignments, to American-La France-Foamite Corporation, New York, N. Y. Apparatus for detecting fires in holds, etc. 2,118,836; May 31.
Carter, Samuel W., Washington, D. C. Antenna unit. 2,119,380; May 31.
Case, Bernard C. (See Viers, E. D., and Case.)
Cass, Oliver W. (See Levine, A. A., and Cass.)
Cawein, Madison. (See Lewis, H. M., and Cawein.)
Celanese Corporation of America. (See Hale, F. C., and Yorke, assignors.)
Celanese Corporation of America. (See Moncrieff, R. W., and Hill, assignors.)
Certain-Teed Products Corporation. (See Codwise, Philip W., assignor.)
Chambers, Perry O., assignor to Safety Vulcanizer Company, Inc., Chicago, Ill. Tire recapping equipment. 2,119,467; May 31.
Chapman, Frank D., Berlin, Wis. Hydraulic corn silker. 2,119,006; May 31.
Charlot, Jean. (See Carman, A. and Charlot.)
Charlton, George, Battle Creek, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve. 2,119,042; May 31.
Cheeseman, Ralph T., Lynn, and E. A. Harty, Marblehead, Mass., assignors to General Electric Company. High power dry disk rectifier. 2,119,381; May 31.
Chesley, Walter R., Somerville, Mass., assignor, by mesne assignments, to F. L. Jacobs Company, Detroit, Mich. Spring cover. 2,118,879; May 31.
Chester, Bernard B., Kingston, N. Y. Belt or tube turner. 2,119,266; May 31.
Chicago Carton Company. (See Richardson, Ralph R., assignor.)
Chryst, William G., Philadelphia, Pa. Clutch mechanism for wheel differentials. 2,119,098; May 31.
Chwala, August. (See Waldmann, E., and Chwala.)
Clark, Ira J., Fort Morgan, Colo. Valve spring compressor. 2,119,128; May 31.
Clark, Percy M., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resin composition. 2,119,507; May 31.
Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 2,119,316; May 31.
Clench, Edward C. S., Leamington Spa, assignor to Automotive Products Company Limited, London, England. Locking means for fluid motors. 2,119,419; May 31.
Cleveland Pneumatic Tool Company, The. (See Wallace, John F., assignor.)
Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)
Cleveland Trust Company, The. (See Moore, George L., assignor.)
Cochran, C. B., et al. (See Vermillion, William O., assignor.)
Codwise, Philip W., Thorold, Ontario, Canada, assignor to Certain-Teed Products Corporation, New York, N. Y. Covering material and treating same. 2,119,480; May 31.
Cohen, Nathaniel, assignor to Stafast, Newark, N. J. Automobile fender cover. 2,119,072; May 31.
Coleman, Catharine B., Mount Clemens, Mich. Automobile ashtray. 2,119,267; May 31.
Collins, Douglas, Salisbury, N. C. Exhaust-gas injector. 2,119,268; May 31.
Colman, Howard D. (See Lilja, Edgar D., assignor.)
Columbus McKinnon Chain Corporation. (See Stahl, F. E., and Kieffer, assignors.)
Commercial Solvents Corporation. (See Watts, Cecil E., assignor.)
Condliffe, George E. (See Shoenberg, I., Condliffe, and Tedham.)
Conner, Wiley L., et al. (See Vermillion, William O., assignor.)
Consolidated Machine Tool Corporation. (See Bartek, John S., assignor.)
Consolidated Packaging Machinery Corporation. (See Nicolas, Marcel A., assignor.)
Continental Can Company. (See Kronquest, A. L., and Robison, assignors.)
Converse, Edward H., Poughkeepsie, assignor to J. K. Delano, Village of Rye, N. Y. Composition for insulating wire. 2,118,838; May 31.
Cook, Samuel, and H. E. Nevins, Stamford, Conn. Compressor apparatus. 2,119,201; May 31.
Cooper, George A. S., Newark, N. J., assignor to Leeds & Northrup Company, Philadelphia, Pa. Control system. 2,119,223; May 31.
Cooper, Roger G., Ferndale, assignor to E. S. Hesse, C. L. Hesse, and A. F. Hesse, co-partners, doing business as Pioneer Tea Company, Detroit, Mich. Package and package display. 2,119,382; May 31.
Cone, George W., Vivian, La. Device for picking up broken jack lines. 2,119,152; May 31.
Coppedge, Henry C., et al. (See Vermillion, William O., assignor.)
Corbin, Elbert A., Jr., Morton, assignor of one-half to W. C. Biddle, Lansdowne, Pa. Hydraulic brake. 2,118,808; May 31.
Corlett, Frank. (See Cree, J., and Corlett.)
Cornelison, Lawrence W., San Francisco, Calif. Guard for spray guns. 2,119,043; May 31.
Cornelius, Richard T., Minneapolis, Minn. Beer cooling and dispensing device. 2,119,383; May 31.
Cornell, Edward S., Jr., Larchmont, assignor to American Radiator Company, New York, N. Y. Control means for air actuated motors. 2,118,809; May 31.
Corrigan, Michael J., Washington, D. C. Race track barrier. 2,119,073; May 31.
Cosentino, Joseph, Clarksburg, W. Va. Shock absorber. 2,119,403; May 31.
Cotswold Comfortable Company. (See Milner, Cobb, assignor.)
Coulter, Charles P., Jr., Great Neck, assignor to Nufibre Corporation, New York, N. Y. Fabric and yarn therefor. 2,119,468; May 31.
Council, John M., Wananish, N. C. Turpentine worker's tool. 2,119,454; May 31.
Crane Co. (See Kacena, John, assignor.)
Crawley, Charles H., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio. Making fittings. 2,119,420; May 31.
Cree, John, and F. Corlett, Hamilton, Ontario, Canada. Refill fuse plug. 2,119,269; May 31.
Cromwell, Robert H. (See Hyde, R. W., and Cromwell.)
Cross, James R., St. Petersburg, Fla. Electric cooking utensil. 2,119,421; May 31.
Cruse, William F., Louisville, Ky. Refrigerator for delicatessens. 2,119,422; May 31.
Curtis Frank W., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Cutter grinder. 2,118,967; May 31.
Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rotation mechanism. 2,118,968; May 31.
Cuthbert-Smith, Austin. (See Carter, D., Cuthbert-Smith, Jackson, Rendell, and Thomas.)
Cutler-Hammer, Inc. (See Lockett, Ralph G., assignor.)
Dace, Prudie, Fairview, Okla. Agitator paddle. 2,119,074; May 31.
Dach, Max, Flushing, N. Y. Device for internal combustion engines. 2,119,202; May 31.
Dahlin, Stanley V., Chicago, Ill. Dispenser for cherries or the like. 2,119,224; May 31.
Daily, James M., assignor to American Ozone Company, Chicago, Ill. Electric ozone generator. 2,118,969; May 31.
Daimler Benz Aktiengesellschaft. (See Nallinger, F., and Daimler, assignors.)
Dalén, Gustaf, Lidingo, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden. Oil burning apparatus. 2,119,007; May 31.
Dallenbach, Walter, Berlin-Charlottenburg, Germany, assignor to N. V. Machinerieen-en Apparaten Farbieken, "Meaf", Utrecht, Holland. Regulation of state values. 2,119,153; May 31.
Daly Carroll H. (See Daly, Joseph F., T. J., and C. H.)
Daly, Joseph F., T. J., and C. H., Philadelphia, Pa. Smoker's pipe. 2,119,099; May 31.
Daly, Thomas J. (See Daly, Joseph F., T. J., and C. H.)
Dasher, Don E., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,119,317; May 31.
Daven Company, The. (See Smith, John P., Jr., assignor.)
Davids, Thaddeus S., Rochester, N. Y. Golf tee. 2,119,044; May 31.
Davis, William L., Richmond, Va. Frame for stretching doilies or the like. 2,118,880; May 31.

Davison, Robert L., assignor to John B., Pierce Foundation, New York, N. Y. Reinforced frangible material building unit. 2,119,318; May 31.
Day, Alton C., Roseland, N. J. Skate guard. 2,119,075; May 31.
Dayton Rubber Manufacturing Company, The. (See Bacon, Henry M., assignor.)
De Ayala, José, San Juan, P. R. Meal preparing apparatus. 2,119,455; May 31.
Defibaugh, Mark A., Lake Orion, Mich. Windshield. 2,119,423; May 31.
Delano, James K. (See Converse, Edward H., assignor.)
Denckiau, Karl R., Plainfield, N. J., assignor to American Telephone and Telegraph Company. Combined form and carbon sheet holder. 2,119,203; May 31.
Denham, John J., assignor to A. E. Jurs, Berkeley, Calif., doing business as Shand & Jurs Company. Automatically adjusting brake. 2,119,384; May 31.
Dennison Manufacturing Company. (See Flood, Carl A., assignor.)
D'Esopo, Francis P., assignor to The Wiremold Company, Hartford, Conn. Adjustable take-off fitting. 2,119,319; May 31.
De Vecchis, Ineo, Paris, France. Treating the residues from the roasting of the iron pyrites. 2,119,270; May 31.
De Vilbiss Company. (See Ludwig, John E., assignor.)
Dichter, Jakob, Schoneberg, Berlin, Germany. Fitting caps to tubular containers. 2,119,271; May 31.
Dies, Charles A., Chicago, Ill. Door lock. 2,119,456; May 31.
Diescher, Samuel E., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa. Guide disk. 2,118,970; May 31.
Diescher Tube Mills, Inc. (See Diescher, Samuel E., assignor.)
Dietrich, Otto, assignor to Maybach-Motorrenbau G. m. b. H., Friedrichshafen, Germany. Instrument for measuring elongation. 2,119,076; May 31.
Dietrich, Paul. Los Angeles, Calif. Razor blade holder. 2,119,045; May 31.
Dobrowsky, Emmanuel, New York, N. Y. Refrigerator. 2,119,320; May 31.
Dobyne, John C. (See Dobyne, Stevenson A. and J. C.)
Dobyne, Stevenson A. and J. C. St. Louis, Mo. Shoe sewing machine. 2,119,225; May 31.
Dominion Truck Equipment Co. (See Gurton, W. S., Plint, and Nyberg, assignors.)
Donath, Ernst. (See Pier, M., and Donath.)
Donath, Ernst. (See Pier, M., Kroenig, and Donath.)
Donnellan, Maurice L., Kalamazoo, Mich. Device for cooling tires on vehicle wheels. 2,119,204; May 31.
Doran Brothers. (See Schultze, Paul, assignor.)
Doran Bros., Inc. (See Schultze, Paul, assignor.)
Douglas, Paul H., and J. F. Rogers, Cleveland Heights, assignors to The Wellman Engineering Company, Cleveland, Ohio. Charging furnaces. 2,119,424; May 31.
Douglas, Paul H., and J. F. Rogers, Cleveland Heights, assignors to The Wellman Engineering Company, Cleveland, Ohio. Charging machine for open hearth furnaces and the like. 2,119,425; May 31.
Douglas, Paul H., and J. F. Rogers, Cleveland Heights, assignors to The Wellman Engineering Company, Cleveland, Ohio. Furnace construction. 2,119,426; May 31.
Dow Chemical Company, The. (See Grebe, John J., assignor.)
Downing, Charles E., Pemberville, Ohio. Trailer. 2,119,154; May 31.
Doyle, Edgar D., and B. J. Wilson, assignors to Leeds & Northrup Company, Philadelphia, Pa. Method and system of motor control. 2,119,205; May 31.
Dreyfus, Henry, London, England. Treatment of artificial filaments, threads, yarns, fabrics, and the like. 2,118,839; May 31.
Dreyfus, Henry, London, England. Production of textile threads and fabrics. 2,118,840; May 31.
Drucker, Julius, Leverkusen-I. G. Werk, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Titanium-containing pigments. 2,118,916; May 31.
Druckmaschinen Aktiengesellschaft. (See Büttner, Artur, assignor.)
Duncan, Archibald A., Akron, Ohio. Heater. 2,119,008; May 31.
Du Pont, E. I., de Nemours & Company. (See Clark, Percy M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Glenning, Clifford V., assignor.)
Du Pont, E. I., de Nemours & Company. (See Levine, A. A., and Cass, assignors.)
Du Pont, E. I., de Nemours & Company. (See Scott, Norman D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Thomas, Raymond E., assignor.)
Dwight & Lloyd Sintering Company et al. (See Hyde, R. W., and Cromwell, assignors.)
Dwight, Russell S., Cincinnati, assignor to The Stearns & Foster Company, Lockland, Ohio. Cotton batting. 2,119,129; May 31.
Dyke, Henry V., Auckland, New Zealand. Belt dressing for machinery or like. 2,119,457; May 31.
Eaton Detroit Metal Company. (See Viers, E. D., and Case, assignors.)
Eaton Manufacturing Company. (See Charlton, George, assignor.)
Eclipse Aviation Corporation. (See Finnegan, M. J., and Baer, assignors.)
Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)
Edwards, Fred R., Sr., Detroit, Mich. Ironing board cover. 2,119,427; May 31.
Egbert, Warren. (See Kerns, F. W., and Egbert.)
Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,119,101; May 31.
Egloff, Hans C., assignor to Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Steam generating plant. 2,119,100; May 31.
Egry Register Company, The. (See Stern, Milton C., assignor.)
Ehrensperger, Charles, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Electric valve control system. 2,119,130; May 31.
Ehret, Henrietta, St. Louis, Mo. Race course game. 2,119,046; May 31.
Finson-Freeman Co. (See Leigh, Nathan J., assignor.)
Elder, Frank R. (See Bedford, B. D., Willis, and Elder.)
Electric and Musical Industries Limited. (See Shoenberg, I., Condliffe, and Tedham, assignors.)
Elias, Nathaniel M., New York, N. Y. Vacuum jacketed glass tube and shape. 2,119,009; May 31.
Elmendorf, Armin, Chicago, Ill. Flexible end grain wood floor covering. 2,118,841; May 31.
Emsco Derrick & Equipment Company. (See Wooldridge, Mack, assignor.)
Engholm, Bernard A., Shaker Heights, assignor to The Kola Company, Cleveland, Ohio. Loudspeaker. 2,119,272; May 31.
Englar, Lillian G., Crestwood, N. Y. Protective electrical receptacle plate. 2,119,428; May 31.
Erichsen, Abraham M., Teltow, near Berlin, Germany. Apparatus for casting metal ingots. 2,119,321; May 31.
Ernst, Fritz, Kronshagen, near Kiel, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Internal combustion engine. 2,119,226; May 31.
Ernst, Herman. (See Flammang, J., Bowser, and Ernst.)
Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)
Evans, Charles S. (See Murad, Walter, assignor.)
Ewing, Hugh W., Chicago, Ill. Air inlet means for incinerators and furnaces. 2,119,322; May 31.
Excel Curtain Company. (See Holt, T. W., and Levan, assignors.)
Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Motor vehicle and vehicle driving mechanism. 2,118,810; May 31.
Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Driving mechanism. 2,118,811; May 31.
Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Driving mechanism. 2,118,812; May 31.
Faltelowitz, Arnold, Suresnes, France, assignor of seventy-five per cent to M. Bunimovitch, Brussels, Belgium. Reducing potatoes and other starch-containing vegetables to the form of a dry powder. 2,119,155; May 31.
Faloon, Dalton B., Beacon, and R. M. Whittaker, New York, assignors to Hammond Paint & Chemical Co., Inc., Beacon, N. Y. Protecting material employing pest-proofing media and material so protected. 2,119,458; May 31.
Felton, Donald A., London, England, assignor, by mesne assignments, to American-La France-Foamite Corporation, New York, N. Y. Apparatus for detecting fires. 2,118,837; May 31.
Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Meerbeck, Gottfried, assignor.)
Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Unterbusch, F., and Bodemann, assignors.)
Fernald, Merritt C. (See Hill, A. J., and Fernald.)
Ferrall, Thomas L. (See Roberts, E. W., and Ferrall.)
Ferrall, Thomas L., assignor to Roberts Brass Manufacturing Company, Detroit, Mich. Control means for lighter mechanism. 2,119,385; May 31.
Finch, William G. H., New York, N. Y. Dual tone telegraphy system. 2,118,917; May 31.
Finnegan, Martin J., New York, N. Y., and H. Baer, Jersey City, assignors to Eclipse Aviation Corporation, East Orange, N. J. Power plant. 2,119,156; May 31.
Flaherty, Mark, Haddonfield, N. J., assignor to Radio Corporation of America. Television receiver. 2,119,102; May 31.
Flammang, John, University City, and P. L. Bowser and H. Ernst, assignors to The Sterling Corporation, St. Louis, Mo. Method and apparatus for casting. 2,119,242; May 31.
Fletcher, George A., assignor, by mesne assignments, to Munsingwear, Inc., Minneapolis, Minn. Garment. 2,119,227; May 31.
Fletcher, Hardy L., Toronto, Ontario, Canada. Protective beading for motor car fenders. 2,119,429; May 31.
Flip-Top, Ltd. (See Pellerin, Fabienne, assignor.)
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Attaching device. 2,119,228; May 31.
Fodor, Joseph, London, England. Sign. 2,119,157; May 31.



Food Machinery Corporation. (See Paxton, Gerald C., assignor.)
Food Machinery Corporation. (See Paxton, Hale, assignor.)
Food Machinery Corporation. (See Sharma, Jagan N., assignor.)
Foster, Clarence W. (See Atkinson, V. L., and Foster.)
Foster, Harold B., Williamsville, and E. B. Punnett, Buffalo, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Purification of phthalic anhydride. 2,118,918; May 31.
Foster, Tony E., assignor to Herff-Jones Co., Indianapolis, Ind. Finger ring. 2,119,229; May 31.
Francis, Alfred W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of alcohols. 2,118,881; May 31.
Francis, Alfred W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of alcohols. 2,118,882; May 31.
Freistadt, Willy. (See Weichardt, R., Freistadt, and Hicke.)
French Bauer Incorporated. (See Baumann, Lewis A., assignor.)
Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. Electric valve operating means. 2,119,431; May 31.
Frey, Frederick E., and P. A. Bury, Bartlesville, Okla., assignors to Phillips Petroleum Company. Molding compositions and producing the same. 2,118,813; May 31.
Frey, Karl, Dueren, Germany. Metallic packing. 2,119,158; May 31.
Frisz, George E., Indianapolis, Ind. Brake adjusting gauge. 2,119,206; May 31.
Fuchs, Arthur J., St. Louis, Mo. Heating and cooling system for trailer vehicles. 2,118,884; May 31.
Fulton Company, The. (See Thorp, J. R., and Strand, assignors.)
Fye, William A., assignor to McLanahan & Stone Corporation, Hollidaysburg, Pa. Vibrating screen. 2,119,273; May 31.
Gail, Cyril J., Santa Monica, Calif. Dental cabinet. 2,119,047; May 31.
Gannett, Danforth K., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing arrangement for electron discharge devices and operating same. 2,118,919; May 31.
Garner, Fred G., and G. A. Auer, assignors to Wagner Sign Service, Inc., Chicago, Ill. Display device. 2,119,430; May 31.
Garrison, Forrest C., Highland Park, Ill., assignor to The Oscar C. Rixson Company. Casement window operator. 2,119,048; May 31.
Gasoline Products Company. (See Keith, Percy C., Jr., assignor.)
Gasoline Products Company. (See Lobo, Walter E., assignor.)
Gaspar, Bela, Brussels, Belgium. Producing multicolor photographic pictures and material therefor. 2,119,325; May 31.
Gasser, Fred H. (See Brown, John E., assignor.)
Gelgy, J. R., A. G. (See Müller, Paul, assignor.)
General Aniline Works, Inc. (See Schnitzspahn, K., and Koch, assignors.)
General Aniline Works, Inc. (See Zerweck, W., Steiger, and Ritter, assignors.)
General Electric Company. (See Allee, David A., assignor.)
General Electric Company. (See Bedford, B. D., Willis, and Elder, assignors.)
General Electric Company. (See Cheeseman, R. T., and Harty, assignors.)
General Electric Company. (See Hermann, Benjamin R., assignor.)
General Electric Company. (See Holm-Hansen, O., and Watts, assignors.)
General Electric Company. (See Lewis, E. H., and Hull, assignors.)
General Electric Company. (See Lewis, E. H., and Hull, assignors.)
General Electric Company. (See Morrill, Wayne J., assignor.)
General Electric Company. (See Morse, Harold F., assignor.)
General Electric Company. (See Nowak, Paul, assignor.)
General Electric Company. (See Puffer, Samuel R., assignor.)
General Electric Company. (See Stratton, Jerry L., assignor.)
General Manifold and Printing Company. (See Lewis, E. Z., and Menihan, assignors.)
General Motors Corporation. (See Dasher, Don E., assignor.)
General Motors Corporation. (See Hughes, Frederick C., assignor.)
General Motors Corporation. (See Karmasin, John, assignor.)
General Motors Corporation. (See Marino, Salvatore F., assignor.)
General Motors Corporation. (See Smith, Harry F., assignor.)
General Motors Corporation. (See Spicacci, Attilio R., assignor.)
General Radio Company. (See Hunt, Frederick V., assignor.)
Gentile, Virginio J., Summit, N. J. Curling hair. 2,118,920; May 31.
Gevaert Photo-Producten, N. V. (See Schuller, A., and Tritsmans, assignors.)
Gevaert Photo-Producten, N. V. (See Schuller, A., Tritsmans, and Hendricx, assignors.)
Gibbs, John H., Framingham, Mass. Air conditioning apparatus. 2,119,207; May 31.
Gisholt Machine Company. (See Senger, Werner I., assignor.)
Glafcke, Ludlow B., Salt Lake City, Utah. Traffic semaphore. 2,119,049; May 31.
Glenning, Clifford V., Watertown, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Buffing compositions. 2,119,150; May 31.
Globe Company, The. (See Biedermann, Oscar, assignor.)
Goergen, Charles, St. Louis, Mo. Pneumatic toy. 2,118,971; May 31.
Golden, Louis J., Highland Park, assignor to B and B Shoe Company, Chicago, Ill. Child's slipper shoe and making same. 2,119,324; May 31.
Goldman, Isidore H., et al. (See Rodger, Stuart J., assignor.)
Goldsmith, Henry F., Longport, N. J. Rear view vanity mirror. 2,119,208; May 31.
Gommel, Dewey E., Indianapolis, Ind. Power transmission mechanism. 2,119,431; May 31.
Gompers, Lewis, trustee. (See Ashley, Frank M., assignor.)
Goodby, William T. (See Whitehead, F. W., and Goodby.)
Goodhart, Jacob A., Chicago, Ill. Surgical splint. 2,119,325; May 31.
Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)
Government of the United States, as represented by the Secretary of the Interior. (See Storch, Henry H., assignor.)
Gracia, Albert J., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Preparing dithiazyl disulphides. 2,119,131; May 31.
Grant, Harry C., Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J. Detection of suspended matter in fluids. 2,119,326; May 31.
Grant, John. (See Raymond, Edward F., assignor.)
Grebe, John J., assignor to The Dow Chemical Company, Midland, Mich. Control system. 2,118,842; May 31.
Gringler, Charles S., Cleveland, Ohio. Tooth powder container. 2,119,160; May 31.
Grison, Joseph, New York, N. Y., assignor to National Fire Detector Corporation. Fire alarm and extinguisher. 2,119,103; May 31.
Grubbs, Robert A. (See Kerr, W. A., and Grubbs.)
Guett, Monroe, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric circuit breaker with overload release. 2,119,459; May 31.
Guiberson Corporation, The. (See Pranger, Albert, assignor.)
Guiberson Corporation, The. (See Thaheld, Ferl A., assignor.)
Guild, Herbert C., New York, N. Y. Gas compressor and clearance varying means therefor. 2,118,843; May 31.
Gunnarson, Enoch C., Brooklyn, N. Y. Demountable ring. 2,119,327; May 31.
Gurton, William S., J. Plint, and H. Nyberg, assignors to Dominion Truck Equipment Co., Limited, Kitchener, Ontario, Canada. Semitrailer fifth wheel brake and electric connection. 2,119,460; May 31.
Haag, Johannes, Neunkirchen, Germany. Controlling a gas-heated metallurgical furnace provided with regenerators. 2,118,921; May 31.
Haberlin, John F., assignor to Boeing Aircraft Company, Seattle, Wash. Toilet for vehicles. 2,119,328; May 31.
Hagen, Margaret, administratrix. (See Hagen, Paul.)
Hagen, Paul, deceased, Brooklyn, N. Y.; M. Hagen, administratrix. Developer tank for strips of film. 2,119,230; May 31.
Haines, Donald G., Bloomfield, and K. G. Bucklin, East Orange, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 2,118,922; May 31.
Hale, Frank C., and J. R. Yorke, Spondon, near Derby, England, assignors to Celanese Corporation of America. Circular loom. 2,118,844; May 31.
Hall, George W., Bridgeport, Conn. Temporary protective covering for bathtubs. 2,119,210; May 31.
Hall, Judson W., Raton, N. Mex. Typewriter attachment. 2,118,972; May 31.
Hall, Oliver C., Fair Lawn, N. J., and J. F. Toomey, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,119,209; May 31.
Halle & Co. Aktiengesellschaft. (See Herrmann, O., and Müller, assignors.)
Hammond Paint & Chemical Co. (See Faloon, D. B., and Whittaker, assignors.)
Hand, Leslie T. (See Korndorfer, C. J., and Hand.)
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Amplifier. 2,118,845; May 31.

Hanagirg, Fritz, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Refining of metals. 2,118,973; May 31.
Hansen, Henry, Burlingame, Calif., assignor to Swift and Company, Chicago, Ill. Rolling pin scraper. 2,118,923; May 31.
Harburger Gummiwaren Fabrik Phoenix, Aktiengesellschaft. (See Meyer, Arnold, assignor.)
Hardwicke-Etter Company. (See Streun, John A., assignor.)
Harpsone Manufacturing Corporation. (See Orcutt, Elwyn T., assignor.)
Harrington, Joseph, Jr., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Assembling device. 2,118,883; May 31.
Harris, Walter B., Bayside, Long Island City, N. Y. Oil gas generating process. 2,119,432; May 31.
Hartmer, Hans A., Oslo, Norway. Screw press. 2,119,162; May 31.
Hartwell, Arthur F. (See Hartwell, Benjamin F., L. L., Jr., and A. F.)
Hartwell, Benjamin F., L. L., Jr., and A. F., Bellows Falls, Vt. Molded counter and unmolded quarter for boots and shoes, and making same. 2,119,274; May 31.
Hartwell, Leslie L., Jr. (See Hartwell, Benjamin F., L. L., Jr., and A. F.)
Harty, Edgar A. (See Cheeseman, R. T., and Harty.)
Harvey, James W., Winthrop, Me., assignor to R. S. Allyn, New York, N. Y. Child's crib, etc. 2,119,387; May 31.
Hatman, Julius G., Elkins Park, assignor to The Sharples Specialty Company, Philadelphia, Pa. Recovery of tar acids. 2,119,132; May 31.
Haught, Thomas E., Boldman, Ky. Automatic fluid strainer. 2,119,433; May 31.
Hay, Alvan O., Washington, D. C. Electric heater. 2,119,101; May 31.
Haseltine Corporation. (See Lewis, H. M., and Cawein, assignors.)
Heald Machine Company, The. (See Richards, Charles H., assignor.)
Heald Machine Company, The. (See Schmidt, William D., assignor.)
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,118,846; May 31.
Henderson, Fred E., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coil and making coils. 2,118,924; May 31.
Hendricks Research Corporation. (See Lyons, Willard E., assignor.)
Hendrickx, Sergius. (See Schuller, A., Tritsmans, and Hendrickx.)
Henken, Bartholdi, Chicago, Ill. Bumper. 2,119,434; May 31.
Hercules Powder Company. (See Bishop, William T., assignor.)
Hercules Powder Company. (See Humphrey, Irvin W., assignor.)
Hercules Powder Company. (See Lorand, Eugene J., assignor.)
Herff-Jones Co. (See Foster, Tony E., assignor.)
Herman, Fredd A., Chicago, Ill. Spring web seat construction. 2,118,974; May 31.
Hermann, Benjamin R., Pittsfield, Mass., assignor to General Electric Company. Electric switch. 2,119,388; May 31.
Herrmann, Otto, Wiesbaden, and P. Müller, Wiesbaden-Sonnenberg, assignors to Kalle & Co., Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Roll of adhesive strip. 2,119,163; May 31.
Hesse, Arthur F., et al. (See Cooper, Roger G.)
Hesse, Carl L., et al. (See Cooper, Roger G.)
Hesse, Edward S., et al. (See Cooper, Roger G.)
Heuser, Herman, Evanston, Ill. Treating coffee. 2,119,320; May 31.
Hey, Henry W., assignor to Automatic Shifters, Inc., Richmond, Va. Gear shifting mechanism for motor vehicles. 2,119,255; May 31.
Hicke, Johannes. (See Weichardt, R., Freistadt, and Hicke.)
Higley, Frank R., Cleveland Heights, assignor to The American Laundry Machinery Company, Norwood, Ohio. Tail clamp. 2,119,275; May 31.
Hill, Arthur J., New Haven, Conn., and M. C. Fernald, assignors to Ostro Research Laboratories, Inc., New York, N. Y. Naphthalene derivatives containing a $C_5H_5N$ group and producing them. 2,119,077; May 31.
Hill, Frank B. (See Moncrieff, R. W., and Hill.)
Hill, F. H. Company. (See Scholl, Harry S., assignor.)
Himmell, Samuel S., New York, N. Y. Coated paper. 2,119,164; May 31.
Hirsh, Martha H., South Orange, N. J. Cap. 2,119,330; May 31.
Hirth, Hellmuth, assignor to Hirth-Motoren G. m. b. H. Stuttgart-Zuffenhausen, Germany. Engine structure. 2,119,104; May 31.
Hirth-Motoren G. m. b. H. (See Hirth, Hellmuth, assignor.)
Hoe, R., & Co. (See Lamatsch, F., and Horton, assignors.)
Hogan Inventions, Inc. (See Hogan, Kenneth P., assignor.)
Hogan, Kenneth P., assignor to Hogan Inventions, Inc., Philadelphia, Pa. Toy. 2,119,133; May 31.
Hogg, Francis, Wesleyville, Pa., assignor by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Fuel deflector. 2,119,010; May 31.
Hoh, Simon E. (See Reimer, William E., assignor.)
Holden, William H. T., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,119,211; May 31.
Holderer, George B., Scarsdale, N. Y. Liquid oxygen explosive. 2,119,050; May 31.
Holland-Letz, John, Crown Point, Ind., assignor to The Letz Manufacturing Company. Roughage mill. 2,119,336; May 31.
Holland, Sidney S., G. F. Traughber, and R. J. McVey, Sandusky, assignors, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Wringer. 2,119,276; May 31.
Holland, Sidney S., Sandusky, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Ironer tray. 2,119,277; May 31.
Holm-Hansen, Osmund, Stratford, and N. H. Watts, Bridgeport, Conn., assignors to General Electric Company. Floor polishing machine. 2,119,386; May 31.
Holt, Thomas W., and J. F. Levan, assignors to Excel Curtain Company, Elkhart, Ind. Blind construction. 2,119,011; May 31.
Holton, John H. (See Carrier, W. H., and Holton.)
Holzwarth Gas Turbine Co. (See Holzwarth, Hans, assignor.)
Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Combustion engine power plant for driving vehicles. 2,118,814; May 31.
Hörnstein, Karl O., Bjorkoby, Sweden. Rake. 2,119,165; May 31.
Horton, Albert J. (See Lamatsch, F., and Horton.)
Houseman, Harold E., Laconia, N. H., assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Knitting machine. 2,118,815; May 31.
Howard, Clarence B. (See Rayment, L. C., and Howard.)
Howard Safety Window, Inc. (See Buchach, Edward M., assignor.)
Hudson Motor Car Company. (See Meech, James H., assignor.)
Huffer, Glen H., assignor to Backstay Welt Company, Union City, Ind. Laminated trimming strip and making same. 2,119,482; May 31.
Hughes, Frederick G., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Antifriction bearing. 2,118,885; May 31.
Hull, Clifford O. (See Lewis, E. H., and Hull.)
Humphrey, Irvin W., assignor to Hercules Power Company, Wilmington, Del. Dipentene-maleic anhydride reaction product and making it. 2,118,925; May 31.
Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Synthetic resin and method of producing. 2,118,926; May 31.
Hunt, Frederick V., assignor of one-half to General Radio Company, Cambridge, Mass. Frequency meter. 2,119,389; May 31.
Hunt, Gilbert O., Armstead, Mont. Forceps. 2,119,078; May 31.
Hunt, Thomas B., Macon, Ga. Comb box. 2,118,975; May 31.
Hurst, Max. (See Meyer, A., Hurst, and Stockmeyer.)
Hutchinson, Robert, and J. A. Newbold, Nottingham, England. Purification of silica. 2,119,105; May 31.
Hutchison, Edwin J., Barnesville, Ohio. Receptacle. 2,119,435; May 31.
Hyde, Reed W., Summit, and R. H. Cromwell, East Orange, N. J., assignors of one-half to Dwight & Lloyd Sintering Company, Inc., and one-half to Associated Metals & Minerals Corporation, New York, N. Y. Recovering mercury from antimony-containing ores. 2,119,231; May 31.
Hyman, Henry. (See Muldoon, Bernard F., assignor.)
Hyman, S. E., Company, The. (See Pickard, Clesson H., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Drucker, Julius, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., and Donath, assignors.)
I. G. Farbenindustrie Aktiengesellshaft. (See Reppe, W., Starck, and Voss, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Sötl, Julius, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Waldmann, E., and Chwala, assignors.)
Illinois Dry Kiln Company. (See Card, Joseph B., assignor.)
Imperial Chemical Industries Limited. (See Carter, D., Cuthbert-Smith, Jackson, Rendell, and Thomas, assignors.)
Industrie A. G. Allegro. (See Barsch, Guillaume, assignor.)
International Projector Corporation. (See Pearlman, J., and Kindlemann, assignors.)
International Register Company. (See Thompson, Ernest H., assignor.)
Iversen, Lorens, assignor to Mesta Machine Company, Pittsburgh, Pa. Rolling mill. 2,119,390; May 31.
Jacobsson, Wilgot J. (See Smith, G. H., and Jacobsson.)
Jackson, Harry. (See Carter, D., Cuthbert-Smith, Jackson, Rendell, and Thomas.)
Jacobs, F. L., Company. (See Chesley, Walter R., assignor.)





Jensen, James A., assignor to Quaker City Iron Works, Philadelphia, Pa. Pipe coupling. 2,119,331; May 31.
Joesting, Frederick D., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel burner control system. 2,118,886; May 31.
Johnson Fare Box Company. (See Baur, J. W., and Nahm, assignors.)
Johnson Fare Box Company. (See Nahm, E. A., and Van Zuilen, assignors.)
Johnson, Leonard T., Maplewood, N. J. Weighing scale. 2,119,106; May 31.
Johnston, Clarence L., Oakland, Calif. Autographic register. 2,119,232; May 31.
Jodkins, Glenn D., Stockton, Calif. Slipper. 2,119,233; May 31.
Jung, Heinrich. (See Schmidt, H., and Jung.)
Jurriaanse, Tom, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Mercury cathode tube. 2,118,687; May 31.
Jurs, Albert E. (See Denham, John J., assignor.)
Kacena, John, assignor to Crane Co., Chicago, Ill. Support for radiators and the like. 2,119,256; May 31.
Kadenacy, Michel, Paris, France, assignor of one-half to Armstrong Whitworth Securities Company, Limited, London, England. Pressure indicator. 2,119,166; May 31.
Kahl, Henry, Forest Hills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Volume indicator. 2,119,212; May 31.
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Stove. 2,119,012; May 31.
Kane, Thomas, Holborn, London, assignor to Edward Halford Strange, London, England. Manufacture of alkyl halides. 2,119,079; May 31.
Kane, Thomas, Holborn, London, assignor to E. H. Strange, Ventnor, Isle of Wight, England. Making alkyl halides. 2,119,167; May 31.
Kantola, Carl F. (See Lentz, W. L., and Kantola.)
Karmazin, John, Huntington, Ind., assignor to General Motors Corporation, Dayton, Ohio. Grille construction. 2,119,134; May 31.
Kasehagen, Leo, assignor to Carnegie Institute of Technology of Pittsburgh, Pa., Pittsburgh, Pa. Production of high molecular weight phenolic substances from coal. 2,119,213; May 31.
Katz, Morris, Bronx, N. Y. Tying cord. 2,118,847; May 31.
Kay Manufacturing Corporation. (See Krakauer, Abraham, assignor.)
Kearney & Trecker Corporation. (See Armitage, Joseph B. assignor.)
Kearney & Trecker Corporation. (See Curtis, Frank W.)
Keith, Percy C., Jr., Peapack, assignor to Gasoline Products Company Inc., Newark, N. J. Cracking oils in vapor phase. 2,119,391; May 31.
Keller, Charles L., Cincinnati, Ohio, assignor to The Richardson Company. Lined or composite battery box and the like. 2,119,278; May 31.
Kemp Bros. Packing Co. (See Miller, Pearl L., assignor.)
Kennedy, Ernest C., Houston, Tex. Electric switch. 2,119,080; May 31.
Kern, William, Ridgefield Park, N. J. Cold storage cabinet. 2,119,332; May 31.
Kerngood, Allen H., Baltimore, Md., assignor to Alma Manufacturing Company. Buckle and slide fastener. 2,119,469; May 31.
Kerns, Frank W., Berkeley, and W. Egbert, Knights Landing, Calif. Apparatus for removing solids from fluids. 2,119,013; May 31.
Kerr, William A., and R. A. Grubbs, Douds, Iowa. Grinding wheel. 2,119,279; May 31.
Ketcham, Lyman G., Brooklyn, assignor to Teleradio Engineering Corporation, New York, N. Y. Condenser. 2,119,107; May 31.
Kidde, Walter & Company. (See Grant, Harry C., Jr., assignor.)
Kieffer, Raymond J. (See Stahl, F. E., and Kieffer.)
Kimlin, Douglas O. (See Kimlin, Harry T. and D. O.)
Kimlin, Harry T. and D. O., Hyde Park, N. Y. Automatic stop for a threading die head. 2,119,014; May 31.
Kindelmann, Albert. (See Pearlman, J., and Kindelmann.)
Kingsbury, George P., Hollis, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 2,118,927; May 31.
Kirokichi Suzuki. (See Tanaka, Shinjiro, assignor.)
Kissel, B. M. (See Kissel, William L., assignor.)
Kissel Industries. (See Kissel, William L., assignor.)
Kissel, William L., assignor to B. M. Kissel, doing business as Kissel Industries, Hartford, Wis. Outboard motor. 2,118,928; May 31.
Kistner, Harold E., Babetha, Kans. Treating cream for butter making. 2,119,461; May 31.
Klingelnberg, W. Ferd., Söhne. (See Schicht, Heinrich, assignor.)
Knorr-Bremse Aktiengesellschaft. (See Lauf, Hans, assignor.)
Knoth, Richard B. (See Schuyler, A. L., Knoth, and MacLegan.)
Knowland, Richard G., Pelham, N. Y., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Manufacture of floor coverings. 2,119,081; May 31.
Knox Glass Bottle Company. (See Thomas, Howard J., assignor.)
Koch, Wilhelm. (See Schnitzpahn, K., and Koch.)
Kordatzki, Willy. (See Wulff, P., and Kardatzki.)
Korndorfer, Casper J., Allendale, N. J., and L. T. Hand, Brooklyn, assignors to Morsegraph, Inc., New York, N. Y. Message holder. 2,119,483; May 31.
Krafft & Weichardt. (See Weichardt, R., Freistadt, and Hicke, assignors.)
Krakauer, Abraham, assignor to Kay Manufacturing Corporation, Brooklyn, N. Y. Studio couch. 2,119,257; May 31.
Kramar, Ernst, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Slip-way beacon. 2,118,829; May 31.
Krebs, Ernst T., Jr. (See Krebs, E. T. and E. T., Jr.)
Krebs, Ernst T. and E. T., Jr., San Francisco, Calif. Treating wood for the rapid maturation of whiskey and other alcoholic liquors and wines. 2,119,234; May 31.
Kreisfeld, Friedrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Variable coupling device. 2,119,333; May 31.
Kreuzer, Barton. (See Olson, H. F., and Kreuzer.)
Kriechbaum, John P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fluid fuel burner control. 2,119,503; May 31.
Kroenig, Walter. (See Pier, M., Donath, and Kroenig.)
Kronquest, Alfred L., and S. C. Robison, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Sealing material for producing can seals and the like. 2,119,280; May 31.
Krupp, Fried. Germaniawerft Aktiengesellschaft. (See Ernst, Fritz, assignor.)
Kueffer, E. H. (See Trautner, Wagn, assignor.)
Kull, Fred F., Astoria, and P. L. Mosser, North Jackson Heights, N. Y. Soldering iron. 2,119,462; May 31.
Küppenbender, Heinz, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic camera. 2,119,235; May 31.
Kurz, Fred, assignor to Sangamo Electric Company, Springfield, Ill. Polyphase watthour meter construction. 2,119,015; May 31.
Kus, Walter C., Springfield, Mass. Electrically heated curling iron. 2,119,168; May 31.
Lamatsch, Frederick, Grantwood, N. J., and A. J. Horton, White Plains, assignors to R. Hoe & Co., Inc., New York, N. Y. Web associating mechanism for printing machines. 2,118,816; May 31.
Lamb, Charles, South Pasadena, Calif. Rubber heel. 2,119,016; May 31.
Lane, Daniel J., Wyndmoor, assignor to Leeds & Northrup Company, Philadelphia, Pa. Control system. 2,119,108; May 31.
Lane-Wells Company. (See Turechek, G. F., and Smith, assignors.)
Larkin, Dennis F., assignor to Larkin Specialty Manufacturing Company, San Francisco, Calif. Fruit coring and filling instrument. 2,118,976; May 31.
Larkin Specialty Manufacturing Company. (See Larkin, Dennis F., assignor.)
Lauf, Hans, Berlin-Charlottenburg, assignor to Knorr-Bremse Aktiengesellschaft, Berlin-Lichtenberg, Germany. Gas-operated gun loading device. 2,119,169; May 31.
Lauff, Max, Detroit, Mich. Wrist watch bracelet. 2,119,436; May 31.
Laursen, Laurits A., Copley, Ohio. Apparatus for and method of inserting washers in rubber heels. 2,118,817; May 31.
Lawley, George & Son Corporation. (See Tamm, Bror, assignor.)
Lawrence, John G., Tampa, Fla. Fishing tackle. 2,119,504; May 31.
Laymon, Bert M., et al. (See Stout, John N., assignor.)
Leavelle, A. B. (See Stannard, Benjamin, assignor.)
Lebedeff, Yurii E. (See Betterton, J. O., and Lebedeff.)
Le Boeuf, George H., Manitowoc, Wis. Automobile baggage carrier. 2,119,051; May 31.
Leeds & Northrup Company. (See Cooper, George A. S., assignor.)
Leeds & Northrup Company. (See Doyle, E. D., and Wilson, assignors.)
Leeds & Northrup Company. (See Lane, Daniel J., assignor.)
Leeds & Northrup Company. (See Stein, I. M., and Peters, assignors.)
Leffer, William S., New York, N. Y. Self-affixing and self-tightening connection for rotating and rotated members. 2,119,334; May 31.
Leigh, Nathan J., Great Neck, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Knock-down display device. 2,118,848; May 31.
Leitz, Ernst, G. m. b. H. (See Riepert, Hermann, assignor.)
Leitz, Ernst, G. m. b. H. (See Wurm, Wilhelm, assignor.)
Lentz, William L., Tuckahoe, N. Y., and C. F. Kantola, Ashtabula, Ohio, assignors to The New York Central Railroad Company. Locomotive structure. 2,119,082; May 31.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Pull-back spring for scraper tail gates. 2,119,335; May 31.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)

Lets Manufacturing Company, The. (See Holland-Letz, John, assignor.)
Levan, John F. (See Holt, T. W., and Levan.)
Levin, David, New York, N. Y. Shoe. 2,119,392; May 31.
Levine, Arthur A., and O. W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorination of propylene dichloride. 2,119,464; May 31.
Levine, Arthur A., and O. W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyclohexene chlorhydrin. 2,119,485; May 31.
Lewis, Edward H., Bridgeport, and C. O. Hull, Stratford, Conn., assignors to General Electric Company. Electric cable and manufacturing the same. 2,119,393; May 31.
Lewis, Edward H., Union, N. J., and C. O. Hull, Stratford, Conn., assignors to General Electric Company. Electric cable. 2,119,394; May 31.
Lewis, Edward Z., Evanston, Ill., and W. J. Menihan, Franklin, Pa., assignors to The General Manifold and Printing Company. Master copy sheet. 2,118,888; May 31.
Lewis, Harold M., Douglaston, Long Island, and M. Cawein, Manhasset, N. Y., assignors to Haseltine Corporation. Television apparatus. 2,118,977; May 31.
Lewis, Lester L., Cabot, assignor to Lewritch Receptacle Corporation of Pennsylvania, Pittsburgh, Pa. Non-recapping bottle. 2,119,463; May 31.
Lewritch Receptacle Corporation of Pennsylvania. (See Lewis, Lester L., assignor.)
Lilja, Edgar D., assignor to H. D. Colman, Rockford, Ill. Electrical closure control system. 2,118,930; May 31.
Linde, Frank R. (See Pierce, R. E., and Linde.)
Lindsey, William, assignor to W. Wrigley, Jr., Company, Chicago, Ill. Package wrap. 2,118,849; May 31.
Link, Amidas C. (See Wentworth, P. C., and Link.)
Link, Edwin A., Jr., Cortland, N. Y. Aviation trainer. 2,119,063; May 31.
Link, Maximilian P., Los Angeles, Calif. Container opening device. 2,119,135; May 31.
Litaker, Joseph A., Enid, Okla. Internal combustion engine. 2,119,464; May 31.
Llewellyn, Frederick B., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Space discharge tube circuit. 2,118,931; May 31.
Lo Bianco, Vincent P., New York, N. Y. Liquid for treating leather, particularly shoes. 2,118,932; May 31.
Lobo, Walter E., Westfield, assignor to Gasoline Products Company, Inc., Newark, N. J. Heating hydrocarbon oils. 2,119,470; May 31.
Locke, Burton H., Lowell, Mass. Expansion pulley. 2,119,095; May 31.
Lockett, Ralph G., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Reversing control apparatus for a plurality of electric motors. 2,119,337; May 31.
Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Preparation of aralkyl ethers of cellulose. 2,119,171; May 31.
Lorenz, C., Aktiengesellschaft. (See Kramar, Ernst, assignor.)
Lott, Alex, Orange, Tex. Vegetable washing apparatus. 2,119,170; May 31.
Lower, Melvin S. (See Baughman, H. S., and Lower.)
Ludeen, Alfred E., Jr., Stamford, Conn. Mounting for surfboard motors. 2,119,281; May 31.
Ludwig, John E., Detroit, Mich., assignor to De Vilbiss Company, Inc., Toledo, Ohio. Spray booth. 2,119,282; May 31.
Lummus Company, The. (See Boeckeler, Benjamin C., assignor.)
Lyman, Horatio S., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Ornamenting shoes. 2,118,880; May 31.
Lyons, Willard E., assignor to Hendricks Research Corporation, Chicago, Ill. Inhibiting gum formation in stored hydrocarbon motor fuels. 2,119,240; May 31.
Macadie, Hugh S., Westminster, London, England. Multirange electrical measuring instrument. 2,118,933; May 31.
MacLagan, Allan R. (See Schuyler, A. L. Knoth, and MacLagan.)
Madden, Clyde R., Charleston, W. Va. Apparatus for heating test tubes. 2,119,172; May 31.
Madnar, Rudolf, Vienna, Austria. Artificial tooth. 2,118,934; May 31.
Maes, Frédéric, Brussels, assignor to Servo Frein Dewandre Société Anonyme, Liege, Belgium. Control device with predetermined successive positions. 2,118,890; May 31.
Magin, Auguste A. G., Paris, France, assignor to The Superheater Company, New York, N. Y. Valve gear. 2,119,109; May 31.
Magrath, Arthur C., New Dorp, assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Switch mechanism. 2,118,935; May 31.
Majerus, Victor H. (See Bowen, H. H., and Majerus.)
Malinovsky, Andrew, South Gate, Calif. Wall structure. 2,118,936; May 31.
Mallory, P. R., & Co. (See Bagno, Samuel J. A. M., assignor.)
Mann, Roy M., Burgettstown, Pa., assignor to Ohio Valley Safety Apparel Company, Steubenville, Ohio. Protector. 2,119,396; May 31.
Manning, Maxwell & Moore, Inc. (See Bising, James A. M., assignor.)
Marasso, Fred, assignor to Union Machinery Company, Joliet, Ill. Combined dough divider and rounder. 2,119,017; May 31.
Marasso, Fred, assignor to Union Machinery Company, Joliet, Ill. Combined divider and rounder. 2,119,018; May 31.
Marathon Paper Mills Company. (See Mull, Arthur B., assignor.)
Marcel, François R., Brooklyn, N. Y. Haircutting means. 2,118,850; May 31.
Marcus, Samuel, New York, N. Y., assignor, by mesne assignments, to Margon Corporation, Bayonne, N. J. Rolling eye set. 2,119,214; May 31.
Margon Corporation. (See Marcus, Samuel, assignor.)
Marino, Salvatore F., Plainville, Conn., assignor to General Motors Corporation, Detroit, Mich. Antifriction bearing. 2,118,861; May 31.
Martin, James W., Yonkers, N. Y. Vending packet. 2,119,019; May 31.
Marvel Equipment Corporation. (See Roethel, John H., assignor.)
Maybach, Karl, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Gear-changing device for motor vehicles. 2,118,978; May 31.
Maybach-Motorenbau G. m. b. H. (See Dietrich, Otto, assignor.)
Maybach-Motorenbau G. m. b. H. (See Maybach, Karl, assignor.)
Mayo, Frank V., Stockton, Calif. Recording mechanism. 2,119,339; May 31.
Mays, Earle W., Benton Harbor, Mich. Skating footwear. 2,118,892; May 31.
Mazza, Plinio S. D., Paris, France. Preventing crust formations on the walls of boilers. 2,118,979; May 31.
McCaffrey, John W., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,119,110; May 31.
McCallum, John S., Goldfield, Iowa. Removing snow from roadways. 2,118,851; May 31.
McClay, Roy C., West Los Angeles, Calif., assignor to United Research Corporation, Long Island City, N. Y. Combined motion picture and sound reproducer. 2,119,136; May 31.
McDonnell, James W., Palo Alto, Calif. Pressure responsive apparatus. 2,118,852; May 31.
McLanahan & Stone Corporation. (See Fye, William A., assignor.)
McQuiston, Horace L., Oklahoma City, Okla., assignor to Phillips Petroleum Company. Automatically and manually operable valve. 2,119,084; May 31.
McVey, Reuben J. (See Holland, S. S., Traughber, and McVey.)
McVey, Reuben J., Sandusky, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Ironer shoe operating mechanism. 2,119,283; May 31.
Meech, James H., assignor to Hudson Motor Car Company, Detroit, Mich. Transmission. 2,118,853; May 31.
Meerbeck, Gottfried, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Jointing of tubes of thermoplastic material. 2,118,893; May 31.
Meier, Richard F., Philadelphia, Pa. Topping bar. 2,119,236; May 31.
Mendel, Herman, Albany, N. Y. Frame and rack for floral display. 2,119,237; May 31.
Menihan, William J. (See Lewis, E. Z., and Menihan.)
Mercer, Raymond C., Los Angeles, Calif. Film patch. 2,118,854; May 31.
Merrill, Richard C., Cave Junction, Oreg. Precious metals alloying apparatus. 2,119,238; May 31.
Messinger, William F., Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Balanced double-seated valve. 2,119,471; May 31.
Mesta Machine Company. (See Iversen, Lorens, assignor.)
Messar, John, Basking Ridge, and F. M. Wiese, Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,119,239; May 31.
Meyer, Alfred, M. Hurst, and F. W. Stockmeyer, Stuttgart, Germany, assignors to Robert Bosch, Gesellschaft mit beschränkter Haftung. Injection pump for internal combustion engines. 2,119,472; May 31.
Meyer, Arnold, assignor to the firm Harburger Gummiwaren Fabrik Phoenix, Aktiengesellschaft, Harburg-Wilhelmsburg, Germany. Manufacturing commercial rubber tubes or fabric hose. 2,119,465; May 31.
Meyer, Frederick, Union, assignor to Art Metal Works, Inc., Newark, N. J. Shaving mechanism. 2,119,284; May 31.
Michaut, Paul, Paris, France. Manufacture of urea and formaldehyde varnishes and product obtained. 2,119,466; May 31.
Michigan Tool Company. (See Simowski, Alex W., assignor.)



Miller, Clem, and G. Boyd, Nanticoke, Pa. Mechanical tester apparatus. 2,119,437; May 31.
Miller, John, Pittsburgh, Pa. Packing. 2,118,855; May 31.
Miller, Louis G. (See Tesseyman, J. E., and Miller.)
Miller, Pearl L., Kokomo, assignor to Kemp Bros. Packing Co., Frankfort, Ind. Switch construction. 2,119,020; May 31.
Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Apparatus for conditioning air. 2,119,338; May 31.
Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Amusement apparatus. 2,119,340; May 31.
Mills Novelty Company. (See Mills, Bert E., assignor.)
Milner, Cobb, assignor to Cotswold Comfortable Company, Syracuse, N. Y. Quilting apparatus. 2,119,341; May 31.
Minkowitz, George, New York, N. Y. Button hole stitching attachment. 2,119,111; May 31.
Minneapolis-Honeywell Regulator Company. (See Joesting, Frederick D., assignor.)
Minneapolis-Honeywell Regulator Company. (See Kriechbaum, John P., assignor.)
Mitchel, Willard E., Great Falls, Mont., assignor to Anaconda Copper Mining Company, New York, N. Y. Metal handling. 2,119,112; May 31.
Mojonnier Bros. Co. (See Newhall, Benjamin G., assignor.)
Moncrieff, Robert W., and F. B. Hill, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture or treatment of artificial filaments, threads, yarns, and like materials. 2,118,856; May 31.
Monitor Controller Company. (See Frese, Joseph F., assignor.)
Montgomery, Howard H., and A. J. Bourgeois, Los Angeles, Calif. Dental impression tray. 2,118,980; May 31.
Moore, George L., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston. 2,119,137; May 31.
Morford, Walter C., Los Angeles, Calif. Attachment and wall plug. 2,118,857; May 31.
Morgan, Thomas H., Kittanning, Pa. Vibrator. 2,119,285; May 31.
Mergenthaler Linotype Company. (See Kingsbury, George P., assignor.)
Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Belt tightener base. 2,119,397; May 31.
Morris, Walter A., assignor to Steelsmiths, Inc., Meriden, Conn. Heatproof service tray. 2,119,342; May 31.
Morrissey, William J., Brooklyn, N. Y. Apparatus for producing combined sound and motion picture films. 2,118,894; May 31.
Morse, Harold F., Southport, Conn., assignor to General Electric Company. Combined ceiling fan and light. 2,119,398; May 31.
Morsegraph, Inc. (See Korndorfer, C. J., and Hand, assignors.)
Moskovics, Frederick E., Greenwich, Conn., and V. R. Abrams, Maplewood, N. J. Shaving apparatus. 2,119,021; May 31.
Mosser, Paul L. (See Kull, F. F., and Mosser, assignors.)
Muldoon, Bernard F., Mountain View, N. J., assignor to H. Hyman, Brooklyn, N. Y. Flashlight. 2,119,486; May 31.
Mull, Arthur B., Appleton, assignor to Marathon Paper Mills Company, Rothschild, Wis. Display unit. 2,119,085; May 31.
Müller, Paul, Neu-Allschwil, near Basel, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Synthetic tanning agent. 2,119,173; May 31.
Müller, Philipp. (See Herrmann, O., and Müller.)
Muncheryan, Hrand M., Los Angeles, Calif. Electric discharge tube. 2,118,931; May 31.
Munsingwear, Inc. (See Fletcher, George A., assignor.)
Murad, Walter, San Carlos, assignor of one-half to C. S. Evans, San Francisco, Calif. Switch. 2,119,022; May 31.
Murrin, Gahlbeth H., Pasadena, Calif. Razor blade sharpener. 2,118,937; May 31.
Muschong, Peter J., St. Louis, Mo. Sash operator. 2,119,399; May 31.
Muter Company, The. (See Rollefson, Karl E., assignor.)
Myers, Harold L., Morristown, N. J. Display device. 2,119,343; May 31.
N. V. Machinerieen-en Apparaten Fabrieken "Meaf". (See Dallenbach, Walter, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Bouwers, Albert, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Jurriaanse, Tom, assignor.)
Naamloose Vennootschap Industrieele Maatschappij Voorheen Noury & van der Lande. (See van der Lande, B. L. M., and van Thiel, assignors.)
Nahm, Eugene A. (See Baur, J. W., and Nahm.)
Nahm, Eugene A., Baldwin, N. Y., and H. Van Zullen, assignors to Johnson Fare Box Company, Chicago, Ill. Electrical control means for fare boxes. 2,118,938; May 31.
Nallinger, Fritz, Stuttgart, assignor to Daimler Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Precombustion chamber for Diesel engines. 2,118,895; May 31.
Nardone, Romeo M., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine starter. 2,119,138; May 31.
National Aniline & Chemical Company. (See Foster, H. B., and Punnett, assignors.)
National Fire Detector Corporation. (See Grison, Joseph, assignor.)
Nevins, Henry E. (See Cook, S., and Nevins.)
Newbold, John A. (See Hutchinson, R., and Newbold.)
Newhall, Benjamin G., Forest Park, Ill., assignor to Mojonnier Bros. Co. Flow diversion valve. 2,118,858; May 31.
Newman, William E., Merchantville, N. J., assignor to Radio Corporation of America. Reduction-gear device. 2,118,859; May 31.
New Jersey Machine Corporation. (See von Hofe, George W., assignor.)
New York Central Railroad Company, The. (See Lentz, W. L., and Kantola, assignors.)
Nicolas, Marcel A., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Filled bag setting and shaping method and apparatus. 2,119,174; May 31.
Niederdrenk, Paul, Velbert, Germany. Door lock. 2,119,175; May 31.
Nigro, Arthur C. (See Bergevin, C. R., and Nigro.)
Nisenson, Julius, Brooklyn, N. Y. Venetian blind head bar bracket. 2,119,241; May 31.
Northern Equipment Company. (See Veenschoten, Vincent V., assignor.)
Nowak, Paul, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Insulating band for electrical machines and apparatus. 2,119,400; May 31.
Nufibre Corporation. (See Coulter, Charles P., Jr., assignor.)
Nurnberg, Charles, Brooklyn, N. Y. Thermometer. 2,119,344; May 31.
Nyberg, Herman. (See Gurton, W. S., Plint, and Nyberg.)
Ogden, Ralph E. (See Prescott, Arthur T., assignor.)
Ogg, William A., Cincinnati, Ohio. Apparatus for coking coal. 2,119,176; May 31.
Ohio Chemical and Manufacturing Company, The. (See Sholes, Justin G., assignor.)
Ohio Valley Safety Apparel Company. (See Mann, Roy M., assignor.)
Okun, Nathaniel N., assignor to Atlas Floor Surfacing Machinery Corp., New York, N. Y. Floor sander. 2,118,818; May 31.
O'Leary, William C., Washington, D. C. Vacuum wall receptacle. 2,119,438; May 31.
Olson, Harry F., Collingswood, N. J., and B. Kreuser, Rockaway Park, N. Y., assignors to Radio Corporation of America. Microphone and circuit. 2,119,345; May 31.
Olving, Bror G., Hamden, Conn., assignor to Products Protection Corporation. Electric condenser construction. 2,119,113; May 31.
Orcutt, Elwyn T., East Orange, assignor of one-half to Harptone Manufacturing Corporation, Newark, N. J. Nonrefillable closure for bottles. 2,118,819; May 31.
Ostro Research Laboratories, Inc. (See Hill, A. J., and Fernald, assignors.)
Owen, James E., and G. W. Bryson, Asheville, N. C., assignors to American Devices, Incorporated. Loading device. 2,119,139; May 31.
Owen, James P., Nashville, Tenn. Roller blotter. 2,118,939; May 31.
Owen, John J. (See Richardson, R. W., and Owen.)
Owens-Illinois Glass Company. (See Slayter, Games, assignor.)
Pacific Minerals Company. (See Price, Forest W., assignor.)
Padowics, Henry N., Bloomfield, assignor to Sirian Wire and Contact Company, Newark, N. J. Hard metal alloy and making the same. 2,119,487; May 31.
Padowics, Henry N., Bloomfield, assignor to Sirian Wire and Contact Company, Newark, N. J. Alloys and making same. 2,119,488; May 31.
Page, Walter, Scarsdale, and B. E. Taylor, Mount Vernon, assignors to The Borden Company, New York, N. Y. Apparatus for treating canned liquids. 2,119,346; May 31.
Page, Walter, Scarsdale, and B. E. Taylor, Mount Vernon, assignors to The Borden Company, New York, N. Y. Apparatus for treating liquids. 2,119,347; May 31.
Palmer, Verne T., Tuscarora, N. Y. Resilient mount for automobile wheels. 2,119,052; May 31.
Parmelee, Albert H., Wenatchee, Wash. Face protector. 2,119,439; May 31.
Parsons, Lewis A., Houston, Tex. Separator. 2,119,348; May 31.
Parsons, Ralph M., Company, The. (See Parsons, Ralph M., assignor.)
Parsons, Ralph M., assignor to The Ralph M. Parsons Company, Chicago, Ill. Support for liquid treating vessels. 2,119,215; May 31.
Paxton, Gerald C., Santa Ana, assignor to Food Machinery Corporation, San Jose, Calif. Slat feed. 2,119,054; May 31.
Paxton, Hale, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Box lidding and stamping machine. 2,119,053; May 31.
Payne, Lambert M., Detroit, Mich. Automobile body heater structure. 2,119,140; May 31.

Paysee, Robert B., Oak Park, Ill. Iron. 2,118,820; May 31.

Pearce, Gilbert J., Westbury, England. Glove. 2,119,177; May 31.

Pearce, William L., Houston, Tex. Drill. 2,119,349; May 31.

Pearlman, Julius, New York, and A. Kindelmann, Floral Park, assignors to International Projector Corporation, New York, N. Y. Motion-picture film magazine. 2,118,896; May 31.

Peffer, Anton T., St. Cloud, Minn. Holy water dispenser. 2,119,055; May 31.

Peik, Louis D. (See Wean, R. J., and Peik.)

Pellerin, Fabienne, assignor to Flip-Top, Ltd., New York, N. Y. Shoe bag. 2,119,490; May 31.

Pennimo, Oreste, New York, N. Y. Combination clip and brooch structure. 2,119,178; May 31.

Peters, Jacob C., Jr. (See Stein, I. M., and Peters.)

Peterson, John T., Chicago, Ill. Making a spray gun. 2,119,056; May 31.

Peyton, William C., New York, N. Y., and H. P. Anderson, Erie, Pa., assignors to The Standard Stoker Company, Inc. Stoker conveyer. 2,119,086; May 31.

Pfister, William A. (See Price, E., and Pfister.)

Phillips Petroleum Company. (See Frey, F. E., and Bury, assignors.)

Phillips Petroleum Company. (See McQuiston, Horace L., assignor.)

Pickard, Clesson H., assignor to The S. E. Hyman Company, Fremont, Ohio. Seat pad. 2,119,023; May 31.

Pickles, John. (See Pickles, Robert and J.)

Pickles, Robert and J., Burnley, England. Spinning solutions and the production of elastic yarns therefrom. 2,118,897; May 31.

Pier, Mathias, Heidelberg, W. Kroenig, Ludwigshafen-on-the-Rhine, and E. Donath, Mannheim, Germany, assignors to Standard-I. G. Company, Linden, N. J. Destructive hydrogenation of distillable carbonaceous material. 2,118,940; May 31.

Pier, Mathias, Heidelberg, and E. Donath, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cracking of liquid hydrocarbon products. 2,119,350; May 31.

Pierce, John B., Foundation. (See Davison, Robert L., assignor.)

Pierce, Robert E., and F. R. Linda, assignors to Bemis Bro. Bag Co., St. Louis, Mo. Registering apparatus. 2,119,024; May 31.

Piersol, Robert J., Urbana, Ill. Briquetting press. 2,119,243; May 31.

Pioneer Tea Company. (See Cooper, Roger G., assignor.)

Pitman, Henry L., Westfield, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,118,860; May 31.

Pitman, Henry L., Westfield, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,118,861; May 31.

Plint, Joseph. (See Gurton, W. S., Nyberg, and Plint.)

Polk, Robert H., Hapeville, Ga. Switch. 2,119,286; May 31.

Polymerization Process Corporation. (See Robinson, G. W., and Roberts, assignors.)

Pomeroy, Timothy C., Long Beach, Calif. Hydraulic jack. 2,119,440; May 31.

Poor & Company. (See Armstrong, Victor C., assignor.)

Porter, George M., Brooklyn, N. Y. Gauge feeding means for cutting machines. 2,118,941; May 31.

Posthumus, Klaas, Eindhoven, Netherlands, assignor to Radio Corporation of America. Amplifying device. 2,119,351; May 31.

Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Bag. 2,119,216; May 31.

Potdevin Machine Company. (See Potdevin, Adolph, assignor.)

Pranger, Albert, assignor to The Guiberson Corporation, Dallas, Tex. Stuffing box. 2,119,244; May 31.

Prat-Daniel Corporation. (See Whiton, Louis C., Jr., assignor.)

Pratt, Robert J., Cochrane, Alberta, Canada. Pneumatic tire gauge. 2,119,287; May 31.

Prescott, Arthur T., East Orange, N. J., assignor to R. E. Ogden, Mountainville, N. Y. Door. 2,118,942; May 31.

Price, Emil, and W. A. Pfister, Los Angeles, Calif. Shower head. 2,118,943; May 31.

Price, Forest W., assignor to Pacific Minerals Company, Ltd., Richmond, Calif. Roofing material and making the same. 2,118,898; May 31.

Price, Nathan C., Berkeley, Calif., assignor to Sirius Corporation. Boiler regulation. 2,119,245; May 31.

Price, Nathan H., assignor of one-half to Mrs. A. Schoettlin, Birmingham, Ala. Rifle. 2,119,441; May 31.

Price, Ralph H., Galveston, Tex., and V. Voorhees, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Treatment of hydrocarbon oil. 2,119,401; May 31.

Products Protection Corporation. (See Olving, Bror G., assignor.)

Puc, Vojtěch, Prague-Vinohrady, Czechoslovakia, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Slider for separable fasteners. 2,119,352; May 31.

Puffer, Samuel R., Saugus, Mass., assignor to General Electric Company. Aircraft. 2,119,402; May 31.

Pullman-Standard Car Manufacturing Company. (See Shaver, Milton E., assignee.)

Pullman-Standard Car Manufacturing Company. (See Stout, W. B., and Wright, assignors.)

Punnett, Elton B. (See Foster, H. B., and Punnett.)

Purdy, Chester A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Control mechanism. 2,118,944; May 31.

Quaker City Iron Works. (See Jensen, James A., assignor.)

Quigan, Frank J., Bayside, N. Y. Making handbag frames. 2,119,500; May 31.

Radio Corporation of America. (See Bakker, A., and Van Duuren, assignors.)

Radio Corporation of America. (See Flaherty, Mark, assignor.)

Radio Corporation of America. (See Haines, D. G., and Bucklin, assignors.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Newman, William E., assignor.)

Radio Corporation of America. (See Olson, H. F., and Kreuzer, assignors.)

Radio Corporation of America. (See Posthumus, Klaas, assignor.)

Radio Corporation of America. (See Wendt, Karl R., assignor.)

Radio Corporation of America. (See Zimmerman, Arthur G., assignor.)

Ragatz, Edward G., assignor to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for refrigeration. 2,119,258; May 31.

Ralston, Anderson W., and S. T. Bauer, assignors to Armour and Company, Chicago, Ill. Treating fish oils. 2,119,141; May 31.

Ralston, Gavin, Weybridge, England. Two-stroke cycle internal combustion engine. 2,118,809; May 31.

Ranke, Hans. (See Schuftan, P., and Ranke, assignors.)

Ransome Concrete Machinery Company. (See Williams, Joseph R., assignor.)

Rapid Roller Company. (See Rapport, David M., assignor.)

Rapport, David M., assignor to Rapid Roller Company, Chicago, Ill. Roller. 2,119,491; May 31.

Rayment, Lyndon C., and C. B. Howard, Oakland, Calif. Dynamic translating device. 2,118,862; May 31.

Raymond, Edward F., Huntington Park, assignor to J. Grant, Los Angeles, Calif. Jar. 2,118,982; May 31.

Raymond, Gwynne, assignor to Black Sivalls & Byson, Inc., Oklahoma City, Okla. Apparatus for testing gas. 2,119,288; May 31.

Robinson, Harry C., Chattanooga, Tenn. Display rack. 2,119,442; May 31.

Rayolite Ride Range Company. (See Carter, Alva J., assignor.)

Redmond, Albert G., Flint, Mich. Sectional power unit. 2,118,983; May 31.

Reed, Harold V., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,119,025; May 31.

Reed, Harold V., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,119,026; May 31.

Reimer, William E., assignor of one-half to S. E. Hoh, Forest Park, Ill. Jigsaw. 2,119,353; May 31.

Reisinger, Otto, McCandless Township, Allegheny County, Pa. Piston ring construction. 2,119,289; May 31.

Rendell, Leslie P. (See Carter, D., Cuthbert-Smith, Jackson, Rendell, and Thomas.)

Reppe, Walter, Ludwigshafen-on-the-Rhine, W. Starck, Hofheim (Taunus), and A. Voss, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Mixed polymerization products. 2,118,863; May 31.

Reppe, Walter, Ludwigshafen-on-the-Rhine, W. Starck, Hofheim (Taunus), and A. Voss, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerization products from vinyl esters. 2,118,864; May 31.

Reppe, Walter, Ludwigshafen-on-the-Rhine, W. Starck, Hofheim (Taunus), and A. Voss, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Mixed polymerization products. 2,118,945; May 31.

Reppe, Walter, Ludwigshafen-on-the-Rhine, W. Starck, Hofheim (Taunus), and A. Voss, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Mixed polymerization products. 2,118,946; May 31.

Research Corporation. (See Scott, Lloyd N., assignor.)

Richa, John H., Kansas City, Mo. Apparatus for erecting the nap of a fabric. 2,119,057; May 31.

Richards, Charles H., assignor to The Heald Machine Company. Worcester, Mass. Grinding machine. 2,119,290; May 31.

Richardson Company, The. (See Keller, Charles L., assignor.)

Richardson Company, The. (See Rieser, Oliver O., assignor.)

Richardson, Ralph R., assignor to Chicago Carton Company, Chicago, Ill. Packaging. 2,119,058; May 31.

Richardson, Roger W., and J. J. Owen, Baton Rouge, La., assignors to Standard Oil Development Company. Lubricating oils. 2,119,114; May 31.

Riepert, Hermann, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Object carrier for microscopes. 2,119,354; May 31.





Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Device for molding complex long draw articles. 2,119,291; May 31.

Ringler, William A., Wayne, Pa. Combined merchandising container and toy. 2,118,821; May 31.

Ritter, Heinrich. (See Zerweck, W., Steiger, and Ritter.)

Riverside Company. (See Scharf, Lou, assignor.)

Rixson, Oscar C., Company, The. (See Garrison, Forrest C., assignor.)

Roberts Brass Manufacturing Company. (See Ferrall, Thomas L., assignor.)

Roberts Brass Manufacturing Company, The. (See Roberts, E. W., and Ferrall, assignors.)

Roberts, Earl W., and T. L. Ferrall, assignors to The Roberts Brass Manufacturing Company, Detroit, Mich. Safety control and ignition means for multiple gas burners. 2,119,404; May 31.

Roberts, George, Jr. (See Robinson, G. W., and Roberts.)

Roberts, Ovid E., Jr., New Rochelle, N. Y. Producing stable hydrocarbon lubricants. 2,119,403; May 31.

Robertson, Robert R., assignor to The Translode Joint Company, Chicago, Ill. Center and transverse contraction joint. 2,119,355; May 31.

Robinson, George W., Houston, Tex., and G. Roberts, Jr., Montclair, assignors to The Polymerisation Process Corporation, Jersey City, N. J. Conversion of hydrocarbons. 2,118,822; May 31.

Robison, Samuel C. (See Kronquest, A. L., and Robison.)

Rochi, Pompeo, Jamaica, N. Y. Tool holder. 2,119,217; May 31.

Rodger, Stuart J., assignor to J. Strauss and I. H. Goldman, New York, N. Y. Phonograph turntable drive. 2,119,218; May 31.

Roebling's, John A., Sons Company. (See Sunderland, Charles C., assignor.)

Rogers, Caleb D., Ellicott City, Md. Snow remover. 2,119,443; May 31.

Rogers, John F. (See Douglas, P. H., and Rogers.)

Röhm & Haas Company. (See Spence, Le Roy U., assignor.)

Rohnfeld, Johannes, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Mica condenser. 2,119,115; May 31.

Rola Company, The. (See Engholm, Bernard A., assignor.)

Rollefson, Karl E., Evanston, assignor to The Muter Company, Chicago, Ill. Electrical resistance unit and manufacture. 2,119,292; May 31.

Rondelle, Louis G., San Francisco, Calif. Automobile motor attachment. 2,119,027; May 31.

Roumillat, Forest P., Jacksonville, Fla. Charge-forming device for internal combustion engines. 2,119,179; May 31.

Runcle, Walter O., Lima, Peru. Safety razor. 2,119,405; May 31.

Russell, Harry B., Morecambe and Heysham, England. Rotary tire pump for motor vehicles. 2,119,180; May 31.

Rustless Iron and Steel Corporation. (See Arnold, Samuel, 3rd, assignor.)

Ruth, Joseph P., Denver, Colo. Compression ignition internal combustion engine. 2,119,219; May 31.

Ryerson, Creighton W. (See Schmidt, F. W., and Ryerson.)

Ryerson & Haynes, Inc. (See Schmidt, F. W., and Ryerson, assignors.)

Sack, Hans, Leipzig, Germany. Driving device for multi-row drill barrows of fertilizer spreading machines with rotary distributing members. 2,119,059; May 31.

Safety Car Heating & Lighting Company, The. (See Schepmoes, Lindsley, assignor.)

Safety Vulcanizer Company. (See Chambers, Perry O., assignor.)

St. Thomas, William H., and O. D. Weydener, assignor to E. J. Wilkins Co., Gloversville, N. Y. Container. 2,119,122; May 31.

Salzmann, Leo. (See Blumer, M., and Salzmann.)

Sampieri, Antonino, Pittsburgh, Pa. Safety fire escape for buildings. 2,119,444; May 31.

Sand, Haakon, Zumbrota, Minn. Dish drying pan. 2,118,984; May 31.

Sangamo Electric Company. (See Kurz, Fred, assignor.)

Sauer, George, Berwyn, and C. C. Smith, Chicago, assignors to Union Special Machine Company, Chicago, Ill. Feed mechanism for sewing machines. 2,119,492; May 31.

Saulner, Raymond, Puteaux, France. Aircraft. 2,119,181; May 31.

Sawyer, George W., South Portland, Maine. Construction of coat sleeves with inserted extensible gussets. 2,119,293; May 31.

Schade, Frank S., Holyoke, Mass. Nursing tray. 2,118,900; May 31.

Schaefer, Joseph K., Hollywood, Calif. Battery terminal clamp. 2,119,294; May 31.

Schalkwijk, Jan, The Hague, Netherlands, assignor to Telefunken Gesellschaft, für Drahtlose Telegraphie m. b. H., Berlin, Germany. Oscillation generator. 2,119,357; May 31.

Scharf, Lou, assignor to Riverside Company, New York, N. Y. Machine for press sealing articles in cellulose tubes. 2,119,358; May 31.

Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Lighting apparatus. 2,119,359; May 31.

Schicht, Heinrich, Huckeswagen, assignor to firm: W. Ferd. Klingelnberg söhne, Remscheid-Berghausen, Germany. Machine for generating gears. 2,119,295; May 31.

Schimanek, Emil, Muegyetem, Budapest, Hungary. Carburetor. 2,118,947; May 31.

Schleicher, Frank J., University City, Mo. Box or carton. 2,119,360; May 31.

Schlesinger, Kurt, Berlin, Germany. Cathode ray tube for television purposes. 2,118,865; May 31.

Schlesinger, Kurt, Berlin, Germany. Detector. 2,118,866; May 31.

Schlesinger, Kurt, Berlin, Germany. Television arrangement. 2,118,867; May 31.

Schlumberger, Marcel, assignor to Société de Prospection Electrique, Procédés Schlumberger, Paris, France. Sidewall formation sampler. 2,119,361; May 31.

Schmidt, Frank W., and C. W. Ryerson, assignors to Ryerson & Haynes, Inc., Jackson, Mich. Vehicle jacking structure. 2,119,028; May 31.

Schmidt, Hans, Wuppertal-Vohwinkel, and H. Jung, Wuppertal-Hammerstein, Germany, assignors to Winthrop Chemical Company Inc., New York, N. Y. Manufacture of water-soluble alkaline-earth metal salts and products obtained thereby. 2,118,985; May 31.

Schmidt, William D., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 2,119,296; May 31.

Schnitzspahn, Karl, and W. Koch, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Solid diazo salts. 2,118,986; May 31.

Schoettlin, Mrs. Alexander. (See Price, Nathan H., assignor.)

Scholl, Harry S., Chicago, Ill., assignor to F. H. Hill Company, Inc., Cleveland, Ohio. Casket. 2,118,868; May 31.

Schuftan, Paul, Hollriegelskreuth, near Munich, and H. Ranke, Solln, near Munich, Germany. Method and apparatus for condensing liquids by freezing. 2,119,182; May 31.

Schuller, Aladar, Remi-Gustaaf Tritsmans and S. Hendricx, assignors to Gevaert Photo-Producten, N. V., Anvers, Belgium. Treatment of cellulose esters. 2,119,116; May 31.

Schuller, Aladar, Antwerp, and Remi-Gustaaf Tritsmans, Mortsel, near Antwerp, assignors to Gevaert Photo-Producten, N. V., Antwerp, Belgium. Treating cellulose. 2,119,117; May 31.

Schultze, Paul, assignor to Doran Brothers, Danbury, Conn. Hat ironing machine. 2,119,362; May 31.

Schultze, Paul, assignor to Doran Brothers, Danbury, Conn. Hat flanging iron. 2,119,246; May 31.

Schuyler, Andrew L., La Grange, R. B. Knoth, Chicago, and A. R. MacLagan, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Lock center and forming it. 2,118,948; May 31.

Scott, George W., Providence, R. I., assignor to Tobe Deutschmann Corporation, Canton, Mass. Winding machine. 2,119,445; May 31.

Scott, Lewis L., St. Louis, Mo. Cooling and ventilating. 2,118,949; May 31.

Scott, Lloyd N., assignor to Research Corporation, New York, N. Y. Electrical precipitation. 2,119,297; May 31.

Scott, Norman D., Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reacting hydrocarbons with alkali metals. 2,119,493; May 31.

Scott, Walter C., Plainfield, N. J. Speed control system. 2,119,247; May 31.

Scruggs, Loyd, University City, Mo. Control switch for electrically operated devices. 2,119,220; May 31.

Sealed Power Corporation. (See Ballard, John H., assignor.)

Sedlmayr, Gerhard, Berlin-Tempelhof, Germany. Parachute. 2,119,183; May 31.

Seely, Thomas H., Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for splitting soles. 2,118,824; May 31.

Seely, Thomas H., Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Splitting machine. 2,118,825; May 31.

Segal, Hyman R., New York, N. Y. Razor. 2,119,248; May 31.

Segal, Samuel, Brooklyn, N. Y. Skate. 2,118,823; May 31.

Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making quinone di-imides. 2,118,826; May 31.

Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making quinone di-imides. 2,118,827; May 31.

Senger, Werner I., assignor to Gisholt Machine Company, Madison, Wis. Machine tool holder. 2,119,029; May 31.

Sengstaken, John H., Plandome, assignor to The Superheater Company, New York, N. Y. Supporting means for economizers. 2,119,118; May 31.

Servo-Frein Dewandre Société Anonyme. (See Maes, Frédéric, assignor.)

Seyferth, Carl G., Muskegon, Mich. Landing gear. 2,119,249; May 31.

Shade Check, Inc. (See Wilson, James M., assignor.)

Shand & Jurs Company. (See Denham, John J., assignor.)

Sharma, Jagan N., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Enhancing the varietal coloration of whole fruit. 2,119,060; May 31.
Sharpless Specialty Company, The. (See Hatman, Julius G., assignor.)
Shaver, Milton E., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Car truck brake mechanism. 2,119,505; May 31.
Shenk, Mendel, Brooklyn, N. Y. Windmill. 2,119,142; May 31.
Sherman, John Q., Dayton, Ohio. Manifolding packet. 2,118,828; May 31.
Shoenberg, Isaac, London, G. E. Condliffe, Buckinghamshire, and W. F. Tedham, Abbey Wood, London, assignors to Electric and Musical Industries Limited, Hayes, England. Cathode ray tube. 2,119,119; May 31.
Sholes, Justin G., assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio. Self administration of gaseous anesthetics. 2,119,446; May 31.
Showalter, Jere C., Goose Creek, Tex., assignor to Standard Oil Development Company. Treating lubricating oils. 2,119,120; May 31.
Simmons Company. (See Travis, Don C., assignor.)
Simowski, Alex W., Detroit, Mich., assignor to Michigan Tool Company. Gear finishing tool. 2,119,298; May 31.
Sinclair Refining Company. (See Butz, R. J., and Cantelo, assignors.)
Singer Manufacturing Company, The. (See Clayton, Andrew B., assignor.)
Sinn, Clarence W. (See Volf, Christian A., assignor.)
Sirian Wire and Contact Company. (See Beer, William J., assignor.)
Sirian Wire and Contact Company. (See Padowicz, Henry N., assignor.)
Sirius Corporation. (See Price, Nathan C., assignor.)
Slayter, Games, Newark, Ohio, assignor to Owens-Illinois Glass Company. Making articles of vitreous material. 2,119,259; May 31.
Slee, Arthur L., San Francisco, Calif. Line indicating copy holder. 2,118,869; May 31.
Sloeberg, Benjamin L., St. Louis, Mo. Woman's shoe. 2,119,363; May 31.
Smith, Charles, New York, N. Y. Variable incidence wing for airplanes. 2,118,987; May 31.
Smith, Clarence C. (See Sauer, G., and Smith.)
Smith, Elmer, H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Beer faucet. 2,119,250; May 31.
Smith, Elmer R. (See Turechek, G. F., and Smith.)
Smith, George H., Kenmore, and W. J. Jacobeson, Buffalo, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Pressure regulating and reducing apparatus. 2,119,473; May 31.
Smith, Harry F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,119,494; May 31.
Smith, John P., Jr., Ridgewood, assignor to The Daven Company, Newark, N. J. Output power meter. 2,119,364; May 31.
Smith Welding Equipment Corporation. (See Smith, Elmer H., assignor.)
Smith, William J., Delaware City, Del. Combined acceleration and brake control means. 2,119,299; May 31.
Smyth, Paul H., Jr., Chicago, Ill. Phonograph apparatus. 2,119,251; May 31.
Societe of Chemical Industry in Basle. (See Widmer, Gustave, assignor.)
Société de Prospection Electrique, Procédés Schlumberger. (See Schlumberger, Marcel.)
Société Van Cleef & Arpels. (See Arpels, Salomon (dit Charles), assignor.)
Socony-Vacuum Oil Company. (See Francis, Alfred W., assignor.)
Soll, Julius, Leverkusen-I. G. Werk, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of fluorohydrocarbons. 2,118,901; May 31.
Sommeborn, L., Sons, Inc. (See Blumer, M., and Salzmann, assignors.)
Sorenson, Albert, Chicago, Ill. Heat distributor. 2,118,988; May 31.
Spänel, Abraham N., Rochester, N. Y. Article of manufacture. 2,119,300; May 31.
Spänel, Abraham N., Rochester, N. Y. Form for making rubber articles. 2,119,495; May 31.
Spänel, Abraham N., Rochester, N. Y. Apparatus for making latex articles. 2,119,496; May 31.
Spänel, Abraham N., Rochester, N. Y. Latex article. 2,119,497; May 31.
Spänel, Abraham N., Rochester, N. Y. Rubber article. 2,119,498; May 31.
Spänel, Abraham N., Dover, Del. Form for making latex articles. 2,119,499; May 31.
Spens, Stanley M. (See Burdge, R. H., and Spens.)
Spence, David, Carmel, Calif. Preparation of latex from rubber-producing plants. 2,119,030; May 31.
Spence, Le Roy U., Cheltenham, assignor to Röhm & Haas Company, Philadelphia, Pa. Separation of trimethylamine from mixtures of monomethylamine and dimethylamine. 2,119,474; May 31.
Spicacci, Attilio R., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Grinding machine. 2,118,902; May 31.
Stafast. (See Cohen, Nathaniel, assignor.)
Stageberg, Sterling O., Red Wing, Minn. Fluid check. 2,119,365; May 31.
Stahl, Frank E., Tonawanda, and R. J. Kieffer, Getzville, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Emergency antiskid device. 2,119,447; May 31.
Standard-I. G. Company. (See Pier, M., Kroenig, and Donath, assignors.)
Standard Oil Company. (See Price, R. H., and Voorhees, assignors.)
Standard Oil Company (Indiana). (See Zimmerman, Russell L., assignor.)
Standard Oil Development Company. (See Atkinson, V. L., and Foster, assignors.)
Standard Oil Development Company. (See Carlson, Ejnar W., assignor.)
Standard Oil Development Company. (See Richardson, R. W., and Owen, assignors.)
Standard Oil Development Company. (See Showalter, Jere C., assignor.)
Standard Stoker Company, The. (See Capps, Washington T., assignor.)
Standard Stoker Company, The. (See Hogg, Francis, assignor.)
Standard Stoker Company, The. (See Peyton, W. C., and Anderson, assignors.)
Standard-Trump Bros Machine Company. (See Houseman, Harold E., assignor.)
Stannard, Benjamin F., assignor of forty percent to A. B. Leavelle, Los Angeles, Calif. Closure controlling device. 2,118,950; May 31.
Starck, Werner. (See Reppe, W., Voss, and Starck.)
Stassen, Elmer D., Wanatah, Ind. Motor safety fuse. 2,119,184; May 31.
Staudt, Erich, Deventer, Netherlands. Manufacture of nitrogen trichloride. 2,118,903; May 31.
Staudt, Erich, and G. van der Lee, Deventer, Netherlands. Manufacture of chloro-amines. 2,118,904; May 31.
Stauffer Chemical Company. (See Anthony, Myron V., assignor.)
Stearns & Foster Company, The. (See Dwight, Russell S., assignor.)
Stecher, Henry D., assignor to The Weatherhead Company, Cleveland, Ohio. Fitting. 2,119,448; May 31.
Steelsmiths, Inc. (See Morris, Walter A., assignor.)
Steiger, Norbert. (See Zerweck, W., Steiger, and Ritter.)
Stein, Irving M., and J. C. Peters, Jr., assignors to Leeds & Northrup Company, Philadelphia, Pa. Control method and apparatus. 2,119,061; May 31.
Steinlein, Gustav, Mainberg near Schweinfurt, Germany. Two-stroke combustion engine. 2,119,121; May 31.
Sterling Corporation, The. (See Bowser, Percy L., assignor.)
Sterling Corporation, The. (See Flammang, J., Bowser, and Ernst, assignors.)
Stern, Milton C., assignor to The Egry Register Company, Dayton, Ohio. Carbon holder. 2,119,301; May 31.
Stewart, Christopher D., assignor to E. S. and C. D. Stewart, Ottawa, Ill. Ground testing instrument. 2,118,905; May 31.
Stewart, Edward S. (See Stewart, Christopher D., assignor.)
Stienen, Ernest A., New York, N. Y. Dyeing apparatus. 2,118,951; May 31.
Stigler, David, et al. (See Stout, John N., assignor.)
Stockmeyer, Friedrich W. (See Meyer, A., Hurst, and Stockmeyer, assignors.)
Stokes, Rupert O., and J. C. Allan, London, England. Apparatus for separation of minerals. 2,119,185; May 31.
Storch, Henry H., Pittsburgh, Pa., assignor to Government of the United States, as represented by the Secretary of the Interior. Preparation of cobalt-copper catalysts. 2,118,829; May 31.
Stout, Edward E. (See Weydell, Jarl M., assignor.)
Stout, John N., Staunton, assignor of one-third to D. Stigler and one-third to B. M. Laymon, Clay County, Ind. Mechanism for actuating grain dropping devices. 2,119,067; May 31.
Stout, William B., and E. H. Wright, Detroit, Mich., assignors to Pullman-Standard Car Manufacturing Company. Truck bolster for railway cars. 2,119,062; May 31.
Strack, Alfred F., Suresnes, France. Producing flat blanks for aluminum cooking vessels. 2,119,088; May 31.
Strand, Steen. (See Thorp, J. R., and Strand.)
Strange, Edward H. (See Kane, Thomas, assignor.)
Stratton, Jerry L., Schenectady, N. Y., assignor to General Electric Company. Electric circuit control means. 2,119,406; May 31.
Strauss, Jacob, et al. (See Rodger, Stuart J., assignor.)
Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Huller rib. 2,119,186; May 31.
Strieby, Maurice E., Maplewood, N. J., assignor to Bell Telephone laboratories, Incorporated, New York, N. Y. Loaded transmission line. 2,118,952; May 31.



Stump, Thomas J., Ashland City, Tenn. Brier and weed hook. 2,119,449; May 31.
Sulzer Freres Societe Anonyme. (See Egloff, Hans C., assignor.)
Sun Rubber Company, The. (See Baughman, H. S., and Lower, assignors.)
Sunderland, Charles C., New Brunswick, assignor to John A. Roebling's Sons Company, Trenton, N. J. Method of and apparatus for constructing suspension cables. 2,119,366; May 31.
Superheater Company, The. (See Magis, Auguste A. G., assignor.)
Superheater Company, The. (See Sengstaken, John H., assignor.)
Svenska Aktiebolaget Gas accumulator. (See Dalén, Gustaf, assignor.)
Swift and Company. (See Hansen, Henry, assignor.)
Tamm, Bror, Quincy, assignor to George Lawley & Son Corporation, Neponset, Mass. Roller reefing gear. 2,119,475; May 31.
Tanaka, Shinjiro, Hongo-Ku, Tokyo, assignor of one-half to J. Suzuki, Tokyo, Japan. Manufacturing a nourishment consisting mainly of glycoprotein. 2,119,302; May 31.
Taylor, Burt E. (See Page, W., and Taylor.)
Tebo, David A., Lawrence, Mass., assignor to U. S. Bobbin & Shuttle Company, Manchester, N. H. Ear clip catch for shuttles. 2,118,870; May 31.
Tedham, William F. (See Shoenberg, I., Condliffe, and Tedham.)
Teeple, Lawrence R., Portland, Oreg. Thermo periodic control for coal stokers. 2,119,187; May 31.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bibler, Justus, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kreienfeld, Friedrich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rohnfeld, Johannes, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schalkwijk, Jan, assignor.)
Teleradio Engineering Corporation. (See Ketcham, Lyman G., assignor.)
Tesseyman, John E., and L. G. Miller, Bethlehem, Pa., assignors to Bethlehem Steel Company. Welded car end frame. 2,119,367; May 31.
Thaheld, Ferl A., assignor to The Guiberson Corporation, Dallas, Tex. Well swab. 2,119,252; May 31.
Thielker, Henry J., assignor to Western Electric Company, Incorporated, New York, N. Y. Container. 2,118,953; May 31.
Thomas, Harry A. (See Carter, D., Cuthbert-Smith, Jackson, Rendell, and Thomas.)
Thomas, Howard J., assignor to Knox Glass Bottle Company, Jackson, Miss. Thread cutting machine for finish rings. 2,118,989; May 31.
Thomas, Raymond E., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of phenol-ketone condensation products. 2,118,954; May 31.
Thompson, Ernest H., Winnetka, assignor to International Register Company, Chicago, Ill. Check writer. 2,118,871; May 31.
Thorp, Joel R., and S. Strand, assignors to The Fulton Company, West Allis, Wis. Vehicle frost shield. 2,119,253; May 31.
Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)
Tobe Deutschmann Corporation, The. (See Scott, George W., assignor.)
Todd, William, Leominster, Mass. Coupling device. 2,118,990; May 31.
Toomey, John F. (See Hall, O. C., and Toomey.)
Torrington Manufacturing Company, The. (See Bergevin, C. R., and Nigro, assignors.)
Translode Joint Company, The. (See Robertson, Robert R., assignor.)
Traughber, Gard F. (See Holland, S. T., Traughber, and McVey.)
Trautner, Wagn, Springdale, Ohio, assignor, by mesne assignments, to E. H. Kneffer. Holding switch. 2,119,450; May 31.
Travis, Don C., Kenosha, Wis., assignor to Simmons Company, New York, N. Y., Bedspring. 2,119,368; May 31.
Tringale, Tom, Los Angeles, Calif. Door stop. 2,119,143; May 31.
Tritsmans, Remi-Gustaaf. (See Schuller, A., and Tritsmans.)
Tritsmans, Remi-Gustaaf. (See Schuller, Aladar, Tritsmans, and Hendrickx.)
Troxel, Harley A., Flint, Mich. Advertising demonstrator. 2,118,906; May 31.
Turechek, George F., and E. R. Smith, assignors, by mesne assignments, to Lane-Wells Company, Los Angeles, Calif. Electrohydraulic fishing tool. 2,118,991; May 31.
Turner, Charles S., Detroit, Mich. Superheating apparatus. 2,119,451; May 31.
Twin Coach Company. (See Fageol, William B., assignor.)
Twining, Charles, Garden City, N. Y. Airplane. 2,119,369; May 31.
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)
Union Carbide and Carbon Corporation. (See Mesinger, William F., assignor.)
Union Carbide and Carbon Corporation. (See Smith, G. H., and Jacobeson, assignors.)
Union Machinery Company. (See Marasso, Fred, assignor.)
Union Oil Company of California. (See Ragatz, Edward G., assignor.)
Union Special Machine Company. (See Sauer, G., and Smith, assignors.)
Union Switch & Signal Company, The. (See Brooks, Charles A., assignor.)
Union Switch & Signal Company, The. (See Vantassel, Harry C., assignor.)
United Research Corporation. (See McClay, Roy C., assignor.)
U S Bobbin & Shuttle Company. (See Tebo, David A., assignor.)
United Shoe Machinery Corporation. (See Harrington, Joseph, Jr., assignor.)
United Shoe Machinery Corporation. (See Lyness, Horatio S., assignor.)
United Shoe Machinery Corporation. (See Seely, Thomas H., assignor.)
Universal Oil Products Company. (See Egloff, Gustav, assignor.)
Universal Oil Products Company. (See McCaffrey, John W., assignor.)
Unterbusch, Franz, and E. Bodemann, assignors to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Multicore high frequency conductor. 2,118,907; May 31.
Upton, Charles B., Piqua, Ohio. Press cage. 2,118,992; May 31.
Valle, Humbert D., Philadelphia, Pa. Dough cutting device. 2,119,260; May 31.
Van der Lande, Bernardus L. M., and E. van Thiel, Compiegne, France, assignors to Naamloose Vennootschap Industrieele Maatschappij Voorheen Noury & Van Der Lande, Deventer, Netherlands. Aerating liquids in the production of yeast. 2,119,188; May 31.
Van der Lee, Gerrit. (See Staudt, Erich.)
Van Duuren, Hendrik C. A. (See Bakker, A., and van Duuren.)
Van Ladden Corporation, The. (See Van Leunen, Edgar, assignor.)
Van Leunen, Edgar, Terminal Island, Los Angeles, Calif., assignor to The Van Ladden Corporation. Light control means for headlights and the like. 2,119,370; May 31.
Vantassel, Harry C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control apparatus. 2,119,303; May 31.
Van Thiel, Emile. (See van der Lande, B. L. M., and van Thiel, assignors.)
Van Zullen, Henry. (See Nahm, E. A., and Van Zullen.)
Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Boiler system. 2,118,830; May 31.
Vermillion, Charles I., et al. (See Vermillion, William O., assignor.)
Vermillion, James E., et al. (See Vermillion, William O., assignor.)
Vermillion, William O., assignor of twenty per cent to J. E. Vermillion, ten per cent to W. L. Wilson, seventeen and one-half per cent to W. L. Conner, seven and one-half per cent to C. B. Cochran, and two and one-half per cent to H. C. Coppedge, Hobbs, N. Mex., and five per cent to C. I. Vermillion, Lovelady, Tex. Mud mixer and equalizer. 2,118,908; May 31.
Vick, Carl E., Decorah, Iowa. Power translating mechanism. 2,118,955; May 31.
Viers, Eugene D., and B. C. Case, assignors to Eaton Detroit Metal Company, Cleveland, Ohio. Electroplating. 2,119,304; May 31.
Volf, Christian A., assignor to C. W. Sinn, New York, N. Y. Transmitter. 2,118,993; May 31.
Von Arx, Rudolf, Berlin-Wilmersdorf, Germany. Mordant dye image and producing the same. 2,118,877; May 31.
Von Hamm Young Company. (See Bodge, Edward E., assignor.)
Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Machine for applying labels. 2,119,371; May 31.
Voorhees, Vanderveer. (See Price, R. H., and Voorhees.)
Voss, Arthur. (See Reppe, W., Starck, and Voss.)
Wade, Everett S., Mount Olive, Miss. Cigarette display and vending case. 2,118,994; May 31.
Wagner, Alfred C., assignor to B. M. Wagner, Highland Park, Mich. Battery vending machine. 2,119,063; May 31.
Wagner, Arthur M., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Chromium plating. 2,118,956; May 31.
Wagner, Arthur M., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article supporting apparatus. 2,118,957; May 31.
Wagner, Bessie M. (See Wagner, Alfred C., assignor.)
Wagner Sign Service, Inc. (See Garner, F. G., and Auer, assignors.)
Waldes Koh-I-Noor, Inc. (See Puc, Vojtech, assignor.)

Waldmann, Edmund, Klosterneuburg, and A. Chwala, Vienna, Austria, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing sulphonic acids of aliphatic ethers of high molecular weight. 2,118,995; May 31.
Wallace, John F., Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock absorber construction. 2,118,831; May 31.
Watanabe, Yoshito, Kinukake-cho, Suma-ku, Kobe, Japan. Automatic telegraph receiving machine. 2,119,064; May 31.
Watinsky, David, Mount Vernon, N. Y. Bathing suit. 2,118,958; May 31.
Watts, Cecil E., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Antifreeze compositions. 2,119,506; May 31.
Watts, Noble H. (See Holm-Hansen, O., and Watts.)
Wean, Raymond J., and L. D. Pelk, Warren, Ohio, assignors, by mesne assignments, to The American Foundry Equipment Company, Mishawaka, Ind. Treating metal surface. 2,118,832; May 31.
Weatherhead Company, The. (See Crawley, Charles H., assignor.)
Weatherhead Company, The. (See Stecher, Henry D., assignor.)
Webb, J. A., Belting Co. (See Webb, James A., assignor.)
Webb, James A., assignor to J. A. Webb Belting Co., Inc., Buffalo, N. Y. Machine for making multi-ply belting. 2,119,476; May 31.
Weichardt, Rudolf, W. Freistadt, Bremen, and J. Hicke, Altona-Rissen, assignors to Krafft & Weichardt, Bremen, Germany. Apparatus for manipulating aircraft landing sails. 2,118,909; May 31.
Weimer, Raymond S., Wilmington, Ill. Removable teeth for earth working machines. 2,118,872; May 31.
Weiskopf, Edwin C., New York, N. Y. Filing micro-slides. 2,119,407; May 31.
Wellman Engineering Company, The. (See Douglas, P. H., and Rogers, assignors.)
Wendt, Karl R., Audubon, N. J., assignor to Radio Corporation of America. Protective circuit. 2,119,372; May 31.
Wentworth, Philip C., Providence, R. I., and A. C. Link, Winnsboro, S. C. Traveler. 2,118,873; May 31.
Wescott, William B., Dover, Mass., assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Planographic printing plate. 2,119,031; May 31.
Western Electric Company. (See Henderson, Fred E., assignor.)
Western Electric Company. (See Purdy, Chester A., assignor.)
Western Electric Company. (See Schuyler, A. L., Knoth, and MacLagan, assignors.)
Western Electric Company. (See Thielker, Henry J., assignor.)
Western Electric Company. (See Wagner, Arthur M., assignor.)
Weydell, Jarl M., assignor of one-half to E. E. Stout, Indianapolis, Ind. Generator. 2,119,477; May 31.
Weydener, Otto D. (See St. Thomas, W. H., and Weydener.)
White, Carl, Brooklyn, N. Y. Hollow shelf. 2,118,910; May 31.
Whitehead, Frederick W., and W. T. Goodby, Bristol, assignors to The Bristol Aeroplane Company, Limited, Gloucester, England. Manufacture of cylindrical objects. 2,118,950; May 31.
Whiteley, Robert H., Oak Park, Ill. Washing machine. 2,119,254; May 31.
Whitford, Harry S., Fountain Hill, Pa., assignor to Bethlehem Steel Company. Adjustable stop for brake heads. 2,118,960; May 31.
Whiton, Louis C., Jr., Westport, Conn., assignor to Pratt-Daniel Corporation, Port Chester, N. Y. Dust catcher. 2,119,478; May 31.
Whittaker, Roland M. (See Faloon, D. B., and Whittaker.)
Widmer, Gustave, Philadelphia, Pa., assignor to The firm of Society of Chemical Industry in Basle, Basel, Switzerland. Pigment and making the same. 2,119,189; May 31.
Wiemeke, Hans, Berncastel, Germany. Reproducing engraved drawings. 2,119,190; May 31.
Wiese, Floyd M. (See Meszar, J., and Wiese.)
Wilkins, E. J., Co. (See St. Thomas, W. H., and Weydener, assignors.)
Wilkinson, Thomas T., and S. D. Boughton, Toronto, Ontario, Canada. Bottle washer. 2,119,191; May 31.
Williams, Joseph R., Piscataway Township, Middlesex County, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Concrete mixing machine. 2,119,144; May 31.
Williamson, Clarence H., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Container. 2,118,874; May 31.
Willis, Clodius H. (See Bedford, B. D., Willis, and Elder.)
Wilson, Benjamin J. (See Doyle, E. D., and Wilson.)
Wilson, James M., assignor, by mesne assignments, to Shade Check, Inc., Newark, N. J. Shade roller check. 2,119,408; May 31.
Wilson, W. L., et al. (See Vermillion, William O., assignor.)
Winckler, Gunnar A. F., Worcester, assignor to Winckler Engineering Laboratories Incorporated, Boston, Mass. Emergency lamp. 2,118,996; May 31.
Winckler Engineering Laboratories Incorporated. (See Winckler, Gunnar A. F., assignor.)
Windheim, Leonard, Brookline, Mass. Ski holder. 2,118,875; May 31.
Wingfoot Corporation. (See Gracia, Albert J., assignor.)
Winthrop Chemical Company Inc. (See Schmidt, H., and Jung, assignors.)
Wireuold Company, The. (See D'Esopo, Francis P., assignor.)
Wobbe, William M., Springfield, Ohio. Metal edging machine. 2,119,032; May 31.
Woodhead, Daniel, Barrington, Ill. Electric connecter. 2,119,452; May 31.
Wooldridge, Mack, assignor, by mesne assignments, to Emsco Derrick & Equipment Company, Los Angeles, Calif. Backfiller and bulldozer. 2,119,373; May 31.
Wright Aeronautical Corporation. (See Campbell, Kenneth, assignor.)
Wright, Evan H. (See Stout, W. B., and Wright.)
Wrigley, Wm., Jr., & Company. (See Lindsey, William, assignor.)
Wulff, Peter, Pullach, and W. Kordatski, Solln, near Munich, Germany. Method of and apparatus for measuring electric values. 2,119,374; May 31.
Wurm, Wilhelm, Stuttgart, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Photographic film camera. 2,119,375; May 31.
Yorke, James R. (See Hale, F. C., and Yorke.)
Youngstown Steel Door Company, The. (See Williamson, Clarence H., assignor.)
Zadig, Ernest A., New York, N. Y. Device for testing automobile brakes. 2,119,145; May 31.
Zaeckel, Johann H., Lubeck, Germany. Motor control system. 2,119,065; May 31.
Zahn & Co., G. m. b. H. (See Barkholt, Hans, assignor.)
Zaparka, Edward F., assignor to Zap Development Corporation, Baltimore, Md. Simplified flap operating means. 2,119,305; May 31.
Zap Development Corporation. (See Zaparka, Edward F., assignor.)
Zaparka, Edward F., assignor to Zap Development Corporation, Baltimore, Md. Flap construction. 2,119,089; May 31.
Zeiss Ikon Aktiengesellschaft. (See Küppenbender, Heinz, assignor.)
Zerweck, Werner, Frankfort-on-the-Main-Fechenheim, N. Steiger, Frankfort-on-the-Main, and H. Ritter, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation products of the diphenylamine series. 2,119,123; May 31.
Zimmerman, Arthur G., Westmont, N. J., assignor to Radio Corporation of America. Telephone. 2,119,124; May 31.
Zimmerman, Russell L., Galveston, Tex., assignor to Standard Oil Company (Indiana), of Chicago, Ill. Treatment of hydrocarbon oil. 2,119,400; May 31.
Zook, John S., Madison, Wis., assignor to Burgess Battery Company, Chicago, Ill. Battery hand lamp. 2,118,997; May 31.


# LIST OF REISSUE INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 31ST DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bearing seal for mulling machines. H. S. Simpson. Re. 20,747; May 31.

Brake. J. F. Higbee. Re. 20,744; May 31.

Leather and similarly tautly stretched units, Drying. A. O. Hurxthal. Re. 20,745; May 31.

Nozzle, Lubricating. F. H. Ehnts. Re. 20,743; May 31.

Paint solutions from rubber, Producing. E. O. Coats. Re. 20,742; May 31.

Typewriting and card-perforating machine, Combined. A. G. F. Kurowski and J. A. B. Smith. Re. 20,746; May 31.

# LIST OF DESIGN INVENTIONS

Accordion. A. Bernardi, A. Logli, and M. Zoppi. 109,884; May 31.
Aircraft. A. P. de Seversky. 109,958; May 31.
Airplane. A. P. de Seversky. 109,959; May 31.
Airplane. J. Pavlecka. 109,951; May 31.
Ashtray. E. W. Fuerst. 109,909–10; May 31.
Automobile transport body. J. R. Weeks and R. H. Helms. 109,926; May 31.
Bib. S. O. Downing. 109,946; May 31.
Bottle. E. M. Coleman. 109,908; May 31.
Bottle. J. M. Guthrie. 109,913–5; May 31.
Bottle. F. McIntosh. 109,920; May 31.
Bottle. W. Nuckols. 109,921; May 31.
Bottle. C. A. Williams. 109,928; May 31.
Box or analogous article, Lunch. J. B. Lightfoot and L. A. Trevisan. 109,938; May 31.
Bracket for a shelf or similar article, Supporting. A. S. Dunn. 109,886; May 31.
Brooch or similar article. L. Maser. 109,875–78; May 31.
Brooch or similar article. L. Maser. 109,898; May 31.
Buffer, Shoe cleaning. H. Daust. 109,944; May 31.
Button for a selector member of a radio tuning device, Finger. R. C. Marhols. 109,897; May 31.
Cabinet, Food. C. F. Hoffman. 109,949; May 31.
Cape. P. Schiessel. 109,941; May 31.
Casing, Dry shaver. G. Wilmet. 109,903–6; May 31.
Casing, Vacuum cleaner. R. E. Kruck. 109,892–3; May 31.
Chair or the like. H. Hollander. 109,891; May 31.
Clamp for use in vulcanising. P. Van Cleef. 109,902; May 31.
Coat. I. Cohen. 109,933; May 31.
Coat. J. Henschel. 109,936; May 31.
Coffeepot or similar article. W. D. Haviland. 109,890; May 31.
Comb, Decorative. S. F. Kayn. 109,950; May 31.
Comfortable. L. Goodstein. 109,964–5.
Connecter, Electrical. L. Guild. 109,912; May 31.
Crusher. R. D. Conway. 109,934; May 31.
Dish, Covered. W. D. Haviland. 109,889; May 31.
Dispenser, Liquid. W. C. McHenry. 109,919; May 31.
Display device for ophthalmic mountings, Advertising. E. M. Splaine. 109,925; May 31.
Dress. A. Engel. 109,935; May 31.
Dress. P. Fracchia. 109,962–3; May 31.
Dress. L. L. Kashine. 109,967; May 31.
Dress. R. La Guisa. 109,937; May 31.
Dress. M. Porpora. 109,969; May 31.
Dress ensemble. S. Epstein. 109,961; May 31.
Dress ensemble. B. Machanoff. 109,939; May 31.
Egg tester. H. Lukowski. 109,917; May 31.
Eyelet, Decorative. J. Jacobs. 109,966; May 31.
Fabric, Embroidered textile. A. Grossman and E. Axelrod. 109,948.
Fabric or a similar article, Embroidered textile. R. Dannecker. 109,943; May 31.
Fabric or similar article, Textile. A. Zavell. 109,953–7; May 31.
Fabric, Textile. T. Emmerich. 109,960; May 31.
Fabric, Textile. V. Gantner. 109,947; May 31.
Fabric, Textile. L. Lasare. 109,968; May 31.
Folder or similar article, Advertising. K. Heitler. 109,916; May 31.
Game board or similar article. I. S. Rosen. 109,929; May 31.
Game table. H. Weissmueller. 109,927; May 31.
Garment, Foundation. J. Abeles. 109,931; May 31.
Grip for bicycles or the like, Handle bar. E. F. Pawsat. 109,922; May 31.
Handcar. S. A. Snell. 109,924; May 31.
Handle bar. S. A. Snell. 109,923; May 31.
Ice cream cone. M. A. Pecora. 109,940; May 31.
Jacket for a shallow well pump. R. G. Gracey. 109,888; May 31.
Lamp, Desk. V. Nemeroff. 109,900; May 31.
Lamp or similar article, Electric. A. L. Buschman. 109,907; May 31.
Lighter. A. de Sakhnoffsky. 109,885; May 31.
Machine shop, Portable. K. W. Couse. 109,942; May 31.
Pencil, corkscrew, and bottle opener, Combination. W. Ruby. 109,879; May 31.
Plate for radio receiver apparatus, Escutcheon. R. C. Marhols. 109,895–6; May 31.
Plate or similar article. C. W. Leigh. 109,894; May 31.
Plate or similar article. G. Sakier. 109,901; May 31.
Portfolio, Music. L. F. Stafford. 109,952; May 31.
Projector, Beam. A. L. McCabe. 109,899; May 31.
Pump unit, Electric operated. V. L. Andrew. 109,932; May 31.
Rack and lighting fixture or similar article, Combination baggage. S. B. McDonald. 109,918; May 31.
Radiographic and fluoroscopic unit. A. Simon. 109,880; May 31.
Shoe. C. H. Caldwell. 109,865–6; May 31.
Shoe. W. Ebling. 109,868; May 31.
Shoe. D. Levin. 109,869–74; May 31.
Shoe. M. Ullman. 109,881; May 31.
Shoe or similar article. M. Winkel. 109,882; May 31.
Shoe upper material. C. H. Caldwell. 109,867; May 31.
Signal device of a paging unit system. I. J. Adus. 109,883; May 31.
Slip, Lady's. S. J. Dichter. 109,945; May 31.
Switch cover plate or similar device. R. G. Fordyce. 109,887; May 31.
Tablecloth or similar article. V. Winston. 109,970; May 31.
Tape dispenser. J. O. Reinecke. 109,930; May 31.
Tire. B. Goodman. 109,911; May 31.

# LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 31ST DAY OF MAY, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acceleration and brake control means, Combined. W. J. Smith. 2,119,299; May 31.
Acids, Manufacture of wax. R. J. Buts and R. C. Cantelo. 2,118,915; May 31.
Acids of aliphatic ethers of high molecular weight, Preparing sulphonic. E. Waldmann and A. Chwala. 2,118,995; May 31.
Adjusting brake, Automatically. J. J. Denham. 2,119,184; May 31.
Advertising demonstrator. H. A. Troxel. 2,118,906; May 31.
Air, Apparatus for conditioning. B. E. Mills. 2,119,338; May 31.
Air conditioning apparatus. J. H. Gibbs. 2,119,207; May 31.
Air cooling, conditioning, and circulating apparatus. W. M. Bell. 2,119,038; May 31.
Air heating apparatus. G. B. Burnside. 2,119,379; May 31.
Air inlet means for incinerators and furnaces. H. W. Ewing. 2,119,322; May 31.
Aircraft. S. R. Puffer. 2,119,402; May 31.
Aircraft. R. Saulnier. 2,119,151; May 31.
Aircraft, Interior trim for. M. Alnutt. 2,118,998; May 31.
Aircraft landing sails, Apparatus for manipulating. R. Weichardt, W. Freistadt, and J. Hicke. 2,118,909; May 31.
Airplane. C. Twining. 2,119,369; May 31.
Alarm and extinguisher, Fire. J. Grison. 2,119,103; May 31.
Alcohols, Manufacture of. A. W. Francis. 2,118,881-2; May 31.
Alkyl halides, Making. T. Kane. 2,119,167; May 31.
Alkyl halides, Manufacture of. T. Kane. 2,119,079; May 31.
Alloy and making the same, Hard metal. H. N. Padowicz. 2,119,487; May 31.
Alloys and making same. H. N. Padowicz. 2,119,488; May 31.
Alloys and making same, Refractory metal. W. J. Beer. 2,119,489; May 31.
Alloys of lead and tin, Refining. J. O. Betterton and Y. E. Lebedeff. 2,119,197; May 31.
Amplifier. C. W. Hansell. 2,118,845; May 31.
Amplifying device. K. Posthumus. 2,119,351; May 31.
Amusement apparatus. B. E. Mills. 2,119,340; May 31.
Anesthetics, Self-administration of gaseous. J. G. Sholes. 2,119,446; May 31.
Anhydride, Purification of phthalic. H. B. Foster and E. B. Punnett. 2,118,918; May 31.
Anhydride reaction product and making it, Dipentenemaleic. I. W. Humphrey. 2,118,925; May 31.
Antenna unit. S. W. Carter. 2,119,380; May 31.
Antifreeze compositions. C. E. Watts. 2,119,506; May 31.
Antifriction bearing. F. G. Hughes. 2,118,885; May 31.
Antifriction bearing. S. F. Marino. 2,118,891; May 31.
Antiskid device, Emergency. F. E. Stahl and R. J. Kieffer. 2,119,447; May 31.
Apparel-garment. M. G. Carey and J. L. Bischof. 2,119,040; May 31.
Aralkyl ethers of cellulose, Preparation of. E. J. Lorand. 2,119,171; May 31.
Article of manufacture. A. N. Spanel. 2,119,300; May 31.
Article supporting apparatus. A. M. Wagner. 2,118,957; May 31.
Articles, Device for molding complex long draw. O. O. Bieser. 2,119,291; May 31.
Articles in cellulose tubes, Machine for press sealing. L. Scharf. 2,119,358; May 31.
Articles of vitreous material, Making. G. Slayter. 2,119,259; May 31.
Ash tray, Automobile. C. B. Coleman. 2,119,267; May 31.
Assembling device. J. Harrington, Jr., 2,118,883; May 31.
Attaching device. C. A. Flood. 2,119,228; May 31.
Attachment and wall plug. W. C. Morford. 2,118,857; May 31.
Automatically and manually operable valve. H. L. McQuiston. 2,119,084; May 31.
Automobile fender cover. N. Cohen. 2,119,072; May 31.
Aviation trainer. E. A. Link, Jr. 2,119,083; May 31.
Backfiller and bulldozer. M. Wooldridge. 2,119,373; May 31.
Bag: *See*—
Shoe bag.
Bag. A. Potdevin. 2,119,216; May 31.
Bag settling and shaping method and apparatus, Filled. M. A. Nicolas. 2,119,174; May 31.
Baggage carrier, Automobile. G. H. Le Boeuf. 2,119,051; May 31.
Balanced double-seated valve. W. F. Mesinger. 2,119,471; May 31.
Bar: *See*—
Topping bar.
Barrel and drum cleanings device. J. R. Alexander. 2,119,192; May 31.
Barrel measuring device. J. A. Bauer. 2,119,037; May 31.
Barrier, Race track. M. J. Corrigan. 2,119,073; May 31.
Battery box and the like, Lined or composite. C. L. Keller. 2,119,278; May 31.
Battery hand lamp. J. S. Zook. 2,118,997; May 31.
Battery terminal clamp. J. K. Schaefer. 2,119,294; May 31.
Battery vending machine. A. C. Wagner. 2,119,063; May 31.
Beacon, Slip-way. E. Kramar. 2,118,929; May 31.
Beading for motor car fenders, Protective. H. L. Fletcher. 2,119,429; May 31.
Bearing: *See*—
Antifriction bearing.
Bearing for aircraft control surfaces, Friction. J. Calvy. 2,119,151; May 31.
Bedspring. D. C. Travis. 2,119,368; May 31.
Beer cooling and dispensing device. R. T. Cornelius. 2,119,383; May 31.
Belt or tube turner. B. B. Chester. 2,119,266; May 31.
Belt tightener base. W. J. Morrill. 2,119,397; May 31.
Blanks for aluminum cooking vessels, Producing flat. A. F. Strack. 2,119,088; May 31.
Blind construction. T. W. Holt and J. F. Levan. 2,119,011; May 31.
Blind head bar bracket, Venetian. J. Nisenson. 2,119,241; May 31.
Blotter, Roller. J. P. Owen. 2,118,939; May 31.
Bobbin holder. W. H. Bahan. 2,119,034; May 31.
Boiler regulation. N. C. Price. 2,119,245; May 31.
Boiler system. V. V. Veenschoten. 2,118,830; May 31.
Bolster for railway cars, Truck. W. B. Stout and E. H. Wright. 2,119,062; May 31.
Booth, Spray. J. E. Ludwig. 2,119,282; May 31.
Bottle, Nonreemptying. L. L. Lewis. 2,119,463; May 31.
Bottle washer. T. T. Wilkinson and S. D. Boughton. 2,119,191; May 31.
Box: *See*—
Comb box. Stuffing box.
Box lidding and stamping machine. H. Paxton. 2,119,053; May 31.
Box or carton. F. J. Schleicher. 2,119,360; May 31.
Bracelet, Wrist watch. M. Lauf. 2,119,436; May 31.
Bracket: *See*—
Blind head bar bracket.
Brake: *See*—
Adjusting brake. Hydraulic brake.
Brake and electric connection, Semitrailer fifthwheel. W. S. Gurton, J. Plint, and H. Nyberg. 2,119,460; May 31.
Brake adjusting gauge. G. E. Friss. 2,119,206; May 31.
Brake equalizer, Hydraulic. F. J. Bachmann. 2,119,001; May 31.
Brake mechanism, Car truck. M. E. Shaver. 2,119,505; May 31.
Brakes, Device for testing automobile. E. A. Zadig. 2,119,145; May 31.
Brier and weed hook. T. J. Stump. 2,119,449; May 31.
Briquetting press. R. J. Piersol. 2,119,243; May 31.
Buckle and slide fastener. A. H. Kerpgood. 2,119,469; May 31.
Buffing compositions. C. V. Glenning. 2,119,159; May 31.
Building unit, Reinforced frangible material. R. L. Davison. 2,119,318; May 31.
Bumper. B. Henken. 2,119,434; May 31.
Burner control, Fluid fuel. J. P. Kriechbaum. 2,119,503; May 31.
Burner control system, Fuel. F. D. Joesting. 2,118,886; May 31.
Button hole stitching attachment. G. Minkowitz. 2,119,111; May 31.
Cabinet: *See*—
Dental cabinet. Storage cabinet.
Cable:
Electric cable.
Cable and manufacturing the same, Electric. E. H. Lewis and C. O. Hull. 2,119,393; May 31.





Cables, Method of and apparatus for constructing suspension. C. C. Sunderland. 2,119,368; May 31.
Calculating machine. G. J. M. Bister. 2,119,003; May 31.
Camera, Photographic. H. Küppenbender. 2,119,235; May 31.
Camera, Photographic film. W. Murm. 2,119,375; May 31.
Camera, Reflex. R. B. Campbell. 2,119,200; May 31.
Can washer. P. R. Armstrong. 2,119,306; May 31.
Cap. M. H. Hirsh. 2,119,330; May 31.
Caps to tubular containers, Fitting. J. Dichter. 2,119,271; May 31.
Car end frame, Welded. J. E. Tessmyman and L. G. Miller. 2,119,267; May 31.
Carbon holder. M. C. Stern. 2,119,301; May 31.
Carbonaceous material, Destructive hydrogenation of distillable. M. Pier, W. Kroenig, and E. Donath. 2,118,940; May 31.
Carburetor. E. Schimanek. 2,118,947; May 31.
Carrier: *See*—
Baggage carrier.
Carrier for microscopes, Object. H. Riepert. 2,119,354; May 31.
Carrying case. R. H. Burdge and S. M. Speas. 2,119,314; May 31.
Case: *See*— Cosmetic case.
Carrying case.
Cigarette display and vending case.
Casket. H. S. Scholl. 2,118,868; May 31.
Casting, Method and apparatus for. J. Flammang, P. L. Bowser, and H. Ernst. 2,119,242; May 31.
Catalysts, Preparation of cobalt-copper. H. H. Storch. 2,118,829; May 31.
Catch for shuttles, Ear clip. D. A. Tebo. 2,118,870; May 31.
Cathode ray tube. I. Shoenberg, G. E. Condliffe, and W. F. Tedham. 2,119,119; May 31.
Cellulose esters, Treatment of. A. Schuller, R.-G. Tritsmans, and S. Hendrickx. 2,119,116; May 31.
Cellulose, Treating. A. Schuller and R.-G. Tritsmans. 2,119,117; May 31.
Center and transverse contraction joint. R. R. Robertson. 2,119,255; May 31.
Charge-forming device for internal combustion engines. F. P. Roumiliat. 2,119,179; May 31.
Charging machine for open hearth furnaces and the like. P. H. Douglas and J. F. Rogers. 2,119,425; May 31.
Check writer. E. H. Thompson. 2,118,871; May 31.
Chloro-amines, Manufacture of. E. Staudt and G. van der Lee. 2,118,904; May 31.
Chromium plating. A. M. Wagner. 2,118,956; May 31.
Cigarette display and vending case. E. S. Wade. 2,118,994; May 31.
Circuit: *See*—
Protective circuit.
Space discharge tube circuit.
Circuit breaker with overload release, Electric. M. Guett. 2,119,459; May 31.
Circuit control means, Electric. J. L. Stratton. 2,119,406; May 31.
Circuit for screen-grid tubes, Neutralizing. W. Buschbeck. 2,119,315; May 31.
Circular loom. F. C. Hale and J. R. Yorke. 2,118,844; May 31.
Clamp: *See*—
Battery terminal clamp. Tail clamp.
Saw clamp.
Clamp for meeting ends of rails, Rail. V. C. Armstrong. 2,119,147; May 31.
Cleaning device for regenerators. H. C. Baughman. 2,119,310; May 31.
Clip and brooch structure, Combination. O. Pennino. 2,119,178; May 31.
Closure controlling device. B. F. Stannard. 2,118,950; May 31.
Closure control system, Electrical. E. D. Lilja. 2,118,930; May 31.
Closure for bottles, Non-refillable. E. T. Orcutt. 2,118,819; May 31.
Clutch mechanism for wheel differentials. W. G. Chryst. 2,119,098; May 31.
Clutch plate. H. V. Reed. 2,119,025-6; May 31.
Coal, Apparatus for coking. W. A. Ogg. 2,119,176; May 31.
Coffee, Treating. H. Heuser. 2,119,329; May 31.
Coil and making coils. F. E. Henderson. 2,118,924; May 31.
Comb box. T. B. Hunt. 2,118,975; May 31.
Composition for insulating wire. E. H. Converse. 2,118,833; May 31.
Compressor apparatus. S. Cook and H. E. Nevins. 2,119,201; May 31.
Concentrator. W. S. Bowen. 2,118,803; May 31.
Concrete mixing machine. J. R. Williams. 2,119,144; May 31.
Condensation products of the diphenyl-amine series. W. Zerweck, N. Steiger, and H. Ritter. 2,119,123; May 31.
Condenser: *See*—
Mica condenser.
Condenser. L. G. Ketcham. 2,119,107; May 31.
Conductor, Multi-core high frequency. F. Breisig and E. Bodemann. 2,118,907; May 31.
Connector: *See*—
Electric connector.
Connection for rotating and rotated members, Self-affixing and self-tightening. W. S. Leffler. 2,119,334; May 31.
Container: *See*—
Key container. Tooth powder container.
Container. W. H. St. Thomas and O. D. Weydemeyer. 2,119,122; May 31.
Container. C. H. Williamson. 2,118,874; May 31.
Container for confections. K. Bastas. 2,119,148; May 31.
Container opening device. M. P. Link. 2,119,135; May 31.
Container. H. J. Thielker. 2,118,953; May 31.
Container and toy, Combined merchandising. W. A. Ringler. 2,118,821; May 31.
Control and ignition means for multiple gas burners, Safety. E. W. Roberts and T. L. Ferrall. 2,119,404; May 31.
Control apparatus for a plurality of electric motors, Reversing. R. G. Lockett. 2,119,337; May 31.
Control apparatus, Multiple. C. A. Brooks. 2,119,265; May 31.
Control device with predetermined successive positions. F. Maes. 2,118,890; May 31.
Control for coal stokers, Thermo periodic. L. R. Teeple. 2,119,187; May 31.
Control means for air actuated motors. E. S. Cornell, Jr. 2,118,809; May 31.
Control means for lighter mechanism. T. L. Ferrall. 2,119,385; May 31.
Control means for fare boxes, Electrical. E. A. Nahm and H. Van Zuilen. 2,118,938; May 31.
Control method and apparatus. I. M. Stein and J. C. Peters, Jr. 2,119,061; May 31.
Control mechanism. C. A. Purdy. 2,118,944; May 31.
Control system. G. A. S. Cooper. 2,119,223; May 31.
Control system. J. J. Grebe. 2,118,842; May 31.
Control system. D. J. Lane. 2,119,105; May 31.
Control system for fare boxes, Electrical. J. W. Baur and E. A. Nahm. 2,118,914; May 31.
Cooling and ventilating. L. L. Scott. 2,118,949; May 31.
Copy holder, Line indicating. A. L. Slee. 2,118,869; May 31.
Copy sheet, Master. E. Z. Lewis and W. J. Menihan. 2,118,888; May 31.
Cord, Tying. M. Katz. 2,118,847; May 31.
Corn silker, Hydraulic. F. D. Chapman. 2,119,006; May 31.
Cosmetic case. R. H. Burdge. 2,119,313; May 31.
Cotton batting. R. S. Dwight. 2,119,129; May 31.
Couch, Studio. A. Krakauer. 2,119,257; May 31.
Coupling: *See*—
Pipe coupling.
Coupling device. W. Todd. 2,118,990; May 31.
Coupling device, Variable. F. Kreienfeld. 2,119,333; May 31.
Counter and unmolded quarter for boots and shoes, and making same, Molded. B. F., L. L., Jr., and A. F. Hartwell. 2,119,274; May 31.
Cover: *See*—
Automobile fender cover. Spring cover.
Covering, Flexible end grain wood floor. A. Elmendorf. 2,118,841; May 31.
Covering for bathtubes, Temporary protective. G. W. Hall. 2,119,210; May 31.
Coverings, Manufacture of floor. R. G. Knowland. 2,119,061; May 31.
Cream for buttermaking, Treating. H. E. Kistner. 2,119,461; May 31.
Crib, Child's. J. W. Harvey. 2,119,387; May 31.
Crust formations on the walls of boilers, Preventing. P. S. D. Massa. 2,118,979; May 31.
Curling iron, Electrically heated. W. C. Kus. 2,119,168; May 31.
Cutter grinder. J. B. Armitage. 2,118,912; May 31.
Cutter grinder. F. W. Curtis. 2,118,967; May 31.
Cyclohexene chlorhydrin. A. A. Levine and O. W. Cass. 2,119,485; May 31.
Cylindrical objects, Manufacture of. F. W. Whitehead and W. T. Goodby. 2,118,959; May 31.
Demountable ring. E. C. Gunnarson. 2,119,327; May 31.
Dental cabinet. C. J. Gall. 2,119,047; May 31.
Detector. K. Schlesinger. 2,118,866; May 31.
Device for cooling tires and vehicle wheels. M. L. Donnellan. 2,119,204; May 31.
Device for picking up broken jack lines. G. W. Cope. 2,119,152; May 31.
Discharge device, High voltage. A. Bouwers. 2,119,069; May 31.
Dispenser: *See*—
Holy water dispenser.
Dispenser for cherries or the like. S. V. Dahlin. 2,119,224; May 31.
Display device. F. G. Garner and G. A. Auer. 2,119,430; May 31.
Display device. H. L. Myers. 2,119,343; May 31.
Display rack. H. C. Robinson. 2,119,442; May 31.
Display unit. A. B. Mull. 2,119,085; May 31.
Disulphides, Preparing dithiazyl. A. J. Gracia. 2,119,131; May 31.

Dividing and rounder, Combined. F. Marasso. 2,119,018; May 31.
Door. A. T. Prescott. 2,118,942; May 31.
Door lock. C. A. Dies. 2,119,456; May 31.
Door lock. P. Niederdrenk. 2,119,175; May 31.
Door stop. T. Tringale. 2,119,143; May 31.
Dough cutting device. H. D. Valle. 2,119,260; May 31.
Dough divider and rounder, Combined. F. Marasso. 2,119,017; May 31.
Drawings, Reproducing engraved. H. Wieneke. 2,119,190; May 31.
Dusting for machinery or like, Belt. H. V. Dyke. 2,119,457; May 31.
Drill. W. L. Pearce. 2,119,349; May 31.
Drilling device directional. C. N. Brummett. 2,119,095; May 31.
Drive, Phonograph turntable. S. J. Rodger. 2,119,218; May 31.
Driving device for multirow drill harrows of fertilizer spreading machines with rotary distributing members. H. Sack. 2,119,059; May 31.
Driving mechanism. W. B. Fageol. 2,118,811-12; May 31.
Dust catcher. L. C. Whiton, Jr. 2,119,478; May 31.
Dye image and producing the same, Mordant. R. von Arx. 2,118,877; May 31.
Dyes, Production of lubricating oil. E. W. Carlson. 2,119,097; May 31.
Dyeing apparatus. D. Carter, A. G. Cuthbert-Smith, H. Jackson, L. P. Rendell, and H. A. Thomas. 2,118,807; May 31.
Dyeing apparatus. E. A. Stienen. 2,118,951; May 31.
Electric cable. E. H. Lewis and C. O. Hull. 2,119,304; May 31.
Electric condenser construction. B. G. Olving. 2,119,113; May 31.
Electric connecter. D. Woodhead. 2,119,452; May 31.
Electric discharge tube. H. M. Muncheryan. 2,118,981; May 31.
Electric heater. A. O. Hay. 2,119,161; May 31.
Electric switch. B. R. Hermann. 2,119,388; May 31.
Electric switch. E. C. Kennedy. 2,119,080; May 31.
Electric valves, Method of and apparatus for measuring. P. Wulff and W. Kordatzki. 2,119,374; May 31.
Electrical measuring instrument, Multirange. H. S. Macadie. 2,118,933; May 31.
Electrical precipitation. L. N. Scott. 2,119,297; May 31.
Electron discharge device. D. G. Haines and K. G. Bucklin. 2,118,922; May 31.
Electroplating. E. D. Viers and B. C. Case. 2,119,304; May 31.
Emergency lamp. G. A. F. Winckler. 2,118,996; May 31.
Engine: *See*—
Internal combustion engine.
Two-stroke combustion engine.
Engine cowling. K. Campbell. 2,119,221; May 31.
Engine power plant for driving vehicles, Combustion. H. Holzwarth. 2,118,814; May 31.
Engine structure. H. Hirth. 2,119,104; May 31.
Engines, Device for internal combustion. M. Dach. 2,119,202; May 31.
Engines, Precombustion chamber for Diesel. F. Nallinger. 2,118,805; May 31.
Explosive, Liquid oxygen. G. B. Holderer. 2,119,050; May 31.
Extension table. A. Ashkenas. 2,119,000; May 31.
Eye set, Rolling. S. Marcus. 2,119,214; May 31.
Fabric and yarn therefor. C. P. Coulter, Jr. 2,119,468; May 31.
Fabrics, Production of improved effects on cellulosic. H. H. Bowen and V. H. Majerus. 2,119,150; May 31.
Face protector. A. H. Parmelee. 2,119,439; May 31.
Fan and light, Combined ceiling. H. F. Morse. 2,119,398; May 31.
Fastener: *See*—
Buckle and slide fastener.
Faucet, Beer. E. H. Smith. 2,119,250; May 31.
Feeding means for cutting machines, Gauge. G. M. Porter. 2,118,941; May 31.
Fiber, Drying synthetic. B. R. Andrews. 2,119,261; May 31.
Filaments, threads, yarns and like materials, Manufacture or treatment of. R. W. Moncrieff and F. B. Hill. 2,118,856; May 31.
Filaments, threads, yarns, fabrics, and the like, Treatment or artificial. H. Dreyfus. 2,118,839; May 31.
Film patch. R. C. Mercer. 2,118,854; May 31.
Films, Apparatus for producing combined sound and motion picture. W. J. Morrissey. 2,118,894; May 31.
Finger ring. T. E. Foster. 2,119,229; May 31.
Fire escape for buildings, Safety. A. Sampieri. 2,119,444; May 31.
Fires, Apparatus for detecting. D. A. Felton. 2,118,837; May 31.
Fires in holds, etc., Apparatus for detecting. H. H. Carter. 2,118,836; May 31.
Fishing tackle. J. G. Lawrence. 2,119,504; May 31.
Fishing tool, Electrohydraulic. G. F. Turechek and E. R. Smith. 2,118,991; May 31.
Fitting. H. D. Stecher. 2,119,448; May 31.
Fitting, Adjustable take off. F. P. D'Esopo. 2,119,319; May 31.
Fittings, Making. C. H. Crawley. 2,119,420; May 31.
Fish lure. J. E. Brown. 2,119,417; May 31.
Fishing line attachment. O. Bulow. 2,119,418; May 31.
Fixture, Automatic contour shaping. B. D. Brown. 2,118,806; May 31.
Flap construction. E. F. Zaparka. 2,119,069; May 31.
Flap operating means, Simplified. E. F. Zaparka. 2,119,305; May 31.
Flashlight. B. F. Muldoon. 2,119,486; May 31.
Floor polishing machine. O. Holm-Hansen and N. H. Watts. 2,119,386; May 31.
Floor sander. N. N. Okun. 2,118,818; May 31.
Flow diversion valve. B. G. Newhall. 2,118,858; May 31.
Fluid check. S. O. Stageberg. 2,119,365; May 31.
Fluorohydrocarbons, Manufacture of. J. Still. 2,118,901; May 31.
Footwear, Skating. E. W. Mays. 2,118,892; May 31.
Forceps. G. O. Hunt. 2,119,078; May 31.
Form and carbon sheet holder, Combined. K. R. Denecklau. 2,119,203; May 31.
Form for making latex articles. A. N. Spanel. 2,119,499; May 31.
Form for making rubber articles. A. N. Spanel. 2,119,495; May 31.
Form. Necktie knot. F. Alva. 2,119,411; May 31.
Frame: *See*—
Car end frame.
Frame and rack for floral display. H. Mendel. 2,119,237; May 31.
Frame for stretching doilies or the like. W. L. Davis. 2,118,880; May 31.
Frequency meter. F. V. Hunt. 2,119,389; May 31.
Fruit coring and filling instrument. D. F. Larkin. 2,118,976; May 31.
Fruit, Enhancing the varietal coloration of whole. J. N. Sharma. 2,119,060; May 31.
Fuel deflector. F. Hogg. 2,119,010; May 31.
Fungicides and insecticides. M. V. Anthony. 2,119,125; May 31.
Furnace construction. P. H. Douglas and J. F. Rogers. 2,119,426; May 31.
Furnace provided with regenerators, Controlling a gas-heated metallurgical. J. Haag. 2,118,921; May 31.
Furnaces, Charging. P. H. Douglas and J. F. Rogers. 2,119,424; May 31.
Fuse, Motor safety. E. D. Stassen. 2,119,184; May 31.
Game, Race course. H. Ehret. 2,119,046; May 31.
Garment. G. A. Fletcher. 2,119,227; May 31.
Gas, Apparatus for testing. G. Raymond. 2,119,283; May 31.
Gas compressor and clearance varying means therefor. H. C. Guild. 2,118,843; May 31.
Gas generating process, Oil. W. B. Harris. 2,119,432; May 31.
Gauge: *See*—
Brake adjusting gauge. Pneumatic tire gauge.
Gear: *See*—
Landing gear. Valve gear.
Roller roofing gear.
Gear-changing device for motor vehicles. K. Maybach. 2,118,978; May 31.
Gear finishing tool. A. W. Simowski. 2,119,298; May 31.
Gear shifting mechanism for motor vehicles. H. W. Hey. 2,119,255; May 31.
Generator: *See*—
Oscillation generator. Ozone generator.
Generator. J. M. Weydell. 2,119,477; May 31.
Glove. G. J. Pearce. 2,119,177; May 31.
Golf tee. T. S. Davids. 2,119,044; May 31.
Governor, Loom. N. A. Batchelder. 2,119,413; May 31.
Grain dropping devices, Mechanism for actuating. J. N. Stout. 2,119,087; May 31.
Gravel washer. A. G. Blanchard. 2,119,414; May 31.
Grille construction. J. Karmasin. 2,119,134; May 31.
Grinding machine. C. H. Richards. 2,119,290; May 31.
Grinding machine. W. D. Schmidt. 2,119,296; May 31.
Grinding machine. A. R. Spicacci. 2,118,902; May 31.
Grinding wheel. W. A. Kerr and R. A. Grubbe. 2,119,279; May 31.
Ground testing instrument. C. D. Stewart. 2,118,905; May 31.
Guard for spray guns. L. W. Cornelison. 2,119,043; May 31.
Guard, Skate. A. C. Day. 2,119,075; May 31.
Guide disk. S. E. Diescher. 2,118,970; May 31.
Gum formation in stored hydrocarbon motor fuels, Inhibiting. W. E. Lyons. 2,119,240; May 31.
Gun, Light. A. J. Carter. 2,119,005; May 31.
Gun loading device, Gas-operated. H. Lauf. 2,119,169; May 31.
Gun, Making a spray. J. T. Peterson. 2,119,056; May 31.
Hair, Curling. V. J. Gentile. 2,118,920; May 31.
Haircutting means. F. R. Marcel. 2,118,850; May 31.
Handbag frames, Making. F. J. Quigan. 2,119,500; May 31.
Hat ironing machine. P. Schultze. 2,119,362; May 31.
Heat distributor. A. Sorenson. 2,118,988; May 31.
Heat transfer between two liquid materials, Process and apparatus for indirect. V. L. Atkinson and C. W. Foster. 2,119,091; May 31.
Heater: *See*—
Electric heater.
Heater. A. Duncan. 2,119,008; May 31.





Heater structure, Automobile body. L. M. Payne. 2,119,140; May 31.
Heating and cooling system for trailer vehicles. A. J. Fuchs. 2,118,884; May 31.
Heel, Rubber. C. Lamb. 2,119,016; May 31.
High voltage discharge tube. A. Bouwers. 2,119,070; May 31.
Hitch means. V. F. Baumgardner. 2,119,263; May 31.
Holder: *See*—
Bobbin holder. Message holder.
Carbon holder. Razor blade holder.
Copy holder. Ski holder.
Machine tool holder. Tool holder.
Holding switch. W. Trautner. 2,119,450; May 31.
Holy water dispenser. A. T. Peffer. 2,119,055; May 31.
Hook: *See*—
Brier and weed hook.
Housing for reflector buttons. S. S. Adams. 2,118,911; May 31.
Huller rib. J. A. Streun. 2,119,186; May 31.
Hydraulic brake. E. A. Corbin, Jr. 2,118,806; May 31.
Hydraulic controlling apparatus. F. V. Brown. 2,119,416; May 31.
Hydraulic jack. T. C. Pomeroy. 2,119,440; May 31.
Hydrocarbon products, Cracking of liquid. M. Pier. and E. Domath. 2,119,350; May 31.
Hydrocarbons, Conversion of. G. W. Robinson and G. Roberts, Jr. 2,118,822; May 31.
Hydrocarbons, Treatment of. G. Egloff. 2,119,101; May 31.
Hydrocarbons, Treatment of. R. H. Price and V. Voorhees. 2,119,401; May 31.
Hydrocarbons with alkali metals, Reacting. N. D. Scott. 2,119,493; May 31.
Hydrogenation of phenol-ketone condensation products. R. E. Thomas. 2,118,954; May 31.
Impedance attenuator, Constant. S. J. A. M. Bagno. 2,119,195; May 31.
Indicator: *See*—
Pressure indicator. Volume indicator.
Injector, Exhaust-gas. D. Collins. 2,119,268; May 31.
Inkstand. F. M. Ashley. 2,119,307-8; May 31.
Instrument for measuring elongation. O. Dietrich. 2,119,076; May 31.
Insulating band for electrical machines and apparatus. P. Nowak. 2,119,400; May 31.
Internal combustion engine. G. E. Andersen. 2,118,804; May 31.
Internal combustion engine. F. Ernst. 2,119,226; May 31.
Internal combustion engine. J. A. Litzler. 2,119,464; May 31.
Internal combustion engine, Compression ignition. J. P. Ruth. 2,119,219; May 31.
Internal combustion engine, Two-stroke cycle. G. Ralston. 2,118,899; May 31.
Iron. R. B. Paysee. 2,118,820; May 31.
Iron, Gas-heated laundry. F. V. Brostrom. 2,119,094; May 31.
Iron, Hat flanging. P. Schultze. 2,119,246; May 31.
Ironer shoe operating mechanism. R. J. McVey. 2,119,283; May 31.
Ironing board cover. F. R. Edwards, Sr. 2,119,427; May 31.
Ironing machine. E. B. Carson. 2,119,222; May 31.
Jack: *See*—
Hydraulic jack.
Jar. E. F. Raymond. 2,118,982; May 31.
Jewel ornamented with stones. S. Arpels. 2,119,067; May 31.
Jigsaw. W. E. Reimer. 2,119,353; May 31.
Key container. H. S. Baughman and M. S. Lower. 2,119,068; May 31.
Knitting machine. H. E. Houseman. 2,118,815; May 31.
Knock-down display device. N. J. Leigh. 2,118,848; May 31.
Lamp: *See*—
Battery hand lamp. Emergency lamp.
Landing gear. C. G. Seyferth. 2,119,249; May 31.
Latex article. A. N. Spanel. 2,119,497; May 31.
Latex article, Apparatus for making. A. N. Spanel. 2,119,496; May 31.
Latex from rubber-producing plants, Preparation of. D. Spence. 2,119,030; May 31.
Lathe chuck. P. L. Bowser. 2,119,004; May 31.
Leather particularly shoes, Liquid for treating. V. P. LoBianco. 2,118,932; May 31.
Light control means for headlights and the like. E. Van Leunen. 2,119,370; May 31.
Lighting apparatus. L. Schepmoes. 2,119,359; May 31.
Lighting fixture. G. Arras. 2,118,833; May 31.
Liquids, Apparatus for measuring foreign matter present in. L. A. Baumann. 2,119,501; May 31.
Liquids, Apparatus for treating. W. Page and B. E. Taylor. 2,119,347; May 31.
Liquids, Apparatus for treating canned. W. Page and B. E. Taylor. 2,119,348; May 31.
Liquids by freezing, Method and apparatus for condensing. P. Schuftan and H. Ranke. 2,119,182; May 31.
Liquids in the production of yeast, Aerating. B. L. Van Der Lande and E. Van Thiel. 2,119,188; May 31.
Liquor, Conserving pickling. H. Barkholt. 2,118,[illegible]; May 31.
Liquors, Distilling. B. C. Boeckeler. 2,118,834; May 31.
Loading device. J. E. Owen and G. W. Bryson. 2,119,139; May 31.
Lock: *See*—
Door lock.
Lock and the like, Jail. F. Adam. 2,119,090; May 31.
Lock center and forming it. A. L. Schuyler, R. B. Knoth, and A. R. MacLagan. 2,118,948; May 31.
Locking means for fluid motors. E. C. S. Clench. 2,119,419; May 31.
Locomotive structure. W. L. Lentz and C. F. Kantola. 2,119,082; May 31.
Loom: *See*—
Circular loom.
Loudspeaker. B. A. Engholm. 2,119,272; May 31.
Lubricants, Producing stable hydrocarbon. O. E. Roberts, Jr. 2,119,403; May 31.
Lug, Mining machine chain. C. L. Bowman. 2,118,878; May 31.
Lug strap. H. M. Bacon. 2,119,479; May 31.
Machine for applying labels. G. W. von Hofe. 2,119,371; May 31.
Machine for generating gears. H. Schicht. 2,119,295; May 31.
Machine for making multi-ply belting. J. A. Webb. 2,119,476; May 31.
Machine for splitting soles. T. H. Seely. 2,118,824; May 31.
Machine tool holder. W. I. Senger. 2,119,029; May 31.
Magazine, Motion-picture film. J. Pearlman and A. Kindelmann. 2,118,896; May 31.
Magneto. J. Bernard. 2,119,092; May 31.
Map, time-table and the like. C. Bonnaire. 2,118,964; May 31.
Material and making the same, Roofing. F. W. Price. 2,118,898; May 31.
Material and treating same, Covering. P. W. Codwise. 2,119,480; May 31.
Material employing pestproofing media and material so protected, Protecting. D. B. Faloon and R. M. Whittaker. 2,119,458; May 31.
Material for producing can seals and the like, Sealing. A. L. Kronquest and S. C. Robinson. 2,119,280; May 31.
Matter in fluids, Detection of suspended. H. C. Grant, Jr. 2,119,326; May 31.
Meal preparing apparatus. J. de Ayala. 2,119,455; May 31.
Mechanical tester apparatus. C. Miller and G. Boyd. 2,119,437; May 31.
Mercury cathode tube. T. Jurriaanse. 2,118,887; May 31.
Mercury from antimony-containing ores, Recovering. R. W. Hyde and R. H. Cromwell. 2,119,231; May 31.
Message holder. C. J. Korndorfer and L. T. Hand. 2,119,483; May 31.
Metal edging machine. W. M. Wobbe. 2,119,032; May 31.
Metal handling. W. E. Mitchell. 2,119,112; May 31.
Metal ingots, Apparatus for casting. A. M. Erichsen. 2,119,321; May 31.
Metal, Remelting scrap. S. Arnold, 3rd. 2,119,262; May 31.
Metal surface, Treating. R. J. Wean and L. D. Peik. 2,118,832; May 31.
Metals alloying apparatus, Precious. R. C. Merrill. 2,119,238; May 31.
Metals, Refining of. F. Hansgirg. 2,118,973; May 31.
Metallic receptacle. C. E. Bertels. 2,119,502; May 31.
Meter: *See*—
Frequency meter. Power meter.
Modulation meter.
Meter construction, Polyphase watthour. F. Kurz. 2,119,015; May 31.
Metal salts and products obtained thereby, Manufacture of water-soluble alkaline-earth. H. Schmidt and H. Jung. 2,118,965; May 31.
Mica condenser. J. Rohnfeld. 2,119,115; May 31.
Microphone and circuit. H. F. Olson and B. Kreuzer. 2,119,345; May 31.
Micro-slides, Filing. E. C. Weiskopf. 2,119,407; May 31.
Mill: *See*—
Rolling mill. Roughage mill.
Minerals, Apparatus for separation of. R. O. Stokes and J. C. Allen. 2,119,185; May 31.
Mirror, Rear view vanity. H. F. Goldsmith. 2,119,208; May 31.
Mirrors, Attachment for automobile. E. T. Barron. 2,118,962; May 31.
Mixer and equalizer, Mud. W. O. Vermillion. 2,118,908; May 31.
Modulation meter. J. Bäbler. 2,119,194; May 31.
Molding compositions and producing the same. F. E. Frey and P. A. Bury. 2,118,813; May 31.
Motor: *See*—
Outboard motor.
Motor attachment, Automobile. L. G. Rondelle. 2,119,027; May 31.
Motor control, Method and system of. E. D. Doyle and B. J. Wilson. 2,119,205; May 31.
Motor control system. J. H. Zaeckel. 2,119,065; May 31.

Mount for automobile wheels, Resilient. V. T. Palmer. 2,119,062; May 31.
Mounting for outboard motors. A. E. Luders, Jr. 2,119,261; May 31.
Nap of a fabric, Apparatus for erecting the. J. H. Richa. 2,119,057; May 31.
Naphthalene derivatives containing a $C_6H_5N$ group and producing them. A. J. Hill and M. C. Fernald. 2,119,077; May 31.
Nitrogen trichloride, Manufacture of. E. Staudt. 2,118,998; May 31.
Nourishment consisting mainly of glycoprotein, Manufacturing a. S. Tanaka. 2,119,302; May 31.
Oil burning apparatus. G. Dalén. 2,119,007; May 31.
Oil, Treatment of hydrocarbon. R. L. Zimmerman. 2,119,409; May 31.
Oils, Heating hydrocarbon. W. E. Lobo. 2,119,470; May 31.
Oils in vapor phase, Cracking. P. C. Keith, Jr. 2,119,391; May 31.
Oils, Lubricating. R. W. Richardson and J. J. Owen. 2,119,114; May 31.
Oils, Refining white. M. Blumer and L. Salzmann. 2,118,805; May 31.
Oils, Treating fish. A. W. Ralston and S. T. Bauer. 2,119,141; May 31.
Oils, Treating lubricating. J. C. Showalter. 2,119,120; May 31.
Oils, Treatment of hydrocarbon. J. W. McCaffrey. 2,119,110; May 31.
Oscillation generator. J. Schalkwijk. 2,119,357; May 31.
Outboard motor. W. L. Kissel. 2,118,928; May 31.
Ozone generator, Electric. J. M. Daily. 2,118,969; May 31.
Package and package display. R. G. Cooper. 2,119,382; May 31.
Package wrap. W. Lindsey. 2,118,849; May 31.
Packaging. R. R. Richardson. 2,119,058; May 31.
Packet, Manifolding. J. Q. Sherman. 2,118,828; May 31.
Packet, Vending. J. W. Martin. 2,119,019; May 31.
Packing. J. Miller. 2,118,855; May 31.
Packing, Metallic. K. Frey. 2,119,158; May 31.
Pad: *See*—
Seat pad.
Paddle, Agitator. P. Dace. 2,119,074; May 31.
Pan, Dish drying. H. Sand. 2,118,984; May 31.
Paper, Coated. S. S. Himmell. 2,119,164; May 31.
Parachute. G. Sedlmayr. 2,119,183; May 31.
Paraffin wax and producing, Stabilised chlorinated. W. T. Bishop. 2,119,149; May 31.
Pencil, Refillable. H. J. Alter. 2,119,410; May 31.
Phenolic substances from coal, Production of high molecular weight. L. Kaschagen. 2,119,213; May 31.
Phonograph apparatus. P. H. Smyth, Jr. 2,119,251; May 31.
Picture and sound reproducer, Combined motion. R. C. McClay. 2,119,136; May 31.
Picture machine, Talking. L. J. Andres. 2,118,999; May 31.
Pictures and material therefor, Producing multicolor photographic. B. Gaspar. 2,119,323; May 31.
Pigment and making the same. G. Widmer. 2,119,189; May 31.
Pigments, Titanium-containing. J. Drucker. 2,118,916; May 31.
Pipe: *See*—
Smoker's pipe.
Pipe coupling. J. A. Jensen. 2,119,331; May 31.
Pipe insulation. E. E. Bodge. 2,119,415; May 31.
Piston. G. L. Moore. 2,119,137; May 31.
Piston ring construction. O. Reisinger. 2,119,289; May 31.
Piston ring process. J. H. Ballard. 2,119,035; May 31.
Plug: *See*—
Attachment or wall plug. Refill fuse plug.
Plug receptacle, Electric attachment. C. W. Abbott. 2,119,060; May 31.
Pneumatic tire gauge. R. J. Pratt. 2,119,287; May 31.
Polymerization products from vinyl esters. W. Reppe, W. Starck, and A. Voss. 2,118,864; May 31.
Polymerization products, Mixed. W. Reppe, W. Starck, and A. Voss. 2,118,863; May 31.
Polymerization products, Mixed. W. Reppe, W. Starck, and A. Voss. 2,118,945–6; May 31.
Potatoes and other starch-containing vegetables to the form of a dry powder, Reducing. A. Faitelowitz. 2,119,155; May 31.
Power meter, Output. J. P. Smith, Jr. 2,119,364; May 31.
Power plant. M. J. Finnegan and H. Baer. 2,119,156; May 31.
Power translating mechanism. C. R. Vick. 2,118,955; May 31.
Power transmission mechanism. D. E. Gommel. 2,119,431; May 31.
Power transmission system, Electric. B. D. Bedford, C. H. Willis, and F. R. Elder. 2,119,377; May 31.
Power transmitting mechanism. B. B. Bachman. 2,118,913; May 31.
Power unit, Sectional. A. G. Redmond. 2,118,983; May 31.
Press: *See*—
Briquetting press. Screw press.
Press cage. C. B. Upton. 2,118,992; May 31.
Presses, Device for interrupting and re-continuing the operation of cylinder printing. A. Büttner. 2,118,965; May 31.
Pressure indicator. M. Kadenacy. 2,119,166; May 31.
Pressure regulating and reducing apparatus. G. H. Smith and W. J. Jacobson. 2,119,473; May 31.
Pressure responsive apparatus. J. W. McDonnell. 2,118,852; May 31.
Printing plate, Planographic. W. B. Wescott. 2,119,031; May 31.
Printing plates, Finishing. W. H. Banzett. 2,118,801; May 31.
Propylene dichloride, Chlorination of. A. A. Levine and O. W. Cass. 2,119,484; May 31.
Protective circuit. K. R. Wendt. 2,119,372; May 31.
Protector: *See*—
Face protector.
Protector. R. M. Mann. 2,119,396; May 31.
Pulley, Expansion. B. H. Locke. 2,119,395; May 31.
Pump for internal combustion engines, Injection. A. Meyer, M. Hurst, and F. W. Stockmeyer. 2,119,472; May 31.
Pump for motor vehicles, Rotary tire. H. B. Russell. 2,119,180; May 31.
Quilting apparatus. C. Milner. 2,119,341; May 31.
Quinone di-imides, Making. W. L. Semon. 2,118,826–7; May 31.
Rack: *See*—
Display rack.
Rake. K. O. Hörnstein. 2,119,165; May 31.
Razor. H. R. Segal. 2,119,248; May 31.
Razor blade holder. P. Dietrich. 2,119,045; May 31.
Razor blades, Device for sharpening safety. G. Barsch. 2,119,264; May 31.
Razor, Safety. W. O. Runcie. 2,119,405; May 31.
Receptacle: *See*—
Metallic receptacle. Vacuum wall receptacle.
Plug receptacle.
Receptacle. E. J. Hutchison. 2,119,435; May 31.
Rectifier, High power dry disk. R. T. Cheeseman and E. A. Harty. 2,119,381; May 31.
Receptacle plate, Protective electrical. L. G. Englar. 2,119,428; May 31.
Recording mechanism. F. V. Mayo. 2,119,339; May 31.
Reduction-gear device. W. E. Newman. 2,118,859; May 31.
Refill fuse plug. J. Cree and F. Corlett. 2,119,269; May 31.
Refrigerating apparatus. D. E. Dasher. 2,119,317; May 31.
Refrigerating apparatus. H. F. Smith. 2,119,494; May 31.
Refrigeration, Method and apparatus for. E. G. Ragats. 2,119,258; May 31.
Refrigerator. E. Dobrowsky. 2,119,320; May 31.
Refrigerator for delicatessens. W. E. Cruse. 2,119,422; May 31.
Register, Autographic. C. L. Johnston. 2,119,232; May 31.
Registering apparatus. R. E. Pierce and F. R. Linda. 2,119,024; May 31.
Remote control apparatus. H. C. Vantassel. 2,119,303; May 31.
Reproduction process. A. Carman and J. Chalot. 2,119,041; May 31.
Residues from the roasting of the iron pyrites, Treating. I. De Vecchis. 2,119,270; May 31.
Resin and producing, Synthetic. I. W. Humphrey. 2,118,926; May 31.
Resin composition. P. M. Clark. 2,119,507; May 31.
Resistance unit and manufacture, Electrical. K. E. Rollefson. 2,119,292; May 31.
Ribbon feed mechanism. B. Beria. 2,118,963; May 31.
Ride. N. H. Price. 2,119,441; May 31.
Ring: *See*—
Demountable ring. Finger ring.
Ring combination. H. C. Boyd. 2,119,039; May 31.
Roll of adhesive strip. O. Herrmann and P. Müller. 2,119,163; May 31.
Roller. D. M. Rapport. 2,119,491; May 31.
Roller reeling gear. B. Tamm. 2,119,475; May 31.
Rolling mill. L. Iversen. 2,119,390; May 31.
Rotation mechanism. J. C. Curtis. 2,118,968; May 31.
Roughage mill. J. Holland-Letz. 2,119,336; May 31.
Rubber article. A. N. Spánel. 2,119,496; May 31.
Salts, Solid diazo. K. Schnitzspahn and W. Koch. 2,118,986; May 31.
Sampler, Sidewall formation. M. Schlumberger. 2,119,361; May 31.
Sash operator. P. J. Muschong. 2,119,399; May 31.
Saw clamp. J. Alexander. 2,118,876; May 31.
Scale, Weighing. L. T. Johnson. 2,119,106; May 31.
Scraper, Rolling pin. H. Hansen. 2,118,923; May 31.
Screen: *See*—
Vibrating screen.
Screen, Forming a fluorescent. J. C. Batchelor. 2,119,309; May 31.
Screw press. H. A. Hartner. 2,119,162; May 31.





Seat construction, Spring web. F. A. Herman. 2,118,974; May 31.
Seat pad. C. H. Pickard. 2,119,023; May 31.
Semaphore, Traffic. L. B. Glaefke. 2,119,049; May 31.
Separator. L. A. Parsons. 2,119,348; May 31.
Sewing machines, Feed mechanism for. G. Sauer and C. C. Smith. 2,119,492; May 31.
Sewing machines, Feeding mechanism for. A. B. Clayton. 2,119,316; May 31.
Shade roller check. J. M. Wilson. 2,119,408; May 31.
Sharpener, Razor blade. G. H. Murrin. 2,118,937; May 31.
Shaving apparatus. F. E. Moskovics and V. R. Abrams. 2,119,021; May 31.
Shaving mechanism. F. Meyer. 2,119,284; May 31.
Shelf, Hollow. C. White. 2,118,910; May 31.
Shield, Vehicle frost. J. R. Thorp and S. Strand. 2,119,253; May 31.
Shock absorber. J. Cosentino. 2,119,453; May 31.
Shock absorber construction. J. F. Wallace. 2,118,831; May 31.
Shoe. D. Levin. 2,119,392; May 31.
Shoe and making same, Child's slipper. L. J. Golden. 2,119,324; May 31.
Shoe bag. F. Pellerin. 2,119,490; May 31.
Shoe sewing machine. S. A. and J. C. Dobyns. 2,119,225; May 31.
Shoe, Woman's. B. L. Sloseberg. 2,119,363; May 31.
Shoes, Ornamenting. H. S. Lyness. 2,118,889; May 31.
Shower head. E. Price and W. A. Pfister. 2,118,943; May 31.
Sign. J. Fodor. 2,119,157; May 31.
Silica, Purification of. R. Hutchinson and J. A. Newbold. 2,119,105; May 31.
Skate. S. Segal. 2,118,823; May 31.
Ski holder. L. Windheim. 2,118,875; May 31.
Slat feed. G. C. Parton. 2,119,054; May 31.
Sleeves with inserted extensible gussets, Construction of coat. G. W. Sawyer. 2,119,293; May 31.
Slider for separable fasteners. V. Puc. 2,119,352; May 31.
Slipper. G. D. Judkins. 2,119,233; May 31.
Slug casting machine. G. P. Kingsbury. 2,118,927; May 31.
Smoker's pipe. J. F., T. J., and C. H. Daly. 2,119,099; May 31.
Smoking tube. E. Bruder. 2,119,198; May 31.
Snow from roadways, Removing. J. S. McCallum. 2,118,851; May 31.
Snow remover. C. O. Rogers. 2,119,443; May 31.
Socket and switch, Electric light. C. A. Adams. 2,119,146; May 31.
Soldering iron. F. F. Kull and P. L. Mosser. 2,119,462; May 31.
Solids from fluids, Apparatus for removing. F. W. Kerns and W. Egbert. 2,119,013; May 31.
Space discharge tube circuit. F. B. Llewellyn. 2,118,931; May 31.
Speed control system. W. C. Scott. 2,119,247; May 31.
Spinning solutions and the production of elastic yarns therefrom. R. and J. Pickles. 2,118,897; May 31.
Splint, Surgical. J. A. Goodhart. 2,119,325; May 31.
Splitting machine. T. H. Seely. 2,118,825; May 31.
Spring coiling machine. C. R. Bergevin and A. C. Nigro. 2,119,002; May 31.
Spring cover. W. R. Chesley. 2,118,879; May 31.
Spring for scraper tail-gates, Pull-back. R. G. Le Tourneau. 2,119,335; May 31.
Sprinkler, Variable speed rotary. W. A. Buckner. 2,119,312; May 31.
Starter, Engine. R. M. Nardone. 2,119,138; May 31.
State values, Regulation of. W. Dallenbach. 2,119,153; May 31.
Steam generating plant. H. C. Egloff. 2,119,100; May 31.
Stoker conveyer. W. T. Capps. 2,119,071; May 31.
Stoker conveyer. W. C. Peyton and H. P. Anderson. 2,119,086; May 31.
Stop for brake heads, Adjustable. H. S. Whitford. 2,118,960; May 31.
Stop for a threading die head, Automatic. H. T. and D. O. Kimlin. 2,119,014; May 31.
Storage cabinet, Cold. W. Kern. 2,119,332; May 31.
Stove. B. B. Kahn. 2,119,012; May 31.
Strainer, Automatic fluid. T. E. Haught. 2,119,433; May 31.
Stuffing box. V. L. Andrew. 2,119,033; May 31.
Stuffing box. A. Pranger. 2,119,244; May 31.
Suit, Bathing. D. Watinsky. 2,118,958; May 31.
Superheating apparatus. C. S. Turner. 2,119,451; May 31.
Support for liquid treating vessels. R. M. Parsons. 2,119,215; May 31.
Support for radiators and the like. J. Kacena. 2,119,256; May 31.
Supporting means for economisers. J. H. Sengstaken. 2,119,118; May 31.
Supporting structure. D. A. Allee. 2,119,376; May 31.
Swab, Well. F. A. Thaheld. 2,119,252; May 31.
Sweater set, Twin. W. Berger. 2,119,378; May 31.
Switch: *See*—
Electric switch. Holding switch.
Switch. W. Murad. 2,119,022; May 31.
Switch. R. H. Polk. 2,119,286; May 31.
Switch construction. P. L. Miller. 2,119,020; May 31.
Switch for electrically operated devices, Control. L. Scruggs. 2,119,220; May 31.
Switch mechanism. A. C. Magrath. 2,118,935; May 31.
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Extension table.
Tail clamp. F. R. Higley. 2,119,275; May 31.
Tank for strips of film, Developer. P. Hagen. 2,119,230; May 31.
Tanning agent, Synthetic. P. Müller. 2,119,173; May 31.
Tap, Toe. S. Capezio. 2,118,835; May 31.
Tappet mechanism. A. B. Buckley. 2,119,096; May 31.
Tar acids, Recovery of. J. G. Hatman. 2,119,132; May 31.
Teeth, Artificial. R. Madzar. 2,118,934; May 31.
Teeth for earth working machine, Removable. R. S. Welmer. 2,118,872; May 31.
Telegraph receiving machine, Automatic. Y. Watanabe. 2,119,064; May 31.
Telegraph system with means for eliminating interference, Type printing. A. Bakker and H. C. A. Van Duuren. 2,119,196; May 31.
Telegraphy system, Dual tone. W. G. H. Finch. 2,118,917; May 31.
Telephone. A. G. Zimmerman. 2,119,124; May 31.
Telephone system. O. C. Hall and J. F. Toomey. 2,119,209; May 31.
Telephone system. W. H. T. Holden. 2,119,211; May 31.
Telephone system. J. Meszar and F. M. Wiese. 2,119,239; May 31.
Television apparatus. H. M. Lewis and M. Cawein. 2,118,977; May 31.
Television arrangement. K. Schlesinger. 2,118,867; May 31.
Television receiver. M. Flaherty. 2,119,102; May 31.
Testing arrangement for electron discharge devices and operating same. D. K. Gannett. 2,118,919; May 31.
Thermometer. J. A. M. Bising. 2,119,126; May 31.
Thermometer. C. Nurnberg. 2,119,344; May 31.
Thread cutting machine for finish rings. H. J. Thomas. 2,118,989; May 31.
Thread forming chaser supporting and adjusting means. J. S. Bartek. 2,119,036; May 31.
Threads and fabrics, Production of textile. H. Dreyfus. 2,118,840; May 31.
Tire recapping equipment. P. O. Chambers. 2,119,467; May 31.
Toilet for vehicles. J. F. Haberlin. 2,119,328; May 31.
Tool: *See*—
Fishing tool. Turpentine worker's tool.
Gear finishing tool.
Tool holder. P. Rocchi. 2,119,217; May 31.
Tooth powder container. C. S. Gringier. 2,119,160; May 31.
Topping bar. R. F. Meier. 2,119,236; May 31.
Toy. K. P. Hogan. 2,119,133; May 31.
Toy, Pneumatic. C. Goergen. 2,118,971; May 31.
Track for half-track tractors, Endless. H. W. Alden. 2,118,961; May 31.
Trailer. C. E. Downing. 2,119,154; May 31.
Translating device, Dynamic. L. C. Rayment and C. B. Howard. 2,118,862; May 31.
Transmission. J. H. Meech. 2,118,853; May 31.
Transmission line, Loaded. M. E. Strieby. 2,118,952; May 31.
Transmitter. C. A. Volf. 2,118,993; May 31.
Traveler. P. C. Wentworth and A. C. Link. 2,118,873; May 31.
Tray, Dental impression. H. H. Montgomery and A. J. Bourgeois. 2,118,980; May 31.
Tray, Heatproof service. W. A. Morris. 2,119,342; May 31.
Tray, Ironer. S. S. Holland. 2,119,277; May 31.
Tray, Nursing. F. S. Schade. 2,118,900; May 31.
Trimethylamine from mixtures of monomethylamine and dimethylamine, Separation of. L. U. Spence. 2,119,474; May 31.
Trimming strip and making same, Laminated. G. H. Huffer. 2,119,482; May 31.
Tripe washer. O. Biedermann. 2,119,311; May 31.
Tube: *See*—
Cathode ray tube. Mercury cathode tube.
Electric discharge tube. Smoking tube.
High voltage discharge tube.
Tube and shape, Vacuum jacketed glass. N. M. Elias. 2,119,009; May 31.
Tube for television purposes, Cathode ray. K. Schlesinger. 2,118,865; May 31.
Tubes, Apparatus for heating test. C. R. Madden. 2,119,172; May 31.
Tubes of thermoplastic material, Jointing of. G. Meerbeck. 2,118,893; May 31.
Tubes or fabric hose, Manufacturing commercial rubber. A. Meyer. 2,119,465; May 31.
Turpentine worker's tool. J. M. Council. 2,119,454; May 31.
Two-stroke combustion engine. G. Steinlein. 2,119,121; May 31.
Typewriter attachment. J. W. Hall. 2,118,972; May 31.
Typewriting and computing machine, Combined. H. L. Pitman. 2,118,860–1; May 31.

Typewriting machine. W. F. Helmond. 2,118,846; May 31.

Utensil, Electric cooking. J. R. Cross. 2,119,421; May 31.

Vacuum wall receptacle. W. C. O'Leary. 2,119,438; May 31.

Valve: *See*—
- Automatically and manually operable valve.
- Balanced double seated valve.
- Flow diversion valve.

Valve. G. Charlton. 2,119,042; May 31.

Valve control system, Electric. C. Ehrensperger. 2,119,130; May 31.

Valve gear. A. A. G. Magis. 2,119,109; May 31.

Valve operating means, Electric. J. F. Frese. 2,119,481; May 31.

Valve spring compressor. I. J. Clark. 2,119,128; May 31.

Varnishes and product obtained, Manufacture of urea and formaldehyde. P. Michaut. 2,119,466; May 31.

Vegetable washing apparatus. A. Lott. 2,119,170; May 31.

Vehicle and vehicle driving mechanism, Motor. W. B. Fugeol. 2,118,810; May 31.

Vehicle body and chassis construction. C. W. Avery. 2,119,193; May 31.

Vehicle jacking structure. F. W. Schmidt and C. W. Ryerson. 2,119,026; May 31.

Ventilating and conditioning system. W. H. Carrier and J. H. Holton. 2,119,127; May 31.

Vibrating screen. W. A. Fyfe. 2,119,273; May 31.

Vibrator. T. H. Morgan. 2,119,285; May 31.

Volume indicator. H. Kahl. 2,119,212; May 31.

Wall structure. A. Malinovsky. 2,118,936; May 31.

Washer: *See*—
- Bottle washer.
- Gravel washer.
- Can washer.
- Tripe washer.

Washers in rubber heels, Apparatus for and method of inserting. J. A. Laursen. 2,118,817; May 31.

Washing machine. R. H. Whiteley. 2,119,254; May 31.

Web associating mechanism for printing machines. F. Lamatsch and A. J. Horton. 2,118,816; May 31.

Wheel: *See*—
- Grinding wheel.

Wheel and making the same, Segmental abrasive. A. L. Ball and R. C. Benner. 2,119,412; May 31.

Windmill. M. Sivák. 2,119,142; May 31.

Windshield. M. A. Denbaugh. 2,119,423; May 31.

Winding machine. G. W. Scott. 2,119,445; May 31.

Window construction. E. M. Buchach. 2,119,199; May 31.

Window operator, Casement. F. C. Garrison. 2,119,048; May 31.

Wing for airplanes, Variable incidence. C. Smith. 2,118,987; May 31.

Wood for the rapid maturation of whiskey and other alcoholic liquors and wines, Treating. E. T. Krebs and E. T. Krebs, Jr. 2,119,234; May 31.

Wood treating process. J. B. Card. 2,118,966; May 31.

Wrapping machine. W. B. Bronander. 2,119,093; May 31.

Wringer. S. S. Holland, G. F. Traughber, and R. J. McVey. 2,119,276; May 31.


# CLASSIFICATION OF PATENTS

## ISSUED MAY 31, 1938

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1938

Patents Nos. 2,115,695 to 2,116,494

# THE OFFICIAL GAZETTE OF THE United States Patent Office

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## Notices of Cancellation

U. S. Patent Office, *Washington, D. C., March 31, 1938.*

*Automobile Accessories Co., its assigns or legal representatives take notice:*

An application for cancellation having been filed in this Office by Sealed Power Corporation, Muskegon, Mich., to effect the cancellation of trade-mark registration of Automobile Accessories Co., 316 West North Avenue, Baltimore, Md., No. 128,513, dated September 18, 1919, and the notice of such proceeding sent by registered mail to the said Automobile Accessories Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Automobile Accessories Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

U. S. Patent Office, *Washington, D. C., Apr. 18, 1938.*

*Moses F. Fybush, his assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of RCA Manufacturing Company, Inc., Camden, N. J., to effect the cancellation of trade-mark registration No. 141,906, issued May 3, 1921, to Moses F. Fybush, 312 H. W. Hellman Building, Los Angeles, Calif., and a notice of such proceeding sent by registered mail to said Moses F. Fybush at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Moses F. Fybush, his assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order, the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

## Adjudicated Patents

(C. C. A. Calif.) Sherwood patent, No. 1,416,988, for bearing, *Held* valid but not infringed. *Oliver-Sherwood Co.* v. *Patterson-Ballagh Corporation*, 95 F.(2d) 70.

(C. C. A. Calif.) Sherwood patent, No. 1,510,804, for shaft lining, *Held* invalid and not infringed. *Id.*

(C. C. A. Ill.) Campbell patent, No. 1,537,050, for car construction, claims 10 and 13 *Held* invalid. *Enterprise Railway Equipment Co.* v. *Pullman Standard Car Mfg. Co.*, 95 F.(2d) 17.

(C. C. A. Ill.) Campbell patent, No. 1,537,051, for railway-car construction, claim 9 *Held* invalid. *Id.*

(C. C. A. Calif.) Bettis and Perry patent, No. 1,573,031, for well-casing protector, *Held* invalid. *Oliver-Sherwood Co.* v. *Patterson-Ballagh Corporation*, 95 F.(2d) 70.

(D. C. La.) Burke patent, No. 1,748,863, for moisture-eliminating ventilator, *Held* invalid. *Moisture Eliminators* v. *Saenger-Ehrlich Enterprises*, 22 F. Supp. 271.

(C. C. A. Ill.) Hyman patent, No. 1,919,722, for process for producing polymerized unsaturated hydrocarbons of relatively light color and product thereof, *Held* not contributorily infringed. *Pure Oil Co.* v. *Hyman*, 95 F.(2d) 22.

(C. C. A. Ill.) Hyman patent, No. 1,919,723, for manufacture of products containing oxygen-absorbing mineral hydrocarbon polymers, *Held* not contributorily infringed. *Id.*

(D. C. Mass.) Ostermeier reissue patent, No. 18,678, for flash lamp, claims 1, 4, 8, 9, and 10 *Held* valid and infringed. *General Electric Co.* v. *Munder Electrical Co.*, 22 F. Supp. 291.

(D. C. Md.) Slama and Wolf reissue patent, No. 19,282, for oxidation of sulphur dioxid and catalyst therefor, claims 1 to 6, and 8 *Held* valid but not infringed. *General Chemical Co.* v. *Standard Wholesale Phosphate & Acid Works*, 22 F. Supp. 332.

## Condition of Applications Under Examination at Close of Business April 16, 1938

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,011. Trade-Mark Division, 1,557. Oldest new case, Sept. 18, 1933; oldest amended, Sept. 11, 1933.)
(The dates given are 1937 except where † indicates 1938)

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| 7088 | 4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes. | †Jan. 12 | †Jan. 13 | 533 |
| 3077 | 5. ROBINSON, O. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons | †Jan. 22 | †Jan. 26 | 536 |
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| 2025 | 8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets | †Jan. 11 | †Jan. 10 | 533 |
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| 6613 | 10. HUNTER, O. P., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies, and Tops; Vehicle Fenders; Spring Devices. | Dec. 4 | Dec. 22 | 807 |
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| 8000 | 13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging, and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling. | Dec. 6 | Dec. 6 | 606 |
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| 4023 | 28. SOLYOM, H. J., Internal-Combustion Engines | †Jan. 22 | †Jan. 14 | 304 |
| 8003 | 29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Racks; Package and Article Carriers; Deposit and Collection Receptacles; Tables. | Nov. 2 | Nov. 6 | 994 |
| 4003 | 30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats. | Nov. 16 | Nov. 16 | 866 |
| 4710 | 31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons | †Jan. 18 | †Jan. 18 | 547 |
| 4009 | 32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating | †Jan. 5 | †Jan. 18 | 563 |
| 8005 | 33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads | †Jan. 21 | †Jan. 5 | 757 |
| 8003 | 34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders. | †Jan. 22 | †Jan. 18 | 391 |
| 3670 | 35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles | †Jan. 26 | †Jan. 26 | 465 |
| 7003 | 36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers | Nov. 20 | Nov. 23 | 527 |
| 8003 | 37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits | Nov. 9 | Nov. 5 | 775 |
| 3004 | 38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions. | Oct. 25 | Oct. 25 | 779 |
| 4070 | 39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances. | Dec. 15 | Dec. 16 | 600 |
| 7020 | 40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles | Nov. 29 | Nov. 29 | 1,283 |
| 7012 | 41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part) | Dec. 13 | Dec. 7 | 312 |
| 8003 | 42. CUTTING, H. O., Electric Signaling | Nov. 26 | Oct. 26 | 651 |
| 4003D | 43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch. | †Jan. 8 | †Jan. 8 | 508 |
| 4027D | 44. HARVEY, L. P., Refrigeration; Dispensing Beverages | Nov. 26 | Nov. 19 | 789 |
| 7023 | 45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles. | Dec. 22 | Dec. 21 | 603 |
| 4013 | 46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines. | Dec. 16 | Dec. 16 | 612 |
| 8020 | 47. LOWE, E. R. (Act.), Clutches; Brakes | Dec. 29 | †Jan. 7 | 665 |
| 8701 | 48. ROEPKE, O. B., Electricity, General Applications; Igniters | Dec. 31 | Dec. 31 | 536 |
| 7720 | 49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification | Oct. 20 | Oct. 16 | 923 |
| 4701 | 50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products | †Jan. 13 | †Jan. 18 | 672 |
| 8020 | 51. BACKUS, C. D., Radiant Energy | †Jan. 11 | †Jan. 11 | 559 |
| 7709 | 52. KNOTTS, M. R., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits. | †Jan. 4 | †Jan. 10 | 845 |
| 8007 | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging. | Dec. 20 | Dec. 20 | 723 |
| 8074 | 54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes | †Feb. 19 | †Feb 18 | 336 |
| 8020 | 55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery | Nov. 6 | Nov. 4 | 1,000 |
| 4720 | 56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making | Nov. 16 | Nov. 16 | 1,115 |
| 8013 | 57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Drives and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys. | Dec. 30 | Dec. 16 | 499 |
| 8020 | 58. DOWELL, E. F., Abrading; Bottles and Jars | †Jan. 25 | †Jan. 17 | 294 |
| 4709 | 59. SHEPARD, F. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation. | †Jan. 20 | †Jan. 20 | 610 |
| 8020 | 60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants | Dec. 11 | Dec. 11 | 575 |
| 8724 | 61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery. | Oct. 30 | Oct. 20 | 682 |
| 8021 | 62. PUGH, E. C., Games; Geometrical Instruments | †Jan. 13 | †Jan. 14 | 550 |
| 4020 | 63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation | †Jan. 19 | †Jan. 17 | 352 |
| 4709 | 64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel. | Dec. 17 | Dec. 17 | 1,220 |
| 8012 | 65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission | Nov. 26 | Dec. 1 | 891 |
| 2000D | Trade-Marks, Labels, and Prints: F. A. RICHMOND | †Mar. 17 (Trade-Marks) | †Mar. 26 | 1,322 |
| | | †Mar. 26 (Labels and Prints) | †Apr. 5 | 285 |
| 2000 | Director, H. H. KALUPY | †Mar. 14 | †Mar. 31 | 660 |



# DECISIONS IN PATENT AND TRADE-MARK CASES

## Supreme Court of the United States

LINCOLN ENGINEERING COMPANY OF ILLINOIS

*v.*

STEWART-WARNER CORPORATION

*No. 606. Decided March 28, 1938*

1. PATENTABILITY—OLD COMBINATION.
Claim 2 of Butler patent, No. 1,593,791, for the combination of a lubricant receiving nipple with a lubricant compressor having a particular coupling member for connecting the compressor to the nipple, *Held* void as reciting more than Butler invented since he did no more than make what may have been a patentable improvement in the coupling member.

2. SAME—SAME.
"The mere aggregation of a number of old parts or elements which, in the aggregation, perform or produce no new or different function or operation than that theretofore performed or produced by them, is not patentable invention. And the improvement of one part of an old combination gives no right to claim that improvement in combination with other old parts which perform no new function in the combination."

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Seventh Circuit.
Reversed.

*Mr. Leonard L. Kelish* (*Mr. Delos G. Haynes* and *Mr. Lloyd R. Koenig* with him on the brief) for petitioner.

*Mr. Lynn A. Williams* for respondent.

Mr. Justice ROBERTS delivered the opinion of the Court.

The District Court[1] and the Circuit Court of Appeals[2] have held the petitioner guilty of contributory infringement of the Butler patent, No. 1,593,791. We granted certiorari because of alleged conflict with our decision in *Rogers* v. *Alemite Corporation* reported with *Bassick Manufacturing Co.* v. *Hollingshead Co.*, 298 U. S. 415. Like that in the Rogers case, the patent in suit has to do with apparatus for lubricating bearings, especially those of automobiles, by the use of a nipple or fitting connected with the bearing, a gun consisting of a compressor or pump for propelling the lubricant under high pressure, a hose or conduit to connect the pump with the fitting, and a means of coupling the conduit to the fitting to make a tight joint during the operation of greasing. Both respondent and petitioner market apparatus for pressure lubrication, including fittings and guns. The charge is that the petitioner sells fittings such as are described in the respondent's patent which are usable, and intended to be used, in connection with the gun and coupler of the patent.

What was said in our earlier decision in respect of the prior art need not be repeated. Butler's alleged invention is in the same field and deals with similar apparatus as did Gullborg's patent, considered in the Rogers case. As there shown, it was old practice in the lubrication of bearings to use in combination a fitting connected with the bearing through which oil or grease was to be propelled into the bearing and a gun, which was joined to the fitting by a coupler. In the greasing operation the coupler is fastened to the head of the fitting and the pump is operated to drive the lubricant through the fitting to the bearing. Not only was this combination old but the elements long used in the art varied in design and dimension. Fittings were of different sizes and shapes and had diverse arrangements for their closure when not in actual use for the injection of lubricant. Guns were of many sizes and types. Various forms of coupler had been used for sealing the connection between the pump hose and the fitting. In the Rogers case it appeared that fittings with lugs or pins to be engaged by the coupler were old but that Gullborg had obtained a patent for a new form of pin fitting the novel feature of which was means of automatic closure and opening for admittance of the grease in connection with a pin which passed through the bore of the fitting. This was not the patent there in suit. Gullborg also obtained a patent in which the novel feature of certain claims was a bayonet-slotted coupler so designed as to cooperate with a pin fitting (including one of the type covered by his other patent), to permit the building up of very high pressure and, by its operation upon disengagement, to obviate exudation of grease about the head of the fitting. In other claims Gullborg claimed a combination of a pin fitting, of the type covered by his fitting patent, a pump, a discharge conduit secured to the pump, and a hollow coupling member of any type (whether old and unpatented or of the improved construction disclosed in the patent) for receiving the closed end of the fitting. In the Rogers case the owner of the patent asserted the sale of any grease gun for use with the patented pin fitting of Gullborg, or the sale of any pin fitting, whether of the Gullborg type or of an old type, susceptible of use with the improved Gullborg coupler, constituted contributory infringement of the patent. We held that as the combination of pump, connecting conduit, coupler, and fitting was old, Gullborg could not, by inventing a new and improved type of coupler or fitting claim either of these in combination with the old forms of the other elements so as to exclude the public from the use and sale of the old forms of fittings or grease guns even though these might be used respectively with Gullborg's improved coupler or his improved pin fittings, because, in the combinations claimed, an old-type pin fitting, or an old-type coupler had no novel function over those of the prior art. We said that if Gullborg had invented anything he had invented an improved pin fitting and an improved coupler and that to allow him to claim either in combination with old elements which performed no new function, would be to permit him to extend the monopoly of his invention to those old and well known devices.

With this background we turn to the patent in suit. Like that of Gullborg, the claim is for a combination. It is as follows:

"2. The combination with a headed nipple for receiving lubricant, of a lubricant compressor having a coupling member for connecting said compressor and nipple comprising a cylinder, a piston movable within the cylinder and having an aperture for the discharge of lubricant

[1] 15 F. Supp. 571; 16 F. Supp. 778.
[2] 91 F.(2d) 757.

thereof, an apertured sealing seat carried by said piston for engagement with the end of the nipple, connecting the piston aperture with a passage through the nipple, radially movable locking elements carried by the cylinder coacting with the nipple and actuated by said piston for compressively clutching the elements upon the nipple whereby the pressure of the lubricant on said piston will move the piston to forcibly compress said elements while the lubricant is passing through said conpecting parts."

In its petition for certiorari, and in argument upon the merits, the petitioner insisted that the respondent's commercial form of coupler was not that of the Butler patent; that the Circuit Court of Appeals for the Eighth Circuit Court had so held,[3] and that the courts below erred in not reaching a similar conclusion. In view of the grounds of our decision we find it unnecessary to pass upon this question.

[1] [2] The petitioner's principal contention is that our decision in the Rogers case is controlling.[4] We so hold. As has been said, the combination of elements disclosed is old in the art. As the Circuit Court of Appeals held, a headed nipple or fitting connected with the bearing, and to be coupled to the conduit from the grease gun, is old and unpatentable. A compressor or pump for propelling lubricant is old and unpatentable as such. The invention, if any, which Butler made was an improvement in what he styles in his specifications the "chuck" and in his claim a "coupling member". It is not denied that multi-jawed chucks had been used in industry and as couplers in lubricating apparatus. Butler may have devised a patentable improvement in such a chuck in the respect that the multiple jaws in his device are closed over the nipple by the pressure of the grease, but we think he did no more than this. As we said of Guilborg in the Rogers case, having hit upon this improvement he did not patent it as such but attempted to claim it in combination with other old elements which performed no new function in his claimed combination. The patent is therefore void as claiming more than the applicant invented. The mere aggregation of a number of old parts or elements which, in the aggregation, perform or produce no new or different function or operation than that theretofore performed or produced by them, is not patentable invention.[5] And the improvement of one part of an old combination gives no right to claim that improvement in combination with other old parts which perform no new function in the combination.[6] Though the respondent so concedes, it urges that, in the combination of the Butler patent, the headed nipple performs a new and different function from that which it has heretofore performed, in other combinations, in that, when the coupler is withdrawn from the nipple, at the end of the greasing operation, the rounded head of the nipple "cocks" the jaws of the coupler for the next operation. The suggestion seems to be an afterthought. No such function of the nipple is hinted at in the specifications of the patent. If this were so vital an element in the functioning of the apparatus it is strange that all mention of it was omitted.[7] Moreover, the argument is unsound since the old art includes instances where the head of a nipple or fitting performs a similar function when the chuck is disengaged from it. The same argument was unavailing in the Rogers case. It was there contended that the pin fitting of the Guilborg patent performed a new function in causing the beneficial operation of the coupler at the moment of disengagement. We commented upon the matter thus:

"The design of the bayonet slots is such that, in uncoupling, the coupling member of the gun will at first be moved slightly forward on the pin fitting thus backing up the perforated washer in the bore of the coupler."

But there, as in the present case, it was the peculiar and improved mechanism of the coupler which brought about the result and not the form of the fitting. We suppose that a headed nipple has always been so headed in order that the jaws of the chuck may slip over the head in the coupling and uncoupling operation. The weakness of the respondent's position is well illustrated by what developed at argument. When interrogated as to how in the claimed combination the function of the nipple could be thought novel in any different sense than the function of the pump, counsel replied that the pump performed a novel function because the pressure it generated forced forward the piston in the coupler and caused the movable jaws to engage the fitting. If this argument is sound, the respondent may convict every one who sells a grease pump of contributory infringement. The answer is the same as in the case of the headed nipple. The function of a pump has always been to force a fluid or a grease through a conduit. The fact that this function of the pump is utilized in Butler's improved form of coupler not only to convey the lubricant to the bearing but to operate the jaws of the chuck does not alter the function of the pump. The invention, if any, lies in the improvement in the coupling device alone.

The courts below and the respondent rely upon *Leeds and Catlin* v. *Victor Talking Machine Co.*, 213 U. S. 301, 325, 144 O. G. 1089. In the Rogers case we held that authority not controlling. Berliner disclosed an entirely novel principle; he utilized the flat disc having a smooth bottomed groove with spiral waves in its sides not only to agitate the needle connected to the diaphragm, but, in combination with a swinging arm, to propel the needle lengthwise the groove. In his combination, the disc not only performed a new function but performed it in combination with another new element,—the swinging arm which carried the needle.

We conclude that Butler's effort, by the use of a combination claim, to extend the monopoly of his invention of an improved form of chuck or coupler to old parts or elements having no new function when operated in connection with the coupler renders the claim void.

Decree reversed.

Mr. Chief Justice HUGHES and Mr. Justice CARDOZO took no part in the consideration or decision of this case.

[3] *Stewart-Warner Corp.* v. *Jiffy Lubricator Co.*, 81 F.(2d) 786.

[4] The District Court for Western Pennsylvania has so held: *Stewart-Warner Corp.* v. *Rogers*, 15 F. Supp. 410; and see *Jacques* v. *Universal Lubricating Systems*, D. C. W. D. Pa., decided Feb. 4, 1938.

[5] *Pickering* v. *McCullough*, 104 U. S. 310; *Burt* v. *Evory*, 133 U. S. 349; *Brinkerhoff* v. *Aloe*, 146 U. S. 515; *Office Specialty Mfg. Co.* v. *Fenton Metallic Mfg. Co.*, 174 U. S. 492.

[6] *Heald* v. *Rice*, 104 U. S. 737, 754; *Underwood* v. *Gerber*, 149 U. S. 224, 227, 229; *Deering* v. *Winona Harvester Works*, 155 U. S. 286, 302; *Perry* v. *Cooperative Foundry Co.*, 12 Fed. 436, 438; *Yale Lock Mfg. Co.* v. *Berkshire Nat. Bank*, 17 Fed. 531, 532, 535; *Troy Laundry Machinery Co.* v. *Bunnell*, 27 Fed. 810, 813; *Gates Iron Works* v. *Fraser*, 42 Fed. 49, affirmed 153 U. S. 332; *Abbott Machine Co.* v. *Bonn*, 51 Fed. 223, 226; *In re McNeill*, 20 App. D. C. 294; *In re Ratican*, 36 App. D. C. 95; *Kursheedt Mfg. Co.* v. *Naday*, 103 Fed. 948; *Langen* v. *Warren Axe & Tool Co.*, 184 Fed. 720, 721; *In re Bliss*, 39 App. D. C. 453; *Robinson* v. *Tubular Woven Fabric Co.*, 248 Fed. 520, 542; *Troy Wagon Works Co.* v. *Ohio Trailer Co.*, 274 Fed. 612, 621; *General Electric Co.* v. *Ohio Brass Co.*, 277 Fed. 917, 924; *Radio Corporation* v. *Lord*, 28 F.(2d) 257, 260; *Schiller* v. *Robertson*, 28 F.(2d) 301, 305; *Fruehauf Trailer Co.* v. *Highway Trailer Co.*, 54 F.(2d) 691, 709; *In re Germantown Trust Co.*, 57 F.(2d) 365, 366; *McGrath Holding Corp.* v. *Ansell*, 58 F.(2d) 205; *Kodel Electric Co.* v. *Warren Clock Co.*, 62 F.(2d) 692, 695; *Alemite Corp.* v. *Lubrair Corp.*, 62 F.(2d) 898, 900; *In re Reed*, 76 F.(2d) 907, 909.

[7] *Union Edge Setter Co.* v. *Keith*, 139 U. S. 530, 539; *Ball and Socket Fastener Co.* v. *Kraetzer*, 150 U. S. 111, 116; *MacColl* v. *Knowles Loom Works*, 95 Fed. 982; *Kursheedt Mfg. Co.* v. *Naday*, 103 Fed. 948, 950.



## U. S. Court of Customs and Patent Appeals

BRYSON *v.* CLARKE

*No. 3,846. Decided November 22, 1937*

[— F.(2d) —]

INTERFERENCE—APPEAL—CONCURRING DECISIONS OF PATENT OFFICE TRIBUNALS—EFFECT OF.

The rule that ordinarily concurring decisions of the Patent Office tribunals will be accepted by the court as conclusive except where it appears that such decisions are manifestly wrong, is applicable to questions of fact and to technical and engineering questions, but has no application to pure questions of law and ordinarily does not apply to construction of claims when technical questions are not involved.

SAME—PRIORITY—RIGHT TO MAKE CLAIM.

Record reviewed and *Held* that the application of C., to whom priority was awarded, does not support the claim in issue and that priority should have been awarded to B.

APPEAL from the Patent Office. Reversed.

*Messrs. Andros and Wood*, *Mr. Charles S. Grindle*, and *Mr. H. Frank Wiegand* for Bryson.

*Mr. Herbert A. Baker* for Clarke.

LENROOT, *J.*:

This is an interference proceeding wherein the Board of Appeals of the United States Patent Office affirmed a decision of the Examiner of Interferences awarding priority of invention to appellee.

Appellee's application was filed on February 20, 1930, and that of appellant was filed on August 26, 1930. Appellant is, therefore, the junior party.

There is but one count in the issue, which reads as follows:

In a centrifugal machine of the sedimentation type for the purification of liquid materials, the combination with a plurality of rotatable, approximately cylindrical, laterally imperforate drums of different purifying capacity coaxially arranged in spaced, nested relation, one within the other, of means at the top and bottom of each drum for maintaining thereto, under the action of centrifugal force, a continuous layer of substantially uniform thickness of material undergoing treatment while permitting a simultaneous discharge of purified material from each of said drums, and a common means for simultaneously supplying untreated fluid materials to each of said drums; said last mentioned means fractionating the feed to said drums in accordance with their respective purifying capacities. [Italics ours.]

The invention was described in general terms by the Examiner of Interferences as follows:

The invention relates to centrifugal separators adapted for purifying pulp stock. The invention contemplates an increase in the capacity of the separator by providing a second drum within the first, sufficient clearance being provided between the walls of the two drums for a stream of pulp to flow along the wall of the outer drum, a second stream of pulp being caused to flow along the inner drum and both streams being discharged into a common receptacle.

We do not deem it necessary at this point further to describe the invention, but shall discuss some particular features of it later in this opinion.

The count originated in a claim of appellant's application. It was suggested to appellee by the Examiner for interference purposes, and was then copied by appellee.

As originally declared the interference involved five counts. Appellant moved to dissolve the interference as to all of the counts, and respecting the count before us the ground of the motion was that it did not read upon the disclosure of appellee's application. The motion was granted as to all of the counts except the count involved in this appeal, and as to that count the motion was denied. The interference then proceeded with the count before us as the single issue.

Both parties filed preliminary statements. Appellant alleged that he conceived the invention on or about July 5, 1929, disclosed it to others on or about July 6, 1929, and actually reduced it to practice on October 3, 1931. Of course, he was entitled to a constructive reduction to practice as of his filing date, August 26, 1930.

Appellee in his preliminary statement alleged that he conceived the invention and disclosed it to others on or about October 1, 1929, and constructively reduced it to practice by filing his application as aforesaid.

Appellant took testimony in support of the allegations of his preliminary statement. Appellee took no testimony, and was therefore restricted to his filing date for both conception and reduction to practice.

The Examiner of Interferences held that, although appellant should be awarded a date of conception and disclosure of the invention as of July, 1929, he was lacking in diligence in reducing the invention to practice from immediately prior to appellee's filing date, February 20, 1930, to appellant's filing date, August 26, 1930, and priority of invention with respect to the count was therefore awarded to appellee.

Appellant appealed to the Board of Appeals, assigning as error the holding of the Examiner of Interferences that appellee had the right to make the claim corresponding to the count, and also the holding that appellant was lacking in diligence in reducing the invention to practice.

The Board of Appeals affirmed the decision of the Examiner of Interferences. It expressly held that the count reads upon appellee's application and that appellant was not diligent in reducing the invention to practice.

From such decision appellant took this appeal, his reasons of appeal embracing both the issue of appellee's right to make the claim corresponding to the count and the issue of the diligence of appellant.

We will first consider the question of whether the elements of the count are disclosed in appellee's application, for if they are not the question of dili-

gence of appellant in reducing the invention to practice is immaterial.

[1] At the outset we would observe that appellee here invokes the rule that, ordinarily, concurring decisions of the Patent Office tribunals will be accepted by this court as conclusive except where it appears that such decisions are manifestly wrong. This rule has been repeatedly applied by us, and it is applicable to questions of fact, and to technical and engineering questions, but it of course has no application to pure questions of law, and ordinarily it does not apply to construction of claims and counts when technical questions pertaining to such claims or counts are not involved. In the latter class of cases, while the reasoning of the Patent Office tribunals upon which their conclusions are based should be carefully considered, their decisions based thereon should in no wise be considered as controlling our decision.

Appellee also invokes the familiar doctrine that in interference cases counts, where the language is not ambiguous, will be given the broadest interpretation which they reasonably will support. This is well established, but it is also the rule that expressly defined limitations in counts may not be disregarded. *Harris* v. *Henry*, 20 C. C. P. A. (Patents) 883, 63 F.(2d) 120, 431 O. G. 6.

We now come to a consideration of the specific element of the count which, appellant contends, is not disclosed in appellee's application. This element is italicized in the count as hereinbefore quoted, and reads as follows:

> * * * a common means for simultaneously supplying untreated fluid materials to each of said drums; said last mentioned means fractionating the feed to said drums in accordance with their respective purifying capacities.

That appellee discloses a common means for simultaneously supplying untreated fluid materials to each of the drums is conceded, and we think he also discloses that said common means fractionates the feed to the drums, but the disputed question is whether said common means fractionates the feed to the drums in accordance with their respective purifying capacities.

The Examiner of Interferences, in denying appellant's motion to dissolve, stated:

> Clarke shows in Fig. 1 a common supply pipe for untreated fluid materials with two branches 18 and 19. According to the count, the feed is not necessarily divided to the drums in exact proportion to their respective purifying capacities, since "in accordance with" is a much broader term than in exact proportion to. Clarke states that the rate of supply for each drum depends on the diameter thereof, so that the feed to the drums is fractionated or divided according to the capacity of the drums determined by the diameters of the drums and the size of the rings 20. If the machine is to be operated so that the mats below rings 20 exert a brushing action on the flowing stock, as described by Clarke, the feed must be adjusted accordingly. The count is obviously not limited to Bryson's specific means for dividing the supply to the drums, nor does feeding the drums in accordance with their purifying capacities necessarily mean that they must be fed in accordance with the square of their respective diameters. The fact that other claims of Bryson specifically mention the "squares of their respective diameters" is a good reason for not so limiting counts which make no reference to "squares of their diameters".

The Board of Appeals in its decision stated:

> One question raised on appeal concerns the reading of the count on the Clarke disclosure. The last phrase of the count calls for "a common means for simultaneously supplying untreated fluid materials to each of said drums; said last mentioned means fractionating the feed to said drums in accordance with their respective purifying capacities." In his application, Clarke discloses two pipes 18 and 19 for supplying untreated fluid materials to each of his drums and in describing these pipes on page 5 states, "When the drums have been brought up to speed, pulp stock is admitted through the supply pipes 18 and 19, the rate of supply for each drum depending on the diameter thereof." *This indicates the pipes are probably of different sizes in order to supply to each drum different amounts of the material.* Bryson, on the other hand, discloses a pipe 171 for delivering the untreated material to the separator and part of the material passes through openings 21 to the interior drum separator while other portions flow over an adjustable weir 18 and into the exterior drum separator. While Bryson is specific as to the calculated amount of material to be supplied to the different drums, the count, as we read it, recites a common means for supplying the fluid material to each of the drums *and some way of regulating different amounts fed to the respective drums.* We agree with the Examiner that Clarke is entitled to make the claim, as Clarke, by suitable calculations, could determine what amounts to supply to each drum *and then provide pipes of proper size to feed such amounts.* Bryson would have to make similar adjustments in accordance with the same calculations. [Italics ours.]

The Board's description of that part of the appellant's device responding to the express limitation here under consideration is not strictly accurate. Appellant discloses that the pipe 171 referred to by the Board delivers the untreated material into a pan. Secured to this pan and preferably integral therewith, and extending downward therefrom, are an inner and an outer pipe. The inner pipe feeds the outer drum, and the outer pipe feeds the inner drum. An adjustable ring is screwed on to the top of the inner pipe so that no material flows into said inner pipe until the material has reached such a height in the pan as to flow over the top of said ring, this ring forming a weir or dam in the pan. In operation the material delivered to the pan from pipe 171 flows or falls through the outer pipe only, until a sufficient amount has accumulated in the pan to flow over the weir and dam, at which time both the inner and outer pipes are supplied with the untreated material. By stationing the weir or dam at a predetermined height, material is supplied from the common source, viz, the pan with its dam, to the two drums in accordance with their respective capacities.

The Board's description of appellee's disclosure of supplying untreated material to the drums, above quoted, is accurate.

It seems to us that the Board committed an error of law in ignoring the positive limitation in the count that the common means must fractionate the feed to the drums "in accordance with their respective purifying capacities." The Board states that the count recites a common means for supplying the fluid material to each of the drums "and some way of regulating different amounts fed to the respective drums." Of course, if the count merely provided for "means regulating different amounts fed to the respective drums," without specifying that such means should also be a part of the common means for supplying the material, we would be in full agreement with the Board that regulation of the size of appellee's pipes leading from the common source of supply to the drums would fully satisfy the count. But nowhere does appellee in his application disclose or intimate that the common means of supply shall provide for "fractionating the feed to said drums in accordance with their respective purifying capacities." That he does provide for fractionating the supply in the common means is clear, but he does not there regulate it as called for by the count.



Granting that regulation may be provided by pipes of different sizes leading from the common source of supply, as stated by the Board, it is plain that such regulation occurs outside of the common source of supply. The feed to the drums will not necessarily be regulated by the size of the orifices in the common source of supply, but by the capacity of the pipes. The orifices in the common source of supply might be much larger than the diameter of the pipes, and they would have no effect whatever upon the rate of feed to the respective drums. We repeat, the diameter of the pipes outside of the common source of supply, or check valves placed in such pipes, would regulate only the feed to the respective drums in appellee's structure, after being fractionated in the common supply.

In appellee's brief we find the following:

> The Examiner's rulings on the claims involving the adjustable feature make it clear that there would be no more than mechanical skill to provide valves in the pipes of Clarke to adjust the feed to each drum in accordance with its purifying capacity. The same result, of course, would be secured by choosing pipes of suitable diameter which would carry the supply from the common supply means in the proportions desired.

Of course it is true that by providing valves in the pipes of appellee the feed to the drums could be regulated in accordance with their respective purifying capacities, but it is clear that in such case such regulating means would not be a part of the common means of supply, unless the pipes of both parties, leading in appellee's device from the large supply pipe, and in appellant's device from the pan into which the material is delivered, may be considered in each case as a part of the "common means for simultaneously supplying untreated fluid materials to each of said drums."

Appellee contends that these pipes in each application leading to the drums do constitute such common means. We cannot agree with this contention. The pipes for supplying material to the respective drums are each separate means designed for only one purpose, and in no sense can they be said to be a part of the common means. Each individual pipe supplies material only to the drum with which it is connected; thus neither of these pipes can be regarded as part of a means described in the count as "simultaneously supplying untreated fluid materials to each of said drums."

A water main leading into a building is a common means of supply for all the faucets therein, but it could not be said that the respective branches to the bath tubs, basins, and kitchen are a part of the common means of supply.

We would also here observe that not only did the Board of Appeals apparently overlook or disregard the limitation here under consideration, but the Examiner of Interferences also seems to have ignored it for his only discussion of it is the observation that the count is not limited to the specific means disclosed by appellant, and that the phrase "in accordance with" is a much broader term than "in exact proportion to." We agree with both of these statements, but neither is material with respect to the specific limitation here under consideration.

Appellee calls attention to the fact that appellant discloses that in lieu of the weir or dam in his pan the same result could be secured by orifices in the feed pan. This is true, and if appellee had disclosed such orifices or other device in the common means of supply for fractionating the feed to the drums in accordance with their respective purifying capacities, then the count would clearly read upon his application, but this he has not done.

Regardless of the diameter of the pipes leading to the drums, the orifices in the common source of supply disclosed by appellant could be of such predetermined size as to fractionate the feed to the drums in accordance with their respective purifying capacities. Therefore, such orifices, in lieu of the dam or weir shown in appellant's drawings, would be strictly in accordance with the terms of the count.

Appellee contends that appellant's means of fractionating and regulating the feed merely involves adjustability of the means for so doing, and that adjustability is not involved in the count. It is true that adjustability is not involved, but appellant discloses the elements of the count regardless of adjustability of the means. In the case of his dam or weir, its necessary height could be predetermined and then permanently fixed, without the dam or weir being adjustable, which would respond to the element of the count under consideration. The same is true if orifices in the common source of supply were provided; they would not necessarily be adjustable to respond to the count.

We are therefore constrained to hold that appellee's application does not disclose a common means of supply "fractionating the feed to said drums in accordance with their respective purifying capacities."

It is our view that, while appellee discloses a common means fractionating the feed to the drums, he does not disclose a common means fractionating said feed in accordance with the respective purifying capacities of the drums.

Appellee makes some contention that the means disclosed by him are the equivalent of the means disclosed by appellant. In his brief he states:

> It will be noted that Bryson and Clarke both use tubes or pipes to carry the material from the common supply means. It could never be successfully urged in an infringement suit, for instance, that Clarke did not infringe the count since he secures the same result by substantially the same means for substantially the same purpose (*Sanitary* v. *Winters*, 280 U. S. 30, 42).

Whether or not in an infringement suit it might be held that appellee's device infringed a patent, if issued to appellant, embracing the elements of the involved count is not a matter for consideration here. *In re Key*, 22 C. C. P. A. (Patents) 1098, 76 F.(2d) 398, 459 O. G. 5.

[2] It is our opinion that the Board of Appeals erred in holding that the count here involved reads upon appellee's disclosure.

In view of this holding it becomes unnecessary to consider the question of the diligence of appellant in reducing his invention to practice. In fact, the question of diligence could not properly be in issue unless appellee's application supported the count here involved.

Since we are of the opinion that the count in issue does not read upon appellee's disclosure, the decision of the Board of Appeals is reversed.

Reversed.

GRAHAM, *P. J.*, sat during the argument of this case, but died before the opinion was prepared.

## Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,283,109, A. Doble, System of automatic regulation for steam driven automobiles; 1,334,560, L. L. Scott, Combustion system; Re. 17,405, same, Oil burning heating system; 1,379,008, A. B. Frenier, Temperature producing mechanism and controlling means therefor; 1,579,497, L. I. Aldrich, Safety control mechanism for electrically controlled fuel burning devices; 1,583,564, same, Liquid fuel atomiser, D. C., E. D. Mich. (Detroit), Doc. 6134, *Cleveland Trust Co.* v. *Art Tool & Die Co. et al.* Dismissed without prejudice (notice Mar. 15, 1938).

1,334,560. (See 1,283,109.) 1,371,857. (See 1,451,491.)

1,379,008. (See 1,283,109.)

1,388,434, G. V. Johnston, Method of and apparatus for butt-welding thin gauge-tubing and the product thereby produced; 1,435,306, same, Butt-welded thin walled tubing, D. C. N. J. (Trenton), Doc. E 3094, *Steel & Tubes, Inc.* v. *General Tube Co.* Injunction Jan. 31, 1938.

1,435,306. (See 1,388,434.)

1,451,491, 1,371,857, S. H. Calkins, Pattern and guide strip, D. C. N. J. (Trenton), Doc. E 3924, *Trattel Marble Co.* v. *G. Harley.* Decree for plaintiff Jan. 31, 1938.

1,456,028, K. F. Marx, Machine for turning crank pins on crank shafts; 1,906,577, W. F. Groene, Steady rest for crank shaft lathes; 1,921,919, same, Orbital lathe; 1,934,530, same, Machine tool; Re. 18,662, Groene & Siekmann, same; 1,993,994, same, Orbital lathe, filed Mar. 14, 1938, D. C., E. D. Mich. (Detroit), Doc. 8350, *The R. K. Le Blond Machine Tool Co.* v. *Crankshaft Machine Co.*

1,470,524, H. B. Burt, Process of making frozen confections; 1,718,997, same, Frozen confection, D. C. N. J., Doc. E 4437, *Good Humor Corp. of America* v. *Penquin Ice Cream Corp. et al.* Dismissed Feb. 10, 1938.

1,502,881. (See 1,700,080.)

1,541,350, Goss & Rawson, Method and means for drying lumber; 1,663,982, same, Method and means for economically drying by air circulation, D. C., W. D. Wash. (Tacoma), Doc. E 460, *O. P. Goss et al.* v. *Henry McCleary Timber Co.* Decree affirmed Dec. 4, 1937.

1,545,257, Hopkinson & Gibbons, Process for making articles of various shapes directly from solutions or suspensions of rubber, and to the articles so obtained; 1,822,847, P. Adamson, Elastic yarn; 1,971,847, Baume & Glorifet, Method of impregnating a solid to control its chemical activity; 2,064,801, F. D. Chittenden, Elastic yarn and method of making same, filed Jan. 20, 1938, D. C. N. J., Doc. E 5870, *U. S. Rubber Products, Inc.*, v. *Filatex Corp.*

1,570,297, F. L. Dyer, Art of recording and reproducing sounds; 1,628,658, same, Talking machine record; 1,726,546, same, Apparatus for making phonograph records; 1,783,498, same, Method of making phonograph records, D. C. N. J., Doc. E 4547, *F. L. Dyer* v. *R. C. A. Victor Co., Inc.* Dismissed Feb. 8, 1938.

1,579,497. (See 1,283,109.)

1,583,496. (See Re. 19,235.)

1,583,564. (See 1,283,109.)

1,625,725, L. L. Irvin, Method and apparatus for providing parachute shroud lines; 1,758,795, same, Parachute-rip-cord construction; 1,758,871, G. Waite, Parachute rip cord; 1,780,104, H. L. Adams, Parachute and pack therefor, D. C. N. J., Doc. E 4245, *Irving Air Chute Co., Inc.*, v. *Switlik Parachute & Equipment Co.* Decree for plaintiff Feb. 7, 1938.

1,628,658. (See 1,570,297.) 1,663,982. (See 1,541,350.)

1,676,921. (See Re. 19,235.)

1,690,109, R. A. Gross, Collapsible box; 1,758,510, same, Paper box; 1,940,213, same, Knockdown paper box with cover, D. C., E. D. N. Y., Doc. E 7994, *Simplex Paper Box Corp.* v. *Blum Folding Paper Box Co., Inc.* Decree for plaintiff Mar. 14, 1938.

1,700,080, J. Sandin, Fuse; 1,502,881, M. J. Sandin, same, D. C. N. J., Doc. E 5819, *McGraw Electric Co.* v. *Metropolitan Electric Mfg. Co.* Dismissed Jan. 24, 1938.

1,718,997. (See 1,470,524.) 1,726,546. (See 1,570,297.)

1,739,301, Goodman & Goodman, Hair ends waver; 1,944,737, J. Goodman, Hair waver, suit for declaratory judgment, D. C. N. J., Doc. E 5763, *Wonder Products Corp.* v. *H. Goodman & Sons, Inc., et al.* Discontinued Dec. 13, 1937.

1,758,510. (See 1,690,109.) 1,758,795. (See 1,625,725.)

1,758,871. (See 1,625,725.)

1,766,420, Wessman & Stone, Paper cup making machine; Des. 74,793, J. Johnson, Paper cup or similar article; T. M. 301,390, Pac-Kups, Inc., Drinking cups, C. C. A., 2d Cir., Doc. —, *Dixie-Vortex Co.* v. *Lily-Tulip Cup Corp.* Decree modified (notice Mar. 7, 1938).

1,780,104. (See 1,625,725.) 1,783,498. (See 1,570,297.)

1,822,847. (See 1,545,257.)

1,878,771, 2,003,114, S. J. Goldsmith, Garment protector, D. C. N. J., Doc. E 5183, *S. J. Goldsmith* v. *S. J. Backien et al.* Dismissed Feb. 7, 1938.

1,894,328, C. Schlumberger, Electrical device for the determination of specific resistivity; 1,913,293, same, Electrical process for the geological investigation of the porous strata traversed by drill holes, D. C., S. D. Calif., C. Div., Doc. E 873-RJ, *Schlumberger Well Surveying Corp.* v. *Geoanalyzer Corp.* Dismissed as to 1,913,293 (notice Mar. 2, 1938).

1,906,577. (See 1,456,028.) 1,913,293. (See 1,894,328.)

1,919,293, 1,995,801, J. Field, Corset, filed Feb. 4, 1938, D. C. N. J., Doc. E 5876, *Warner Bros. Co.* v. *W. B. Foundations, Inc.*

1,921,919. (See 1,456,028.) 1,934,530. (See 1,456,028.)

1,940,213. (See 1,690,109.) 1,944,737. (See 1,739,301.)

1,949,394. (See 1,983,984.) 1,971,847. (See 1,545,257.)

1,973,126, Tanasso & Pomeranz, Folding oxford eyeglass; 1,978,728, same, Joint structure for folding oxford eye-glasses, D. C. N. J., Doc. E 5634, *Streamline Optical Sales Corp.* v. *L. Jacobitti et al.* Dismissed Jan. 24, 1938.

1,978,728. (See 1,973,126.) 1,983,285. (See 2,003,532.)

1,983,984, 1,949,394, T. Martin, Automobile pit, D. C. N. J., Doc. E 5177, *T. A. Martin et al.* v. *Standard Oil Co. of N. J.* Dismissed for lack of prosecution Feb. 14, 1938.

1,993,994. (See 1,456,028.) 1,995,801. (See 1,919,293.)

2,003,114. (See 1,878,771.)

2,003,532, G. A. Gloor, Beverage cooling and dispensing device; 1,983,285, Gloor & Banke, Cooling device, filed Mar. 8, 1938, D. C., E. D. Mich. (Detroit), Doc. 8343, *M. Blanke* v. *Novadel-Agene Corp.*

2,064,801. (See 1,545,257.)

2,077,367, J. A. Hanley, Shaving device; 2,102,529, same, Hair clipper, filed Mar. 3, 1938, D. C., S. D. Calif. (Los Angeles), Doc. E 1340-J, *Clipshave, Inc.*, v. *Motoshaver, Inc., et al.*

2,102,529. (See 2,077,367.)

Re. 17,405. (See 1,283,109.)

Re. 18,662. (See 1,456,028.)

Re. 19,235 (of 1,676,921), Phelan & Hotchkiss, Electrical apparatus; 1,583,496, W. L. Shaver, Heat regulating system, filed Mar. 16, 1938, D. C., E. D. N. Y., Doc. E 5478, *The Brown Instrument Co.* v. *General Electric Co.*

Des. 60,740, L. Siderman, Stocking; Des. 70,307, W. E. Zander, same, D. C. N. J., Doc. E 3249, *Schletter & Zander, Inc.*, v. *Excello Hosiery Mills.* Dismissed Feb. 7, 1938.

Des. 70,307. (See Des. 60,740.)

Des. 74,793. (See 1,766,420.)

T. M. 301,390. (See 1,766,420.)

# TRADE-MARKS

## OFFICIAL GAZETTE, MAY 3, 1938

[VOL. 490. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

### CLASS 1

**Raw or Partly Prepared Materials**

Ser. No. 403,154. WEST TEXAS COTTONOIL CO., Abilene, Tex. Filed Feb. 17, 1938.

Paymaster

For Field and Garden Seeds for Planting Purposes.
Claims use since Dec. 11, 1937.

Ser. No. 403,255. J. GREENEBAUM TANNING CO., Chicago, Ill, and Milwaukee, Wis. Filed Feb. 21, 1938.

DUAL-TAN

The word "Tan" is disclaimed apart from the mark.
For Leather for Outer Soles and Inner Soles for Shoes.
Claims use since Nov. 1, 1936.

### CLASS 2

**Receptacles**

Ser. No. 388,159. VAPO-GAS CORPORATION, San Antonio, Tex. Filed Jan. 25, 1937.

Vapo-Gas SYSTEMS

No claim is made to the words "Gas" and "Systems" apart from the mark.
For Liquefied Petroleum Gas Pressure Tanks Sold Empty.
Claims use since July 3, 1935.

Ser. No. 402,492. UNIVERSAL PLASTICS CORP., New Brunswick, N. J. Filed Jan. 29, 1938.

SCAN-CAN

The word "Can" is disclaimed apart from the mark.
For Receptacles, Particularly Oil Cans and Component Parts Thereof.
Claims use since Dec. 10, 1937.

Ser. No. 402,630. THE HINDE & DAUCH PAPER COMPANY, Sandusky, Ohio. Filed Feb. 3, 1938.

SELMOR

For Corrugated Paper Merchandise Display Stands in the Nature of Paper Receptacles for Displaying Merchandise.
Claims use since July 25, 1935.

### CLASS 3

**Baggage, Animal Equipments, Portfolios, and Pocketbooks**

Ser. No. 404,255. LESCO LTD., New York, N. Y. Filed Mar. 19, 1938.

BONDSTREET

For Ladies' Handbags.
Claims use since Mar. 9, 1938.

### CLASS 4

**Abrasive, Detergent, and Polishing Materials**

Ser. No. 402,818. WILLIAM HEGGEMEYER, doing business as Wil-Meyer Co., New York, N. Y. Filed Feb. 8, 1938.

VITROLIN

For Liquid Glass Cleaner and Polish.
Claims use since Feb. 5, 1938.

Ser. No. 403,707. I. PUTNAM, INC., Elmira, N. Y. Filed Mar. 4, 1938.

KLU-KO

For Preparations for Cleaning Artificial Dentures.
Claims use since Feb. 17, 1938.

## CLASS 6

### Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 395,920. LANALOL LIMITED, London, England. Filed Aug. 2, 1937.

Lanalol

For Preparation for the Care and Treatment of the Hair.
Claims use since 1933.

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Ser. No. 396,676. FRANCIS R. FOSTER, Bradenton, Fla. Filed Aug. 23, 1937.




No claim is made to the word "Neva" apart from the mark.
For Preparation for Application to the Fingers of Children to Prevent Finger Sucking and Nail Biting.
Claims use since July 1, 1937.

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Ser. No. 396,772. HENRY L. GERBOTH, doing business as Ensal Research Products, Milwaukee, Wis. Filed Aug. 26, 1937.




The words "None Genuine without Signature" are disclaimed apart from the mark.
For Medicinal Preparation Used in the Treatment of Piles.
Claims use since Jan. 18, 1937.

Ser. No. 396,925. MARATHON LABORATORIES, INC., Newark, N. J. Filed Aug. 30, 1937.

LA-TEEN

For Hair Waving Fluids, Hand Lotions, Shampoos, Bath Essence, Cuticle Remover, Cuticle Oil, Nail Polishes, Nail Polish Removers, Nail Lotion, Sun Tan Oil, Brilliantine, Nail Conditioner, Deodorant.
Claims use since Sept. 17, 1935.

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Ser. No. 397,335. C. E. JAMIESON & CO., Detroit, Mich. Filed Sept. 11, 1937.

MERCURICIN

For Ointments and Suppositories.
Claims use since July 13, 1932.

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Ser. No. 399,854. ADOLPH C. ONNEN, doing business as Say-So Remedy Company, Baltimore, Md. Filed Nov. 17, 1937.

SAY-SO

For Tablet for the Relief of Simple Headache, Neuralgia, Simple Head Colds, Muscular Aches and Pains.
Claims use since Dec. 27, 1906.

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Ser. No. 400,559. DR. MADAUS & COMPANY, Dresden, Germany. Filed Dec. 7, 1937.

Biogold

For Therapeutic Vitamin Preparation.
Claims use since Sept. 12, 1931.

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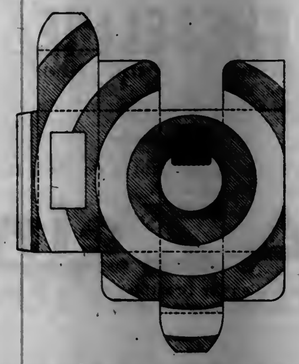
Ser. No. 400,697. NATIONAL ROSIN OIL & SIZE COMPANY, Savannah, Ga. Filed Dec. 10, 1937.

FLUGROL

For Rosin Oil for General Use in the Industrial Arts.
Claims use since Nov. 3, 1937.



Ser. No. 401,679. PAUL H. POLLOCK, doing business as Cajon Manufacturing Company, New York, N. Y. Filed Jan. 7, 1938.



The word "Cajon" and the representation of the carton are disclaimed. The drawing is lined for green.
For Nose Drops for Affections of the Nose and Throat.
Claims use since April, 1930.

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Ser. No. 401,724. JAMES H. BEREMAN, doing business as The Stillman Company, Aurora, Ill. Filed Jan. 10, 1938.




The drawing is lined for yellow. The word "Pimple" is disclaimed except as shown.
For Preparation Having Germicidal and Astringent Properties and Used in Treatment of Pimples, Acne and Skin Diseases.
Claims use since Nov. 15, 1937.

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Ser. No. 401,965. ABBOTT LABORATORIES, North Chicago, Ill. Filed Jan. 17, 1938.

DICAL-D

The letter D is disclaimed except in connection with the mark.
For Medicinal Wafers Containing Dicalcium Phosphate and Viosterol.
Claims use since Dec. 28, 1937.

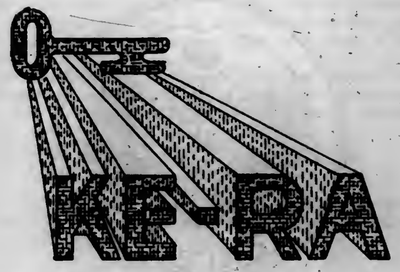
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Ser. No. 402,455. HORTENSE VAN RAALTE, New York, N. Y. Filed Jan. 28, 1938.

Lydstick

For Preparation for Application on Eyelashes and Eyebrows.
Claims use since Dec. 1, 1937.

Ser. No. 402,567. KE-RA PRODUCTS, Oakland, Calif. Filed Feb. 1, 1938.




The drawing is lined for gold and purple.
For Medicine for the Treatment of Ear Ache and Sinus Infections.
Claims use since Jan. 18, 1938.

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Ser. No. 403,274. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Feb. 21, 1938.

SANTOBANE

For Insecticides, Germicides, Bactericides, Fungicides, Algaecides, and Disinfectants.
Claims use since December, 1937.

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Ser. No. 403,275. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Feb. 21, 1938.

SANTOLENE

For Chemical Adjuvants to be Added to Motor Fuels to Improve the Characteristics of Such Motor Fuels.
Claims use since December, 1937.

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Ser. No. 403,295. ELIZABETH ARDEN, INC., New York, N. Y. Filed Feb. 23, 1938.

PROTECTO

For Nail Polishes.
Claims use since Nov. 15, 1937.

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Ser. No. 403,317. GEORGE E. KOBOLT, doing business as Artblend Cosmetic Studios, Chicago, Ill. Filed Feb. 23, 1938.

Permatone

For Brilliantine, Sometimes Known as Permanent Wave Oil.
Claims use since Dec. 1, 1930.

Ser. No. 403,343. JEAN VIVAUDOU COMPANY, New York, N. Y. Filed Feb. 23, 1938.




For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.
Claims use since February, 1935.

Ser. No. 403,423. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Feb. 25, 1938.

PROLON

For Preparation for the Nails.
Claims use since Jan. 26, 1938.

Ser. No. 403,443. A. A. BROUILLARD & CO. INC., Lawrence, Mass. Filed Feb. 26, 1938.

*Fortimore*

For Tonic Blend of Vitamins, Accessory Food Factors, and Minerals.
Claims use since Dec. 31, 1935.

Ser. No. 403,459. MAGMILK COMPANY, INC., New York, N. Y. Filed Feb. 26, 1938.

MAGMILK

For Dry Milk of Magnesia Powder.
Claims use since Jan. 25, 1938.

Ser. No. 403,471. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Feb. 26, 1938.

LIRIMIN

For Liver Extract With Iron and Vitamins.
Claims use since Feb. 24, 1938.

Ser. No. 403,492. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed Feb. 28, 1938.

CHESELINE

For Preparations for the Hair—Namely, Hair Tonic, Hair Dressing, and Shampoo.
Claims use since Feb. 16, 1938.

Ser. No. 403,534. AZEIN REMEDY CO., INC., Jacksonville, Fla. Filed Feb. 26, 1938.

AZein

For Preparation for Bronchial Asthma and Hay Fever.
Claims use since July 14, 1936.

Ser. No. 403,700. LAMBERT PHARMACAL COMPANY, Wilmington, Del. Filed Mar. 4, 1938.

LAUROLIZED

For Tooth Paste.
Claims use since Feb. 21, 1938.

Ser. No. 403,736. ROCHE-ORGANON, INC., Nutley, N. J. Filed Mar. 5, 1938.

ORGETS

For Medicinal Preparations—Namely, Glandular Substances Recommended Principally for Use in Cases of Glandular Deficiency.
Claims use since Jan. 12, 1938.

Ser. No. 403,876. PHOENIX COLOR & CHEMICAL CO., Paterson, N. J. Filed Mar. 9, 1938.

PHENALDEHYDE

For Dyestuffs.
Claims use since Feb. 19, 1938.

Ser. No. 403,984. BETZOLD FUR CLEANERS, Philadelphia, Pa. Filed Mar. 12, 1938.

FURALINE

For Preparation for Softening Furs and Fur Garments.
Claims use since May 8, 1936.

Ser. No. 404,111. BÖHME FETTCHEMIE-GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Chemnitz, Germany. Filed Mar. 16, 1938.

Seclarin

For Chemical Dye Aids—Namely, Moistening Preparations, Thread and Fibre Protecting, Penetrating, Bleaching, Tanning, Smoothing Preparations for Textile Fabrics in the Course of Manufacture.
Claims use since Jan. 26, 1938.



Ser. No. 404,112. BÖHME FETTCHEMIE-GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Chemnitz, Germany. Filed Mar. 16, 1938.

Aversin

For Chemical Dye Aids—Namely, Moistening Preparations, Thread and Fibre Protecting, Penetrating, Bleaching, Tanning, Smoothing Preparations for Textile Fabrics in the Course of Manufacture.
Claims use since Jan. 26, 1938.

Ser. No. 404,114. BÖHME FETTCHEMIE-GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Chemnitz, Germany. Filed Mar. 16, 1938.

Ceradolan

For Chemical Dye Aids—Namely, Moistening Preparations, Thread and Fibre Protecting, Penetrating, Bleaching, Tanning, Smoothing Preparations for Textile Fabrics in the Course of Manufacture.
Claims use since Jan. 26, 1938.

## CLASS 9

### Explosives, Firearms, Equipments, and Projectiles

Ser. No. 398,719. EMBURY MANUFACTURING COMPANY, Warsaw, N. Y. Filed Oct. 20, 1937.

Luck-E-Lite

The words "Luck" and "Lite" are disclaimed apart from the mark.
For Fuses.
Claims use since July 8, 1937.

## CLASS 11

### Inks and Inking Materials

Ser. No. 403,107. F. S. WEBSTER COMPANY, Cambridge, Mass. Filed Feb. 16, 1938.

*Streamlined*

For Carbon Paper.
Claims use since Oct. 23, 1937.

## CLASS 12

### Construction Materials

Ser. No. 395,771. SMOOTH-ON MANUFACTURING COMPANY, Jersey City, N. J. Filed July 29, 1937.




The colors of the mark are as follows: The background is yellow, the lettering blue and black; the upper and lower horizontal lines blue, and the diamond device white with a blue border, said colors being claimed as features of the mark. All wording, with the exception of "Smooth-On" and applicant's name, is disclaimed apart from the mark shown in the drawing, no claim being made to the representation of the can per se.
For Iron Compound in the Form of a Dry Powder Used to Repair Defects and Breaks in and Make Patches on Iron and Other Metallic Substances, to Make Metallic Joints, and to Cover Metallic Surfaces.
Claims use since Oct. 1, 1929.

Ser. No. 399,612. "LA BRUXELLOISE DES CONTREPLAQUES," SOCIETE ANONYME, Haren-Nord, Brussels, Belgium. Filed Nov. 11, 1937.




For Plywoods.
Claims use since Aug. 4, 1937.

Ser. No. 401,529. GULF PORTLAND CEMENT COMPANY, Houston, Tex. Filed Jan. 4, 1938.




For Masonry and Portland Cement.
Claims use since Dec. 7, 1937.

Ser. No. 403,152. UNITED STATES QUARRY TILE COMPANY, Canton, Ohio. Filed Feb. 17, 1938.

RIVET BACK TILE

No claim is made to the word "Tile" apart from the mark.
For Building Tiles.
Claims use since Jan. 18, 1938.

Ser. No. 403,387. THE AMERICAN FLURESIT COMPANY, Cincinnati, Ohio. Filed Feb. 25, 1938.

FLURESIT

For Substance for Rendering Mortar and Mortar-Forming Materials Waterproof.
Claims use since May 14, 1920.

Ser. No. 403,388. THE AMERICAN FLURESIT COMPANY, Cincinnati, Ohio. Filed Feb. 25, 1938.



For Substance for Rendering Mortar and Mortar-Forming Materials Waterproof.
Claims use since May 14, 1920.

Ser. No. 403,455. JAMES F. LARKIN, doing business as Allied Earthen Products Company, Oklahoma City, Okla. Filed Feb. 26, 1938.

**JELLUBE**

For Insulating Mud and Mud Jells for Leak-Proofing Earthen Storage Pits and Sumps.
Claims use since June, 1936.

Ser. No. 403,456. JAMES F. LARKIN, doing business as Allied Earthen Products Company, Oklahoma City, Okla. Filed Feb. 26, 1938.

**RED ALECK**

For Drilling Mud.
Claims use since March, 1937.

Ser. No. 403,726. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Mar. 5, 1938.

**AEROFELT**

For Heat Insulation Material, Particularly Heat Insulation Material Made of Mineral Fibres.
Claims use since Jan. 7, 1938.

## CLASS 13

### Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 389,141. CLAYTON MARK & COMPANY, Chicago, Ill. Filed Feb. 19, 1937.

**E-Z CUT**

No claim is made to the word "Cut" apart from the mark.
For Steel Pipe and Steel Tubing.
Claims use since 1924.

Ser. No. 398,222. MAXWELL TEITELBAUM, Brooklyn, N. Y. Filed Oct. 6, 1937.



The representation of the goods is disclaimed apart from the mark.
For Door Springs and Springs for General Use.
Claims use since 1933.

Ser. No. 402,692. MOORLANE COMPANY, Tulsa, Okla. Filed Feb. 4, 1938.

**TEMPTITE**

For Stud Bolts.
Claims use since Oct. 1, 1937.

Ser. No. 403,212. KINDLUND & DRAKE, New York, N. Y. Filed Feb. 19, 1938.

**VAC-REL**

For Vacuum Relief Valves.
Claims use since May 14, 1928.

## CLASS 14

### Metals and Metal Castings and Forgings

Ser. No. 403,180. KLOSTER STEEL CORPORATION, Chicago, Ill. Filed Feb. 18, 1938.

**PURE-ORE "D-C 33"**

Applicant is owner of T. M. Reg. No. 252,027. The word "Pure" is disclaimed apart from the mark.
For Hot Work Steel.
Claims use since Dec. 10, 1935.

## CLASS 15

### Oils and Greases

Ser. No. 403,392. W. H. BARBER COMPANY, Minneapolis, Minn. Filed Feb. 25, 1938.

**DUROFLO**

For Petroleum Products—Namely, Lubricating Oils and Greases.
Claims use since Feb. 9, 1938.



Ser. No. 403,868. GULF OIL CORPORATION, Pittsburgh, Pa. Filed Mar. 9, 1938.

**Gulfpride**

For Lubricating Oils.
Claims use since Nov. 15, 1935.

Ser. No. 404,236. THE TEXAS COMPANY, New York, N. Y. Filed Mar. 18, 1938.

**CEPHEUS**

For Lubricating Oils.
Claims use since Feb. 25, 1938.

## CLASS 16

### Paints and Painters' Materials

Ser. No. 396,500. METALLIC COATINGS, INC., Brooklyn, N. Y. Filed Aug. 17, 1937.

**CUROC**

For Ready Mixed Paints and Powder Formed Paints, Varnish, Paint Enamel, and Prepared Shellac.
Claims use since Aug. 13, 1937.

Ser. No. 396,501. METALLIC COATINGS, INC., Brooklyn, N. Y. Filed Aug. 17, 1937.

**COTOBRONZ**

For Ready Mixed Paints and Powder Formed Paints, Varnish, Paint Enamel and Prepared Shellac.
Claims use since Aug. 13, 1937.

Ser. No. 401,382. FOSS & COMPANY, Vineland, N. J. Filed Dec. 30, 1937.




For House Paint, Flat Paint, Paint Enamels, Stains, Roof-Coating Barn Paints, Shingle Stains, Shellacs, Waterproofing Compounds (a Paint Product), Boat Paints, Reinforcing Oils (Used in the Paint Business), Deck Enamels, and Plastic Paints (Excluding Artists' Paints and Colors of Every Kind).
Claims use since Dec. 4, 1937.

Ser. No. 403,728. I. F. LAUCKS, INC., Seattle, Wash. Filed Mar. 5, 1938.

**STUCCOLITE**

For Calcimines and Inside and Outside Cold Water Paints.
Claims use since Feb. 24, 1938.

Ser. No. 403,863. FRISCH & CO., INC., New York, N. Y. Filed Mar. 9, 1938.




For Ready Mixed Paint.
Claims use since Jan. 1, 1935.

## CLASS 17

### Tobacco Products

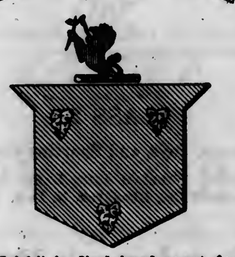
Ser. No. 402,931. BENDIXEN TOBACCO COMPANY, Syracuse, N. Y. Filed Feb. 11, 1938.

**BENCO**

For Tobacco, Particularly Pipe and Cigarette Smoking Tobacco and Chewing Tobacco.
Claims use since Feb. 1, 1938.

Ser. No. 403,433. RICHARD R. TOBIN, doing business as R. R. Tobin Tobacco Co., Detroit, Mich. Filed Feb. 25, 1938.

**IRISH**



The word "Irish" is disclaimed apart from the mark. The drawing is lined for red and green.
For Smoking and Chewing Tobacco.
Claims use since May 12, 1933.

## CLASS 21

### Electrical Apparatus, Machines, and Supplies

Ser. No. 390,758. U. S. MANUFACTURING CORPORATION, Decatur, Ill. Filed Mar. 31, 1937.

BISKUTMASTER

For Electric Cooker.
Claims use since Nov. 10, 1936.

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Ser. No. 399,440. CENTRAL COMMUNICATION DEVICES, INC., New York, N. Y. Filed Nov. 8, 1937.

CENTRALE Call

The words "Central" and "Call" are disclaimed except as shown.
For Inter-Office Communicating Apparatus of the Type Comprising a Loud Speaker and Duplex Telephone or the Like as a Combination in a Unit, Operating Over Power or Transmission Lines.
Claims use since Mar. 1, 1937.

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Ser. No. 401,433. GENERAL CERAMICS COMPANY, New York, N. Y. Filed Dec. 31, 1937.

CASTEATITE

For Electric Insulators of Di-Electric Ceramic Material.
Claims use since September, 1936.

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Ser. No. 402,632. HUDSON STEEL & TUBE CORP., New York, N. Y. Filed Feb. 3, 1938.

MEDAS

For Bicycle Electric Lamps and Electric Generators.
Claims use since February, 1936.

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## CLASS 22

### Games, Toys, and Sporting Goods

Ser. No. 393,334. WILLIAM JOHN LAUER, doing business as W. J. Lauer & Co., Bismarck, N. Dak. Filed May 27, 1937.

The Scotchman's Dream

For Fish Lures.
Claims use since Feb. 2, 1937.

Ser. No. 403,699. NATHAN LAING, New York, N. Y. Filed Mar. 4, 1938.




No claim is made to the word "Top" apart from the mark.
For Spinning Top.
Claims use since Feb. 1, 1938.

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Ser. No. 403,993. ARTHUR R. COONEY, Philadelphia, Pa. Filed Mar. 12, 1938.




For Games Played on Boards or Cloths With Movable Pieces.
Claims use since Feb. 11, 1938.

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## CLASS 23

### Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 396,378. WESTERN MACHINERY COMPANY, San Francisco, Calif. Filed Aug. 13, 1937.

WEMCO

For Classifiers (for Sizing Crushed Rock and Ore); Thickeners (for Dewatering Pulps); Agitators (with and without Aerating Devices); Precipitation Equipment (for Removing Precious Metals From Solutions); Reagent Feeders (for Adding Definite Amounts of Chemicals in a Process); Bin Gates; Hoists; Ball Mill Feeders; and Jigs (Used in Ore Milling).
Claims use since July 3, 1937.

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Ser. No. 402,721. EMPIRE ELECTRIC BRAKE CORPORATION, Dover, Del. Filed Feb. 5, 1938.

MAGDRAULIC

For Brakes and Parts Thereof for Industrial Machinery.
Claims use since Feb. 2, 1938.



Ser. No. 403,609. AMERICAN-LAFRANCE-FOAMITE CORPORATION, Elmira, N. Y. Filed Mar. 8, 1938.

CENTRAFLOW

For Centrifugal Pumps.
Claims use since June 25, 1936.

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Ser. No. 403,830. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed Mar. 8, 1938.

SLICEMASTER

For Cutlery, Particularly Bayonets, Pocket Knives, Sheath Knives, Butcher and Household Knives, Table Knives and Forks, and Carving Sets of Base Metal, and Shears, and Parts Thereof.
Claims use since Mar. 4, 1938.

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Ser. No. 403,831. RUBBERSET COMPANY, Newark, N. J. Filed Mar. 8, 1938.

PHANTOM

For Razor Blades.
Claims use since May 29, 1937.

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## CLASS 26

### Measuring and Scientific Appliances

Ser. No. 401,213. "EUMIG" ELEKTRIZITÄTS- UND METALLWAREN-INDUSTRIE, Vienna, Austria. Filed Dec. 24, 1937.




For Photographic Apparatus—Namely, Films, Film Reels, Apparatus for Taking Cinematographic Pictures and Parts Thereof, Film Casings, Apparatus for Reproducing, Copying, and Enlarging Cinematographic Pictures and Parts Thereof; Projection Screens; Camera and Projector Supports and Stands; Electric Exposure Meters; Optical Exposure Meters; and Distance Meters.
Claims use since May 19, 1927.

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Ser. No. 402,166. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed Jan. 21, 1938.

MINI-POSITIVE

The word "Positive" is disclaimed apart from the mark.
For Sensitized Photographic Film.
Claims use since Dec. 22, 1937.



Ser. No. 402,465. ALVA GUY BLANCHARD, doing business as The Inferno Company, Shreveport, La. Filed Jan. 29, 1938.




The words "Trade Mark" are disclaimed apart from the mark.
For Illuminated Boiler Water Level Gauges and Gauge Valves.
Claims use since Aug. 1, 1937.

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Ser. No. 402,467. ALVA GUY BLANCHARD, doing business as The Inferno Company, Shreveport, La. Filed Jan. 29, 1938.

INFERNO

For Illuminated Boiler Water Level Gauges and Gauge Valve.
Claims use since 1925.

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## CLASS 32

### Furniture and Upholstery

Ser. No. 402,790. MINNEAPOLIS PAPER CO., Minneapolis, Minn. Filed Feb. 7, 1938.




No claim is made to the words "The Paper" and "Pyramid" apart from the mark.
For Merchandise Display Racks.
Claims use since Oct. 12, 1937.

Ser. No. 403,191. ADJUSTA-LITE VENETIAN BLIND COMPANY, Waco, Tex. Filed Feb. 19, 1938.

QUALITY BLINDS
ADJUSTA-LITE
ADJUSTS THE LIGHT

No claim is made to the words "Quality Blinds" and "Adjusts the Light" apart from the mark.
For Venetian Blinds.
Claims use since June 1, 1937.

## CLASS 33

### Glassware

Ser. No. 396,047. SCURLOCK KONTANERETTE CORPORATION, Chicago, Ill. Filed Aug. 5, 1937.

BEVERAGETTE

For Glass Bottles.
Claims use since Jan. 19, 1933.

## CLASS 34

### Heating, Lighting, and Ventilating Apparatus

Ser. No. 395,660. COMBUSTROL EQUIPMENT CO. INC., Clifton, N. J., and New York, N. Y. Filed July 27, 1937.

COMBUSTROL

For Industrial Burners, Furnaces, and Heating Chambers, Using Coal, Tar, Oil, Gas, Gasoline, and Other Liquid Fuels.
Claims use since Apr. 5, 1936.

Ser. No. 399,457. NATIONAL ENAMELING AND STAMPING COMPANY, Milwaukee, Wis. Filed Nov. 8, 1937.

LOBOY

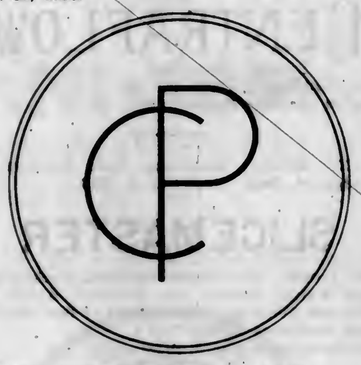
For Cooking Ranges Using Kerosene as Fuel.
Claims use since Dec. 7, 1933.

Ser. No. 402,502. ASSOCIATION OF GAS APPLIANCE AND EQUIPMENT MANUFACTURERS, New York, N. Y. Filed Jan. 31, 1938.



For Gas Appliances—Namely, Gas Ranges.
Claims use since Jan. 24, 1938.

Ser. No. 402,503. ASSOCIATION OF GAS APPLIANCE AND EQUIPMENT MANUFACTURERS, New York, N. Y. Filed Jan. 31, 1938.



For Gas Appliances—Namely, Gas Ranges.
Claims use since Jan. 24, 1938.

## CLASS 37

### Paper and Stationery

Ser. No. 390,235. PARAGON OIL COMPANY, INC., Brooklyn, N. Y. Filed Mar. 18, 1937.

Paragram

For Correspondence and Writing Paper.
Claims use since July 21, 1936.

Ser. No. 399,327. PERVEL CORPORATION, New York, N. Y. Filed Nov. 4, 1937.

Pervel

For Cellulose Material in Sheet Form Used for Shelf Coverings, Wrapping, Cleansing and Polishing Glass, Furniture, Silver, Gold, Platinum, Pewter and Automobile Bodies and for Printing and Stereotyping, Facial Massage Tissues, Napkins, Table Linens, Bed Linen and Towels, Diapers and Diaper Linings and Handkerchiefs All Made of Cellulose Material.
Claims use since Aug. 30, 1937.

Ser. No. 400,677. AMERICAN TAG COMPANY, Chicago, Ill. Filed Dec. 10, 1937.

LACQUER-ADS

The words "Lacquer-Ads" are disclaimed apart from the mark.
For Paper Labels, Tickets, and Tags.
Claims use since Nov. 30, 1937.



Ser. No. 402,215. IRVING CAESAR, New York, N. Y. Filed Jan. 22, 1938.

MEMORADIO

For Charts Upon Which a Preselected Schedule May be Tabulated.
Claims use since Dec. 30, 1937.

Ser. No. 402,558. EASTERN MANUFACTURING COMPANY, Brewer, Maine. Filed Feb. 1, 1938.

MIMEOCRAFT

For Typewriter and Printing Paper.
Claims use since October, 1932.

Ser. No. 402,559. EASTERN MANUFACTURING COMPANY, Brewer, Maine. Filed Feb. 1, 1938.

DUROPAKE

For Printing Papers.
Claims use since July 13, 1933.

Ser. No. 402,652. WALDO A. RICH, New York, N. Y. Filed Feb. 3, 1938.

FIBREX

For Cellulose Webbing.
Claims use since Nov. 10, 1937.

Ser. No. 402,986. THE REYBURN MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 12, 1938.

Reycurv

For Sheet Material of Paper for the Formation of Displays.
Claims use since Jan. 28, 1938.

Ser. No. 403,216. METAPHANE INC., New York, N. Y. Filed Feb. 19, 1938.

METAPHANE

For Wallpaper and Decorative Papers, Mainly Wrapping and Covering.
Claims use since Jan. 25, 1938.

Ser. No. 403,314. THE HINDE & DAUCH PAPER COMPANY, Sandusky, Ohio. Filed Feb. 23, 1938.

FLEXPAK

For Corrugated Paper.
Claims use since July 24, 1936.

## CLASS 38

### Prints and Publications

Ser. No. 388,440. FINANCIAL GUIDE PUBLISHING CORPORATION, New York, N. Y. Filed Feb. 2, 1937.

New York Daily
Investment News

The words "New York" are disclaimed apart from the mark.
For Daily Newspaper.
Claims use since February, 1929.

Ser. No. 397,887. WALT DISNEY PRODUCTIONS, LTD., Los Angeles, Calif. Filed Sept. 27, 1937.




For Series of Cartoons.
Claims use since Dec. 12, 1935.

Ser. No. 401,271. MEREDITH PUBLISHING COMPANY, Des Moines, Iowa. Filed Dec. 27, 1937.

THE Question
BEFORE THE HOUSE

The word "House" is disclaimed apart from the mark.
For Magazine Section.
Claims use since February, 1930.

Ser. No. 402,443. RAY FEATURE SERVICE, New York, N. Y. Filed Jan. 28, 1938.

Facts that are News

For News Strips.
Claims use since Dec. 29, 1937.

Ser. No. 402,937. DESERT PUBLISHING COMPANY, El Centro, Calif. Filed Feb. 11, 1938.

THE Desert MAGAZINE

For Magazine.
Claims use since Oct. 15, 1937.

Ser. No. 403,209. INDIANA STATE TEACHERS' ASSOCIATION, Indianapolis, Ind. Filed Feb. 19, 1938.

The INDIANA TEACHER

The word "Indiana" is disclaimed apart from the mark.
For Periodical.
Claims use since May, 1924.

## CLASS 39

### Clothing

Ser. No. 401,027. LITTLE MARJORIE COAT COMPANY, New York, N. Y. Filed Dec. 18, 1937.

Lamco Snow Togs

The words "Snow Togs" are disclaimed apart from the mark.
For Girls' Snow Suits and Ski Suits.
Claims use since September, 1934.

Ser. No. 401,332. CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, Salt Lake City, Utah. Filed Dec. 29, 1937.




The words "Authorized Pattern" are disclaimed apart from the mark.
For Underwear for the Use of Men and Women.
Claims use since Dec. 7, 1937.

Ser. No. 403,183. RUBENS & MARBLE, INCORPORATED, Chicago, Ill. Filed Feb. 18, 1938.

VEE PEES

For Infants' Garments, Particularly Infants' Underwear.
Claims use since Feb. 2, 1938.

Ser. No. 403,232. LOUIS HIRSCH TEXTILE MACHINES, INC., New York, N. Y. Filed Feb. 18, 1938.

S-U-KNIT

No claim is made to the word "Knit" apart from the mark.
For Hosiery.
Claims use since November, 1937.

Ser. No. 403,369. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Feb. 24, 1938.




The word "Flannel" is disclaimed apart from the mark.
For Men's and Boys' Suits.
Claims use since Oct. 10, 1937.

Ser. No. 403,545. THE ENRO SHIRT CO., Louisville, Ky. Filed Mar. 1, 1938.

Mello-Rose

The word "Rose" is disclaimed apart from the mark.
For Men's Negligee, Dress, and Sport Shirts, Pajamas, and Underwear.
Claims use since Nov. 3, 1936.

Ser. No. 403,758. DEL MONTE-HICKEY COMPANY, INC., New York, N. Y. Filed Mar. 7, 1938.

"Cosmo-Grey"

The word "Grey" is disclaimed except as shown.
For Women's and Misses' Coats, Suits, Dresses, Blouses, and Skirts.
Claims use since Feb. 28, 1938.

Ser. No. 403,852. BAUMAN & STOLL, New York, N. Y. Filed Mar. 9, 1938.

KENNIE TWEED



The word "Tweed" is disclaimed apart from the mark.
For Ladies' Coats, Suits, Skirts, and Ensembles Consisting of Two or Three Piece Suits or Dresses with Coats to Match.
Claims use since Mar. 1, 1938.



## CLASS 42

### Knitted, Netted, and Textile Fabrics

Ser. No. 395,174. MELVIN MEYER, New York, N. Y., assignor to Air Conditioned Fabrics Corp., New York, N. Y., a corporation of New York. Filed July 13, 1937.

CONDITIONAIR

For Cotton, Rayon, Linen, and Silk Fabrics in the Piece.
Claims use since Jan. 18, 1937.

Ser. No. 400,908. GOTTSCHALK & CO., New York, N. Y. Filed Dec. 16, 1937.

"SEW EASY"

The notation is disclaimed apart from the mark.
For Printed Fabrics 50 to 54" Wide, in Continuous Lengths of Linen, Rayon, and Cotton, and Combinations Thereof, the Fabrics Being Printed in Such a Manner to be Cut in 18" Lengths from the Bolt to be Used for the Making of Ladies' Garments.
Claims use since October, 1937.

Ser. No. 401,230. TITUS BLATTER & COMPANY, New York, N. Y. Filed Dec. 24, 1937.

BROCLASSÉ

For Piece Goods of Cotton, Artificial Silk, and Mixtures of Cotton and Artificial Silk, and Upholstery and Draperies in the Piece Made Therefrom.
Claims use since Nov. 15, 1937.

Ser. No. 403,069. THE ASTRUP COMPANY, Cleveland, Ohio. Filed Feb. 16, 1938.




The word "Gee" is disclaimed apart from the mark.
For Cotton Pieces Goods—Namely, Awning Fabrics.
Claims use since Jan. 24, 1938.

Ser. No. 403,481. SOPHIA SWARTS, New York, N. Y. Filed Feb. 26, 1938.

Challora

For Piece Goods of Silk, Rayon, Cotton, Wool, and Mixtures Thereof.
Claims use since 1935.

Ser. No. 403,756. COLVINEX CORPORATION, New York, N. Y. Filed Mar. 7, 1938.

COLVINEX

For Woven Fabric in the Piece Made of Metal Core Yarn.
Claims use since July 29, 1937.

Ser. No. 403,901. CHARLES BLOOM, INC., New York, N. Y. Filed Mar. 10, 1938.

Doesheen

For Drapery Fabrics in the Piece Made of Sateen.
Claims use since Jan. 15, 1938.

Ser. No. 403,990. CROMPTON COMPANY, West Warwick, R. I. Filed Mar. 12, 1938.

PLAYMATE

For Corduroy Fabrics in the Piece Made of Cotton.
Claims use since Feb. 9, 1938.

Ser. No. 404,013. PARKER, WILDER & CO., New York, N. Y. Filed Mar. 12, 1938.

Parkella

For Woolen Piece Goods.
Claims use since Mar. 1, 1935.

## CLASS 43

### Thread and Yarn

Ser. No. 402,740. NEW PROCESS RAYON, INC., Gloucester, N. J. Filed Feb. 5, 1938.

Nupronium

For Thread and Yarn.
Claims use since June, 1937.

## CLASS 44

### Dental, Medical, and Surgical Appliances

Ser. No. 402,916. M. E. PROCTOR, doing business as Proctors Products, New Haven, Conn. Filed Feb. 10, 1938.




The words "Triple Air Tested Certified Protectors" are disclaimed apart from the mark.

For Prophylactic Rubber Articles for the Prevention of Diseases.

Claims use since June 10, 1937.

## CLASS 45

### Beverages, Nonalcoholic

Ser. No. 400,601. IRBIN OLIVER CORPORATION, New York, N. Y. Filed Dec. 8, 1937.




No claim is made to the representation of the product or the words "Drink a" apart from the mark.

For Extracts and Syrups Used in the Manufacture of Carbonated Beverages and for Non-Alcoholic Carbonated Beverages.

Claims use since Nov. 15, 1937.

## CLASS 46

### Foods and Ingredients of Foods

Ser. No. 397,355. MARTHA L. CHRISTIAN, doing business as Reel Products Company, Cedar Rapids, Iowa. Filed Sept. 13, 1937.

YEASTEX

For Food for Poultry, Cattle, Hogs, Sheep, Horses, and Dogs.

Claims use since Dec. 29, 1936.

Ser. No. 399,674. PACIFIC FRUIT & PRODUCE CO., Seattle, Wash. Filed Nov. 12, 1937.

STATE SEAL

No claim is made to the word "State" apart from the mark.

For Fresh Deciduous Fruits.

Claims use since Apr. 27, 1920.

Ser. No. 401,096. ALBERT LEON, doing business as Morning Glory Products Co., Los Angeles, Calif. Filed Dec. 20, 1937.




All notations except "Virgo 21" are disclaimed apart from the drawing.

For Coffee Substitute.

Claims use since Dec. 1, 1937.

Ser. No. 401,864. S. HOLST-KNUDSEN, New York, N. Y. Filed Jan. 13, 1938.




Applicant disclaims the words "Beauty" and "Danish Blue Cheese" apart from the mark.

For Cheese.

Claims use since January, 1937.



Ser. No. 402,091. GENERAL MILLS, INC., Minneapolis, Minn. Filed Jan. 19, 1938.




The words "Seal" and "Uniformity Insured" are disclaimed apart from the mark. The drawing is lined for blue, red, and yellow.

For Flour, Particularly Wheat Flour.

Claims use since Dec. 17, 1937.

Ser. No. 402,771. P. DUFF & SONS, INC., Pittsburgh, Pa. Filed Feb. 7, 1938.



For Prepared Mixes for Cake Making.

Claims use since September, 1931.

Ser. No. 402,785. MUTUAL CITRUS PRODUCTS CO., Anaheim, Calif. Filed Feb. 7, 1938.

Golden Goblet

No claim is made to the word "Golden" apart from the mark.

For Canned Citrus Juices for Food Purposes.

Claims use since Jan. 17, 1938.

Ser. No. 402,983. NATIONAL BISCUIT COMPANY, New York, N. Y. Filed Feb. 12, 1938.

NBC

For Bakery Products—Namely, Bread, Biscuit, and Ice Cream Cones.

Claims use since Jan. 1, 1900, on biscuit; since March, 1932, on ice cream cones; since Feb. 7, 1938, on bread.

Ser. No. 403,199. LOUIS A. CORNING, Hamlet, N. C. Filed Feb. 19, 1938.

NINE BITS

For Ice Cream, Sherbets.

Claims use since Oct. 10, 1937.

Ser. No. 403,225. ROCHELLE ASPARAGUS COMPANY, Rochelle, Ill. Filed Feb. 19, 1938.




For Canned Asparagus.

Claims use since Dec. 14, 1937.

Ser. No. 403,705. PAUL HAWKINS COMPANY, Los Angeles, Calif. Filed Mar. 4, 1938.

Freshway

For Marmalade Made From Citrus Fruits.

Claims use since Feb. 11, 1938.

Ser. No. 403,732. PATERSON, SIMONS & CO. LTD., London, England. Filed Mar. 5, 1938.

SIMONA

For Canned Pineapple.

Claims use since Nov. 19, 1937.

## CLASS 47

### Wines

Ser. No. 389,851. SALLY SANDS, doing business as Car-Cal Winery, Greensboro, N. C. Filed Mar. 9, 1937.

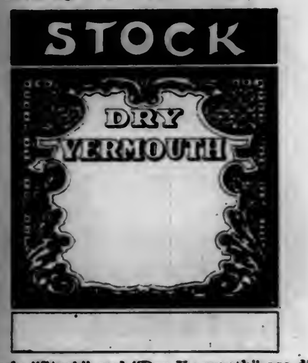
OLD MAUDE




For Wine.
Claims use since Oct. 6, 1936.

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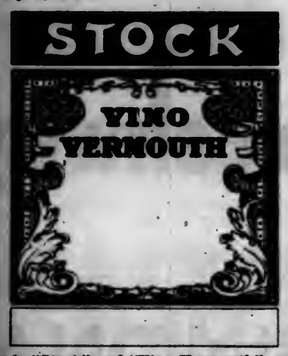
Ser. No. 391,855. DISTILLERIE STOCK S. A., Trieste, Italy. Filed Apr. 26, 1937.




The words "Stock" and "Dry Vermouth" are disclaimed apart from the mark.
For Vermouth.
Claims use since September, 1935.

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Ser. No. 392,314. DISTILLERIE STOCK S. A., Trieste, Italy. Filed May 5, 1937.




The words "Stock" and "Vino Vermouth" are disclaimed apart from the mark.
For Vermouth.
Claims use since September, 1934.

Ser. No. 400,349. MAISON DE VENOGE SOCIÉTÉ ANONYME, Epernay, France. Filed Dec. 1, 1937. Under 10-year proviso.




For Champagne Wines.
Claims use since 1864.

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## CLASS 48

### Malt Beverages and Liquors

Ser. No. 395,170. JAN GÖTS OKOCIMSKI BROWAR I ZAKLADY PRZEMYSLOWE S. A., Okocim, Poland. Filed July 13, 1937.




The words "Okocim" and "Marka Ochronna" are disclaimed apart from the mark.
For Beers of any Kind.
Claims use since March, 1925.

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## CLASS 49

### Distilled Alcoholic Liquors

Ser. No. 394,936. EVANS MARSHALL & COMPANY LIMITED, London, England. Filed July 7, 1937.

GOOD COMPANY

The word "Good" is disclaimed apart from the mark.
For Whisky.
Claims use since 1905.



Ser. No. 402,049. ARBOUIN MARETT & Co., S. A., Cognac, France. Filed Jan. 18, 1938.




The representation of the label per se and all spoken symbols excepting the monogram and the name "M. Chardon & Co." apart from the mark shown are hereby disclaimed.
For Brandy.
Claims use since Oct. 19, 1937.

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## CLASS 50

### Merchandise Not Otherwise Classified

Ser. No. 381,651. ANCHOR CAP & CLOSURE CORPORATION, Long Island City, N. Y. Filed July 31, 1936.

SHELLBACK

For Closure Caps.
Claims use since January, 1933.

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Ser. No. 400,645. HONEY-WEB INC., New York, N. Y. Filed Dec. 9, 1937.

HONEY
WEB

For Ribbon Fly Catcher.
Claims use since Nov. 24, 1937.

Ser. No. 401,376. ELECTRO-TECHNICAL PRODUCTS, INC., Nutley, N. J. Filed Dec. 30, 1937.



For Waterproof and Water Repellent Fabrics for Making Umbrellas.
Claims use since Aug. 20, 1937.

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Ser. No. 401,517. CROWN PRODUCTS CORPORATION, Philadelphia, Pa. Filed Jan. 3, 1938.

Crown
"Limber" RUG CUSHION
"Pillows Your Feet Upon"

All words are disclaimed apart from the mark.
For Felt Products—Namely, Rug Cushions.
Claims use since Mar. 6, 1936.

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Ser. No. 402,079. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Jan. 19, 1938.

X2B

For Rods, Sheets, and Tubes of Hard Rubber.
Claims use since Jan. 10, 1938.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 3, 1938

356,511. AIR CONDITIONING APPARATUS—NAMELY, UNITARY APPARATUS FOR MODIFYING THE HUMIDITY AND TEMPERATURE OF, AND FOR CIRCULATING AND FILTERING THE MODIFIED AIR IN ENCLOSURES SUCH AS ROOMS. Norge Corporation, Detroit, Mich, assignor to Borg-Warner Corporation, a corporation of Illinois.
Filed February 28, 1934. Serial No. 347,955. PUBLISHED OCTOBER 16, 1934. Class 34.

356,512. WHISKEY. John A. Wathen Distillery Co., Louisville and Lebanon, Ky.
Filed October 13, 1934. Serial No. 357,106. PUBLISHED FEBRUARY 22, 1938. Class 49.

356,513. PERFUMERY EXTRACTS. Pinaud Incorporated, New York, N. Y.
Filed May 27, 1935. Serial No. 365,477. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,514. CANNED FISH—NAMELY, HERRING. Chr. Bjelland & Co. A/S, Stavanger, Norway.
Filed July 29, 1936. Serial No. 381,552. PUBLISHED AUGUST 24, 1937. Class 46.

356,515. GLASS-CUTTERS AND PARTS THEREOF, GLASS-DRILLING AND WORKING TOOLS, PUTTY KNIVES, TILE-WORKING TOOLS, SCRAPING TOOLS AND PARTS THEREOF, RAZORS, RAZOR BLADES, SAWS, AND SAW BLADES. Landon P. Smith, Inc., Irvington, N. J.
Filed November 23, 1936. Serial No. 385,908. PUBLISHED FEBRUARY 22, 1938. Class 23.

356,516. ANTIQUE AND REPRODUCTIONS OF ANTIQUE HOUSEHOLD FURNITURE INCLUDING BEDS, CHAIRS, TABLES, CHESTS OF DRAWERS, STOOLS, DESKS, SIDEBOARDS, STANDS, SOFAS, AND PICTURE AND MIRROR FRAMES. Wells Historical Museum, Southbridge, Mass.
Filed November 30, 1936. Serial No. 386,136. PUBLISHED FEBRUARY 15, 1938. Class 32.

356,517. BRASSIÈRES, BODY FOUNDATIONS FOR WOMEN, CORSETS, GIRDLES, LADIES' AND CHILDREN'S UNDERSHIRTS AND UNDERDRAWERS. Bonzette Foundations, Inc., New York, N. Y.
Filed December 2, 1936. Serial No. 386,198. PUBLISHED FEBRUARY 15, 1938. Class 39.

356,518. GAME EMPLOYING CARDS AND PLAYED SOMEWHAT AFTER THE MANNER OF LOTTO. Jonas S. Markstein, doing business as Screeno Amusement Co., Chicago, Ill.
Filed December 30, 1936. Serial No. 387,305. PUBLISHED FEBRUARY 22, 1938. Class 22.

356,519. FIELD SEEDS. Lucius P. Cook, doing business as L. P. Cook, Memphis, Tenn.
Filed March 12, 1937. Serial No. 389,973. PUBLISHED FEBRUARY 22, 1938. Class 1.

356,520. GAME COMPRISING A MOTION PICTURE PROJECTION MACHINE ATTACHMENT AND A SERIES OF CARDS TO BE USED IN CONNECTION THEREWITH. David Stewart Craven, Jr., doing business as Whirl-Win Co., New York, N. Y.
Filed March 25, 1937. Serial No. 390,505. PUBLISHED FEBRUARY 22, 1938. Class 22.

356,521. MEASURING AND CONTROL INSTRUMENTS AND APPARATUS FOR AUTOMATICALLY CONTROLLING AN OPERATION RESPONSIVELY TO THE FLUCTUATIONS OF A VARIABLE CONDITION. The Brown Instrument Company, Philadelphia and Wayne Junction, Philadelphia, Pa.
Filed May 8, 1937. Serial No. 392,475. PUBLISHED FEBRUARY 22, 1938. Class 26.

356,522. PAPER WRAPPERS FOR FOODS AND OTHER MATERIALS. William A. Hermanson, doing business as William A. Hermanson & Co., Boston, Mass.
Filed June 4, 1937. Serial No. 393,645. PUBLISHED FEBRUARY 22, 1938. Class 37.

356,523. FROZEN CONFECTIONS. Joe Lowe Corporation, New York, N. Y.
Filed June 4, 1937. Serial No. 393,657. PUBLISHED FEBRUARY 22, 1938. Class 46.

356,524. FROZEN CONFECTIONS. Joe Lowe Corporation, New York, N. Y.
Filed June 4, 1937. Serial No. 393,659. PUBLISHED FEBRUARY 22, 1938. Class 46.

356,525. CARD PANELS, CARD CARRIERS, GUIDE CARDS, AND FILING CARDS. The General Fireproofing Company, Youngstown, Ohio.
Filed June 19, 1937. Serial No. 394,278. PUBLISHED FEBRUARY 22, 1938. Class 37.

356,526. CARDBOARD AND CORRUGATED BOARD WINDOW DISPLAY FORMS, MERCHANDISE DISPLAY STANDS, AND CARDBOARD AND CORRUGATED BOARD DISPLAYS FOR SUPPORTING GOODS TO BE SOLD OR FOR ADVERTISING GOODS TO BE SOLD. The Capex Company, Chicago, Ill.
Filed June 28, 1937. Serial No. 394,575. PUBLISHED FEBRUARY 22, 1938. Class 50.

356,527. WOOD MINNOWS, SPINNING MINNOWS, ARTIFICIAL BAIT, AND FLOATS. The Shurkatch Fishing Tackle Co. Inc., Richfield Springs, N. Y.
Filed June 29, 1937. Serial No. 394,682. PUBLISHED JANUARY 25, 1938. Class 22.

356,528. SHOES MADE OF LEATHER, AND LEATHER AND FABRIC COMBINATIONS. Sattler's, Inc., Buffalo, N. Y.
Filed July 22, 1937. Serial No. 395,540. PUBLISHED FEBRUARY 15, 1938. Class 39.

356,529. TOASTED CORN KERNELS. Olin Manufacturing Co., Oakland, Calif.
Filed July 26, 1937. Serial No. 395,651. PUBLISHED FEBRUARY 22, 1938. Class 46.

356,530. WEEKLY PUBLICATION. Review of Reviews Corporation, New York, N. Y., now by change of name The Literary Digest, Inc.
Filed August 3, 1937. Serial No. 395,966. PUBLISHED OCTOBER 5, 1937. Class 38.

356,531. FAN BELTS, CAR WASHING HOSE, RADIATOR HOSE, GARDEN HOSE, AIR AND STEAM HOSE, CORD AIR PRESSURE BAGS FOR REPAIRING PNEUMATIC CASINGS, ETC. The B. F. Goodrich Company, New York, N. Y., and Akron, Ohio.
Filed August 6, 1937. Serial No. 396,075. PUBLISHED FEBRUARY 15, 1938. Class 35.

356,532. TIRE REPAIR PATCHES. Tru-Flex Rubber Products Company, Los Angeles, Calif.
Filed August 17, 1937. Serial No. 396,520. PUBLISHED FEBRUARY 15, 1938. Class 35.

356,533. AIR CONDITIONING UNITS. American-Simplex Corporation, St. Louis, Mo.
Filed August 19, 1937. Serial No. 396,555. PUBLISHED FEBRUARY 22, 1938. Class 34.

356,534. ARTIFICIAL FISHING LURE. The Creek Chub Bait Company, Garrett, Ind.
Filed August 20, 1937. Serial No. 396,595. PUBLISHED JANUARY 25, 1938. Class 22.





356,535. BATS AND SOFTBALLS. Joint Rules Committee on Softball, Elizabeth, N. J.
Filed August 21, 1937. Serial No. 396,635. PUBLISHED FEBRUARY 22, 1938. Class 22.

356,536. BASE METAL COOKERS. Aluminum Goods Mfg. Co., Jersey City, N. J., and Manitowoc, Wis.
Filed August 23, 1937. Serial No. 396,658. PUBLISHED JANUARY 25, 1938. Class 13.

356,537. SEWING MACHINES AND PARTS THEREOF AND CONTAINERS AND ARTICLES OF FURNITURE FORMING RECEPTACLES FOR AND PARTS OF SEWING MACHINES. Elna S. A., Geneva, Switzerland.
Filed August 24, 1937. Serial No. 396,711. PUBLISHED JANUARY 4, 1938. Class 23.

356,538. PHYSICAL THERAPY APPARATUS FOR EXERCISING THE MUSCLES OF THE FEET AND LEGS. The Fischer Corporation, Glendale, Calif.
Filed August 28, 1937. Serial No. 396,870. PUBLISHED FEBRUARY 22, 1938. Class 44.

356,539. PICTORIAL PUBLICATION PUBLISHED FROM TIME TO TIME. John P. Murphy, Jr., Kenilworth, Ill.
Filed August 30, 1937. Serial No. 396,928. PUBLISHED FEBRUARY 22, 1938. Class 38.

356,540. COMBINATION PACKAGE OF BIRD SEED, BIRD CAKE, AND CUTTLE BONE. New Orleans Import Co., Limited, New Orleans, La.
Filed September 8, 1937. Serial No. 397,224. PUBLISHED JANUARY 4, 1938. Class 46.

356,541. CLEANING, SCOURING, AND POLISHING MATERIAL IN POWDERED FORM. Tri-State Development Corporation, Burnsville, N. C., and Washington, D. C.
Filed September 8, 1937. Serial No. 397,235. PUBLISHED NOVEMBER 30, 1937. Class 4.

356,542. NECKTIES AND CRAVATS. Hut Neckwear Co. Inc., New York, N. Y.
Filed September 14, 1937. Serial No. 397,408. PUBLISHED FEBRUARY 15, 1938. Class 39.

356,543. COIN CONTROLLED MACHINE FOR DISPENSING POPPED CORN. Ohio Amusement Company, Inc., Columbus, Ohio.
Filed September 22, 1937. Serial No. 397,676. PUBLISHED FEBRUARY 22, 1938. Class 23.

356,544. CARD NUMBER GAME PLAYED AFTER THE MANNER OF BINGO OR TIT-TAT-TO. Louis Kessler, doing business as Novelty Games Co., New York, N. Y.
Filed September 25, 1937. Serial No. 397,811. PUBLISHED NOVEMBER 9, 1937. Class 22.

356,545. MONTHLY MAGAZINE. Popular Magazines, Inc., Greenwich, Conn.
Filed September 25, 1937. Serial No. 397,817. PUBLISHED FEBRUARY 15, 1938. Class 38.

356,546. MOTOR DRIVEN BUSES, BUS BODIES, AND STRUCTURAL PARTS THEREFOR. Crown Body Corporation, Ltd., Los Angeles, Calif.
Filed September 27, 1937. Serial No. 397,841. PUBLISHED FEBRUARY 22, 1938. Class 19.

356,547. HIGH CHAIR PAD. Lisa Albert, doing business as L. Albert Co., New York, N. Y.
Filed September 29, 1937. Serial No. 397,922. PUBLISHED FEBRUARY 8, 1938. Class 32.

356,548. TRACING CLOTH. W. J. Peters & Cie., Cologne-Rodenkirchen, Germany.
Filed October 5, 1937. Serial No. 398,172. PUBLISHED FEBRUARY 22, 1938. Class 37.

356,549. ARCHITECTS' LINEN (TRACING CLOTH). W. J. Peters & Cie., Cologne-Rodenkirchen, Germany.
Filed October 5, 1937. Serial No. 398,174. PUBLISHED FEBRUARY 22, 1938. Class 37.

356,550. TOY BALLOONS. The Pioneer Rubber Company, Willard, Ohio.
Filed October 14, 1937. Serial No. 398,489. PUBLISHED FEBRUARY 22, 1938. Class 22.

356,551. CONTINUING SERIES OF PUBLICATIONS—NAMELY, A REGULAR COLUMN IN A NEWSPAPER. Earl L. Douglass, Philadelphia, Pa.
Filed October 15, 1937. Serial No. 398,529. PUBLISHED JANUARY 11, 1938. Class 38.

356,552. NECKWEAR—NAMELY, MEN'S AND BOYS' NECKTIES, CRAVATS, AND MUFFLERS. Frank & Meyer Neckwear Company, St. Louis, Mo.
Filed October 15, 1937. Serial No. 398,533. PUBLISHED FEBRUARY 15, 1938. Class 39.

356,553. DUPLICATING INK. A. B. Dick Company, Chicago, Ill.
Filed October 16, 1937. Serial No. 398,568. PUBLISHED FEBRUARY 22, 1938. Class 11.

356,554. RADIO TRANSMITTERS, ELECTRIC, BOTH POWER AND COMMUNICATIONS TYPE TRANSFORMERS, AND SPEECH EQUIPMENT COMPRISING AUDIO FREQUENCY AMPLIFIER CIRCUITS, MIXING AND CONTROL CIRCUITS, AND ELECTRICAL CONNECTIONS FOR MICROPHONES AND OTHER SIGNAL SOURCES ADAPTED TO BE USED THEREWITH. Collins Radio Company, Cedar Rapids, Iowa.
Filed October 18, 1937. Serial No. 398,613. PUBLISHED JANUARY 11, 1938. Class 21.

356,555. BOARD GAMES. Milton Bradley Company, Springfield, Mass.
Filed October 19, 1937. Serial No. 398,663. PUBLISHED FEBRUARY 22, 1938. Class 22.

356,556. LEATHER PACKINGS, CUPS, WASHERS, GASKETS, AND DISCS. The Garlock Packing Company, Palmyra, N. Y.
Filed October 20, 1937. Serial No. 398,723. PUBLISHED FEBRUARY 22, 1938. Class 35.

356,557. BOOKKEEPING BINDERS, BLANK FORM SHEETS FOR BOOKKEEPING, BLANK BOOKS, LOOSE LEAF BINDERS, AND PAPER SHEET PACKS FOR FILLING LOOSE LEAF BINDERS. National Blank Book Company, Holyoke, Mass.
Filed October 21, 1937. Serial No. 398,783. PUBLISHED FEBRUARY 22, 1938. Class 37.

356,558. TYPEWRITER RIBBONS. Ozalid Corporation, New York, N. Y.
Filed October 23, 1937. Serial No. 398,858. PUBLISHED FEBRUARY 22, 1938. Class 11.

356,559. BOWLING GAME CONSISTING OF AN INCLINED ALLEY EMPLOYING A BACKGROUND OF MAGNETIZED SPOTS AND SMALL STEEL BALLS FOR PROJECTION. Piesen Manufacturing Company, Brooklyn, N. Y.
Filed October 25, 1937. Serial No. 398,933. PUBLISHED FEBRUARY 1, 1938. Class 22.

356,560. ELECTRIC VACUUM CLEANERS AND ACCESSORIES. Electrolux, Inc., New York, N. Y.
Filed October 29, 1937. Serial No. 399,077. PUBLISHED FEBRUARY 22, 1938. Class 21.

356,561. ELECTRIC VACUUM CLEANERS AND ACCESSORIES. Electrolux, Inc., New York, N. Y.
Filed October 29, 1937. Serial No. 399,078. PUBLISHED FEBRUARY 22, 1938. Class 21.

356,562. WRITING PENS OF ALL KINDS. The Spencerian Pen Company, New York, N. Y.
Filed October 29, 1937. Serial No. 399,118. PUBLISHED FEBRUARY 22, 1938. Class 37.

356,563. THERMOSTAT CONTROLS FOR AUTOMOBILE HEATERS. Bridgeport Thermostat Company, Inc., Bridgeport, Conn.
Filed October 30, 1937. Serial No. 399,124. PUBLISHED FEBRUARY 22, 1938. Class 26.

356,564. PERIODICAL. Electrical Housekeeping, Inc., Manchester, Conn.
Filed October 30, 1937. Serial No. 399,130. PUBLISHED FEBRUARY 22, 1938. Class 38.

356,565. FIRECRACKERS AND FIREWORKS. Pensick & Gordon, Inc., Los Angeles, Calif.
Filed November 6, 1937. Serial No. 399,390. PUBLISHED JANUARY 11, 1938. Class 9.

356,566. BARBECUE SAUCE. THE E. H. WRIGHT COMPANY, LTD., Kansas City, Mo.
Filed November 8, 1937. Serial No. 399,490. PUBLISHED FEBRUARY 22, 1938. Class 46.

356,567. WRITING PENS OF ALL KINDS. THE SPENCERIAN PEN COMPANY, New York, N. Y.
Filed November 11, 1937. Serial No. 399,525. PUBLISHED FEBRUARY 22, 1938. Class 37.

356,568. STAPLING MACHINES USED FOR FASTENING PAPERS, CARDBOARD, FABRICS, METAL, ETC., TOGETHER, ALSO FOR FASTENING PAPERS, CARDBOARD, FABRICS, METAL, ETC., ON TO WOOD, ETC. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed November 10, 1937. Serial No. 399,536. PUBLISHED FEBRUARY 22, 1938. Class 23.

356,569. STAPLING MACHINES USED FOR FASTENING PAPERS, CARDBOARD, FABRICS, METAL, ETC., TOGETHER, ALSO FOR FASTENING PAPERS, CARDBOARD, FABRICS, METAL, ETC., ON TO WOOD, ETC. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed November 10, 1937. Serial No. 399,537. PUBLISHED FEBRUARY 22, 1938. Class 23.

356,570. STAPLING MACHINES USED FOR FASTENING PAPERS, CARDBOARD, FABRICS, METAL, ETC., TOGETHER, ALSO FOR FASTENING PAPERS, CARDBOARD, FABRICS, METAL, ETC., ON TO WOOD, ETC. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed November 10, 1937. Serial No. 399,538. PUBLISHED FEBRUARY 22, 1938. Class 23.

356,571. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed November 10, 1937. Serial No. 399,561. PUBLISHED FEBRUARY 22, 1938. Class 42.

356,572. FRESH MILK. MIDDLETOWN MILK & CREAM CO. INC., Newark, N. J.
Filed November 16, 1937. Serial No. 399,801. PUBLISHED FEBRUARY 22, 1938. Class 46.

356,573. POLISHING CLOTH FOR POLISHING METALS. JOHN RITZENTHALER, New York, N. Y.
Filed November 17, 1937. Serial No. 399,857. PUBLISHED FEBRUARY 22, 1938. Class 4.

356,574. LADIES' AND MISSES' SHOES MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. SCHWARTZ & BENJAMIN, INC., New York, N. Y.
Filed November 19, 1937. Serial No. 399,939. PUBLISHED FEBRUARY 15, 1938. Class 39.

356,575. LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. I. MILLER AND SONS, INC., Long Island City, N. Y.
Filed November 20, 1937. Serial No. 399,974. PUBLISHED FEBRUARY 15, 1938. Class 39.

356,576. WOODEN BOXES FOR SHIPPING POULTRY AND THE LIKE. CENTRAL FIBRE PRODUCTS COMPANY, INCORPORATED, Chicago, Ill.
Filed November 22, 1937. Serial No. 399,903. PUBLISHED FEBRUARY 15, 1938. Class 2.

356,577. FILTERS FOR GASES OR LIQUIDS, AND PARTS THEREOF. THE K & S MOTOR PRODUCTS, INC., Hillside, N. J.
Filed November 23, 1937. Serial No. 400,068. PUBLISHED FEBRUARY 22, 1938. Class 31.

356,578. GUMMED AND UNGUMMED LABELS; TAGS PROVIDED WITH STRINGS, BUTTON SLOTS, CLIPS, OR HOOKS. ROBINSON TAG & LABEL COMPANY, New York, N. Y.
Filed November 23, 1937. Serial No. 400,068. PUBLISHED FEBRUARY 22, 1938. Class 37.

356,579. PAPER CUTTING MACHINES OR PRINT TRIMMERS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed November 24, 1937. Serial No. 400,094. PUBLISHED FEBRUARY 22, 1938. Class 23.

356,580. COCKTAIL SHAKERS. NATIONAL SILVER DEPOSIT WARE CO., INC., New York, N. Y.
Filed November 24, 1937. Serial No. 400,120. PUBLISHED FEBRUARY 22, 1938. Class 13.

356,581. NECKTIES. WAHNETAH SILK COMPANY, INC., New York, N. Y.
Filed November 24, 1937. Serial No. 400,144. PUBLISHED FEBRUARY 15, 1938. Class 39.

356,582. MATTRESSES. JOSEPH SCHWARTZ, Brooklyn, N. Y.
Filed November 27, 1937. Serial No. 400,209. PUBLISHED FEBRUARY 8, 1938. Class 32.

356,583. CREPE MEDICAL AND SURGICAL BANDAGES AND CREPE SURGICAL DRESSINGS, NONMEDICATED. T. J. SMITH & NEPHEW, LIMITED, Hull, England.
Filed November 29, 1937. Serial No. 400,253. PUBLISHED FEBRUARY 22, 1938. Class 44.

356,584. MEN'S WEARING APPAREL — NAMELY, DRESS, NEGLIGEE, WORK, AND SPORT SHIRTS, NECKTIES, BATHROBES, PAJAMAS, MUFFLERS, AND UNDERWEAR. MARTIN'S, Brooklyn, N. Y.
Filed November 30, 1937. Serial No. 400,317. PUBLISHED FEBRUARY 15, 1938. Class 39.

356,585. DECALCOMANIA TRANSFERS SOLD TO THE TRADE AS SUCH. THE SINGER MANUFACTURING COMPANY, New York, N. Y.
Filed December 1, 1937. Serial No. 400,356. PUBLISHED FEBRUARY 22, 1938. Class 38.

356,586. TICKET AND PUNCH BOARD GAMES. PHILIP N. HARDIN, doing business as H & H Sales Company, Fortville, Ind.
Filed December 2, 1937. Serial No. 400,372. PUBLISHED FEBRUARY 15, 1938. Class 22.

356,587. MEN'S NECKTIES AND MUFFLERS. McCURRACH ORGANIZATION INCORPORATED, New York, N. Y.
Filed December 2, 1937. Serial No. 400,383. PUBLISHED FEBRUARY 15, 1938. Class 39.

356,588. MEN'S AND BOYS' SUITS, COATS, VESTS, TROUSERS, OVERCOATS, DRESS SUITS, AND SCARFS. BAKER CLOTHES INC., Philadelphia, Pa.
Filed November 30, 1937. Serial No. 400,396. PUBLISHED FEBRUARY 15, 1938. Class 39.

356,589. MINIATURE SHOOTING GALLERY. GEM CITY MACHINES, INC., Dayton, Ohio.
Filed December 3, 1937. Serial No. 400,411. PUBLISHED JANUARY 25, 1938. Class 22.

356,590. WEDGE ASSEMBLY FOR ALIGNING MOTOR BOAT ENGINES AND EFFECTING PRECISE LEVELS ON OTHER MACHINES. GUY MAVERA, Revere, Mass.
Filed December 6, 1937. Serial No. 400,446. PUBLISHED FEBRUARY 22, 1938. Class 13.

356,591. LAMP REFLECTORS. REFLECTOR & ILLUMINATING CO., Chicago, Ill.
Filed December 4, 1937. Serial No. 400,468. PUBLISHED FEBRUARY 22, 1938. Class 34.

356,592. CHEESE. ANTOLINI & CO., New York, N. Y.
Filed December 3, 1937. Serial No. 400,483. PUBLISHED FEBRUARY 22, 1938. Class 46.

356,593. LEATHER. BARRETT & COMPANY, INC., Newark, N. J.
Filed December 6, 1937. Serial No. 400,490. PUBLISHED FEBRUARY 22, 1938. Class 1.

356,594. MACHINES FOR CUTTING AND WELDING METAL BY MEANS OF GASES. AIR REDUCTION SALES COMPANY, New York, N. Y.
Filed December 7, 1937. Serial No. 400,546. PUBLISHED FEBRUARY 22, 1938. Class 34.

356,595. SOAP. MARX & KUSHNER, New York, N. Y.
Filed December 7, 1937. Serial No. 400,565. PUBLISHED FEBRUARY 22, 1938. Class 4.



356,596. PAPER NAPKINS. THE DIAMOND MATCH COMPANY, New York, N. Y.
Filed December 8, 1937. Serial No. 400,592. PUBLISHED FEBRUARY 22, 1938. Class 37.

356,597. WOOLEN PIECE GOODS. SCHENKER, MICHEL & WEINSTOCK, INC., Chicago, Ill.
Filed December 8, 1937. Serial No. 400,616. PUBLISHED FEBRUARY 22, 1938. Class 42.

356,598. WOOLEN PIECE GOODS. SCHENKER, MICHEL & WEINSTOCK, INC., Chicago, Ill.
Filed December 8, 1937. Serial No. 400,617. PUBLISHED FEBRUARY 22, 1938. Class 42.

356,599. PIES, CAKES, DOUGHNUTS, PASTRIES, AND BREAD. CAPITAL BAKERS, INC., Harrisburg, Pa.
Filed December 9, 1937. Serial No. 400,629. PUBLISHED FEBRUARY 22, 1938. Class 46.

356,600. VEGETABLE EDIBLE COTTON-SEED OIL EMULSION FOR SHORTENING. NEW ENGLAND SHORTENING COMPANY, Pawtucket, R. I.
Filed December 9, 1937. Serial No. 400,652. PUBLISHED FEBRUARY 22, 1938. Class 46.

356,601. WOMEN'S SPORT COATS AND HATS AND RIDING BREECHES FOR WOMEN AND GIRLS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed December 9, 1937. Serial No. 400,657. PUBLISHED FEBRUARY 15, 1938. Class 39.

356,602. RUBBER HEELS. ESSEX RUBBER COMPANY, Trenton, N. J.
Filed December 11, 1937. Serial No. 400,725. PUBLISHED FEBRUARY 15, 1938. Class 39.

356,603. CANNED FRUITS. TRI-VALLEY PACKING ASSOCIATION, San Francisco, Calif.
Filed December 11, 1937. Serial No. 400,735. PUBLISHED FEBRUARY 22, 1938. Class 46.

356,604. BINDER TWINE, SISAL BINDER TWINE, AND SISAL ROPE. FRANK W. WINNE & SON INCORPORATED, Philadelphia, Pa.
Filed December 15, 1937. Serial No. 400,890. PUBLISHED FEBRUARY 22, 1938. Class 7.

356,605. FRUIT SYRUPS FOR MAKING NONALCOHOLIC BEVERAGES. NATURAL SUGARS, INC., New York, N. Y.
Filed December 17, 1937. Serial No. 400,989. PUBLISHED JANUARY 25, 1938. Class 45.

356,606. COMFORTABLES. THE NEW HAVEN QUILT & PAD COMPANY, New Haven, Conn.
Filed December 16, 1937. Serial No. 400,920. PUBLISHED FEBRUARY 22, 1938. Class 42.

356,607. ELECTRIC LIGHTING FIXTURES FOR HOUSEHOLD AND COMMERCIAL INSTALLATIONS. THE EDWIN F. GUTH COMPANY, St. Louis, Mo.
Filed December 18, 1937. Serial No. 401,023. PUBLISHED FEBRUARY 22, 1938. Class 21.

356,608. ELECTRIC CONTROLS FOR ELECTRIC SWITCHES, TEMPERATURE OPERATED ELECTRIC SWITCHES, PRESSURE OPERATED ELECTRIC SWITCHES, AND PARTS THEREOF. THE MERCOID CORPORATION, Chicago, Ill.
Filed December 18, 1937. Serial No. 401,029. PUBLISHED FEBRUARY 22, 1938. Class 21.

356,609. COTTON AND WOOLEN AND COMBINATIONS THEREOF, IN THE PIECE. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y.
Filed December 20, 1937. Serial No. 401,046. PUBLISHED FEBRUARY 22, 1938. Class 42.

356,610. CARPETS, RUGS, AND UPHOLSTERY FABRICS. INTERNATIONAL LOOMS INC., New York, N. Y.
Filed December 20, 1937. Serial No. 401,060. PUBLISHED FEBRUARY 22, 1938. Class 42.

356,611. CARD GAME. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed December 20, 1937. Serial No. 401,073. PUBLISHED FEBRUARY 15, 1938. Class 22.

356,612. MACHINES FOR USE IN MAKING COLLARS, CUFFS, AND THE LIKE. TRUBENIZING PROCESS CORPORATION, New York, N. Y.
Filed December 21, 1937. Serial No. 401,122. PUBLISHED FEBRUARY 22, 1938. Class 23.

356,613. BRASSIÈRES. THE WARNER BROTHERS COMPANY, Bridgeport, Conn.
Filed December 21, 1937. Serial No. 401,123. PUBLISHED FEBRUARY 15, 1938. Class 39.

356,614. LINEN DRESS GOODS IN THE PIECE. EDWIN E. BERLINER & Co., New York, N. Y.
Filed December 22, 1937. Serial No. 401,133. PUBLISHED FEBRUARY 22, 1938. Class 42.

356,615. RIFLE TELESCOPES, BINOCULARS, AND FIELD GLASSES. A. F. STOEGER, INC., New York, N. Y.
Filed December 23, 1937. Serial No. 401,200. PUBLISHED FEBRUARY 22, 1938. Class 26.

356,616. WOODEN TOY COMPRISING A HANDLE, A HEAD LOOSELY FITTED THERETO, AND A FLEXIBLE CONNECTION BETWEEN THE HEAD AND HANDLE. DONALD F. DUNCAN, INC., Chicago, Ill.
Filed December 27, 1937. Serial No. 401,242. PUBLISHED FEBRUARY 8, 1938. Class 22.

356,617. NON-ALCOHOLIC BEVERAGES. SEVEN SEAS IMPORTS, LTD., New York, N. Y.
Filed December 28, 1937. Serial No. 401,319. PUBLISHED FEBRUARY 22, 1938. Class 45.

356,618. SILK, RAYON, AND ACETATE PIECE GOODS. KNICKERBOCKER TEXTILE CO., INC., New York, N. Y.
Filed December 30, 1937. Serial No. 401,389. PUBLISHED FEBRUARY 22, 1938. Class 42.

356,619. FERTILIZER. HENRY J. WEITS, doing business as Stockdale Fertilizer Company, Morris, Ill.
Filed December 30, 1937. Serial No. 401,409. PUBLISHED FEBRUARY 22, 1938. Class 10.

356,620. BEER AND ALE. THE JOS. HENSLER BREWING CO., Newark, N. J.
Filed December 31, 1937. Serial No. 401,436. PUBLISHED FEBRUARY 22, 1938. Class 48.

356,621. KITCHEN WINDOW DRAPES, KITCHEN SHELF EDGINGS, KITCHEN SCARFS, KITCHEN TABLECLOTHS, STOVE PADS, POT HOLDER SETS. THE WEISS & KLAU CO., New York, N. Y.
Filed December 31, 1937. Serial No. 401,461. PUBLISHED FEBRUARY 22, 1938. Class 42.

356,622. FRESH CITRUS AND DECIDUOUS FRUITS, FRESH VEGETABLES, AND MELONS. LEONARD JONES, doing business as Casey Jones, Los Angeles, Calif.
Filed January 3, 1938. Serial No. 401,487. PUBLISHED FEBRUARY 22, 1938. Class 46.

356,623. NON-ALCOHOLIC, MALTLESS BEVERAGE USED AS A SOFT DRINK AND EXTRACTS AND SYRUPS FOR PREPARING THE SAME. MISSION DRY CORPORATION, Los Angeles, Calif.
Filed January 3, 1938. Serial No. 401,495. PUBLISHED FEBRUARY 22, 1938. Class 45.

356,624. GOLF CLUBS AND PARTS THEREOF. KENNETH SMITH, Lenexa, Kans.
Filed January 3, 1938. Serial No. 401,511. PUBLISHED FEBRUARY 15, 1938. Class 22.

356,625. FRESH VEGETABLES. FARMERS PRODUCE COMPANY, LTD., Brawley, Calif.
Filed January 4, 1938. Serial No. 401,525. PUBLISHED FEBRUARY 22, 1938. Class 46.

356,626. PRETZELS. AMERICAN CONE & PRETZEL COMPANY, Philadelphia, Pa.
Filed January 3, 1938. Serial No. 401,542. PUBLISHED FEBRUARY 22, 1938. Class 46.

356,627. BRAKE LINING MATERIAL. THE B. F. GOODRICH COMPANY, Akron, Ohio, and New York, N. Y.
Filed January 5, 1938. Serial No. 401,570. PUBLISHED FEBRUARY 22, 1938. Class 35.

356,628. RING AND PEG GAME. RONZONE & LANGE, New York, N. Y.
Filed January 6, 1938. Serial No. 401,620. PUBLISHED FEBRUARY 15, 1938. Class 22.

356,629. OYSTERS AND SALT-WATER FISH—NAMELY, CROAKERS, WEAK FISH, BUTTER FISH, MACKEREL, PORGIES, AND OTHER LESS IMPORTANT FISH, SHIPPED IN A GREEN STATE UNDER ICE. J. C. WALKER BROTHERS, INC., Exmore, Va.
Filed January 6, 1938. Serial No. 401,628. PUBLISHED FEBRUARY 22, 1938. Class 46.

356,630. TOY PISTOLS. THE KILGORE MANUFACTURING COMPANY, Westerville, Ohio.
Filed January 10, 1938. Serial No. 401,744. PUBLISHED FEBRUARY 22, 1938. Class 22.

356,631. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE STEINHARDT COMPANY, INC., New York, N. Y.
Filed January 13, 1938. Serial No. 401,877. PUBLISHED FEBRUARY 22, 1938. Class 49.

356,632. MATTRESSES, BOX SPRINGS, AND STUDIO COUCHES. ANTISEPTIC MATTRESS CO., INC., Lynn, Mass.
Filed January 14, 1938. Serial No. 401,861. PUBLISHED FEBRUARY 22, 1938. Class 32.

356,633. PISTON RINGS. CONTINENTAL PISTON RING COMPANY, Memphis, Tenn.
Filed January 14, 1938. Serial No. 401,890. PUBLISHED FEBRUARY 22, 1938. Class 35.

356,634. METALLIC RODS AND ELEMENTS FOR REPAIRING CRACKED OR BROKEN CASTINGS OF STEEL, IRON, OR OTHER METAL. LAWRENCE B. SCOTT, San Antonio, Tex.
Filed January 14, 1938. Serial No. 401,907. PUBLISHED FEBRUARY 22, 1938. Class 14.

356,635. BED SPRINGS, BOX SPRINGS, STUDIO COUCHES, AND MATTRESSES. PREMIER BED & SPRING COMPANY, San Francisco, Calif.
Filed January 15, 1938. Serial No. 401,947. PUBLISHED FEBRUARY 22, 1938. Class 32.

## [ACT OF MARCH 19, 1920, SEC. 1 (b)]

## THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

356,636. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) BORG-WARNER CORPORATION, Detroit, Mich. Filed Mar. 11, 1936. Serial No. 375,840.

**NORGE**

For Crockery, Porcelain, and Earthen Cooking Hollow Ware, Tableware, and Refrigerator Dishes.
Claims use since February, 1935.

356,637. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Nov. 21, 1936. Serial No. 385,852.

**OLD VIENNA**

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salve, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.
Claims use since Oct. 29, 1936.

356,638. (CLASS 37. PAPER AND STATIONERY.) VICTOR F. POLLAK PRINTING COMPANY, San Francisco, Calif. Filed Dec. 16, 1936. Serial No. 386,816.

**KARBONIZED**

For Blank Insurance Policies.
Claims use since Oct. 25, 1936.

356,639. (CLASS 39. CLOTHING.) HAROLD C. RUBIN, doing business as Rubin's Furs, Detroit, Mich. Filed Jan. 11, 1937. Serial No. 387,684.

**RE-EL Seal**

For Genuine Alaskan Sealskin Coats.
Claims use since Nov. 2, 1936.

356,640. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) W. J. HOLLIDAY & CO., Indianapolis, Ind. Filed Feb. 26, 1937. Serial No. 389,419.

**SPEED TREAT**

For Steel.
Claims use since Oct. 20, 1936.



356,641. (CLASS 37. PAPER AND STATIONERY.) THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Baltimore, Md.; Akron and Cleveland, Ohio; Denver, Colo.; Los Angeles, Calif.; and St. Louis, Mo. Filed Mar. 9, 1937. Serial No. 389,839.

**May'd Best**

For Wax Paper and Toilet Paper.
Claims use since February, 1937.

356,642. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CYCLONE AIR CLEANER COMPANY, Portland, Oreg. Filed Mar. 24, 1937. Serial No. 390,445.

**CYCLONE**

For Suction Operated Air Cleaning Dust Traps for Use with Air Intakes on Engines and Engine Carbureters, and the like.
Claims use since Apr. 1, 1936.

356,643. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SPARTAN SAW WORKS, INC., Springfield, Mass. Filed Mar. 24, 1937. Serial No. 390,474.

**KUTALL**

For Metal Cutting Saws and Particularly Hack Saw Blades.
Claims use since Mar. 8, 1937.

356,644. (CLASS 27. HOROLOGICAL INSTRUMENTS.) RALEIGH WATCH CORPORATION, New York, N. Y. Filed Apr. 5, 1937. Serial No. 390,969.

**RALEIGH**

For Watches, Watch Movements, Clocks, Clock Movements, and Watch Cases.
Claims use since Feb. 10, 1937.

356,645. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LA BREA SECURITIES CO., also doing business as Rosemary Packing Co., Los Angeles and Santa Maria, Calif. Filed Mar. 2, 1938. Serial No. 403,593.

**SANTA MARIA**

For Fresh Vegetables.
Claims use since Nov. 5, 1925.

356,646. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) BLOOMINGDALE BROS., INC., New York, N. Y. Filed Apr. 21, 1937. Serial No. 391,614.

**FITZ-ALL**

For Dust Protectors for Lamp Shades Made of Oil Silk.
Claims use since Mar. 26, 1937.

356,647. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GRANT CHEMICAL CO., INC., New York, N. Y. Filed May 6, 1937. Serial No. 392,357.

**Pancreatic Hormone (Grant)**

For Liquid Medicine in Vials or Ampules Used as a Vasodilator and Para-Sympathetic Stimulant.
Claims use since Dec. 15, 1936.

356,648. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STEPHEN M. DUSCHOCK, doing business as Pelamer Laboratories, Brooklyn, N. Y. Filed May 17, 1937. Serial No. 392,856.

**SHUR-STOP**

For Medicine Recommended for Treatment of Coughs Due to Common Colds, and Useful in the Treatment of Throat Irritations and Soothing to the Bronchial Tract.
Claims use since Sept. 1, 1935.

356,649. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GAST MANUFACTURING CORPORATION, Bridgman, Mich. Filed July 17, 1937. Serial No. 395,374.

**Zephyr**

For Spray Painters.
Claims use since Jan. 15, 1937.

356,650. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OIL SPRAYS, INC., Yakima, Wash. Filed July 19, 1937. Serial No. 395,429.

TREOIL



For Oil Sprays for Fruit Trees, Vines, and Vegetables.
Claims use since MAY, 1936.

356,651. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) R. J. WELBORN, doing business as Quick Stop Brake Service, Kansas City, Mo. Filed Aug. 19, 1937. Serial No. 396,586.

"QUICK STOP"

For Brake Dressing.
Claims use since Mar. 15, 1937.

356,652. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE UPSON-WALTON COMPANY, Cleveland, Ohio. Filed Sept. 21, 1937. Serial No. 397,627.

2098

For Brattice Cloth Formed of Cotton or Hemp.
Claims use since 1913.

356,653. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE UPSON-WALTON COMPANY, Cleveland, Ohio. Filed Sept. 21, 1937. Serial No. 397,628.

5071

For Brattice Cloth Formed of Cotton or Hemp.
Claims use since 1913.

356,654. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE UPSON-WALTON COMPANY, Cleveland, Ohio. Filed Sept. 21, 1937. Serial No. 397,629.

8372

For Brattice Cloth Formed of Cotton or Hemp.
Claims use since 1913.

356,655. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE UPSON-WALTON COMPANY, Cleveland, Ohio. Filed Sept. 21, 1937. Serial No. 397,630.

9626

For Brattice Cloth Formed of Cotton or Hemp.
Claims use since 1913.

356,656. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) OTIS PRESSURE CONTROL, INC., Dallas, Tex. Filed Oct. 22, 1937. Serial No. 398,818.

OTIS

For Oil Well Tools and Oil Producing Equipment—Namely, Chokes, Valves, Drilling Heads, Control Heads, Oil Savers, Tubing Heads, Blowout Preventers, Fluid Pressure Flow Devices, Snubbers, Fishing Tools, Paraffin Scrapers, Packers.
Claims use since Jan. 1, 1936.

356,657. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LUDLOW MANUFACTURING & SALES CO., Boston, Mass. Filed Nov. 24, 1937. Serial No. 400,148.

COPPERTAN

For Fish Netting Manufactured from Flax.
Claims use since May 25, 1936.

356,658. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CLIPSHAVE, INC., Port Chester, N. Y. Filed Nov. 27, 1937. Serial No. 400,188.

Clipshave

For Electrical Shaving Apparatus.
Claims use since Feb. 18, 1935.

356,659. (CLASS 17. TOBACCO PRODUCTS.) PARODI CIGAR COMPANY OF NEW YORK, INC., Scranton, Pa. Filed Jan. 22, 1938. Serial No. 402,234.

PARODI

For Cigars.
Claims use since 1915



356,660. (CLASS 39. CLOTHING.) MAGICAL FROCKS, INC., New York, N. Y. Filed Feb. 1, 1938. Serial No. 402,569.

Madge Hunter CREATION

For Ladies' and Misses' Dresses.
Claims use since January, 1937.

356,661. (CLASS 39. CLOTHING.) JACOB ASH, doing business as Ash's, New York, N. Y. Filed Feb. 5, 1938. Serial No. 402,706.

Ash's

For Women's Coats and Suits.
Claims use since Sept. 15, 1928.

356,662. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. E. AULABAUGH, Brosius, W. Va. Filed Feb. 14, 1938. Serial No. 402,997.

TOP O'BEST

For Canned Fruits and Canned Vegetables.
Claims use since Aug. 25, 1936.

356,663. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH S. WITKOWSKI, doing business as Witt Packing Co., Chicago, Ill. Filed Feb. 23, 1938. Serial No. 403,344.

a-Kan-a

For Prepared Dog Food.
Claims use since June 1, 1936.

356,664. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ACME BACKING CORPORATION, Brooklyn, N. Y. Filed Mar. 4, 1938. Serial No. 403,672.

NEVA-SPLIT

For Processed Piece Goods Made of Cotton or the like.
Claims use since December, 1934.

356,665. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CARLETON SCHALLER & CO., INC., New York, N. Y. Filed Mar. 15, 1938. Serial No. 404,092.

HOPSAX-FLAX

For Linen Piece Goods.
Claims use since Mar. 1, 1937.

## TRADE-MARK REGISTRATIONS RENEWED

117,379. A SALVE FOR USE IN TREATING COLDS, COUGHS, PILES, SORE FEET, HEADACHE, AND NEURALGIA. Registered July 3, 1917. THOMAS MEDICINE CO. Renewed July 3, 1937, to Thomas Medicine Co., Allentown, Pa., a firm, successor.

120,545. CANS, CANTEENS, CONTAINERS, AND TANKS. Registered February 19, 1918. BOYLE MANUFACTURING COMPANY, INC., Los Angeles, Calif., a corporation of California. Renewed February 19, 1938.

121,102. TALCUM POWDER, PERFUMERY, AND COLD-CREAM. Registered April 2, 1918. JOHN T. STANLEY CO., INC., New York, N. Y., a corporation of New York. Renewed April 2, 1938.

121,103. CERTAIN NAMED NON-ALCOHOLIC BEVERAGES. Registered April 2, 1918. STANDARD BOTTLING AND EXTRACT CO. INC., Boston, Mass. Renewed April 2, 1938, to Canada Dry Ginger Ale, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

121,111. A PREPARATION FOR RHEUMATISM. Registered April 2, 1918. JOHN A. WHEELIS, Havre, Mont. Renewed April 2, 1938, to John A. Wheelis, Sacramento, Calif.

121,198. HEMMED DIAPERS. Registered April 16, 1918. THE MILLVILLE MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of New Jersey. Renewed April 16, 1938.

121,218. ASPHALT ROOFING. Registered April 16, 1918. SIPO PRODUCTS COMPANY, St. Paul, Minn. Renewed April 16, 1938, to United States Gypsum Company, Chicago, Ill., a corporation of Illinois, assignee.

121,315. TOILET CREAMS. Registered April 23, 1918. ALBERT MINTY, London, England. Renewed April 23, 1938.

121,316. CERTAIN NAMED CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. Registered April 23, 1918. H. K. MULFORD COMPANY. Renewed April 23, 1938, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

121,323. HEAT-REFRACTORY TUBES, RODS, CORES, BRICKS, PLATES, MUFFLES, CRUCIBLES, CAPSULES, DISHES, COMBUSTION BOATS AND SHIELDS. Registered April 23, 1918. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed April 23, 1938.

121,454. LAUNDRY, BATH, AND TOILET SOAP. Registered April 30, 1918. JAMES S. KIRK & COMPANY, Chicago, Ill. Renewed April 30, 1938, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee.

121,475. COTTON DUCK. Registered April 30, 1918. MOUNT VERNON-WOODBERRY MILLS, INC., Baltimore, Md., a corporation of Maryland. Renewed April 30, 1938.

121,479. A PERIODICAL PUBLICATION ISSUED SEVERAL TIMES A YEAR. Registered April 30, 1918. NATIONAL DOLLAR SHIRT SHOPS, INC. Renewed April 30, 1938, to National Shirt Shops of Delaware, Inc., New York, N. Y., a corporation of Delaware, assignee.

121,773. BUTTER. Registered May 28, 1918. THE FOX RIVER BUTTER COMPANY. Renewed May 28, 1938, to Beatrice Creamery Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

121,785. NUT BUTTER AND MARGARIN, COOKING-FATS, AND SALAD-OILS. Registered May 28, 1918. KELLOGG PRODUCTS INC., Buffalo, N. Y. Renewed May 28, 1938, to The Capital City Products Company, Columbus, Ohio, a corporation of Delaware, assignee.

121,786. NUT BUTTER AND MARGARIN, COOKING-FATS, AND SALAD-OILS. Registered May 28, 1918. KELLOGG PRODUCTS INC., Buffalo, N. Y. Renewed May 28, 1938, to The Capital City Products Company, Columbus, Ohio, a corporation of Delaware, assignee.

121,787. NUT BUTTER AND MARGARIN, COOKING-FATS, AND SALAD-OILS. Registered May 28, 1918. KELLOGG PRODUCTS INC., Buffalo, N. Y. Renewed May 28, 1938, to The Capital City Products Company, Columbus, Ohio, a corporation of Delaware, assignee.

121,805. RUBBER TIRES. Registered May 28, 1918. THE MOHAWK RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed May 28, 1938.

121,806. COTTON DUCK. Registered May 28, 1918. MOUNT VERNON-WOODBERRY MILLS, INC., Baltimore, Md., a corporation of Maryland. Renewed May 28, 1938.

121,920. A BALANCED FOOD IN THE FORM OF BREAD. Registered June 11, 1918. FANNY O. MARQUIS, New York, N. Y. Renewed June 11, 1938.

121,926. PADDED CASKET-LININGS AND CASKET-PILLOWS. Registered June 11, 1918. NATIONAL CASKET COMPANY, New York, N. Y. Renewed June 11, 1938, to National Casket Company, Inc., Boston, Mass., a corporation of New York, by change of name.

122,085. SHADE-CLOTHS OF SIZED AND OIL-PAINTED FABRICS. Registered June 25, 1918. THE INTERSTATE SHADE CLOTH CO., Hoboken, N. J., a corporation of New Jersey. Renewed June 25, 1938.

122,226. METAL, RAIL-ANCHORS, ANTICREEPERS, TIE-PLATES, SPLICE-BARS, GUARD-RAIL CLAMPS, AND RAIL-BOND WIRE-HOLDERS. Registered July 9, 1918. THE P. & M. CO. Renewed July 9, 1938, to Poor & Company, Chicago, Ill., a corporation of Delaware, assignee.

122,430. TEA. Registered August 20, 1918. BREWSTER GORDON & Co. Renewed August 20, 1938, to Brewster, Gordon and Company, Inc., Rochester, N. Y., a corporation of New York, assignee.

122,463. MANUFACTURED WATER-RESISTING LEATHER-BOARD. Registered August 20, 1918. THE HERKIMER FIBRE COMPANY, Herkimer, N. Y., and Boston, Mass. Renewed August 20, 1938, to International Paper Company, New York, N. Y., a corporation of New York, assignee.

122,475. AN INSECTICIDE. Registered August 20, 1918. B. HELLER & COMPANY. Renewed August 20, 1938, to B. Heller & Company, Chicago, Ill., a corporation of Illinois, assignee.

122,511. A MEDICINAL PREPARATION FOR RELIEF OF CERTAIN NAMED CONDITIONS. Registered August 20, 1918. BENJAMIN F. MICHAEL, Laceyville, Pa. Renewed August 20, 1938, to Benjamin F. Michael, Binghamton, N. Y.

122,514. CEREAL BREAKFAST FOOD, POPCORN, CITRON-PEEL, LEMON-PEELS, AND ORANGE-PEELS. Registered August 20, 1918. THE MOREY MERCANTILE COMPANY, Denver, Colo., a corporation of Colorado. Renewed August 20, 1938.

122,578. A REMEDY FOR BURNS, A SEDATIVE AND GERMICIDE. Registered August 27, 1918. OTIS CLAPP & SON INC. Renewed August 27, 1938, to Otis Clapp & Son, Inc., Boston, Mass., a corporation of Massachusetts, assignee.

122,606. OLEOMARGARIN. Registered August 27, 1918. NORTHERN COCOANUT-BUTTER COMPANY, Minneapolis, Minn. Renewed August 27, 1938, to The Best Foods, Inc., New York, N. Y., a corporation of Delaware, assignee.

122,634. CANNED SARDINES AND CANNED SHRIMPS. Registered September 3, 1918. BENJAMIN O. BOWERS. Renewed September 3, 1938, to Frank H. Reynolds, doing business as B. O. Bowers Co., New York, N. Y., successor.

122,635. TEA. Registered September 3, 1918. BREWSTER, GORDON & Co. Renewed September 3, 1938, to Brewster, Gordon and Company, Inc., Rochester, N. Y., a corporation of New York, assignee.

122,672. ROASTED COFFEE. Registered September 10, 1918. BETTERTON-RUPERT COFFEE CO. Renewed September 10, 1938, to Betterton Coffee Company, Inc., Ashland, Ky., a corporation of Kentucky, assignee.

122,715. FLOOR-BRUSHES, WINDOW-BRUSHES, BENCH-BRUSHES, SCRUBBING-BRUSHES, AND DUST-BRUSHES. Registered September 10, 1918. A. LAITNER & SONS, Detroit, Mich., a firm. Renewed September 10, 1938.

122,730. BUTTERIN OR MARGARIN COMPOSED OF VEGETABLE OILS AND FOR OLEOMARGARIN. Registered September 10, 1918. WM. J. MOXLEY, INC., Chicago, Ill. Renewed September 10, 1938, to The Capital City Products Company, Columbus, Ohio, a corporation of Delaware, assignee.

122,763. FRESH FRUITS AND VEGETABLES—VIZ., ENDIVE, ALLIGATOR-PEARS, AND POTATOES. Registered September 10, 1918. MAX WATERMAN, New York, N. Y. Renewed September 10, 1938.

122,809. OLEOMARGARIN. Registered September 17, 1918. THE OHIO BUTTERINE CO. Renewed September 17, 1938, to The Churngold Corporation, Cincinnati, Ohio, a corporation of Delaware, assignee.

122,822. FRESH CITRUS FRUITS CONSISTING OF ORANGES, LEMONS, AND GRAPE-FRUIT. Registered September 17, 1918. SAN JOAQUIN FRUIT CO., Tustin, Calif. Renewed September 17, 1938, to Frances Citrus Association, Santa Ana, Calif., a corporation of California, assignee by mesne assignments.

122,823. FRESH CITRUS FRUITS CONSISTING OF ORANGES, LEMONS, AND GRAPE-FRUIT. Registered September 17, 1918. SAN JOAQUIN FRUIT CO., Tustin, Calif. Renewed September 17, 1938, to Frances Citrus Association, Santa Ana, Calif., a corporation of California, assignee by mesne assignments.

122,824. COFFEE. Registered September 17, 1918. SHAPLEIGH COFFEE CO. Renewed September 17, 1938, to Martin L. Hall Company, Boston, Mass., a corporation of Massachusetts, assignee.

122,867. A CHEMICAL CLEANING COMPOUND OF GENERAL APPLICATION. Registered September 24, 1918. DURLACQUE MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed September 24, 1938.

122,911. CHAMOIS-SKINS AND SPONGES. Registered September 24, 1918. JAMES H. RHODES & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 24, 1938.

122,912. LEATHER—VIZ., GOAT, KID, SHEEP, KANGAROO, AND CORDOVAN. Registered September 24, 1918. RICHARD YOUNG COMPANY, New York, N. Y., a corporation of New York. Renewed September 24, 1938.

122,933. WATCHCASES AND WATCH-MOVEMENTS. Registered September 24, 1918. THE WADSWORTH WATCH CASE COMPANY, Dayton, Ky., a corporation of Kentucky. Renewed September 24, 1938.

# LABELS

## REGISTERED MAY 3, 1938

51,061.—*Title:* ATWOOD. For Fresh Grapefruit. THE ATWOOD GRAPEFRUIT COMPANY, Manavista, Fla. Published December 22, 1937.

51,062.—*Title:* WANDO WONDERS. For Tomatoes. BOONE HALL PLANTATION, Mount Pleasant, S. C. Published May 23, 1936.

51,063.—*Title:* ZEPHYR. For Lye. BRAY CHEMICAL CO., Chicago, Ill. Published March 31, 1937.

51,064.—*Title:* FARMYARD. For Lye. BRAY CHEMICAL CO., Chicago, Ill. Published April 19, 1937.

51,065.—*Title:* PIPE MAJOR. For Smoking Tobacco. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Published April 5, 1938.

51,066.—*Title:* Q. T. GUM. For a Gum for Removing from the Breath All Odors of Liquor, Tobacco, Onions, and Garlic. LILLIAN H. BROWNBACK, doing business as Qui Salt Co., New York, N. Y. Published August 31, 1937.

51,067.—*Title:* BURGESS AIR FILTER. For Air Filters. C. F. BURGESS LABORATORIES, INC., Chicago, Ill. Published December 13, 1937.

51,068.—*Title:* BARONET. For Men's Hats. CALVERT HATS, INC., Baltimore, Md. Published February 18, 1938.

51,069.—*Title:* BOND STREET. For Men's Hats. CALVERT HATS, INC., Baltimore, Md. Published February 18, 1938.

51,070.—*Title:* CHALLENGER. For Men's Hats. CALVERT HATS, INC., Baltimore, Md. Published February 18, 1938.

51,071.—*Title:* CORONET. For Men's Hats. CALVERT HATS, INC., Baltimore, Md. Published February 18, 1938.

51,072.—*Title:* LORD CALVERT. For Men's Hats. CALVERT HATS, INC., Baltimore, Md. Published February 18, 1938.

51,073.—*Title:* TRUMP. For Men's Hats. CALVERT HATS, INC., Baltimore, Md. Published February 18, 1938.

51,074.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published April 5, 1938.

51,075.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published April 5, 1938.

51,076.—*Title:* OCEAN BEAUTY. For Canned Salmon. DRESSEL COLLINS FISH CO., Seattle, Wash. Published August 9, 1937.

51,077.—*Title:* NO-LEK. For Pipe Joint Compound. JACOB BYRON DARLING, Indianapolis, Ind. Published February 19, 1938.

51,078.—*Title:* ALL OVER THE WORLD SINCE 1903. For Flavor Base for Fountain Syrups. DIXON FLAVOR & EXTRACT CO., San Francisco, Calif. Published January 13, 1938.

51,079.—*Title:* IT'S TOPS. For Bread. C. FOLTZ, doing business as C. Folts Bakery, Findlay, Ohio. Published March 16, 1938.

51,080.—*Title:* BAGLASS. For Baglass Paper. THE GLASSINE & GREASEPROOF MANUFACTURERS ASSOCIATION, New York, N. Y. Published October 22, 1937.

51,081.—*Title:* SEVAERG FAL-ER-NUM. For Liqueur. PAULINE Y. GREAVES and ROBERT K. GREAVES, doing business as Falernum, Fontana, Calif. Published November 29, 1936.

51,082.—*Title:* SEVAERG SWIZZLE. For Cocktails. PAULINE Y. GREAVES and ROBERT K. GREAVES, doing business as Falernum, Fontana, Calif. Published November 27, 1936.

51,083.—*Title:* VICTOR THE RIPE COFFEE. For Coffee. MARTIN L. HALL COMPANY, Boston, Mass. Published March 28, 1938.

51,084.—*Title:* JAVA JACKET. For Jackets. HIRSCH-WEIS MANUFACTURING COMPANY, Portland, Oreg. Published February 15, 1938.

51,085.—*Title:* SKRAM CLEANER. For Waterless Cleaner for All Painted Surfaces. FORREST GLEN IRWIN, doing business as Flint Ridge Products Co., Newark, Ohio. Published February 24, 1937.

51,086.—*Title:* MARKWELL RF STAPLES. For Staples. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Published April 4, 1938.

51,087.—*Title:* TRI-COSTIVIN. For Preparation Containing Vitamins B and G, Extracts of Duodenum Gland and Gall Bladder, Lacto-Banana Concentrate, Trilactic, Bile Extract, and Agar-Karaya Gum. PROFESSIONAL LABORATORIES, INC., New York, N. Y. Published August 17, 1937.

51,088.—*Title:* TORSCH'S CONQUEROR. For No. 3 Sieve Small Whole Green Beans. THE TORSCH CANNING CO., Baltimore, Md. Published March 7, 1938.

51,089.—*Title:* 3 A M. For a Carbonated Beverage. VIM LABORATORIES, Chicago, Ill. Published November 1, 1937.

# PRINTS

## REGISTERED MAY 3, 1938

16,784.—*Title:* DAYTEX CORD. For Tires. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio. Published March 26, 1938.

16,785.—*Title:* ON THE LEVEL. For Ale and Beer. HAMPDEN BREWING COMPANY, Williamsett, Mass. Published March 25, 1938.

16,786.—*Title:* DID YOU EVER SEE STRIPED FIELDS? For Pineapple Juice. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii. Published August 25, 1937.

16,787.—*Title:* HOW DOLE PINEAPPLES LEAVE HOME. For Pineapple Juice. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii. Published October 25, 1937.

16,788.—*Title:* THEY TREAT THESE PINEAPPLES LIKE LITTLE PRINCES. For Pineapple Juice. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii. Published September 25, 1937.

16,789.—*Title:* THESE PINEAPPLES ARE PAMPERED LIKE INFANT ROYALTY. For Pineapple Juice. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii. Published October 1, 1937.

16,790.—*Title:* IF YOU COULD ONLY SEE THESE LUSH, TEEMING FIELDS . . . For Pineapple Juice. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii. Published September 1, 1937.

16,791.—*Title:* THE NORTH WIND DOTH BLOW. For Pineapple Juice. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii. Published November 20, 1937.

16,792.—*Title:* SO SHINY AND SWEET SMELLING. For Pineapple Juice. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii. Published November 25, 1937.

16,793.—*Title:* CLIMMER . . . $1 . . . NEW! REVERSIBLE! SELF-ADJUSTING! SIZE REDUCING! For Utility Frocks. S. L. HOFFMAN & CO., INC., New York, N. Y. Published March 24, 1938.

16,794.—*Title:* LEE COLOR-MATCHED SHIRTS AND PANTS. For Shirts and Pants. THE H. D. LEE MERCANTILE CO., Kansas City, Mo. Published March 31, 1938.

16,795.—*Title:* A FRIEND OF THE FAMILY. For Shoes. MILES SHOES, INC., New York, N. Y. Published April 8, 1938.

16,796.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD. NO. 922. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published February 5, 1938.

16,797.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD. NO. 923. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published February 1, 1938.

16,798.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD. NO. 926. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published February 1, 1938.

16,799.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD. NO. 927. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published February 1, 1938.

16,800.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD. NO. 928. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published March 1, 1938.

16,801.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD. NO. 929. For Beer. PREMIER-PABST CO., Peoria Heights, Ill. Published April 1, 1938.

16,802.—*Title:* GOOD TASTE FOR 94 YEARS, AD. NO. 937. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published March 1, 1938.

16,803.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD. NO. 938. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published March 1, 1938.

16,804.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD. NO. 942. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published April 1, 1938.

16,805.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD. NO. 949. For Beer. PREMIER-PABST CO., Peoria Heights, Ill. Published March 1, 1938.

16,806.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD. NO. 963. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published March 1, 1938.

16,807.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD. NO. 975. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published April 1, 1938.

16,808.—*Title:* TASTY-PIE. For Pie. TASTY BAKING COMPANY, Philadelphia, Pa. Published March 21, 1938.

16,809.—*Title:* BAKER'S MAGIC. For Pie. TASTY BAKING COMPANY, Philadelphia, Pa. Published March 15, 1938.

# REISSUES

MAY 3, 1938

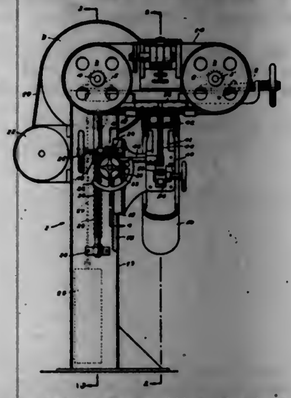
**20,711**

**TIRE TREAD SPLITTING APPARATUS**

**George F. Connelly, San Francisco, Calif., assignor to The Capital National Bank, Sacramento, Calif., a banking corporation**

**Original No. 1,945,883, dated February 6, 1934, Serial No. 665,775, April 12, 1933. Application for reissue April 29, 1936, Serial No. 77,072**

**14 Claims. (Cl. 164—35)**



12. An apparatus for cutting the tread from a full circle tire comprising a roller supported in a position to be disposed within the tire, a second roller arranged to contact the outer tread surface of the tire, said rollers being parallel and the axes thereof being in vertical alignment, means for moving one of said rollers relative to the other to flatten the portion of the tire disposed between them, a knife for forming a flat cut between the rollers and parallel to their axes, the surface cut by the knife becoming curved and merging gradually into the uncut surface of the tire as the same assumes its normal shape upon removal of the tire from between the rollers and means for driving one of said rollers and said knife in unison.

**20,712**

**ENAMELING MACHINE**

**Edward H. Harris, Bridgeport, Conn., assignor to Wheeler Insulated Wire Company, Bridgeport, Conn., a corporation of Connecticut**

**Original No. 2,087,145, dated July 13, 1937, Serial No. 71,580, March 30, 1936. Application for reissue March 8, 1938, Serial No. 194,547**

**6 Claims. (Cl. 24—48)**

5. In a wire-enameling machine, an oven chamber having openings in the opposite ends thereof to permit freshly enameled wires to be passed through the oven for drying; a wall of the oven chamber having an elongate aperture; a firing chamber including as one wall thereof the wall of the oven chamber having the aperture therein so that the aperture thereof forms a passage between the oven and firing chamber; means connected with the firing chamber for causing an indraft therein, said means including a flue which opens into the firing chamber; and means for producing a substantially continuous elongate flame in said firing chamber closely adjacent the aperture in the wall thereof and between said aperture and the flue opening so that gases sucked through the aperture into the



firing chamber from the oven will pass by said flame and be ignited thereby.

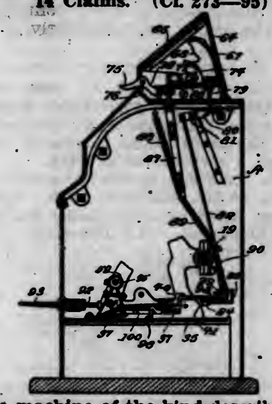
**20,713**

**COIN CONTROLLED MACHINE**

**Harry H. Hoke, Jr., Washington, D. C.**

**Original No. 2,102,532, dated December 14, 1937, Serial No. 112,818, November 25, 1936. Application for reissue January 20, 1938, Serial No. 185,970**

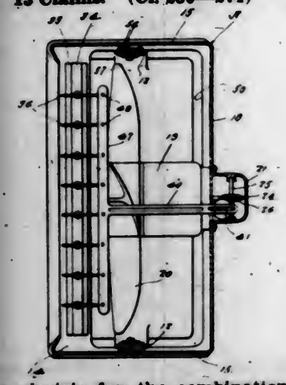
**14 Claims. (Cl. 273—95)**



1. In a machine of the kind described, vending mechanism having a plurality of rotary driven display reels, motive means for rotating the reels, manually operated means for stopping the rotation of the reels during a cycle of operation of the said mechanism, means for staying the completion of the cycle of operation of the said mechanism, a ball-throwing device manually actuated for releasing the third-named means, and an adjustable image for receiving and directing a ball for said device into position for releasing the third-named means.

6. In a machine of the character described, vending mechanism, a clock-operated bar controlling said mechanism, means for arresting movement of the clock-operated bar prior to completion of its cycle of operation, a releasing device for the last-said means, and a ball-throwing device dependent on the skill of the user for the actuation of the releasing device.

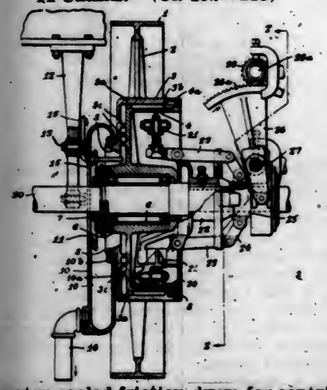
**20,714**
**ELECTRIC FAN**
**John G. Macdonald, Toronto, Ontario, Canada**
**Original No. 2,037,250, dated April 14, 1936, Serial No. 39,057, September 3, 1935. Application for reissue October 14, 1937, Serial No. 168,941**
**13 Claims. (Cl. 236—274)**



1. In an electric fan the combination with a motor driven fan and a series of vanes actuated by the fan motor for deflecting the air stream, of a common casing housing all of said elements in a compact co-operative assembly, a base, said casing having its bottom directly overlapping the base and having an opening therethrough, support arms extending upwardly from the base directly through the opening into the interior of the casing, and means pivotally connecting said arms with the casing walls interiorly of the casing.

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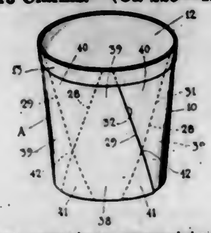
**20,715**
**LIQUID COOLED FRICTION DRUM**
**Eugene Roberts, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah, a corporation of Utah**
**Original No. 2,060,826, dated November 17, 1936, Serial No. 10,315, March 9, 1935. Application for reissue April 13, 1937, Serial No. 136,611**
**11 Claims. (Cl. 192—113)**



1. A water cooled friction drum for centrifugals and the like embracing in its construction an axially bored hub for receiving a central shaft, a hollow friction rim comprising outer and inner members secured together in spaced relation to form intervening radial passages communicating with an outer, annular, outwardly closed passage for the circulation of liquid, a stationary casing provided with a lateral opening surrounding the central shaft and forming in conjunction with a corresponding opening in the outer rim member a spill-way for allowing the escape of the overflow liquid in the rim into said casing and means for supplying cooling liquid to said circulating passages.

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**20,716**
**LAMINATED CONTAINER**
**Swan Smith, White Bear, Minn., assignor, by direct and mesne assignments, of one-half to David C. Shepard, St. Paul, Minn., and one-half to Alfred R. Metzger, White Bear Lake, Minn.**
**Original No. 1,995,523, dated March 26, 1935, Serial No. 658,689, February 27, 1933. Application for reissue December 5, 1935, Serial No. 53,023**
**13 Claims. (Cl. 229—4.5)**



3. A conical container comprising a wall structure formed of sheets of paper glued one upon the other, said sheets being formed with curved upper and lower edges, both of the same curvature, the edges at one end of the container lying in alignment with one another, and the marginal portions of the sheets at the other end of the container being folded back and glued together.

6. A container comprising a bottom having a flange issuing downwardly therefrom, a wall structure comprising sheets of paper glued one upon the other, the lower marginal portions of said sheets being folded back and glued to said flange and to one another, and a metal hoop imbedded between said sheets of paper in proximity to the lower edge of said flange.

8. A conical container having a wall structure constructed from a plurality of sheets of paper, each having straight parallel edges at the ends thereof, said sheets being glued one upon the other with their ends overlapping to form joints, the overlap being greater at the bottom of the wall structure than at the top, said joints being distributed circumferentially of said wall structure and each thereof in part overlying a part of the adjacent joint.

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**20,717**
**PROCESS OF RESOLVING EMULSIONS**
**Truman B. Wayne, Houston, Tex.**
**No Drawing. Original No. 1,919,871, dated July 25, 1933, Serial No. 614,618, May 31, 1932. Application for reissue February 14, 1938, Serial No. 190,471**
**24 Claims. (Cl. 196—4)**

4. The process of resolving water-in-oil emulsions which comprises adding thereto a highly colloidal complex condensation product of the modified synthetic resin type prepared from a reactive resin-forming acidic substituted aromatic body, a polyhydric alcohol and a modifying fatty acid, producing a water-wettable or soluble reaction product.

# PATENTS

## GRANTED MAY 3, 1938

**2,115,695**
**VEHICLE LAMP**
**Charles W. Anklam, Detroit, Mich., assignor to C. M. Hall Lamp Company, Detroit, Mich., a corporation of Michigan**
**Application April 13, 1936, Serial No. 74,213**
**7 Claims. (Cl. 240—7.1)**



1. In a vehicle lamp, the combination with a casing having a plurality of differently facing window openings therein, of a plurality of light bulbs respectively operatively associated with the different windows, means interposed between said bulbs for limiting the angle of light beam therefrom to a single window, a screen associated with each lamp bulb having segments of different colors, and means operable from outside said casing for adjusting each of said screens to selectively interpose said colored segments between the bulbs and the corresponding windows.

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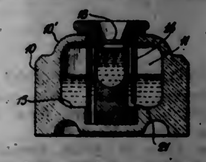
**2,115,696**
**PIPE PROP**
**Frank M. Ashley, Great Kills, Staten Island, N. Y., assignor to Lewis Gompers, as trustee**
**Application April 24, 1936, Serial No. 76,148**
**5 Claims. (Cl. 131—12)**



1. A pipe prop made in a single piece of resilient material shaped to embrace the stem of a pipe on three sides thereof, the free ends of which extend laterally above the stem a distance beyond the width of the stem on opposite sides thereof whereby the extreme portions of said free ends can be moved relative to each other.

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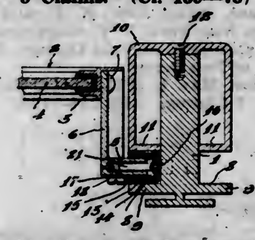
**2,115,697**
**INKSTAND**
**Frank M. Ashley, Great Kills, N. Y., assignor to Lewis Gompers, trustee, New York, N. Y.**
**Application December 23, 1936, Serial No. 117,272**
**10 Claims. (Cl. 120—61)**



1. An inkstand comprising a body portion having a reservoir for ink and a well formed in the bottom thereof, a sleeve and a cup carried thereby formed with a passage for ink leading from the well to the upper side of the cup, the lower end of said sleeve and cup normally positioned in said well adjacent the wall and serving as a plunger to force ink from the well thru said passage into the cup over the rim thereof to fill the same.

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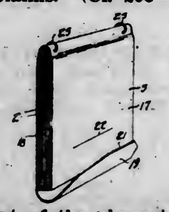
**2,115,698**
**WINDOW STRUCTURE FOR VEHICLES**
**Roy T. Axe, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York**
**Application April 14, 1936, Serial No. 74,334**
**8 Claims. (Cl. 189—73)**



6. In combination, a window structure for vehicles comprising a window frame including posts, and a sash mounted in the frame, the sash and the frame having slidably interfitting parts for guiding the sash, one of said parts being a channel and the other a rib extending into the channel, the rib being provided with a channel opening through the edge thereof, a fibrous U-shaped weather strip embracing the rib, and springs mounted in the channel and applying outward pressure to the weather strip to press the same into the channel.

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**2,115,699**
**PACKET**
**Leonard E. Boyd, Oakland, Calif., assignor of one-half to Edwin C. Street, Oakland, Calif.**
**Application June 9, 1934, Serial No. 729,775**
**4 Claims. (Cl. 206—57)**

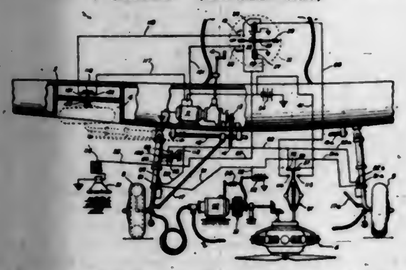


1. In a packet of the character described, a plurality of sheets each individually folded to provide substantially like opposed portions with a strip at one end of one portion extending beyond the corresponding end of the other portion, said sheets being assembled with substantially one half thereof positioned with the shorter portion nearer than the larger to one side of the assembly and with substantially the other half in reverse relation to said side, a cover for each side of the sheet assembly, and means securing said cover to the strips of each sheet with the portions of the cover opposite the strips and the securing means itself lying within the planes defined by the outer sides of the cover.

2,115,700
**ESTERS OF POLYGLYCOLS AND THEIR ETHERS AND COMPOSITIONS CONTAINING THE SAME**
Bjarn Andersen, Maplewood, and Amerigo F. Caprio, Newark, N. J., assignors to Celluloid Corporation, a corporation of New Jersey
No Drawing. Application April 26, 1933, Serial No. 668,078
2 Claims. (Cl. 106—40)

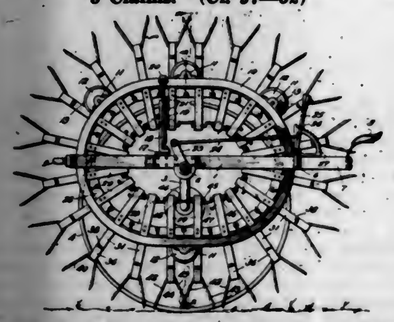
1. A composition of matter containing a derivative of cellulose and an ester of a partial alkyl ether of polyglycol with a hydroxy acid selected from the group consisting of lactic, hydroxy butyric, tartaric and citric acids.

2,115,701
**AIRCRAFT CONTROL**
Howard Baer, Jersey City, N. J., and Martin J. Finnegan, New York, N. Y., assignors to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application May 1, 1937, Serial No. 140,244
7 Claims. (Cl. 244—102)



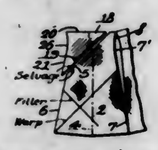
1. In an aircraft, in combination with a shiftable landing gear, including inflatable tires, a gear shifting motor, a compressor, electrical means controlling energization of said motor and compressor, said electrical means including a source of current, and conductors from said source to said motor and compressor, said conductors including an engine speed responsive switch and a second switch in series therewith, said second switch being operable by the pressure of the fluid pumped into said tires by said compressor.

2,115,702
**WEED DESTROYER**
Harvey N. Bingham, San Juan, Tex.
Application December 8, 1936, Serial No. 114,836
8 Claims. (Cl. 97—52)



1. An agricultural machine comprising a wheel-supported main frame, endless tracks connected with the main frame at the sides of the same and having connected upper and lower portions, series of ground-engaging implements mounted for travel upon said tracks, and means on the main frame and connected with the upper portions of the tracks for setting the tracks in an inclined position transversely of the frame.

2,115,703
**GARMENT**
Leon M. Bloom, Paterson, N. J.
Application February 15, 1933, Serial No. 656,930
Renewed November 28, 1936
5 Claims. (Cl. 2—73)




1. The method of producing a plurality of four-piece garments of the gown or undergarment type and of different sizes with all parts cut on a true bias which includes the step of laying out on a mark a plurality of oppositely arranged substantially similar body pieces extending partly across the mark and disposed end to end with their center lines on a true bias and with diagonal edges formed by the selvage edges, said body pieces being of predetermined sizes and outlines and providing blocks therebetween at the selvage edges, and subsequently laying out in said blocks shoulder pieces to be assembled with the body pieces, each shoulder piece being arranged on a true bias and provided with a selvage edge adapted to be joined to a selvage edge of one of the body pieces, thereafter cutting material as indicated by the mark, and then assembling the pieces, whereby the resultant garment will consist of four pieces all disposed on a bias and all of which cooperate to form a four piece neck portion.

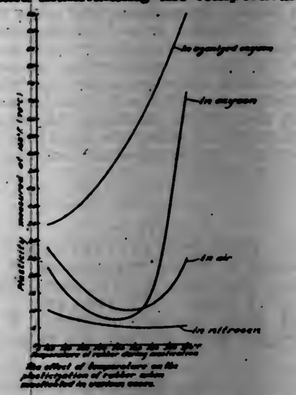
2,115,704
**TREATMENT OF HYDROCARBON OILS**
Eugene R. Brownscombe, Aldan, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application April 25, 1935, Serial No. 18,261
4 Claims. (Cl. 196—13)

4. In the process of decreasing the viscosity-gravity constant of a viscous mineral oil, the step of extracting the oil with nitrobenzene containing an organic acid anhydride from the group consisting of acetic anhydride, maleic anhydride, and phthalic anhydride, said anhydride being present in sufficient quantity to substantially increase the miscibility temperature of said nitrobenzene with said oil.

2,115,705
**METHOD OF PLASTICIZING RUBBER**
Warren F. Busse, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 18, 1936, Serial No. 91,366
5 Claims. (Cl. 18—59)

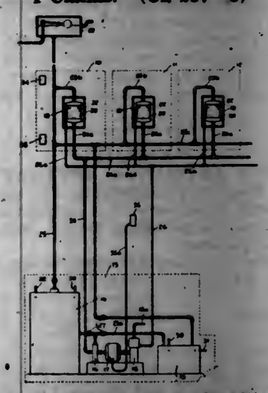
1. The method of plasticizing rubber which comprises subjecting a mass of the rubber to continued intensive mechanical working in an essentially closed chamber, treating the rubber while it is undergoing such working with a gas containing a substantial proportion of activated oxygen, and maintaining the temperature of the





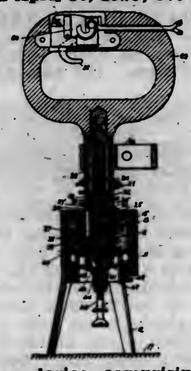

rubber during such treatment at a temperature of from 200° F. to 300° F.

2,115,706
**THERMAL SYSTEM**
Edward S. Cornell, Jr., Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application May 25, 1937, Serial No. 144,702
4 Claims. (Cl. 257—3)



1. The combination with a plurality of rooms, of thermal devices located in such rooms, central thermal means, piping interconnecting said central thermal means with said thermal devices respectively for the supply of a suitable thermal medium, means controlling the circulation and noncirculation of the thermal medium supplied by said central thermal means through said piping to said thermal devices, air motor and fan means associated with said thermal devices respectively, each of said air motors being operated under subatmospheric pressure, the intake of said air motors respectively communicating with the air of the room served by the associated thermal device, means common to the air motors for creating subatmospheric pressure, piping interconnecting the outtakes of said air motors with said common means, thermostatic means responsive to predetermined maximum and predetermined minimum temperatures of any of said rooms, and means associated with said thermostatic means controlling the operation and non-operation of said thermal medium circulation and non-circulation means respectively simultaneously with the operation and non-operation of said subatmospheric pressure creating means, whereby during the stage of operation of the respective thermal unit—air motor—fan means in the individual rooms the air of such rooms is circulated and vitiated portions thereof are withdrawn therefrom.

2,115,707
**PORTABLE DEVICE FOR END-WELDING**
John D. Crecca, United States Navy, and Samuel S. Scott, St. Albans, N. Y.
Application January 13, 1934, Serial No. 706,569
25 Claims. (Cl. 219—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. A welding device, comprising a supporting structure, an electrode holder, means movably mounted in said structure by which said electrode holder is carried and by which said holder may be positioned at a distance from a piece of work equal to the length of the desired arc between an electrode in said holder and said work, and means automatically to move said holder to bring the electrode carried thereby into contact with said work upon movement of said means to a predetermined position.

2,115,708
**COMPOSITION OF MATTER CONTAINING CELLULOSE DERIVATIVES**
Henry Dreyfus, London, England
No Drawing. Application February 8, 1934, Serial No. 710,346. In Great Britain February 17, 1933
11 Claims. (Cl. 106—40)

1. Compositions and articles containing a derivative of cellulose, selected from the group consisting of organic acid esters of cellulose, methyl cellulose, ethyl cellulose and benzyl cellulose, and an ester of a polycarboxylic acid, said ester containing groups of the formulae —COO.$R_1$OH and —COO.$R_2$O$R_3$, where $R_1$, $R_2$ and $R_3$ are saturated aliphatic hydrocarbon radicles.

2,115,709
**POLYCARBOXYLIC ACID ESTERS OF METHYLENE GLYCOL**
Henry Dreyfus, London, England
No Drawing. Application February 8, 1934, Serial No. 710,347. In Great Britain February 17, 1933
6 Claims. (Cl. 260—103)

1. Esters of polycarboxylic acids, said esters containing at least one acylated methylene glycol residue linked as an alcohol radicle to the acid radicle.

2,115,710
**MANUFACTURE OF COMPOSITIONS AND ARTICLES CONTAINING PLASTICIZABLE SUBSTANCES AND NEW PLASTICIZERS**
Henry Dreyfus, London, England
No Drawing. Original application February 8, 1934, Serial No. 710,347. Divided and this application February 4, 1937, Serial No. 124,823. In Great Britain February 17, 1933
11 Claims. (Cl. 106—40)

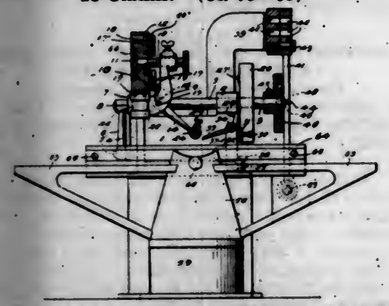
2. Compositions and articles containing organic derivatives of cellulose and esters of polycarboxylic acids, said esters containing at least one acylated methylene glycol residue linked as an alcohol radicle to the acid radicle.

2,115,711
**PROPELLER DRIVEN VEHICLE**
Thomas M. Finley, St. Louis, Mo.
Application May 20, 1935, Serial No. 22,467
35 Claims. (Cl. 244—73)



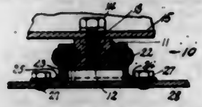
9. A propeller driven vehicle including a propeller, and a body having means forming an air tunnel extending through the body and arranged to receive the slip stream from the propeller and having walls excluding from the tunnel air pressure produced by the forward movement of the vehicle, said vehicle being also provided with means for feeding to the tunnel in rear of the propeller at the vacuum space between the slip stream of the propeller and the walls of the tunnel air free from pressure produced by the forward movement of the vehicle.

2,115,712
**SAW FILING MACHINE**
Thomas H. Gavin, New Orleans, La.
Application March 4, 1935, Serial No. 9,317
18 Claims. (Cl. 76—35)



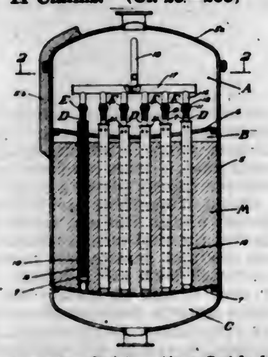
1. In a double-acting saw filing machine, having in combination, a frame, a shaft rotatably mounted thereon and having means for reciprocating a cross-head mounted in guide bars over the saw supporting means, a file-holder pivoted on the cross-head and having sockets secured therein for holding the file perfectly parallel with the guide bars, and the said sockets are adjustable so the file can be set relative the hook of the saw teeth, and forming an integral part of said file-holder is a follower which engages and co-acts with a cam having two bearing surfaces, one above the other, and which are parallel with the guide bars and file, and which have means for elevating the follower from the inner to the outer bearings and other means for allowing the follower to go from the outer to the inner bearing, whereby, rotation of the shaft imparts a horizontal reciprocating motion to the cross-head and simultaneously, horizontal and vertical movements to the file-holder and file, as shown by the arrows in Figure 13, other means are provided for moving the cam for regulating the downward thrust movement of the file relative the saw teeth.

2,115,713
**FLEXIBLE CONNECTER**
Homer H. Haire, Washington, D. C.
Application December 5, 1936, Serial No. 114,341
1 Claim. (Cl. 248—358)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A shear type flexible connecter comprising a cylindrical cushioning element having an internally and an externally projecting semicircular rib in unstressed condition, a cylindrical spool having a circular recess corresponding in size to the internal rib adapted to be inserted within said cylindrical cushioning element, and a cylindrical thimble having a channel corresponding in size and shape to the external rib adapted to be placed over the cylindrical rib whereby said ribs hold said cushioning element locked in between said spindle and spool for loading in shear distortion, and securing means in said spool and on said thimble.

2,115,714
**HEAT EXCHANGE APPARATUS**
Eugène J. Houdry, Philadelphia, Pa., and Thomas B. Prickett, Woodbury, N. J., assignors to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application February 26, 1935, Serial No. 8,262
11 Claims. (Cl. 23—288)

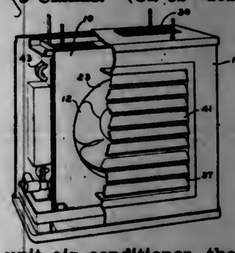


2. In a converter for treating fluids having an upright casing providing adjacent manifolding and reaction chambers, the manifolding chamber being adjacent the upper end of said reaction chamber, the combination therewith of apparatus adapted to effect heat interchange within said reaction chamber which comprises at least one manifold, adapted to conduct heat exchange



medium and made up of nested inlet and outlet conduits, located within said manifolding chamber, nested spur tubes connected to and extending at least approximately vertically from said manifold at intervals into said reaction chamber, thereby to provide for circulating heat exchange fluid in confined streams within said reaction chamber, said spur tubes being rigidly fastened only to said manifold, a partition member, having openings therethrough to permit the passage of fluids and to allow said spur tube to pass therethrough, extending approximately horizontally across said converter between said reaction chamber and said manifold, the openings in said partition member through which said spur tubes extend being substantially larger than said tubes, said beam-like member providing a plurality of supporting surfaces horizontally spaced from each other throughout the transverse dimensions of said casing, and said heat exchange apparatus, comprising said manifold and said spur tubes, being freely supported on said supporting surfaces so as to permit limited relative horizontal movement of said heat exchange apparatus with respect to other portions of the converter, thereby to avoid stresses due to unequal thermal expansions and contractions.

2,115,715
**AIR CONDITIONING APPARATUS**
Milton Kallecher, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 9, 1935, Serial No. 10,176
5 Claims. (Cl. 62—102)



1. In a unit air conditioner, the combination of an inner casing comprising a first wall having an outlet opening therein and adjacent walls disposed at an angle thereto, means extending upwardly from said inner casing for supporting the same in suspended manner, a temperature-changing element mounted in said inner casing in spaced relation to said first wall, a fan-motor unit comprising a fan and a motor for driving the same mounted on said first wall partly in said outlet opening, and an outer casing structure supported by the inner casing and comprising walls corresponding to the first wall and at least three of the adjacent walls of the inner casing and disposed in spaced relation thereto, the first wall of the outer casing structure having an outlet opening registering with the first-mentioned outlet opening.

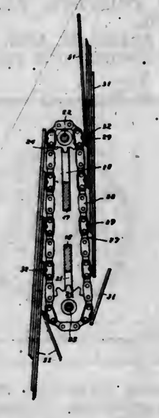
2,115,716
**PLASTICIZED PROLAMINE BASE COMPOSITION**
Donald W. Hansen, Decatur, Ill., assignor, by mesne assignments, to Prolamine Products Incorporated, Dover, Del., a corporation of Delaware
No Drawing. Application December 11, 1933, Serial No. 701,863
9 Claims. (Cl. 106—38)

1. A composition of matter useful in the form of films, filaments and coatings comprising a prolamine base, and an amino acid ester as a plasticizer and as an anti-blushing agent for avoiding the blushing effects produced by moisture upon the prolamine base composition in dry solid form.

2,115,717
**MANUFACTURE OF PROLAMINE COMPOSITION**
Donald W. Hansen, Decatur, Ill., assignor, by mesne assignments, to Prolamine Products Incorporated, Dover, Del., a corporation of Delaware
No Drawing. Application November 10, 1934, Serial No. 752,537
9 Claims. (Cl. 106—38)

1. A liquid coating composition comprising zein and a substantially non-volatile, neutral, organic plasticizer incorporated together with a neutral, organic, mutual solvent having a boiling point higher than 120° C.

2,115,718
**DISPLAY BOARD**
Oliver R. Hartzell, San Rafael, Calif.
Application May 13, 1935, Serial No. 21,083
17 Claims. (Cl. 40—97)

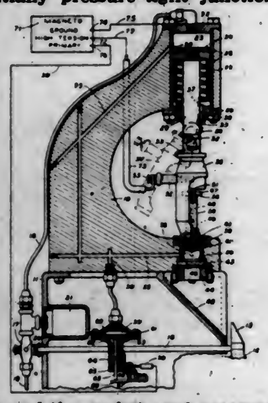


1. In a display device of the character described, a frame, a plurality of conveyors on said frame arranged in parallel spaced relation, a series of separate panels connected to each conveyor each bearing a display, and a driving mechanism connected to said conveyor to selectively move said conveyors separately or together.

2,115,719
**SPARK PLUG TESTER**
Ernest S. Holm and Lester A. Miller, Quincy, Mass.
Application November 30, 1937, Serial No. 177,283
11 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a spark plug tester, a compression chamber having an open end, a compressible gasket positioned in the chamber wall at said open end, a clamp for pressing a flange of a spark plug firmly against said gasket when the threaded end

of the plug is inserted in said chamber to provide a substantially pressure-tight junction between



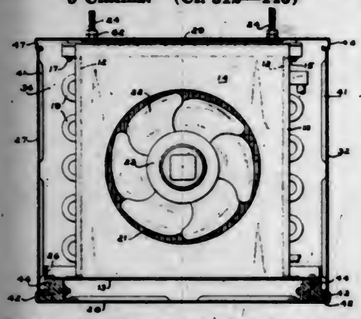
the flange and the gasket, and pressure operated means for operating said clamp.

2,115,720

**AIR CONDITIONING APPARATUS**

Richard E. Holmes, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 24, 1935, Serial No. 37,667
8 Claims. (Cl. 312—143)



1. In a casing structure, the combination of a chassis or supporting structure, bolts attached to and extending upwardly from the chassis whereby the latter may be suspended, a top wall having openings through which said bolts extend, vertical walls, a bottom wall, means for detachably mounting said vertical walls and said bottom wall on said chassis after the latter is installed, and concealed means for interlocking the upper edges of the vertical walls with the top wall upon downward movement of the latter.

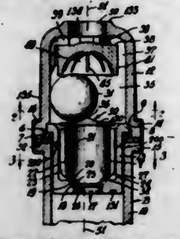
2,115,721

**NONREFILLABLE CLOSURE FOR BOTTLES AND OTHER CONTAINERS**

Gilbert Jackson, New York, N. Y., and Joseph F. Maher, Ridgefield Park, N. J.

Application October 3, 1936, Serial No. 103,810
1 Claim. (Cl. 215—22)

A non-refillable closure for bottles and containers to receive alcoholic beverages and spirituous liquors, said closure consisting of a substantially cylindrical ceramic casing having a nipple portion projecting inside of the bottle or container and having openings at the ends thereof to permit dispensing of liquid from the container, said casing including a valve to permit flow of liquid from the bottle when the bottle is inverted and to prevent flow when the bottle is upright, said valve being provided with a valve seat which is formed in said casing and with a locking device included in said casing, and said nipple of said



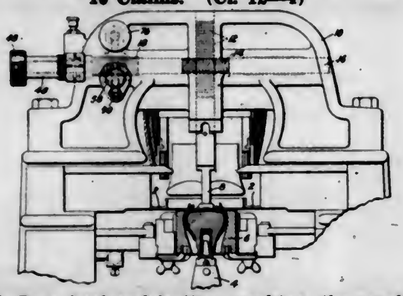
casing being provided with a plurality of capillary passages extending in curved lines through the sides of said nipple and beyond said valve seat to permit venting of the atmosphere within said bottle or container, but to prevent substantial passage of liquid.

2,115,722

**LASTING MACHINE**

Jacob C. Jorgensen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application May 21, 1937, Serial No. 144,008
10 Claims. (Cl. 12—4)



1. In a heel-end-lasting machine, the combination with heel-lasting wipers, of a holddown for engaging the bottom of the heel end of a shoe to determine the position of the shoe relatively to the plane of the wipers, means movable by the operator to adjust said holddown from a normal position in a direction to provide for less pressure of the wipers on the shoe in the wiping operation, and automatic means for returning the holddown to said normal position preparatory to the operation of the machine on the next shoe.

2,115,723

**EDGE-NOTCHING MECHANISM FOR BLANK-MAKING MACHINES**

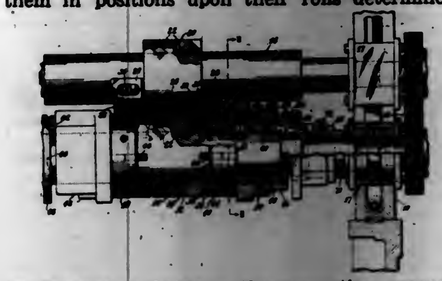
Cutler D. Knowlton, Beverly, Mass., assignor to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts

Application July 22, 1936, Serial No. 91,884
9 Claims. (Cl. 93—58.4)

1. In a blank-making machine, opposite rotatable rolls each having a section provided with an end gaging surface, a cutter-section carried by one roll, an abutment-section carried by the other roll and co-operating with the cutter-section, both the cutter-section and the abutment-section being provided with a gaging surface opposite that of the corresponding first-mentioned sections, and means associated with the cutter-



and abutment-sections and arranged to secure them in positions upon their rolls determined



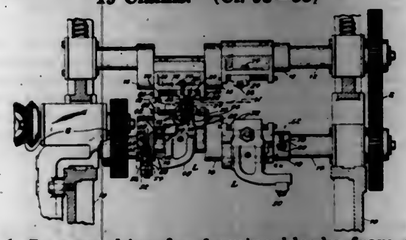
by the spaces between the respective opposed pairs of gaging surfaces.

2,115,724

**CREASING MECHANISM FOR BLANK-MAKING MACHINES**

Cutler D. Knowlton, Beverly, Mass., assignor to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts

Application August 27, 1936, Serial No. 98,109
19 Claims. (Cl. 93—58)



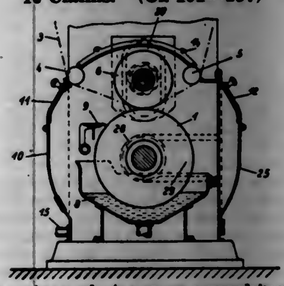
1. In a machine for forming blanks from advancing web-material, elongated supports with their maximum dimension extending in the direction of web-advance and movable longitudinally of and toward and from said web at opposite sides thereof, an inner creasing member extending along one support, outer creasing members movable upon the other support for co-operation with the opposite sides of the inner member, these creasing members extending longitudinally of their supports, and a movable actuating member by which the outer creasing members are moved upon their support.

2,115,725

**ROTARY PRINTING MACHINE**

Paul Koch, Plauen, Germany

Application July 10, 1936, Serial No. 89,869
In Germany July 13, 1935
10 Claims. (Cl. 101—157)



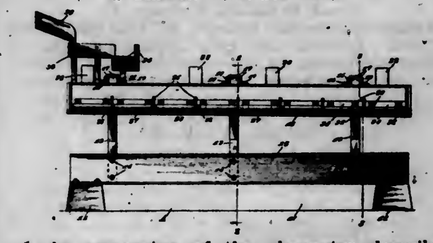
1. In a rotary photogravure machine, a printing cylinder, an impression cylinder, and a casing completely and closely enclosing said printing cylinder and said impression cylinder.

2,115,726

**AMALGAMATOR AND CONCENTRATOR**

Martin W. Kroll, Columbus, Mont., assignor of one-half to M. Lloyd Parcells, Columbus, Mont.

Application December 16, 1935, Serial No. 54,756
2 Claims. (Cl. 209—67)



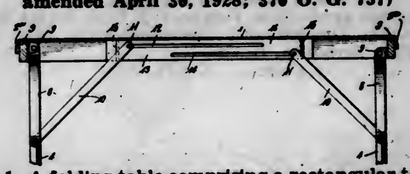
1. An apparatus of the character described comprising a substantially half circular trough, spaced riffles within and transversely of said trough forming a plurality of relatively wide pockets therein, spaced tracks fitted transversely within the pockets following the half circular formation of the trough and elevated above the bottoms of said pockets, rollers free in said pockets, guided by the riffles and movable upon the tracks to be spaced from the bottoms of said pockets, and amalgamating plates between the bottom of the trough and said tracks to be free from contact with the rollers.

2,115,727

**FOLDING TABLE**

George A. Lenz, Fort Sill, Okla.

Application September 8, 1937, Serial No. 162,879
4 Claims. (Cl. 311—77)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A folding table comprising a rectangular top, a flange depending from its edges consisting of two oppositely arranged leg mounting portions and two oppositely arranged guide supporting portions, independently mounted legs pivotally supported on the leg mounting portions of the flanges at the corners of the table, the pair of legs at one side of the table being mounted on a plane beneath that of the pair of legs on the opposite side of the table a distance equal to the thickness of the legs and adapted to fold flat against the under face of the table top, one of said pairs of legs when folded resting beneath the oppositely mounted pair of legs, swinging braces rigidly mounted at their lower ends on the legs and pivotally mounted at their upper ends on the leg mounting flanges in line with their respective leg pivots and adapted to swing with the leg into extended position and brace same in line with its leg mounting flange and into folded position, guide plates mounted on the guide supporting flanges having upper and lower slots therein,

traveling leg braces pivotally mounted at their lower ends on their respective legs and having pins at their upper ends to operate in said slot as the legs are swung from folded to extended positions adapted to brace the legs at right angles to said swinging braces, means arranged at the ends of said slots to lock said pins in leg extended positions and means for tripping said locking means.

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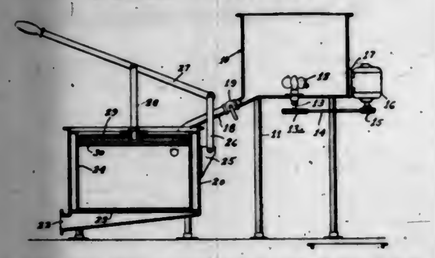
2,115,728

**PROCESS OF FILTERING EGGS**

Frank B. Lomax, Chicago, Ill.

Original application January 26, 1935, Serial No. 3,602. Divided and this application May 7, 1936, Serial No. 78,337

4 Claims. (Cl. 99—113)



1. The process of filtering eggs which comprises collecting a mass of broken egg material containing egg meats, chalaza, shell fragments, lumps and the like in a perforate container, compressing the mass to force egg meats through the perforations of the container while retaining the shell fragments, lumps and the like within the container, and scraping the container walls during the compression step to clean said walls and disintegrate chalaza collected thereon for passage therethrough.

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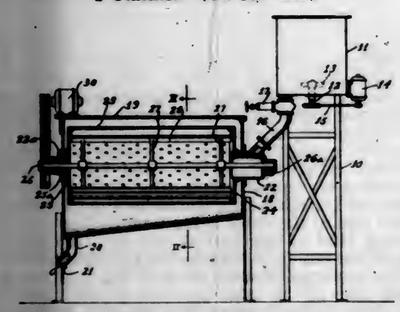
2,115,729

**PROCESS OF FILTERING EGGS**

Frank B. Lomax, Chicago, Ill.

Original application February 7, 1935, Serial No. 5,229. Divided and this application May 7, 1936, Serial No. 78,338

4 Claims. (Cl. 99—113)



1. The process of filtering eggs by gravity which comprises draining a mass of broken egg material containing egg meats, chalaza, shell fragments, lumps and the like into a member having a foraminous wall adapted to withhold shell fragments, lumps and unbroken chalaza thereon while permitting the passage of egg meats therethrough, allowing layers of the egg material to build up on said wall and form a filter bed and intermittently scraping off said layers while simultaneously pressing the egg meats through the foramina of the wall.

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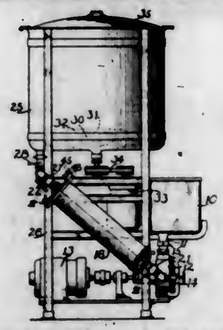
2,115,730

**PROCESS OF TREATING EGGS**

William L. Lomax, deceased, late of Chicago, Ill., by Frank B. Lomax, administrator, Chicago, Ill.

Application October 31, 1936, Serial No. 108,510

10 Claims. (Cl. 99—113)



10. The process of filtering egg material which comprises impelling egg material by a pressure greater than atmospheric pressure through a foraminous barrier, forming cylindrical filter layers on opposite sides of the barrier with chalaza and foreign matter removed from said egg material, and maintaining a back pressure against said barrier.

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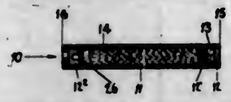
2,115,731

**MULTIPLE COMPARTMENT AMPULE AND HYPODERMIC SYRINGE**

Matthew Lozier, Brooklyn, N. Y., and Clayton H. Frost, Union, N. J., assignors, by direct and mesne assignments, to Cook Laboratories, Inc., New York, N. Y., a corporation of Delaware

Application February 4, 1937, Serial No. 124,010

8 Claims. (Cl. 128—215)



1. In a multiple compartment ampule of the class described comprising a tubular outer member and three spaced disks frictionally secured in sealing relation therein to form separated liquid compartments hermetically sealed from each other, said disks being at least partially centrally intact and being pierceable, all of said disks being of the same diameter throughout their length and being entirely inside said tubular member, two of said disks being in closely spaced relation at one end and one of said disks being positioned inwardly of the opposite end to form an open space at said end, the length of said end space being substantially the same as the distance between said closely spaced disks, said end space being substantially filled by said inwardly positioned disk by outward movement thereof to permit transferrence of the liquid from the compartment between said closely spaced disks into the lengthened adjacent compartment when said closely spaced disks are successively perforated, both end disks being movable simultaneously and equally while the intermediate disk remains fixed during said liquid transferrence.



2,115,732

**ALLOY AND MANUFACTURES**

Vsevolod Nicholas Krivobok, Pittsburgh, Pa., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware

No Drawing. Application January 20, 1934, Serial No. 707,613. Renewed January 8, 1938

9 Claims. (Cl. 75—128)

1. In a composition of matter of the class described, high temperature duty iron or steel essentially austenitic in structure, of good working characteristics and of good resistance to the corrosive effects of sulphur bearing gases and vapors at high temperatures, containing as essential ingredients 10 per cent to 25 per cent chromium, 7 per cent to 15 per cent nickel, 1 per cent to 5 per cent molybdenum, .5 per cent to 5 per cent cobalt, .03 per cent to .4 per cent carbon, and the balance substantially all iron.

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2,115,733

**ALLOY AND MANUFACTURES**

Vsevolod Nicholas Krivobok, Pittsburgh, Pa., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware

No Drawing. Application June 25, 1935, Serial No. 28,275

10 Claims. (Cl. 75—128)

1. In a composition of matter of the class described, alloy iron or steel which possesses a good length of life under high temperature conditions, said alloy iron or steel comprising as essential ingredients, approximately, 10 per cent to 25 per cent chromium, 7 per cent to 15 per cent nickel, .5 per cent to 3 per cent cobalt, .5 per cent to 4 per cent molybdenum, .5 per cent to 4 per cent manganese, .03 per cent to .2 per cent carbon, and the balance substantially all iron.

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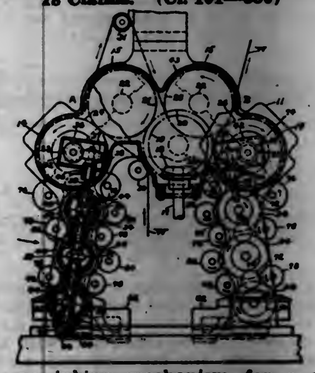
2,115,734

**INKING MECHANISM FOR PRINTING MACHINES**

Frederick Lamatsch, Grantwood, N. J., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application October 23, 1934, Serial No. 749,637

18 Claims. (Cl. 101—350)



1. In an inking mechanism for a printing couple including a plate cylinder and an impression cylinder, a plurality of rotary ink distributing cylinders, means for supplying ink to one of the cylinders, means for axially reciprocating the ink distributing cylinders so that only one cylinder is axially stationary at a time and the reciprocatory impulses of the cylinders being equally separated so that the cylinders follow each other through similar cycles of operation during equal periods of operating time, to maintain a constant balanced load on the said ink distributing cylinder reciprocating means, ink distributing rollers operably engaging the ink distributing cylinders and coacting therewith to spread the ink in a uniform film, and means for conveying the ink film to the plate cylinder.

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2,115,735

**PRETREATMENT OF CELLULOSE PREPARATORY TO ACYLATION**

Carl J. Malm, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application March 28, 1931, Serial No. 526,121

15 Claims. (Cl. 260—101)

1. A process of preparing cellulose for acylation which comprises treating cellulose with a bath comprising a lower fatty acid and a lower fatty acid anhydride in the ratio of approximately one molecular proportion of anhydride (calculated as full strength) for each molecular proportion of water which is present in the cellulose and in the said bath.

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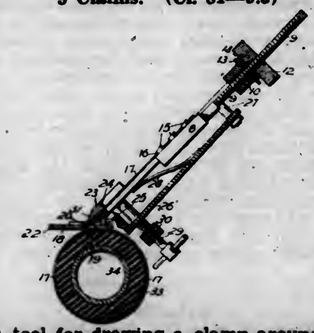
2,115,736

**TOOL FOR APPLYING HOSE CLAMPS**

Michael J. McAneny, Denver, Colo., assignor to Michael J. McAneny, Jr., Denver, Colo.

Application November 12, 1936, Serial No. 110,479

5 Claims. (Cl. 81—9.3)



1. A tool for drawing a clamp around a hose, comprising a supporting frame, a slide on the frame, having clamp-engaging means, actuating means for the slide, a knife carrier on the frame movable toward and from the frame, a plate at one end of the frame provided with a cutting edge, a cutter on the carrier cooperating with said plate to sever the clamp, and means for operating the knife by movement of the carrier.

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2,115,737

**PROCESS AND APPARATUS FOR MEASURING RUNNING WEBS**

Johannes Menschner, Rosswein, Germany

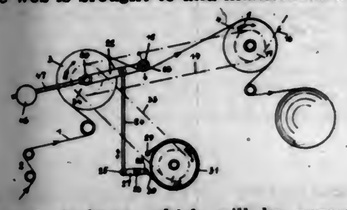
Application June 12, 1934, Serial No. 730,277

In Germany June 14, 1933

6 Claims. (Cl. 33—129)

1. The process for measuring running webs which includes submitting the web to a tensioning treatment, supplying and drawing off the web, slackening the tensioned web by making the speed of its supply greater than the speed with which it is drawn off, regulating the speed with

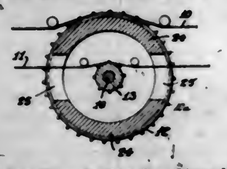
which it is supplied in accordance with the extent of the slackened portion of the web, whereby the web is brought to and maintained at that



degree of slackness which will be normal for commercial use of the material, and measuring the web while in its slackened condition.

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**2,115,738**
**FILM FEEDING MECHANISM**
**William J. Morrissey, Brooklyn, N. Y.**
**Original application June 3, 1933, Serial No. 674,127. Divided and this application March 28, 1934, Serial No. 717,785**
**6 Claims. (Cl. 271—2.3)**



1. In a film feeding device for films having perforated sprocket holes formed therein, a drum like stationary member adapted to support the film passing thereover, a circular rotatable member having sprocket teeth extending radially therefrom to engage said holes, said rotatable member being concentric with said stationary member and of such diameter relative to the stationary member that the roots of said sprocket teeth remain out of contact with the film and means for rotating said second member thereby moving the film over said first or supporting member, whereby the frictional engagement of the film with said supporting member dampens out statically uneven motion such as tooth ripple.

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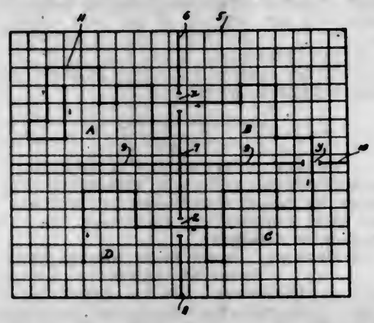
**2,115,739**
**PROCESS OF MAKING RED PIGMENTS**
**Kenneth S. Mowlds, Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio**
**No Drawing. Application June 1, 1934, Serial No. 728,539**
**4 Claims. (Cl. 134—58)**

1. The step in the process of preparing a cadmium sulfo-selenide pigment, which comprises heating a crude cadmium sulfo-selenide pigment containing free selenium at 115° to 450° C. and 1,000 to 40,000 pounds per square inch pressure.

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**2,115,740**
**WORK OR TEST SHEET**
**Paul William Nesbit, Walsenburg, Colo.**
**Application February 20, 1934, Serial No. 712,182**
**2 Claims. (Cl. 35—22)**

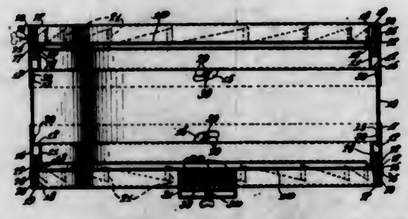
1. A knowledge testing device of the character described comprising a plate having its upper surface constructed with intersecting lines defining points, transverse and longitudinal intersecting linear members on said upper surface arranged parallel to but displaced laterally with respect to some of said lines and dividing said upper surface into a plurality of compartments, said transverse linear member being formed with openings one at each side of said longitudinal member and constituting gates establishing communication between adjacent compartments on the same sides of said longitudinal member, said longitudinal member being formed with an opening at one side only of said transverse linear member and constituting a gate establishing communication between two of said compartments on the same side of said transverse member, said gates being arranged with respect to certain of



said points whereby a continuous line leading from a point in one of said compartments constituting a starting point may be drawn continuously through others of said points in a manner to pass through all of said gates and into said compartments without crossing any portion of said transverse and longitudinal linear members, the starting point and the others of the points through which said line passes being determined in position by reference to a table containing correct and incorrect written or printed answers each including a point designation orientated only with respect to the preceding point met by said line.

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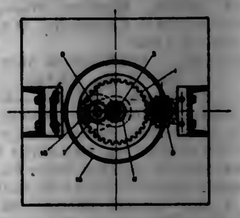
**2,115,741**
**ORCHESTRA OR STREET DRUM**
**Sidney H. Newberry, Laurel Springs, N. J.**
**Application April 7, 1936, Serial No. 73,104**
**5 Claims. (Cl. 84—411)**



1. In a drum and the like, a shell comprising a main body having an inset end projection, a head engaged over said projection and having a ring, an annular member having connection with the end of said main body and provided with a reverted portion extending inwardly and downwardly toward the head where it engages with the projection forming a substantially closed channel, means carried by said annular member between the downwardly extending portion and the wall of said annular member and engaging the ring to tighten said head.



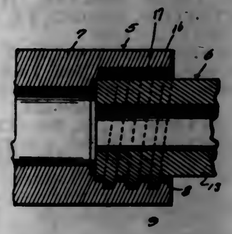
**2,115,742**
**MIXING**
**Roger H. Newton, near Sheffield, Ala.**
**Application September 10, 1936, Serial No. 100,147**
**8 Claims. (Cl. 259—102)**
**(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G.)**



1. In an apparatus for mixing materials, the combination which comprises a receptacle with cylindrical side wall, a base affixed to the bottom of the side wall, and an outlet through the base; four stationary blades affixed to the base of the receptacle and uniformly spaced between the vertical axis and the side wall of the receptacle; a rotating blade assembly comprised of four vertical blades; and a means for supporting and driving the rotating blade assembly such that in one complete cycle of the assembly each of the vertical blades thereof moves in a looped epitrochoidal path, as an inscribed projection upon the base of the receptacle; with the stationary blades of such a size and shape and so positioned within the looped epitrochoidal paths of the rotating vertical blades, and the rotating vertical blades of such a size and shape and so positioned that in one complete cycle of the rotating vertical blades in their looped epitrochoidal paths, the cross sections of all of the rotating blades cover substantially all the cross section of the interior of the cylindrical receptacle except that occupied by the stationary blades.

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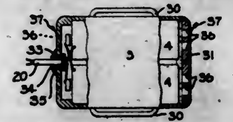
**2,115,743**
**INTERLOCKING ASSEMBLY**
**Thomas Niblett, Carvel Beach, Curtis Bay, Md.**
**Application May 14, 1937, Serial No. 142,713**
**1 Claim. (Cl. 285—149)**



A connector of the character described comprising a female unit provided with a spiral grooveway therein, longitudinally extending channels intersecting the grooveway, a helical member threaded into the said grooveway and having reducements at the inner side of its convolutions, a male unit provided with a spiral grooveway thereon, longitudinally extending channels on the male unit intersecting the said spiral grooveway, and a helical member threaded into the said spiral grooveway of the male unit and provided with reduced portions at the outer side of its convolutions.



**2,115,744**
**ILLUMINATING DEVICE FOR SWIMMERS**
**William J. Orland, Seattle, Wash.**
**Application March 24, 1936, Serial No. 70,641**
**2 Claims. (Cl. 136—114)**



1. A power source for an illuminating device to be worn by a swimmer, comprising a normally inactive cell incorporating a shell open at one end and having apertures in its other end for admission of water to activate the cell, a case adapted to receive said cell having a closed end and having apertures in its opposite end disposed to register with the apertures in said cell's shell when the open end of the shell is disposed adjacent to the closed end of the case, and ribs formed on the inner face of the case and extending lengthwise thereof to engage the shell and to space it from portions of the sides and the apertured end of the case, to leave passages for water entering through the case apertures to flow freely along the cell to the closed end of the case and to enter the cell through the open shell end.

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**2,115,745**
**CONTAINER**
**John Ernest Page, Sydney, New South Wales, Australia, assignor to President and Directors of The Manhattan Company, a corporation of New York, as trustee**
**Application August 11, 1934, Serial No. 739,408**
**In Great Britain October 30, 1933**
**6 Claims. (Cl. 229—5.5)**



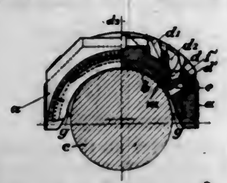
1. A knockdown container of the character described, comprising a tubular body member, an end closure snugly fitting within said body member, said end closure having a series of spaced openings therein entirely surrounded with the material of said end closure, tabs extending from one end of said body member, all of said tabs extending inwardly against the outside face of said end closure with the free ends thereof extending through said openings, and a flat relatively stiff oversize disc positioned within said body member operative to retain the body member and end closure in assembled set up position, said tabs having an exterior portion the side edges of which substantially abut one another when said tabs are turned inwardly.

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**2,115,746**
**LUBRICATED AXLE BEARING**
**Walter Peyinghaus, Egge, near Volmarstein-on-the-Ruhr, Germany**
**Application May 10, 1929, Serial No. 362,114**
**In Germany May 11, 1928**
**10 Claims. (Cl. 308—79.1)**

1. A journal bearing having means for reducing static as well as sliding friction therein, said

means including the bearing body having upon its inner face a plurality of side distributing grooves, oil feeding passages extending from the upper face of the bearing and opening into the grooves,



and upwardly extending oil cavities at the junction of said passages with the side grooves and having walls so disposed as to compel delivery of the oil passing through said oil feeding passages to the axle above its horizontal center.

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2,115,747

**PAPER MANUFACTURE**

**Harold Robert Rafton, Andover, Mass., assignor to Raffold Process Corporation, a corporation of Massachusetts**

No Drawing. Application January 21, 1933, Serial No. 652,919

12 Claims. (Cl. 24—24)

1. In a process of manufacturing paper filled with alkaline filler wherein there is provided a water-containing paper web which contains alkaline filler comprising calcium carbonate and rosin sizing, and wherein heat from a heat source above room temperature is supplied to said water-containing web to effect drying thereof, the improvement which comprises maintaining said web, from the time of formation thereof until at least the major part of the drying thereof has been effected, at a temperature not exceeding 75° C.

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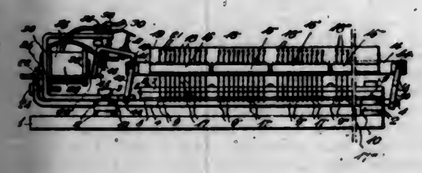
2,115,748

**ELECTROMAGNETIC CONTROL APPARATUS**

**William H. Reisner, Hagerstown, Md., assignor to The W. H. Reisner Manufacturing Company, Hagerstown, Md., a corporation of Maryland**

Application March 9, 1935, Serial No. 10,298

4 Claims. (Cl. 200—104)



1. Electrical control apparatus comprising a base, a pivotally mounted supporting bar adjacent each end of said base, a contact carrying bar pivotally mounted on the free ends of said supporting bars, the assembly forming a substantially parallelogram arrangement for longitudinal movement of said contact carrying bar; an electromagnetic actuating device mounted on said base adjacent one end thereof, and including an armature operatively connected with the supporting bar mounted at said end for effectively controlling the movement of said contact carrying bar, and means for adjusting the operation of said electromagnetic actuating device with respect to said contact carrying bar comprising means for adjusting the position of said device including the armature and the said supporting bar operatively associated therewith as a unit.

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2,115,749

**METHOD OF COATING FERROUS ARTICLES**

**Michael M. Rubin, Warren, Ohio, assignor to The Thomas Steel Company, Warren, Ohio, a corporation of Ohio**

No Drawing. Application May 8, 1936, Serial No. 78,724

2 Claims. (Cl. 204—8)

1. The method of coating ferrous strip and the like which comprises continuously moving and consecutively subjecting the strip to the action of a copper electro-plating bath to form a coating of copper directly thereon and then to the action of a zinc electro-plating bath to form a coating of zinc directly on the copper and finally to heating at a temperature of about 700° F. to about 1500° F. in an non-oxidising atmosphere, for from about 10 to about 30 minutes, whereby to cause an alloying of the copper and zinc to form a non-peeling coating of brass.

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2,115,750

**METHOD OF COATING STRIP STEEL AND PRODUCTS THEREOF**

**Michael Rubin and Ralph E. Alexander, Warren, Ohio, assignors to The Thomas Steel Company, Warren, Ohio, a corporation of Ohio**

Application July 13, 1936, Serial No. 90,298

4 Claims. (Cl. 204—14)



1. The method of coating steel strip and the like which comprises consecutively subjecting the strip to the action of a nickel plating bath to form a coating of nickel thereon and to heating at a temperature of from about 1100° F. to about 1800° F. in a non-oxidizing atmosphere, whereby to form a solid solution zone at the contiguous surfaces of the steel strip and nickel.

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2,115,751

**METAL COMPOUNDS OF NUCLEOPROTEINS AND OF THEIR ORGANIC HYDROLYTIC DECOMPOSITION PRODUCTS AND METHOD OF MAKING SAME**

**Simon L. Ruskin, New York, N. Y., assignor to Francis R. Ruskin, New York, N. Y.**

No Drawing. Application January 4, 1933, Serial No. 650,137

10 Claims. (Cl. 260—11)

1. As a therapeutic agent, a compound of tin and a radical of the group consisting of nucleoproteins, nucleic acids, nucleotides and the lower hydrolytic decomposition products containing a pyrimidine ring in the molecule.

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2,115,752

**RUBBER SPREADING MACHINE**

**Anthony Samuel Stumpp, Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**

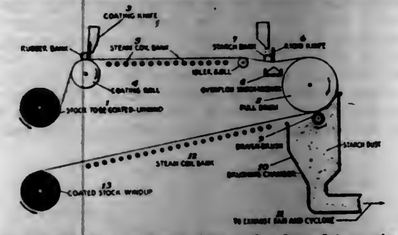
Application September 1, 1934, Serial No. 742,431

3 Claims. (Cl. 91—18)

1. A machine for coating and finishing rubber composition coated fibrous base material comprising an unbatch roll, a coating knife for applying a rubber composition, means for drying



the spread composition, a knife for spreading an excess of starch on the rubber composition, a brush for removing the excess starch, means for



withdrawing the starch from the brushing stage, and means to heat the coated material after it has left the said brush.

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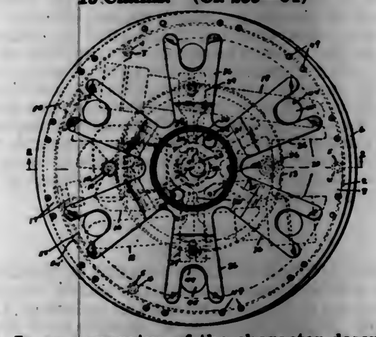
2,115,753

**COCKTAIL MIXER AND GLASS COOLER**

**Harry W. Talbot, San Francisco, Calif.**

Application February 3, 1936, Serial No. 62,166

15 Claims. (Cl. 259—54)



1. In an apparatus of the character described, a casing having a bottom and side walls, a top plate covering said casing, means supporting said top plate clear of said casing for bodily movement in a horizontal plane, means for holding drinking glasses upon the top plate, an electric motor within the casing, a gear train from the motor, an eccentric operated by the gear train, and means transmitting motion from said eccentric to said top plate arranged and adapted to cause the plate to be oscillated in a horizontal direction in a generally elliptical path of travel.

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2,115,754

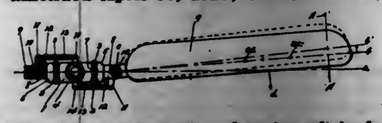
**ROTATIVE WING SYSTEM**

**Sidney P. Vaughn, United States Navy, Ackerman, Miss.**

Application June 24, 1935, Serial No. 28,159

7 Claims. (Cl. 244—18)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A rotative wing system for aircraft including in combination a hub, blades articulated to the hub, each blade being pivoted to oscillate independently of the other blades in its own plane of rotation about the axis of the hub, means for limiting the oscillation of each blade in the direction of rotation to a position determined by the resultant of the centrifugal and drag forces acting upon the blade when rotated in still air, and a resilient member connecting the hub and blade for absorbing shock when the driving torque is suddenly increased.

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2,115,755

**METHOD OF MAKING A RADIOGRAPHIC DIAPHRAGM**

**Julius B. Wantz, River Forest, and Arthur J. Kizaur, Cicero, Ill., assignors to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York**

Application January 31, 1936, Serial No. 61,718

4 Claims. (Cl. 250—34)



1. The method of making a diaphragm having accurately angulated strips for radiographic purposes, which consists in fabricating a board or stock sheet comprising parallel laminations, cutting from said board progressive strip sections in which the angulation of the strip sections progressively varies, the strips of each section having a common angulation, pressing each strip section separately to progressively vary the angulation of the strips throughout each section and then assembling the sections.

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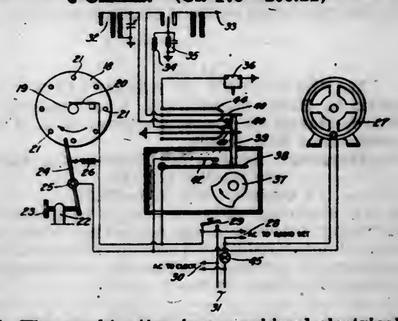
2,115,756

**COMBINED RADIO-PHONOGRAPH TIME CONTROL METHOD AND MEANS**

**Ray Belmont Whitman, Essex Fells, N. J., and Edward H. Haan, Chicago, Ill.**

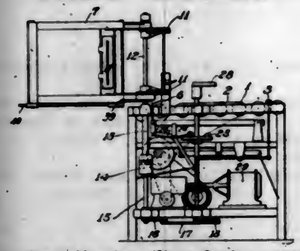
Application September 14, 1934, Serial No. 744,044

6 Claims. (Cl. 179—100.11)



1. The combination in a combined electrically-operated radio-repeating phonograph instrument of current-conducting and contacting means including a time switch comprising a rotary disc, spaced laterally-projecting contacts on the disc, and a flexible contact arm, and an electric clock adapted to operate said disc and including connecting means for said elements by which the radio may be disconnected and the phonograph connected at a given time interval and the phonograph disconnected and the radio connected at another given time interval.

2,115,757
**CARTON STENCILING DEVICE**
Seth L. Winslow, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 11, 1936, Serial No. 90,106
4 Claims. (Cl. 101—123)



1. An automatic stenciling device comprising a conveyor belt for conveying the carton to be stenciled into position, guide rails, means for pressing the guide rails against the carton, a rotatable stencil holder mounted on a vertical shaft, means for rotating the said stencil against the end of a carton and mechanical means for moving a brush across the face of the stencil whereby a legend is stenciled on the carton.

2,115,758
**SULPHONATED ALKOXY SUBSTITUTED ARYLIDES OF THE HIGHER FATTY ACIDS**
Alfred William Baldwin, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 2, 1935, Serial No. 47,979. In Great Britain November 12, 1934
7 Claims. (Cl. 260—124)

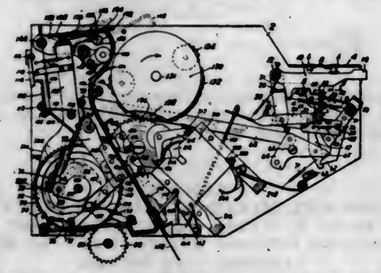
7. A process for the manufacture of wetting, cleansing and dispersing agents which comprises oleylating alkoxy arylamine monosulphonic acids of the benzene series which contain no more than two carbon atoms in the alkoxy group with oleic acid chloride in an aqueous alkaline medium.

2,115,759
**MANUFACTURE OF RADIO TUBES**
Francis E. Bash, Morristown, N. J., assignor to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application February 3, 1937, Serial No. 123,849
7 Claims. (Cl. 250—27.5)

4. An electrode element for a vacuum tube comprising a precipitation hardening alloy consisting of substantially .25 percent titanium, substantially .25 percent magnesium, substantially .30 percent carbon, balance nickel.

2,115,760
**TICKET ISSUING MACHINE**
Horace Drummond Black, Farnham Royal, and Alexander A. C. Degen, Harrow, England, assignors to Bell Punch Company Limited, London, England, a corporation of Great Britain
Application October 31, 1935, Serial No. 47,562
11 Claims. (Cl. 164—48)

1. A ticket issuing machine comprising means for feeding a ticket strip to issue one or more tickets in a cycle of operation; a knife for severing individual tickets from the strip, said knife being in its strip-severing position at the beginning of a cycle; a motor; connections through which the motor may drive said strip feeding means and actuate the knife, said connections including a clutch; clutch controlling means; a switch controlling operation of the motor; means whereby said switch is closed by the clutch controlling means at the beginning of a cycle; means for moving the knife to its inactive position during the early part of the portion of the issuing



operation for each ticket; means whereby the knife in such position is operative to maintain the switch closed; means for moving the clutch controlling means during the issue of each ticket to the position which it occupies in disengaging the clutch and in which it is inoperative to maintain the switch closed, said position being occupied during the issue of the tickets of a series preceding the last only when the knife is in its inactive position; and means for actuating the knife to cut the strip.

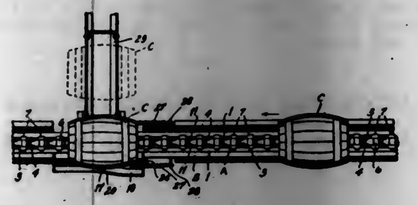
2,115,761
**DIRECTIONAL WIRELESS AERIAL SYSTEM**
Alan Dower Blumlein, Ealing, London, England, assignor to Electric and Musical Industries Limited, Hayes, England, a company of Great Britain
Application February 25, 1936, Serial No. 65,555
In Great Britain February 28, 1935
10 Claims. (Cl. 250—33)



1. An aerial array for radio transmission and reception comprising a first aerial element, and a second aerial element consisting solely of a tubular conductor and a coaxially positioned inner conductor, said tubular conductor being arranged to radiate or receive more than said inner conductor, and said second element being constructed and arranged to constitute a feeder of electrical energy for said first element.

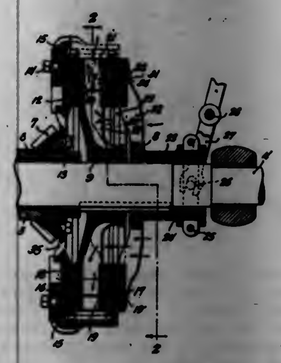


2,115,762
**CONVEYER**
William J. Bahn, St. Louis, Mo., assignor to Alvey Conveyor Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application October 23, 1936, Serial No. 107,125
8 Claims. (Cl. 198—21)



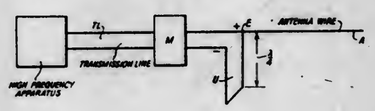
1. In a conveyer having a conveying element, mechanism for removing articles from the moving conveying element comprising a carriage movable longitudinally of said element, a member movably mounted on said carriage and extending into the path of the articles on said element, said member being adapted to be moved into engagement with said element by the pressure of an article thereagainst and to be disengaged from said element when such pressure is released, and a member movably mounted on said carriage and actuated by the movement of said carriage with said element to remove said article from said element.

2,115,763
**CLUTCH**
Paul Burke, Green Bay, Wis., assignor to Northwest Engineering Corporation, Green Bay, Wis., a corporation of Wisconsin
Application March 17, 1937, Serial No. 131,320
2 Claims. (Cl. 192—113)



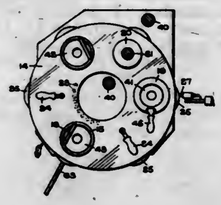
1. In a clutch, the combination of a driving shaft, a driven clutch element having spaced friction disks, an annular driving clutch element mounted on said shaft and having surfaces engageable with said friction disks and spaces between said surfaces with an air inlet at its smaller diameter and air outlets at its larger diameter, said spaces being formed by a series of radially disposed ribs extending different distances from its inner and outer diameters to form impeller vanes to induce a flow of cooling air through said spaces.

2,115,764
**TRANSMISSION LINE SYSTEM**
Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 13, 1936, Serial No. 110,598
4 Claims. (Cl. 250—33)



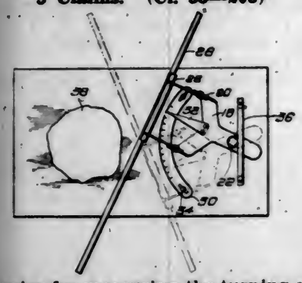

1. An antenna comprising a wire, a two-wire transmission line having one of its wires connected to one end of said antenna wire and its other wire connected through an electrically conducting loop having an overall length substantially an odd multiple of half the communication wave to said same end.

2,115,765
**MEANS FOR THE MANUFACTURE OF MOLDED GLASSWARE**
Philip Victor Willingham Gell, Birmingham, England, assignor to The British Heat Resisting Glass Company, Limited
Application February 12, 1936, Serial No. 63,517
In Great Britain February 19, 1935
1 Claim. (Cl. 49—35)



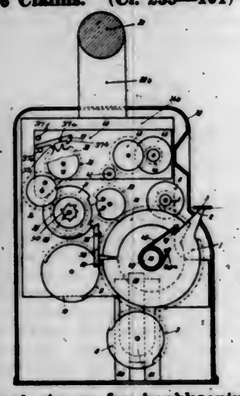
Apparatus for molding glass comprising an outer mold having an opening, an inner die located in said opening, said inner die comprising two members pivoted together on an axis below said opening and transverse to the centre line of the outer mold, said members being extended below said pivot, means for producing relative endwise movement between said inner die and the outer mold consisting of a pin mounted for endwise sliding movement and adapted to engage between the extended parts of said members, a sleeve associated with said pin for engaging around the extended parts of said members, a stop to limit the sliding motion of the pin, a spring operating between said sleeve and a shoulder on the pin, and means for moving said sleeve in an endwise direction so as to raise the sleeve and pin for a limited distance, after which said sleeve makes a further upward movement and engages said extended parts of the die members so as to rock said members on their pivot.

2,115,766
**WHEEL TURNING GAUGE**
George M. Graham, Detroit, Mich., assignor to Hinckley-Myers Company, Jackson, Mich., a corporation of Michigan
Application January 15, 1936, Serial No. 59,169
5 Claims. (Cl. 33—203)



1. A device for measuring the turning angles of vehicle dirigible wheels comprising, in combination, a base plate, a member pivotally secured to said base plate for movement about a vertical axis, a scale carried on the top surface of said base plate, means for adjusting said scale in an arcuate path about the vertical axis of said member as a center, reference indicating means carried by said member for indicating on the scale the amount of turning movement of the member, a U-shaped structure having the arms thereof pivotally secured to said member about a horizontal axis and arranged for swinging movement toward and away from the wheel being tested, the closed end of said U-shaped structure being shaped to receive a rod and permit longitudinal slidable movement of said rod.

2,115,767
**CONTROL STAMP**
Franz Gruttmann, Cologne, Germany
Application September 11, 1935, Serial No. 40,037
In Germany September 13, 1934
6 Claims. (Cl. 235—101)



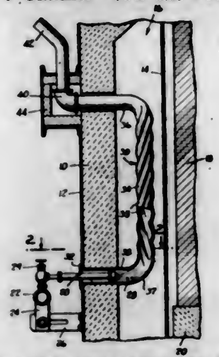
1. A control stamp for bookkeeping purposes provided with an adding mechanism, comprising, in combination, a casing, means dividing said casing into several compartments, a stamping and adding mechanism in one of said compartments, a drive for the adding mechanism in another compartment, guide rails secured to the casing and permitting vertical downward motion of the stamping mechanism against spring action, spring actuated side rails vertically displaceable on said means dividing the casing, a handle connecting said side rails and adapted to be depressed, a plurality of adjusting and type wheels cooperating with said stamping mechanism, and spring-actuated locking means cooperating with said stamping mechanism and handle and disposed in a third compartment of said casing, said locking means being adapted to engage one another to hold the stamping mechanism in an inoperative raised position and to release it for printing only during depression of said handle.

2,115,768
**AUTOMOBILE WHEEL COVER FASTENER**
Jules Haltenberger, Indianapolis, Ind.
Application June 10, 1935, Serial No. 25,773
2 Claims. (Cl. 292—256)



2. A clamp, adapted to be used on a closure for a downwardly open wheel-exposing opening defined by a curved edge in a depending outside wall of a vehicle, including a reach, retaining means for said closure including an angularly disposed portion near the end of the reach having means adapted to engage and clamp said depending wall above said edge, a guide bracket fixed to said closure and provided with an opening for the reception of the wall engaging end of said reach, crank operating means at the opposite end of said reach and means releasably securing the crank and reach against closure releasing movement.

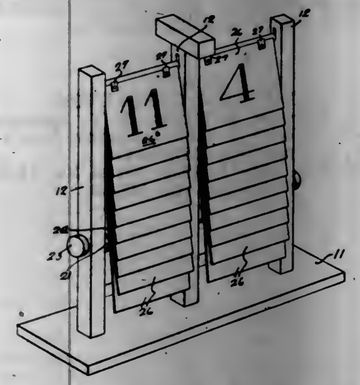
2,115,769
**RADIANT HEATING TUBE**
Henry H. Harris, Champaign, Ill.
Application August 22, 1936, Serial No. 97,340
7 Claims. (Cl. 126—91)



1. A heating tube having a principal longitudinal portion provided with interior spiral corrugations, and having a transversely extending entrance end portion provided with oblique deflecting means angled in the same rotational direction as the spiral corrugations of the principal longitudinal portion.

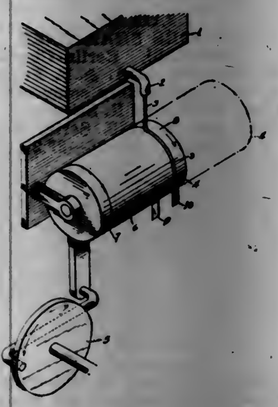
2,115,770
**INDICATOR DEVICE**
Oliver R. Hartsell, San Rafael, Calif.
Application August 16, 1937, Serial No. 159,217
3 Claims. (Cl. 40—97)

1. In a display board of the character described a series of indicator panels, means to carry said panels in overlapping relation to each other so as to separate and turn each panel over at a point of its travel so as to successively expose to view the opposite faces of the panel in opposite directions, the overlying faces of adjacent panels




of said series bearing the same score indicia so that the exposed face of an overturned panel indicates the same score indicia as the uncovered face of the next panel from which the first panel was overturned, and means for intermittently operating said carrying means at will.

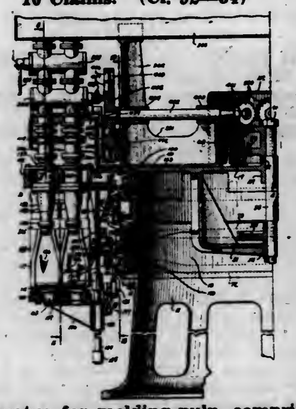
2,115,771
**PROCESS FOR PRODUCING GRANULAR BORAX**
Henry D. Hellmers, Westend, Calif.
Application January 29, 1934, Serial No. 708,882
1 Claim. (Cl. 82—94)



Process of producing anhydrous borax comprising melting and dehydrating borax decahydrate by heat to produce molten anhydrous borax glass; discharging the molten borax glass so produced, in the form of a thin threadlike stream upon the surface of a rotating cooling drum, thereby solidifying and breaking up the glass into relatively short lengths which can be ground without the production of excessive fines or contamination by metallic impurities from the grinding apparatus; and so grinding such short lengths.

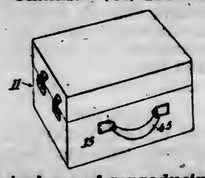


2,115,772
**MACHINE FOR MOLDING PULP**
Roy D. Heymann, Woodbridge, Conn., assignor, by mesne assignments, to Pulp Products Company, Inc., New York, N. Y., a corporation of Delaware
Application June 18, 1935, Serial No. 27,179
10 Claims. (Cl. 92—54)



2. Apparatus for molding pulp, comprising, in combination, a stationary support, a series of station mechanisms on said support, a turntable rotatable on said support, a hollow mold on said turntable having a charging opening, means for rotating said turntable to bring said mold successively into registration with said station mechanisms, at least one of said mechanisms having means for charging said mold with a liquid, and an inlet tube on said turntable registering with said charging opening and communicating with said mold for supplying liquid to said mold at least during the movement of said mold between two station mechanisms.

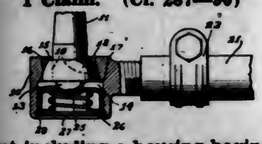
2,115,773
**PORTABLE ELECTRIC AUTOMATIC PHONOGRAPH**
Arthur Hill, New York, N. Y.
Application July 1, 1937, Serial No. 151,410
2 Claims. (Cl. 181—31)



1. An electrical sound reproducing device comprising a cabinet consisting of a box-like body portion and a box-like lid portion hingedly connected to the body portion, a loud speaker unit normally confined wholly within the lid portion when in either open or closed position and bodily removable therefrom for use at a point remote from the cabinet, said loud speaker unit comprising a baffle board having a framework mounted on the rear thereof, an electrically operable sound reproducing instrumentality mounted on said baffle board within said framework, said lid portion having a supporting panel therein formed with an opening and a bearing portion for accommodating the framework and the baffle board respectively of said loud speaker unit, cooperating means on the lid portion and on the loud speaker

unit for detachably holding the loud speaker unit within the lid portion, and the framework being disposed at an angle to the baffle board so that a portion of the framework may cooperate with an edge of the baffle board to support the loud speaker unit in upright position upon a substantially horizontal surface.

2,115,774
JOINT
George H. Hufferd and Matthew P. Graham, Detroit, Mich., assignors to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio
Application November 23, 1934, Serial No. 754,424
1 Claim. (Cl. 287—90)

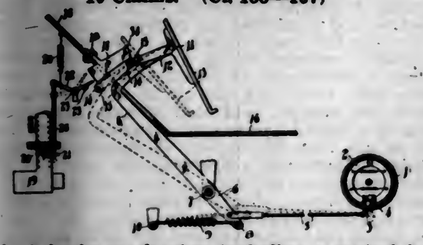


In a joint including a housing having an inner bearing wall, a stud having an end in bearing relation to said wall for swivelling and tilting movement of said stud with respect to said housing, and means constantly urging said end and wall into closer bearing relation, said wall being arranged for bearing contact with said stud over the localized areas within which most of said tilting movement takes place and being relieved between said areas, whereby said means is at all times effective to urge said end and wall into reseating bearing relation to compensate for continued wear within said localized areas.

2,115,775
BITUMINOUS COMPOSITIONS AND PROCESS FOR MAKING SAME
James Karr Hunt and Joseph Harrel Shipp, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application September 19, 1933, Serial No. 690,176. Divided and this application February 2, 1935, Serial No. 4,632
8 Claims. (Cl. 91—70)

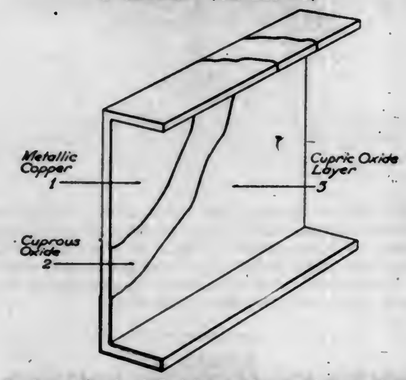
5. Process of preparing a coating composition which comprises the improvement of mixing gilsonite which has been heated at a temperature between 698° F. and 752° F., until the fixed carbon content has increased 20% to 65%, with a soluble rosin-drying oil modified polyhydric alcohol-polybasic acid resin.

2,115,776
MOTOR VEHICLE CONTROL
Maunsell B. Jackson, Toronto, Ontario, Canada
Application July 27, 1936, Serial No. 92,720
10 Claims. (Cl. 188—167)



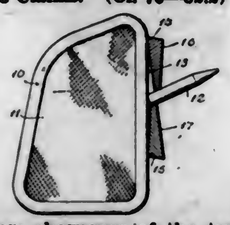
1. A brake mechanism including a control lever; means tending to apply the brake; a foot plate for moving the lever to release the brake, the foot plate being pivoted on the lever; and means operable by rocking the plate relative to the lever for holding the latter in its brake releasing position, the second mentioned means being releasable automatically upon the removal of pressure from the plate to permit the first mentioned means to apply the brake.

2,115,777
ELECTRICAL CONDUCTOR
Thor S. Johnson, Irvington, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application May 8, 1936, Serial No. 78,559
3 Claims. (Cl. 148—6)




1. A method of finishing the surfaces of copper electric conductors which comprises oxidizing the surface thereof to cupric oxide, and then hot rolling said surface.

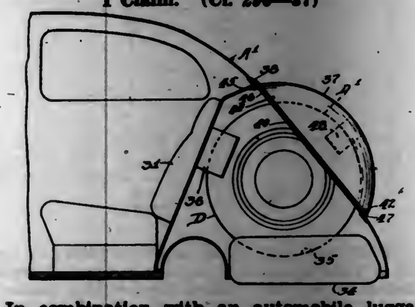
2,115,778
SCISSORS SHARPENER
Friedrich Krähenbuhl, Berlin-Charlottenburg, Germany, assignor to A. & F. Products, New York, N. Y., a partnership composed of Albert L. Stirn and Ferdinand R. Stirn
Application July 8, 1936, Serial No. 89,559
3 Claims. (Cl. 76—82.2)



2. A scissors sharpener of the type which is drawn between the blades of the scissors, comprising the combination of a relatively flat plate forming a grip portion having one unbroken vertical straight edge, a round, smooth pin of material harder than the material sought to be sharpened, said pin being inserted into said grip through said vertical edge and projecting obliquely therefrom at such an angle that only the corner edges of said scissors blades will ride on said straight vertical edge, whereby the edges of the scissors to be sharpened will be spaced from said vertical straight edge during the sharpening operation.

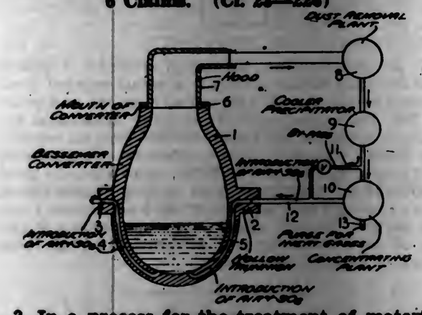


2,115,779
VEHICLE LUGGAGE AND SPARE TIRE CLOSURE
George Albert Lyon, Detroit, Mich., assignor to Lyon Incorporated, Detroit, Mich., a corporation of Delaware
Application May 21, 1934, Serial No. 726,622
1 Claim. (Cl. 296—37)



In combination with an automobile luggage compartment, spare tire holding means comprising the automobile fuel tank formed with a depression and associated with said compartment for receiving and supporting the tire, and cover means associated with the compartment for covering the tire and provided with resilient transverse tire cradling means cooperating with the aforesaid means for preventing rattling of the tire.

2,115,780
TREATMENT OF METALLIC SULPHIDES TO RECOVER SULPHUR AND METALLIC OXIDES THEREFROM
Ivan Roy McHaffie, Montreal, Quebec, Canada, and Daniel Tyrer, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application September 12, 1934, Serial No. 743,898
In Great Britain September 13, 1933
6 Claims. (Cl. 23—226)

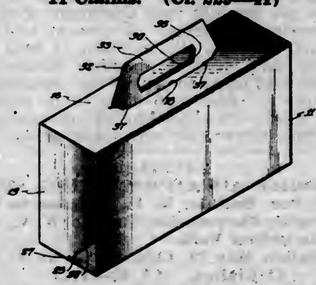



3. In a process for the treatment of material containing iron sulphide for the recovery of sulphur the steps comprising blowing a molten charge of said material in a converter while at a temperature of 1200–1500° C. with a sulphur dioxide gas containing at least 80% sulphur dioxide to convert iron sulphide to iron oxide and to liberate a substantial quantity of free sulphur, simultaneously therewith burning a sufficient quantity of said charge with an oxygen containing gas to maintain the temperature at 1200–1500° C., the amount of sulphur dioxide and the amount of oxygen blown into said charge being in proportions such that surplus sulphur dioxide is produced and such that the effluent gas contains free sulphur vapor by volume in excess of the surplus sulphur dioxide, adding sufficient flux to form a fluid slag with the iron oxide formed and to maintain said charge sufficiently fluid for blowing at 1200–1500° C., and treating the effluent gas to recover the free sulphur.

2,115,781
PROCESS FOR THE TREATMENT OF STORED CRACKED GASOLINE
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 12, 1934, Serial No. 752,707
1 Claim. (Cl. 196—43)

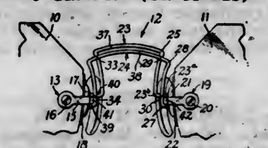
A process for restoring deteriorated cracked gasoline containing organic peroxides developed therein as a characteristic of the deterioration and tending to form gums and to reduce the antiknock value characteristic of the gasoline before its said deterioration, said process comprising treating said deteriorated cracked gasoline with a ferrous salt having a reducing action on said peroxides, and separating any unconsumed quantity of said salt and the reaction products from the thus treated gasoline.

2,115,782
BOX
Ersel C. Mulnix, Chicago, Ill.
Application December 12, 1936, Serial No. 115,551
11 Claims. (Cl. 229—41)



9. A handle member for a box comprising a handle flap at the top of one wall of the box, the outer ends of said flap being free from said wall and the upper central portions of the wall and the lower central portion of said flap being doubled upon each other to form a handle member and bring the upper portion of said flap against the inner face of the wall to close the gap therein caused by the removal of the material for the handle member.

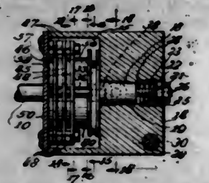
2,115,783
EYEGLASS CONSTRUCTION
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application September 25, 1935, Serial No. 42,036
6 Claims. (Cl. 88—43)



1. In eyeglass construction, in combination, a pair of lenses, lens retaining parts secured to said lenses, and means forming a bridge secured to said parts, said bridge means including a plu-

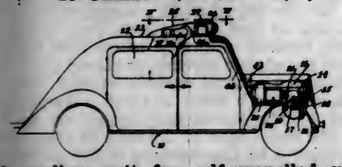
rality of notched members in superimposed relation and interlocked at their notched portions at points spaced from the points at which said members are attached to said pair of lenses.

2,115,784
**LOCK**
Albert J. Pacewick, Chicago, Ill.
Application September 12, 1935, Serial No. 40,201
4 Claims. (Cl. 70—368)



1. A device of the character described, comprising a rotatable member, a shaft, means for coupling said shaft to said member for imparting rotary movement through the medium of said shaft to the member, said means including a plurality of spaced super-imposed discs arranged for relative movement to each other, means carried by said shaft for imparting movement to said discs, each of said discs being provided with a peripheral notch, and means carried by said rotatable member for engagement within said notches when the notches in all of said discs are brought into alignment with each other whereby the further rotation of said shaft will impart, through the medium of said discs, rotation to said rotatable member, means associated with said shaft to permit the manipulation of the same to cause said discs to be moved to positions where their peripheral notches will be brought into alignment with each other.

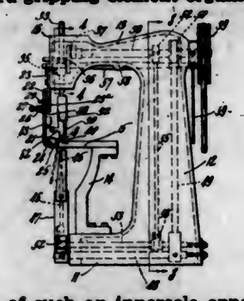
2,115,785
**AUTOMOBILE AIR CONDITIONING SYSTEM**
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application May 29, 1936, Serial No. 82,400
13 Claims. (Cl. 62—117)



6. A cooling unit for self-propelled vehicles comprising a stream-lined housing adapted to be mounted on top of the roof of the vehicle, said housing having front and rear compartments therein in insulated relation, a condenser in said front compartment, a blower and an evaporator unit in said rear compartment, said front compartment having open front and top portions permitting the free passage of air therethrough around the condenser therein and said rear compartment having inlet and outlet ducts adapted to communicate with the space of the vehicle to be cooled.

2,115,786
**TRIMMING MACHINE**
Jesse V. Poole, Abington, Mass., assignor to Puritan Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application September 10, 1935, Serial No. 39,954
9 Claims. (Cl. 12—20)

1. A machine for trimming reinforcing fabric on a ribbed innersole in a line conforming substantially to the edge of the rib thereof, said machine comprising a support and a complemental gripper adapted to clamp such a rib between them, a third gripping element organized to bear



on the side of such an innersole opposite to the rib so gripped, and a knife arranged to reciprocate adjacent to the first named gripper into contact with the work support and away from the work support.

2,115,787
**ANTENNA**
Wilhelm Runge, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany, a corporation of Germany
Application May 22, 1936, Serial No. 81,231
In Germany June 4, 1935
2 Claims. (Cl. 250—11)



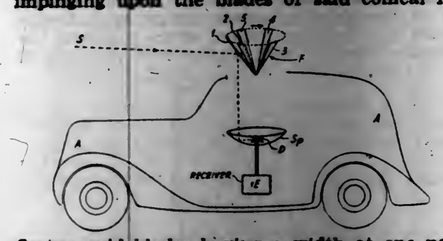
1. In combination, an aerial element, a power line for said aerial element, a weatherproof protecting container for said aerial element and power line, high frequency translating apparatus including electron discharge devices and an enclosing vessel therefor, said container extending to and communicating with said vessel whereby heat from said electron discharge devices in said vessel flows through the interior of said container from the bottom thereof, and heat escape means at the top of said container for preventing sweat from forming in said container.

2,115,788
**ULTRASHORT WAVE SYSTEM**
Hans Scharlau, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 14, 1936, Serial No. 79,634
In Germany June 8, 1935
2 Claims. (Cl. 250—11)

2. In combination, in a short wave receiving system, a reflector in the form of a cone, said reflector comprising a plurality of spaced reflecting blades arranged in the surface of said cone, and an arrangement substantially symmetrically positioned with respect to the apex of said conical

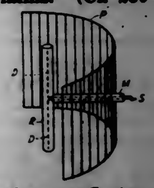


reflector for receiving waves of any polarization impinging upon the blades of said conical re-



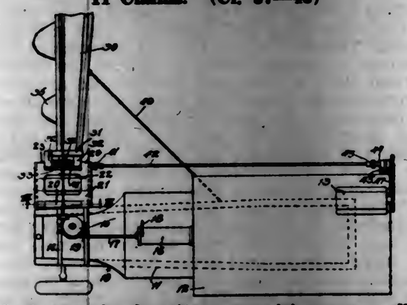
flector, said blades having a width at one portion at least as wide as half the length of the communication wave.

2,115,789
**DIRECTIONAL ANTENNA SYSTEM**
Kurt Schmid, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 22, 1936, Serial No. 81,181
In Germany June 4, 1935
2 Claims. (Cl. 250—11)



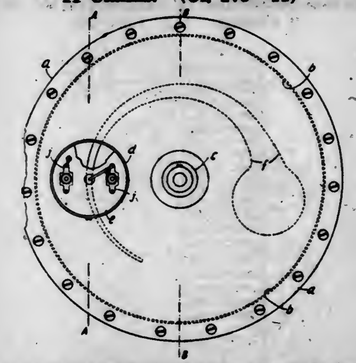
1. In combination, a reflector, a dipole antenna at the focus of said reflector, said dipole having two arms arranged substantially in the same straight line, a feed line connecting the adjacent ends of said arms with high frequency apparatus, a hollow insulating tube completely surrounding said antenna and having an aperture located in the center thereof for entrance of said feed line, and a metallic shield surrounding said feed line for at least a portion of its length adjacent said insulating tube.

2,115,790
**SNOWBANK CUTTER**
Sanborn C. Sleeper, Newberry, and Louis Du Pras, Marquette, Mich.
Application May 19, 1937, Serial No. 143,418
11 Claims. (Cl. 37—43)



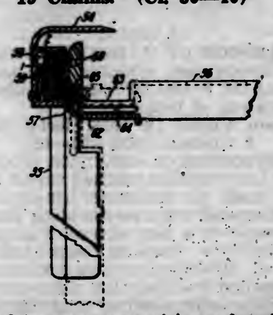
1. A snow bank cutter comprising a propelled vehicle having a main frame, a platform member swivelly connected to said main frame at the front end of the vehicle, a wheel for supporting said platform from the ground, a moldboard swivelly connected to said platform, a screw propeller in said moldboard and means on said vehicle for driving said propeller.

2,115,791
**COUPLING DEVICE**
Sidney Bertram Smith and Frank Morris Wright, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application May 17, 1935, Serial No. 21,960
In Great Britain July 6, 1934
11 Claims. (Cl. 178—44)



1. A variable high frequency electrostatic coupling device comprising an output member and an input member, each of said members being a fixed distance apart and in electrostatic coupling relationship with each other, a rotatable electrostatic screen interposed between said output and input members, said screen having a slotted portion of continuously variable width, said screen being rotated so as to provide predetermined variations of high frequency coupling between said members by the rotation of said screen.

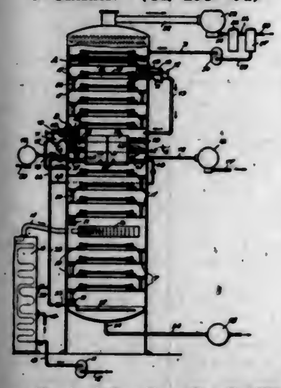
2,115,792
**SAFETY RAZOR**
William F. Steinmetz, New York, and Sol Rothschild, Brooklyn, N. Y.
Application May 21, 1935, Serial No. 22,520
19 Claims. (Cl. 30—40)



12. A safety razor comprising a handle with a clamp cover at the top, a blade seat including blade positioning means thereon and a guard, a magazine for holding a plurality of blades in said handle, said magazine being swingable so that its open side abuts on the blade seat, a spring actuated pawl contained in said magazine for ejecting a blade on said seat, and means on said seat

for positively retaining said blade in proper shaving relation with relation to said guard thereon when the magazine is swung back to its normal position and means for clamping the blade between the clamp cover and the blade seat when the magazine is swung into said normal position.

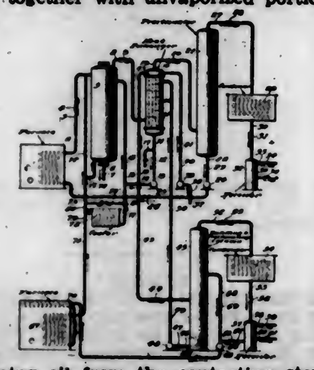
2,115,793
**FRACTIONAL DISTILLATION**
Harry Robert Swanson, White Plains, and John Samuel Wallis, New York, N. Y., assignors to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application September 11, 1936, Serial No. 481,178
9 Claims. (Cl. 196—94)



2. The method of fractionally distilling hydrocarbon oils or the like which comprises passing vapors of the oil counter-current to and in contact with a plurality of pools of reflux oil of progressively decreasing temperatures in a fractionating zone, withdrawing reflux from one of said pools and from contact with reflux and vapors flowing in the main vapor path, and subjecting said withdrawn reflux to contact with steam in a stripping zone in which the temperature is higher than the temperature of the reflux in the pool immediately below the pool from which the reflux is withdrawn, the said stripping zone being disposed out of contact with reflux and vapors flowing in the main vapor path.

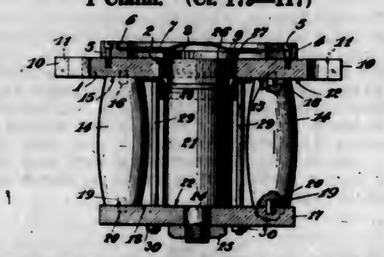
2,115,794
**CONVERSION OF HYDROCARBON OILS**
Kenneth Swartwood, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 10, 1936, Serial No. 95,167
2 Claims. (Cl. 196—48)

1. A hydrocarbon oil conversion process which comprises fractionating cracked vapors in a fractionating zone to condense heavier fractions thereof, independently fractionating charging oil for the process in a second fractionating zone to form a distillate cracking stock and residual charging oil, subjecting reflux condensate from the first-named fractionating zone and said distillate stock to independently controlled cracking conditions of temperature and pressure in separate heating coils and introducing the resultant products into a common separating chamber wherein vapors are separated from residue, removing the vapors from the chamber and separating high-boiling fractions thereof by passing the removed vapors in indirect heat exchange with the charging oil prior to introduction of the latter to said second zone and by direct contact of the removed vapors with said residual charging oil from the second zone, returning such separated high-boiling fractions of the vapors to the chamber together with unvaporized portions of



the charging oil from the contacting step, introducing the remaining uncondensed vapors to the first-named fractionating zone for fractionation therein, and finally condensing the fractionated vapors.

2,115,795
**MAGNETIC UNIT**
Herbert R. Warnke, New York, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 4, 1936, Serial No. 67,025
1 Claim. (Cl. 179—117)



As an article of manufacture, a magnetic unit comprising spaced parallel plates of soft iron; a cylindrical core of soft iron attached to the center of one of said plates and making a machine fit therewith, said cylindrical core extending through an opening located in the center of the other plate and forming an air gap with respect thereto; a plurality of permanent bar magnets of greater cross-section in the middle portion than at the ends thereof and arranged symmetrically around and having the axes thereof parallel to the axis of said cylindrical core, said permanent bar magnets being of barrel shape and comprising supporting struts extending between said plates, the inner sides of said plates being ground to substantial plane surfaces and the ends of said permanent barrel shaped magnets being also ground to substantially plane surfaces whereby the ends of said magnets and the inner sides of said plates form ground fitted engagements to obtain intimate contact between the ends of said magnets and said plates; dowel pins extending into the centers of the ends of said permanent magnets and into said plates to locate said magnets on said plates; and adjustable nonmagnetic tension members comprising



screw bolts extending between said plates to urge said plates toward each other and thereby clamp the magnets tightly between the plates.

2,115,796
**LOCKING MECHANISM FOR VENETIAN BLINDS**
George K. Bradfield, Jr., Hackensack, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 6, 1937, Serial No. 119,228
8 Claims. (Cl. 156—17)

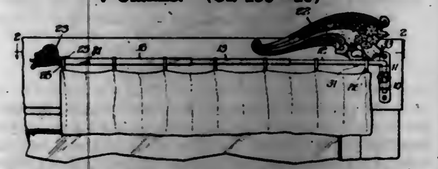


1. Locking means for a supporting cord of a Venetian blind comprising, a fixed element adjacent which the cord passes, a locking dog journaled adjacent the cord and movable to wedge the cord against the fixed element, an operating arm for moving said dog into cord wedging position, said arm having cord supporting means remote from the dog and being so formed and arranged that tension applied on the free end of the cord will release said locking dog, and resilient means operable upon release of the tension to shift the operating arm to move the dog into cord wedging position.

2,115,797
**WATERPROOF COMPOUND**
Maurice Henri Bellec, Paris, France, assignor to Societe Nobel Française, Paris, France, a joint-stock company
No Drawing. Application March 2, 1936, Serial No. 66,697. In France March 7, 1935
4 Claims. (Cl. 134—13)

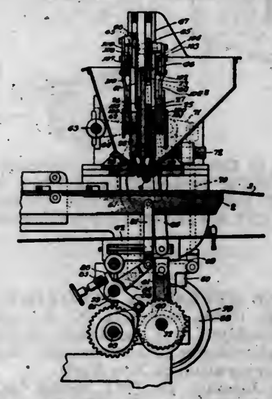
1. A resinous liquid coating composition for waterproofing paper, fabrics and regenerated cellulose comprising a resin selected from the group consisting of water insoluble condensation products of polyvinyl alcohol and acetic paraldehyde, polyvinyl alcohol and a mixture of formaldehyde and acetic paraldehyde, and polyvinyl alcohol and trioxymethylene; a minor proportion of a waterproofing agent selected from the group consisting of paraffin, natural waxes, synthetic waxes, and chlorinated naphthalenes, said waterproofing agent being present in the proportion of 1 part waterproofing agent to 16 to 20 parts of said resin, said amount being sufficient to increase the water resistance of the coating; and a volatile organic solvent for both the said waterproofing agent and the said resin in amount sufficient to dissolve the same.

2,115,798
**CURTAIN FIXTURE**
James H. Boye, Chicago, Ill.
Application January 30, 1936, Serial No. 61,454
7 Claims. (Cl. 156—19)



1. An extensible curtain crane, comprising a bar having a pivot member at one end thereof, an inner sleeve telescoping over said bar, an outer sleeve telescoping over said inner sleeve, means creating a frictional drag of said inner sleeve on said bar, and means creating a lesser frictional drag of said outer sleeve on said inner sleeve.

2,115,799
**MECHANISM FOR DEPOSITING CONFECTIONS ON WAFERS**
John Brandt, Chicago, Ill., assignor to Salerno Machinery Company, Chicago, Ill., a corporation of Illinois
Application June 24, 1937, Serial No. 150,099
4 Claims. (Cl. 107—28)

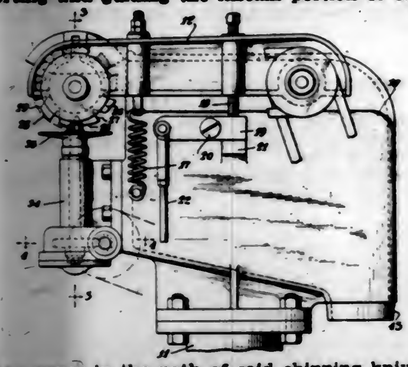


1. In a confection-depositing machine, a confection hopper having an outlet opening adjacent its bottom, a row of depositing nozzles adjacent said outlet opening, a forcing chamber having an opening adjacent said outlet opening of the hopper, a reciprocating piston closing said chamber above its opening, a valve seated in the hopper structure and arranged to control communication alternatively between said piston chamber and said hopper and between said piston chamber and said nozzles, means for operating said piston and said valve synchronously, a pumping chamber having an opening in said hopper adjacent said outlet opening of the hopper, a plunger in said pumping chamber, and means for reciprocating said plunger to expel confection from said pumping chamber when said valve is open between said hopper and said forcing chamber and to draw confection into said pumping chamber when said valve is closed between said hopper and said forcing chamber.

2,115,800
**APPARATUS FOR THE MANUFACTURE OF WELTED SHOES**
William C. Card, Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application August 23, 1935, Serial No. 37,417
5 Claims. (Cl. 12—82)

1. Apparatus for treating a shoe upper having a welt and upper stitched along an inseam to an upstanding rib on an insole, which comprises, a heavy metal disk having a plurality of knocking and chipping knives along its periphery, each knife having a forwardly directed face and a peripheral face intersecting said forwardly directed face along a cutting edge, said peripheral face rearwardly of said cutting edge being sloped inwardly toward the center of said disk, and also

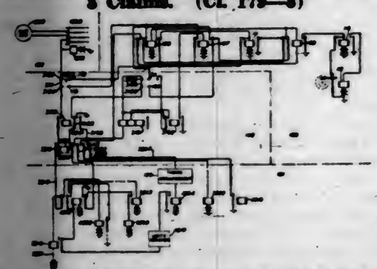
being laterally curved so as to approach flat work more closely at one side of said disk than at the other, means for driving said disk, means for supporting and guiding the inseam portion of said



shoe upper in the path of said chipping knives, means for lifting said disk away from said supporting and guiding means, and spring means urging said disk toward said supporting and guiding means.

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**2,115,801**
**LINE OVERFLOW RECORDER**
**Raymond E. Collis, Summit, N. J., and Oscar Myers, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application January 29, 1937, Serial No. 122,972**
**8 Claims. (Cl. 179—8)**

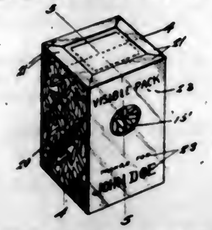


1. In a telephone system, a telephone line, means to mark said line busy by applying a busy condition to a conductor individual to said line, common control means including means for testing said line, and means for recording the number of times said line is tested while busy, comprising means inserted in said individual conductor responsive to said testing means when said line is idle to transmit a position indication to said control means and responsive to said testing means when said line is busy to record said test and transmit a busy signal to said control means.

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**2,115,802**
**CONTAINER**
**Charles W. Dann, Jr., Miami, Fla.**
**Application April 20, 1935, Serial No. 17,511**
**5 Claims. (Cl. 206—44)**

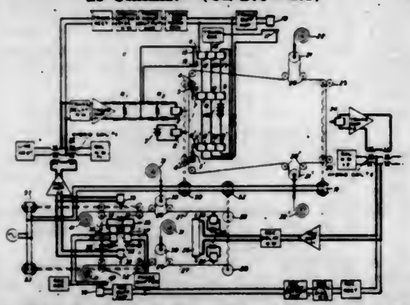
1. A container of the character described comprising an envelope of flexible transparent material and a substantially endless frame of relatively stiff material having only two integral side and end walls respectively arranged within the envelope, said envelope at the end thereof being united with the ends of said frame to provide with the frame a sealed container certain walls of which are transparent and other walls of which are opaque, and said frame having an end




portion uncovered and also having delineated on said uncovered portion by weakened lines of severance and a fold line an area defining a closure flap.

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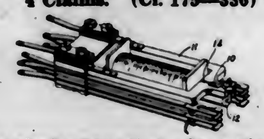
**2,115,803**
**SIGNALING SYSTEM**
**Homer W. Dudley, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application October 30, 1935, Serial No. 47,394**
**19 Claims. (Cl. 179—1.5)**



1. The method of operating on a message wave that a times has a functional frequency, with recurrence of substantially the same pattern in the wave at the fundamental frequency, which comprises eliminating certain wave portions respectively corresponding to periods of the fundamental frequency and retaining other wave portions respectively corresponding to periods of the fundamental frequency, and replacing said eliminated portions by reproductions of said retained portions.

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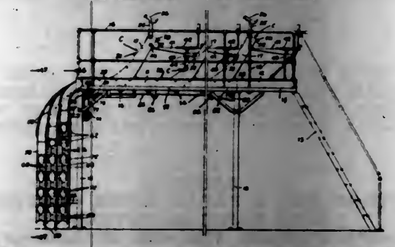
**2,115,804**
**ELECTROMAGNETIC SWITCH**
**William Fondiller, Yonkers, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application September 18, 1935, Serial No. 41,027**
**4 Claims. (Cl. 175—336)**



1. In an electromagnet, a core, a winding thereon, a perforated armature, compressed powdered magnetic material in the perforation in said armature and said armature being slit adjacent opposite sides of the powdered magnetic material to interpose a break in the magnetic circuit.



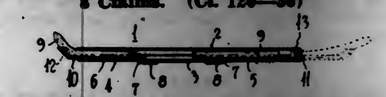
**2,115,805**
**MAIL SORTER**
**Frederick L. Fuller, West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York**
**Application May 27, 1936, Serial No. 81,986**
**14 Claims. (Cl. 198—42)**



2. A machine to sort articles such as cards or pieces of mail, comprising adjacent channels with a common channel-defining and separating wall between them along opposite faces of which articles are fed in the same direction, said defining wall including a pair of sections disposed one in continuation of the other and having adjoining ends, an interlocking joint between the adjoining ends of said pair of wall sections provided with portions bulging outwardly in the direction of feed of the articles beyond opposite faces of both sections at their adjoining ends to thereby deflect the articles as they leave opposite faces of one section outwardly beyond the opposite faces of adjoining section until the articles pass said joint, and separate receiving devices to selectively receive the articles from the different channels.

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**2,115,806**
**ERASING DEVICE**
**Charles Frederick, Columbiana, Ohio**
**Application August 17, 1937, Serial No. 159,590**
**3 Claims. (Cl. 120—36)**



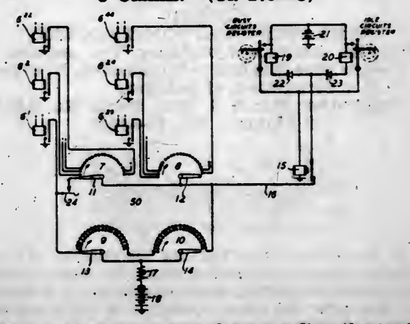
1. An erasing device comprising a casing open at an end and having a slot formed in one of its sides, an eraser holder slidable in the casing having a handle portion extended through the slot, and a flange formed on the outer end of the holder adapted to close the end opening of the casing when the slide is retracted within the casing.

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**2,115,807**
**PROCESS FOR TREATING OILS WITH SULPHURIC ACID AND FOR PREPARING IMPROVED WETTING AGENTS AND DETERGENTS**
**Stewart C. Fulton and Hans G. Vesterdal, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware**
**No Drawing. Application November 9, 1934, Serial No. 752,312**
**21 Claims. (Cl. 260—99.12)**

1. Process for the production of sulphuric derivatives of olefines comprising mixing fuming sulphuric acid in excess with liquid olefines at a reaction temperature, continuously maintaining in the reaction zone more than one mol. of sulphuric acid, exclusive of the sulphuric anhydride present, per mol. of olefin.

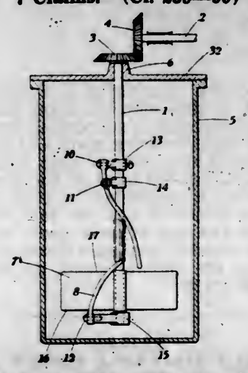
**2,115,808**
**ELECTRICAL RECORDER**
**Charles E. Germanton, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application December 30, 1936, Serial No. 118,249**
**5 Claims. (Cl. 179—8)**



5. In a traffic recorder for recording the traffic conditions in a group of circuits, a selector switch for successively testing the idle or busy condition of said circuits during each operating cycle thereof, a register for counting the number of idle circuits tested, a register for counting the number of circuits tested, means for selectively operating said registers in accordance with the idle or busy condition of the circuits tested, a stepping circuit for said switch controlled by the operation of either one of said registers, and a start key operative to initiate the advance of said switch and to cause said switch to advance through one or more complete cycles so long as key is maintained operated.

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**2,115,809**
**MEANS FOR AUTOMATICALLY MOVING A ROTATING BLADE IN AXIAL DIRECTION**
**Bronislaw Goldman, Warsaw, Poland**
**Application June 4, 1935, Serial No. 24,845**
**In Germany May 16, 1934**
**7 Claims. (Cl. 259—99)**

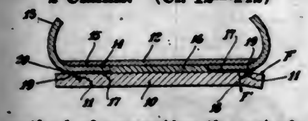


1. Means for axially moving a rotating blade, comprising in combination: a container for a medium to be set in motion by the blade; a shaft rotatably mounted in said container; means for rotating said shaft; a single blade mounted upon said shaft; a guide member connected to, but spaced laterally away from said shaft and rotating simultaneously therewith; said guide member engaging the edge of said blade and thereby

causing axial movement thereof during the rotation; and said guide member and said blade being so mounted as to permit of a limited turning movement of said blade relatively to said guide member during the rotation.

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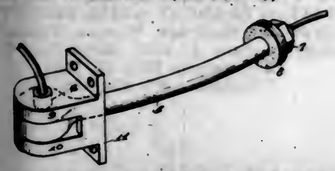
2,115,810
**CEMENTED SHOE CONSTRUCTION**
Henry B. German, Lynchburg, Va., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application March 6, 1935, Serial No. 9,661
2 Claims. (Cl. 12—142)



2. A method of preventing the outsole of a cemented shoe from peeling from the upper, which comprises weakening such outsole along a marginal line near the outer boundary of the cemented area by forming therein a weakened slit or channel from its flesh surface downwardly and inwardly toward but not to its grain side, applying cement to the flesh surface of the marginal portion of said sole while keeping said channel closed and excluding any save a possible slight seepage of cement from said channel, and sticking said cemented sole margin to the bottom of a lasted upper, whereby its outer edge portion beyond said weakened channel may break downwardly away from the body of the sole except at its integrally connected lower portion.

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2,115,811
**CONDUIT DOOR STOP**
Lorrin L. Hansen, Rapid City, S. Dak.
Application January 18, 1936, Serial No. 59,782
2 Claims. (Cl. 16—86)



1. A door stop comprising a T-shaped, tubular member, a stop element upon the shank of the T-shaped member, a supporting element comprising a vertical securing plate and horizontally disposed spaced ears integral with said plate and within which ears the head of the T-shaped tubular member is journaled to turn, said plate being laterally slotted and the said shank passing through the slot of said plate, whereby an electrical conductor may pass through the shank and through the tubular head, as and for the purposes set forth.

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2,115,812
**MANUALLY PORTABLE MOTOR DRIVEN POLISHER**
James C. Hardy, Honolulu, Territory of Hawaii
Application October 7, 1936, Serial No. 104,504
7 Claims. (Cl. 51—170)

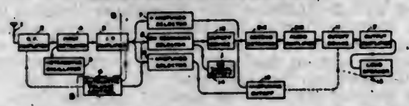
4. A manually portable grinding and polishing machine comprising a longitudinal frame member and a pair of parallel end frame members extending at right angles to the longitudinal member, all three members being in the same plane, means for slidably and adjustably connecting the end members to the longitudinal member, and a pair of pulleys carried by the end



members having their axes at right angles to the said end members and fixed with reference thereto, an endless polishing belt carried by said pulleys and means for driving one of the pulleys.

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2,115,813
**METHOD AND APPARATUS FOR CONTROLLING RADIO RECEIVERS**
Kenneth W. Jarvis, Winnetka, Ill., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 13, 1932, Serial No. 592,764
Renewed January 21, 1938
31 Claims. (Cl. 250—20)



18. A method of controlling the output of a radio receiver which consists in changing the frequency of the energy carrier of a received signal to an intermediate frequency, variably amplifying said signal in accordance with the signal strength of such signal whereby increase in said signal strength causes a diminished amplification of said signal, further modifying the frequency of said signal to a frequency in the audio range, and independently controlling the amplification of the modified signal by said amplified but unmodified signal after a selection of the latter sufficient to render the independent control action sharper than said variable amplification action.

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2,115,814
**COMBINED CRANK AND COUNTERWEIGHT**
Kresten R. Jensen, Coffeyville, Kans.
Application December 30, 1937, Serial No. 182,598
4 Claims. (Cl. 74—591)



3. A combined crank and adjustable counterweight comprising a counterweight having an eccentric opening, a disc received by said opening and having an eccentric opening to receive a drive shaft, said counterweight adapted to be revolved on the disc for adjustably positioning the counterweight on said disc, lugs on the disc engaging the counterweight at one face thereof, means engageable with the opposite face of the disc and counterweight, means for clamping the



last-mentioned means against the disc and counterweight for drawing the counterweight tight against said disc, the counterweight and said disc having cooperating graduations for indicating varying conditions of counterbalancing between a zero position and a point diametrically opposite the zero position, said disc having a split portion adjacent the eccentric opening therein, the split portion normally aligning with the zero indication on the counterweight.

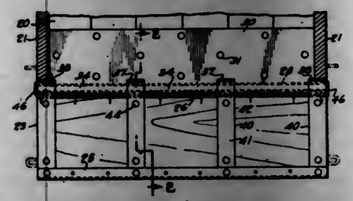
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2,115,815
**CONCENTRATES FROM VEGETABLES, FRUITS, OR BERRIES, AND THEIR MANUFACTURE**
David L. Johnsen, Glenside, Pa.
No Drawing. Application August 5, 1936, Serial No. 94,414
21 Claims. (Cl. 99—205)

1. A process of preparing a concentrated product consisting of insoluble solids and supernatant liquid of vegetables, fruit, or berries; which process comprises segregating, separate from one another and from the rest of the vegetable, fruit, or berries, its supernatant liquid substantially free of insoluble solids, and its insoluble meat solids which it is desired to have in the final product, evaporating off part of the water from the segregated solid-free supernatant liquid, at temperatures high enough to injure the said solids, and mixing together the concentrated liquid and the segregated solids.

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2,115,816
**BUTT-HINGED STRUCTURE**
Herman J. Koerner, Woodhaven, N. Y.
Application December 17, 1936, Serial No. 116,263
3 Claims. (Cl. 296—57)

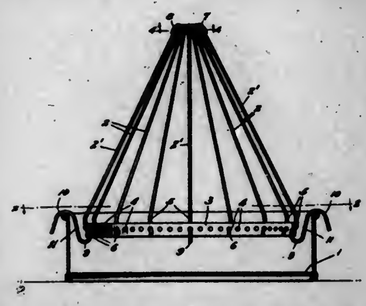


1. In a butt-hinged structure in combination with a support or floor, and a swingable tailboard, a butt-hinge connecting the support and tailboard, and comprising hinge members attached to the support and tailboard respectively, said members having attaching leaves and interengaging knuckles and notches, with a pintle engaged in the alined knuckles; and characterized in that the knuckles of at least one of the hinge members consist of preformed sections of cylindrical metal tubing of closed annular cross section, the same integrally welded to the hinge leaves.

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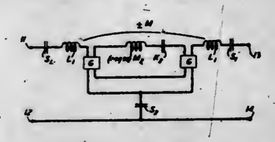
2,115,817
**POULTRY FEEDER**
Eugene A. Lahiere, Princeton, N. J.
Application May 17, 1937, Serial No. 143,167
7 Claims. (Cl. 119—61)

1. A device of the character described comprising a pan open at its top, and a guard for said pan consisting of a ring of a diameter adapting it to fit within the pan, and rods above said ring having their upper ends loosely secured in bunched formation and their lower end portions engaged through the ring, the lower ends of certain of said rods being provided with means for engaging the peripheral wall of the pan and supporting the guard in operative relation thereto with the ring spaced downwardly below the top of the pan.



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2,115,818
**WAVE TRANSMISSION NETWORK**
Emory Lakatos, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 18, 1935, Serial No. 55,048
12 Claims. (Cl. 178—44)



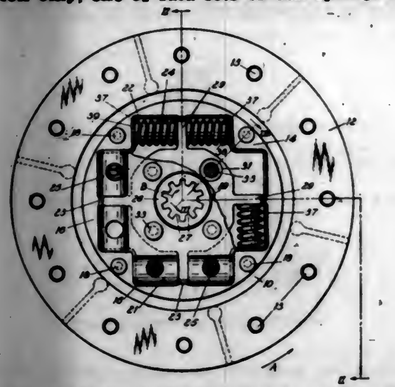
10. A composite electromechanical wave filter comprising a pair of input terminals, a pair of output terminals, a mechanical vibratory structure, means for connecting said mechanical structure between said input terminals and said output terminals, an auxiliary electrical network connected between said input terminals and said output terminals, an inductance associated with the input end of said filter, and an inductance associated with the output end of said filter, said two inductances being so related as to have mutual inductance effective therebetween, and said two inductances being so proportioned with respect to the component impedances comprising said mechanical vibratory structure and said auxiliary electrical network that said composite wave filter freely transmits a band of frequencies while attenuating other frequencies.

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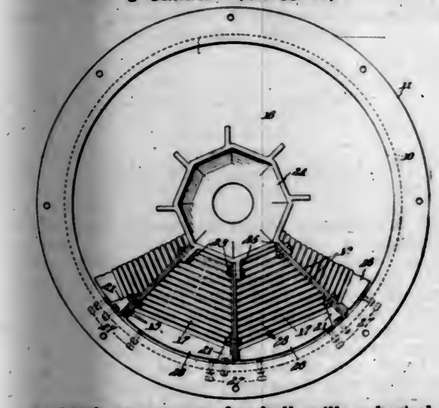
2,115,819
**VIBRATION DAMPENER**
Robert P. Lewis, Toledo, Ohio, assignor to Spicer Manufacturing Corporation, Toledo, Ohio, a corporation of Virginia
Application May 22, 1933, Serial No. 672,364
10 Claims. (Cl. 192—68)

10. In a shock absorbing and vibration dampening mechanism for a clutch assembly, a hub member and a disc member arranged in driving relation; a plurality of separate sets of coil springs arranged between said members to absorb shocks therebetween in all directions of drive, one set of coil springs functioning to cushion the drive in one direction only, and the other set of coil springs

functioning to cushion the drive in the other direction only, one of said sets of coil springs including a larger number of springs than the other.



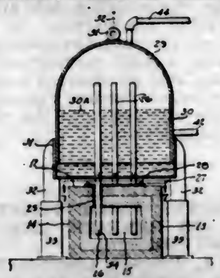
2,115,820
BALL MILL
Frank E. Marcy, San Diego, Calif.
Application July 27, 1936, Serial No. 92,887
3 Claims. (Cl. 83—9)



1. Discharge means for ball mills adapted to automatically regulate the rate of discharge so as to maintain a substantially constant low level of material in the mill regardless of variation in the rate of feed comprising a grate member mounted adjacent the discharge end of the drum of the ball mill, said grate having a plurality of discharge openings in the form of elongated slots positioned with their longitudinal axes along chords of said drum, the width of the slots progressively increasing from the periphery of the drum towards the center and the slots adjacent the center being substantially wider than those adjacent the periphery whereby to substantially accelerate the discharge of material through the grate as the level of material rises in the drum above the desired low level.

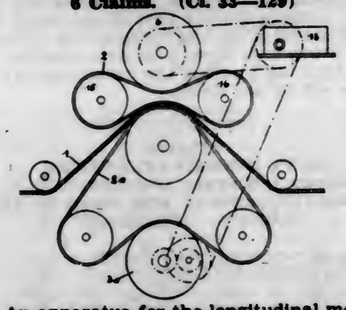
2,115,821
HEAT AND POWER GENERATOR
Burton J. Marquis, Portland, Oreg.
Application November 9, 1936, Serial No. 109,932
6 Claims. (Cl. 122—318)

1. In a device of the class described, the combination of a combustion chamber, a boiler having tubes slidably projecting into said chamber, a pressure actuated means for controlling the dis-



tance which said tubes project into said combustion chamber and draft control dampers operated by said pressure actuated means.

2,115,822
MEASURING OF RUNNING WEBS
Johannes Menschner, Rosswein, Germany
Application August 30, 1934, Serial No. 742,117
In Germany December 6, 1933
6 Claims. (Cl. 33—129)



1. An apparatus for the longitudinal measurement of running webs comprising, a measuring roller, an endless measuring band, and a second measuring roller in contact with said endless measuring band, means for guiding the web to be measured along a curved path between said first mentioned measuring roller and the surface of the endless measuring band, measuring means operatively connected with each of said measuring surfaces, and differential mechanism connecting both said measuring means with a single counting device.

2,115,823
LUBRICATING COMPOSITION
Floyd L. Miller and Carl Winning, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 23, 1932, Serial No. 613,132
24 Claims. (Cl. 87—9)

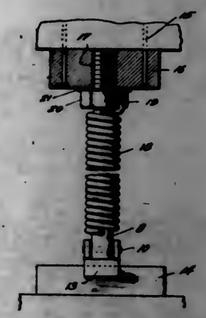
1. A composition of matter comprising a viscous waxy mineral oil containing an ether of cellulose soluble therein and in pour depressing proportions less than 2% by weight.

2,115,824
AUTOMATIC FLOOR JOIST ADJUSTER
Roy Lee McRorey, Dallas, Tex.
Application January 4, 1937, Serial No. 118,965
4 Claims. (Cl. 254—98)

1. The combination with a floor joist and support, of a bearing block secured to the joist and

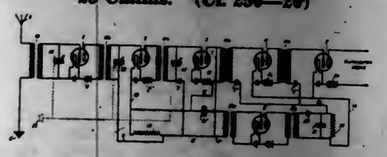


provided with an opening, a rod interposed vertically between the support and bearing block and loosely fitted in said opening, a base for said rod engaging the support to prevent turning of the rod, a nut threaded on the rod and engaging the



bearing block, and a coil spring operatively connected with the rod and nut respectively for automatically rotating the nut in engagement with the bearing block upon downward displacement of the support.

2,115,825
RECEIVER NOISE SUPPRESSOR ARRANGEMENT
Terry B. Morehouse, Hempstead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 1, 1931, Serial No. 534,231
25 Claims. (Cl. 250—20)



1. A method of controlling the gain of a radio receiver which consists in collecting modulated carrier energy, amplifying the collected energy, detecting the amplified energy, amplifying the detected energy, regulating the amplification of the collected carrier energy to maintain the radio frequency component of the detected carrier energy constant, amplifying the said radio frequency component, rectifying the amplified component, and controlling the amplification of the detected carrier energy with the rectified radio frequency component.

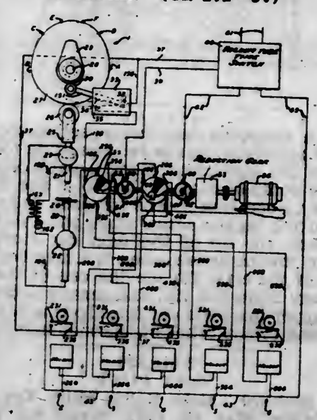
2,115,826
IMPEDANCE TRANSFORMER
Edward L. Norton, Summit, N. J., and Ronald F. Wick, St. George, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 30, 1936, Serial No. 103,316
16 Claims. (Cl. 178—44)

1. In combination, two circuits each having a fixed, predetermined impedance, and means connecting said circuits in energy transfer relation comprising an impedance transformer, said impedance transformer comprising two elements, first, a long cylindrical coil and, second, a concentric metallic sheath surrounding said coil, at least one of said elements being tapered in radius over substantially its entire length, the input and output impedances of said transformer



being equal to the respective impedances of said two circuits.

2,115,827
ELECTRIC SYSTEM AND CONTROL APPARATUS THEREFOR
Raymond E. Powell, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 8, 1935, Serial No. 44,051
9 Claims. (Cl. 171—97)

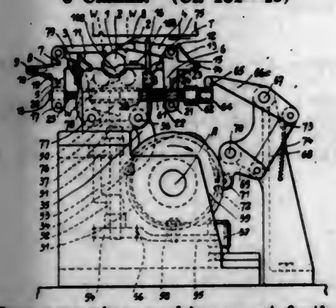


9. In a system comprising a plurality of intermittently operable electrical machines in combination with single means to supply a set of a predetermined number of cycles of alternating current to a machine and which supply means has an actuating circuit and an output circuit, means to control current from the supply means to the plurality of machines, comprising a rotary switch operating to connect the machines one at a time in sequence to the output circuit, a plurality of switches each operated by one and only one of the plurality of machines when that machine is operated and all the plurality of switches being connected in parallel in one side of the control circuit, a rotary switch in the other side of the control circuit operating to connect that side to the plurality of switches one at a time in sequence, and means to drive the first named rotary switch and the last named rotary switch in synchronism.

2,115,828
ELECTRON EMITTING CATHODE AND METHOD OF PREPARATION
Charles H. Prescott, Jr., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application April 13, 1935, Serial No. 16,260
11 Claims. (Cl. 250—27.5)

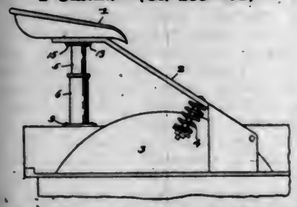
1. A coating composition comprising a highly refractory compound of an electronically active metal, a carbonaceous substance, and a compound of a stable refractory metal having a melting point above the temperature of activation.

2,115,829
**CIGAR MAKING MACHINE**
Constantin F. Röber, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Mueller & Co., Dresden, Germany
Application May 10, 1935, Serial No. 20,819
In Germany May 11, 1934
6 Claims. (Cl. 131—45)



4. In a wrapping machine as set forth, a pair of guide members, means for mounting the guide members for movement along a path coincident with the configuration of the tip of the filler for the cigar, operating means for said guide members, cutting means active when the guide members reach the tip of the filler for cutting the wrapper, means active when the members reach the tip of the cigar for moving one of the members away from the tip, and means active after the wrapper has been cut for effecting a stroking movement to the other of the members.

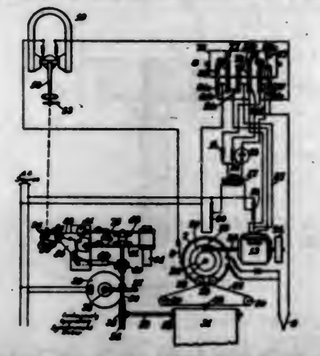
2,115,830
**SEAT POST**
Richard Thiele, Valley Mills, Tex.
Application May 13, 1937, Serial No. 142,519
1 Claim. (Cl. 155—51)



In a tractor, the combination with a seat, and a leaf spring supporting the seat in floating position, of a support beneath said seat comprising upper and lower telescopic sections, the former slidably secured to said seat to permit longitudinal movement of the leaf spring relative to said support and the lower fixed to the body of the tractor against lateral movement, and resilient means in the lower section interposed between the bottom thereof and the upper section, and comprising a lower pad of resilient material, and a compression spring seated on said pad, the upper section being normally spaced above said compression spring.

2,115,831
**RECORDING GALVANOMETER**
Jules A. Widmer, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Original application February 17, 1933, Serial No. 657,232. Divided and this application November 26, 1935, Serial No. 51,618
6 Claims. (Cl. 74—1)

3. In a device of the class described, an instrument provided with a movable index, a strip having a notched side portion and a slotted end portion, means for periodically moving the notched portion of said strip into engagement with said index, elements selectively movable to positions



determined by their engagement with or by their lack of engagement with said slotted portions in accordance with the position of said strip, a movable member, and means including said elements for selectively positioning said member.

2,115,832
**FRUIT CORE EXTRACTOR**
Frank G. Urban, Morristown, N. J.
Application September 30, 1936, Serial No. 103,438
11 Claims. (Cl. 30—25)



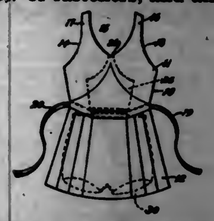
8. A coring device comprising a pair of pivotally connected complementary cutting sections having a transverse curvature to provide a substantially annular cutting edge, said cutting sections having a longitudinal curvature extending to their cutting edges, there being a plurality of apertures in the cutting sections in the vicinity of their cutting edges, push rods pivotally engaging the sections to move them about their pivots, and resilient means connecting said push rods and resisting pivotal movement of the cutting sections.

2,115,833
**BATHING SUIT**
David Watinsky, Mount Vernon, N. Y.
Application August 19, 1937, Serial No. 159,857
6 Claims. (Cl. 2—67)

1. In a bathing suit, in combination, a dress comprised of a skirt and a bodice having arm and neck openings formed therein, an undershirt having arm and neck openings coincident with said first arm and neck openings, said undershirt being permanently secured to said bodice along the outlines of said openings, means secured to said undershirt for supporting a row of separable fasteners, a pair of panties, a row of separable fasteners secured to said panties and

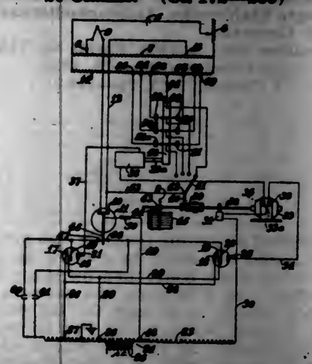


adapted to be placed in cooperative relation with said first row of fasteners, and an actuator car-



ried by said first row and adapted to engage or disengage the fasteners in said rows.

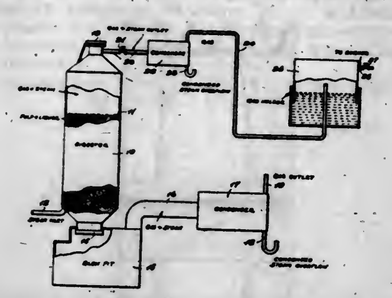
2,115,834
**MOTOR CONTROL SYSTEM**
William M. Young, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y. a corporation of New York
Application December 1, 1932, Serial No. 645,184
20 Claims. (Cl. 172—239)



7. The method of restoring the balance of a normally balanced electrical system including a primary network and a related branch conduit which comprises adjusting said primary network in response to a lack of balance thereof and in such a manner as to decrease the lack of balance until the balanced condition is reestablished, while simultaneously further decreasing the unbalance of the primary network by increasing the current flow through a portion of said branch conduit as a result of altering an effective electrical characteristic of the branch circuit according to the rate of said adjustment.

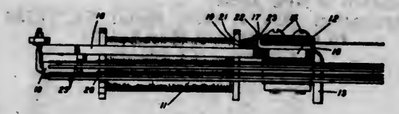
2,115,835
**SULPHATE PULP PROCESS**
Daniel J. Young, Tacoma, Wash., assignor to Young-Whitwell Gas Process Company, Tacoma, Wash.
Application September 15, 1937, Serial No. 163,973
3 Claims. (Cl. 92—9)

1. The improvement in the process of treating sulphate cellulosic pulp contained in a digester, for the purpose of avoiding contamination of the atmosphere with malodorous sulphur containing gases; which comprises sweeping out substantially all of the air from the digester prior to the commencement of the cooking process, then admitting to the digester steam under pressure to perform the cooking operation, and during the cooking stage withdrawing the resulting gases and vapors from the digester substantially free from air, separating the condensible from the non-condensible portions containing the mal-



odorous constituents without introduction of air, and burning said non-condensible portion.

2,115,836
**ELECTROMAGNETIC SWITCHING DEVICE**
Frank A. Zupa, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1934, Serial No. 747,125
3 Claims. (Cl. 175—336)



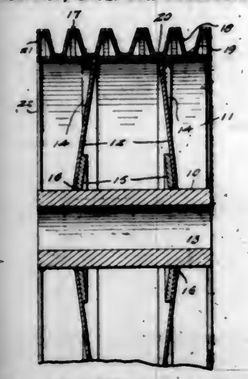
1. In an electromagnetic switching device, relatively movable armature and core members whose forward ends are in substantial alignment and means for regulating the relative movement of said members, said means comprising a pin protruding longitudinally from the forward end of said core and extending at right angles thereto beyond the forward end of said armature and a nut adjustably carried by said pin in operative association with said armature.

2. In an electromagnetic switching device, an armature and means for mounting said armature on said device, said means comprising a reed clamped to said armature and having two upturned flanges, an adjustable bracket mounted on said device and having two upturned flanges in alignment with the flanges of said reed and means for clamping said aligned flanges together.

2,115,837
**PULLEY**
Harry A. Andreas, Muscatine, Iowa
Application March 11, 1937, Serial No. 130,377
1 Claim. (Cl. 74—230.8)

A sheet metal pulley comprising a cylindrical rim, a hub, a pair of dished flanges engaging about the hub, means for securing the inner edges of said flanges on the hub in spaced apart relation with the concave faces thereof in confronting relation, a pair of dished disk members overlapping said flanges, means for securing said disk members to said flanges, a cylindrical peripheral flange carried by each disk member engaging against the inside face of said rim, a grooved annular member engaging the periphery of the rim means engaging in the grooves of said annular against the inside face of said rim, a grooved and

rim, parallel end members integral with said grooved member, said end members overlapping



the opposite ends of the rim, and means for securing said end members to said rim.

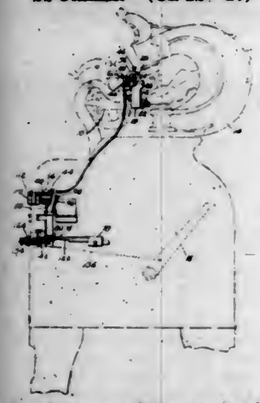
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2,115,838

**SHOE FINISHING MACHINE**

Charles Martin Bagshaw and Alfred Harrington, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application May 4, 1936, Serial No. 77,740
In Great Britain May 9, 1935
21 Claims. (Cl. 12—17)



1. In a finishing machine, a finishing tool, a work jack, said tool and jack being movable relatively to each other first in one and then in an opposite direction, a finishing-medium reservoir, means for delivering medium from said reservoir to a work-piece on said jack, and means operable during the relative movement of said tool and jack in one direction for actuating said medium-delivering means whereby medium is applied to the work.

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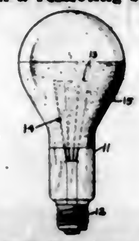
2,115,839

**ELECTRIC LAMP**

Caesar J. Briefer, Brooklyn, N. Y.

Application April 27, 1936, Serial No. 76,610
4 Claims. (Cl. 176—34)

1. A gas filled incandescent lamp having a coiled tungsten filament and a pear-shaped bulb substantially one size greater than the standard sized bulb for the filament employed and having a material portion of the bulb coated upon its interior with a reflecting surface and the remainder of the bulb free from such reflecting surface, the filament being disposed substantially in the focus of the coated portion of the bulb.



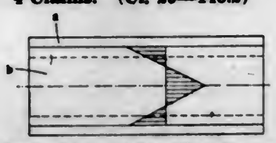
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2,115,840

**METHOD OF JOINING TOGETHER METAL BODIES**

Hans Bühler, Dortmund, Germany, assignor to Vereinigte Stahlwerke, Aktiengesellschaft, Dusseldorf, Germany

Application May 9, 1934, Serial No. 724,757
In Germany May 19, 1933
4 Claims. (Cl. 29—148.2)



1. A method of joining together two metal bodies one around the other by setting up internal stresses in the inner body, then bringing the bodies together and liberating the stresses in the inner body wholly or in part for the purpose of creating stresses between the two bodies at the position of contact by the removal of the inner zones of the inner body in a metal working operation.

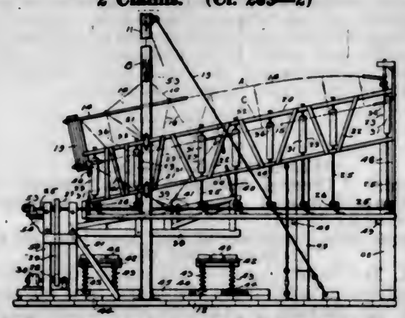
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2,115,841

**TESTING APPARATUS FOR AIRCRAFT**

Robert W. Case, Unionville, Conn.

Application February 6, 1936, Serial No. 62,673
2 Claims. (Cl. 265—2)



1. In an apparatus for simulating actual landing of an aircraft upon a landing surface and recording the resultant effect of impact and tail whip by drop testing, in combination, a jig, releasable hoisting connections for suspending a fuselage frame from said jig, resilient means located between said frame for damping the impact of said frame upon release from said hoisting connections, a superstructure carried by said jig, a plurality of recording rolls carried by said superstructure at spaced intervals longitudinally of said frame, means for rotating said rolls in unison, and graphic recording means carried by said frame for cooperation with each of said rolls for determining the force of impact of said fuselage frame and the extent of whip of the rear of said fuselage frame, said resilient damping means being also adapted to react after impact to impart a whipping action to said fuselage frame above and below the longitudinal axis passing through the center of gravity of the fuselage for recording by said graphic means on said rolls.



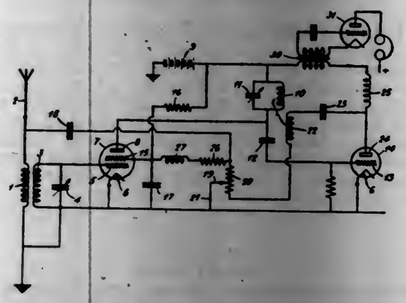
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2,115,842

**VOLUME CONTROL ARRANGEMENT**

Arthur Henry Cooper, Buckinghamshire, and William Cuthbert Corner, London, England, assignors to Electric & Musical Industries Limited, Middlesex, England, a British company

Application March 14, 1934, Serial No. 715,434
In Great Britain April 18, 1933
8 Claims. (Cl. 250—20)



2. In an amplifying device, the combination of a vacuum tube having a cathode, a control grid, a screen grid and a plate, a tunable input circuit connected to said control grid and cathode, a reactor coupled to said tunable circuit, a circuit including two resistors connected in series with a positive source of potential, a connection between the common terminal of said resistors and said screen grid, means for varying the direct current passing through said resistors, means for passing signal currents through said reactor and a circuit connected between the low potential terminal of said series resistors and the high potential terminal of said reactor.

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2,115,843

**SULPHONIC ACIDS FROM $SO_2$ EXTRACT OF LIGHT MINERAL OIL DISTILLATES**

Oliver H. Dawson, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 19, 1934, Serial No. 749,046
7 Claims. (Cl. 196—4)

1. The method of preparing an oil emulsion breaking compound, which comprises washing with alkaline material highly aromatic distillate obtained by the sulphur dioxide extraction of kerosene, treating the washed distillate with batches of strong sulphuric acid whereby batches of sludge are formed, discarding the first batch of sludge, combining the other batches of sludge, and removing free sulphuric acid from the combined batches of sludge.

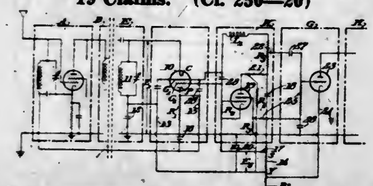
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2,115,844

**AUTOMATIC TRANSMISSION CONTROL**

Paul O. Farnham, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application April 7, 1932, Serial No. 603,849
19 Claims. (Cl. 250—20)



3. In a transmission system, the combination with a demodulator having an anode, of means for impressing on said anode a negative direct current potential, of means automatically reducing said impressed potential to a negligible value when the received signal energy exceeds a predetermined level and additional means for selecting the signal energy level at which said automatic means becomes operative.

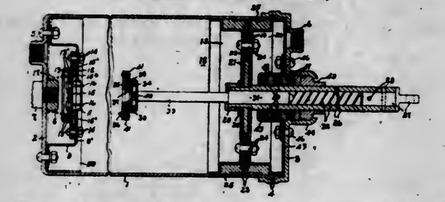
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2,115,845

**PRESSURE FLUID ENGINE**

Paris R. Forman, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y., a corporation of West Virginia

Application August 20, 1936, Serial No. 97,004
1 Claim. (Cl. 121—44)



In a vacuum engine of the type described the combination comprising a cylinder closed at both ends, a piston slidably mounted in the cylinder, a piston rod connected to the piston and projecting through one end of the cylinder, said cylinder having means for connecting either end thereof to a vacuum source, means at the other end of the cylinder forming a chamber isolated therefrom and having a large port and a restricted port opening into the cylinder, a valve member movable to open or close the larger port, and a valve slidably mounted on the piston comprising a ported seating member and a valve disc having a restricted port in alignment with the port of the ported member, said chamber means having a seat about the large port thereof for engagement by said ported member and said first valve being engaged by said ported member to unseat it whereby the speed of movement of the piston in either direction is reduced near the end of the stroke thereof.

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2,115,846

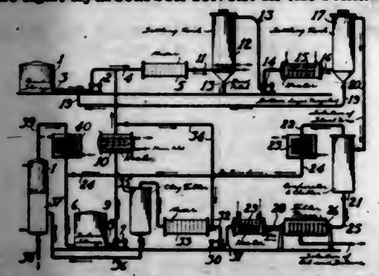
**PROCESS FOR OBTAINING VALUABLE PRODUCTS FROM PETROLEUM RESIDUES**

Per K. Frolich, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application March 17, 1933, Serial No. 661,202
6 Claims. (Cl. 196—13)

6. The method of obtaining valuable products from normally solid petroleum residues which

comprises diluting the residue with a light hydrocarbon at a temperature above the melting point of the residue, removing hard pitchy material remaining undissolved, reducing the density of the light hydrocarbon solvent in the remaining



solution by raising the temperature whereby the solution is caused to separate into two liquid layers, removing the bottom layer, chilling the top layer to a wax separation temperature, recovering the wax so precipitated and removing the light hydrocarbons from the remaining liquid.

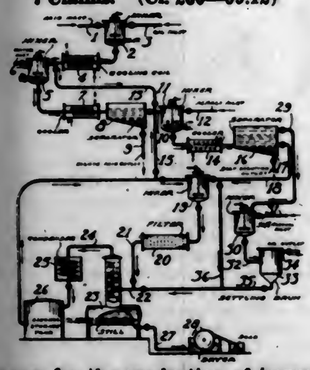
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2,115,847

**PROCESS FOR TREATING OILS WITH SULPHURIC ACID AND FOR PREPARING IMPROVED WETTING AGENTS AND DETERGENTS**

Edwin J. Gohr, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application November 9, 1934, Serial No. 752,284
7 Claims. (Cl. 260—99.12)



6. Process for the production of improved detergents comprising intimately mixing fuming sulphuric acid with an acid reactive essentially aliphatic hydrocarbon oil of more than 8 carbon atoms for a period less than one minute while maintaining the temperature in the range from 30° to 175° F., immediately reducing the concentration of the excess sulphuric acid to less than 60%.

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2,115,848

**EPHEDRINE COMPOSITION**

Dudley H. Grant, Watchung, N. J., assignor to Stanco Incorporated, a corporation of Delaware

No Drawing. Application December 29, 1934, Serial No. 759,769
3 Claims. (Cl. 167—58)

1. A concentrated nasal douche adapted for dilution with four parts of water before use, comprising an aqueous solution containing, per 1,000 c. c. of water, approximately 7 grams of ephedrine hydrochloride, 22 grams of sodium chloride, 0.52 gram of methyl para hydroxy benzoate, 17 grams of borax, 17 grams of sodium bicarbonate and 22 c. c. of glycerine.

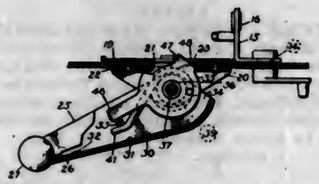
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2,115,849

**PRIMARY VOTING MECHANISM**

Alvin N. Gustavson, Jamestown, N. Y., assignor to Automatic Voting Machine Corporation, a corporation of Delaware

Application July 7, 1936, Serial No. 89,341
3 Claims. (Cl. 235—55)



1. In a voting machine having a horizontally arranged row of candidate indicators, a lever mounted for pivotal movement on said machine adjacent said row of indicators, a bar connected with and adapted to actuate said indicators, pivotal means engaged with and adapted to actuate said bar, said pivotal means having yieldable connection with said lever and serving to prevent transmission of movement of said lever to said bar under predetermined conditions.

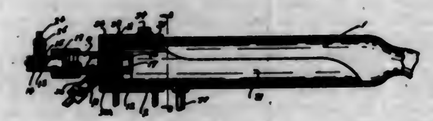
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2,115,850

**OIL BURNER**

Clayson R. Hammond, Salem, Oreg., assignor of fifty-five percent to Herbert E. Foster, Salem, Oreg.

Application June 23, 1936, Serial No. 86,855
7 Claims. (Cl. 158—56)



1. An oil burner including a vaporizing chamber, a cap for one end thereof, a nipple carried by the cap extending inwardly from the end wall of the cap toward and into the vaporizing chamber, a fuel pipe terminating in a nozzle opening into the vaporizing chamber, and a water jacket surrounding the fuel pipe to the point of the nozzle, said water jacket and fuel pipe being adjustable longitudinally of the nipple.

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2,115,851

**PROCESS FOR PRODUCING AMMONIUM NITRATE**

Stanley L. Handforth and Kenneth C. Simon, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application January 10, 1935, Serial No. 1,109
5 Claims. (Cl. 23—1.03)

1. The method of producing solid ammonium nitrate in predetermined size particles having a predetermined density between 0.55 and 0.80 and of such degree of fineness that substantially the



greater part will pass a 10-mesh screen, but will be retained on a 35-mesh screen, which comprises spraying a solution of the ammonium nitrate by means of a disc revolving at a peripheral speed of 15 to 45 feet per second while maintaining the temperature of the solution supplied to the spray disc substantially at the solidification point, but sufficiently high to assure fluidity, and the concentration of the solution within a solidification point range between 142 and 148° C.

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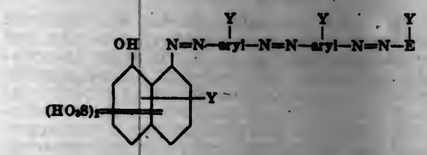
2,115,852

**AZO DYES**

Chester W. Hannum and Swanie S. Rossander, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 8, 1937, Serial No. 152,527
4 Claims. (Cl. 8—5)

4. The process which comprises dyeing cellulose with a compound represented in the form of its free acid by the formula:



in which aryl is one of the group consisting of benzene and alpha-naphthylamine, at least one of the said aryls having a water-solubilizing group from the class consisting of carboxylic acid and sulfonic acid, E is one of the group consisting of benzene and phenyl pyrazolone, having a free amino group, and Y is at least one of the group consisting of hydrogen, alkyl, alkoxy, and halogen, diazotizing the color on the fiber, and coupling it to one of a group of compounds consisting of beta-naphthol, 1-phenyl-3-methyl-5-pyrazolone, meta-tolylene-diamine and acetoacetarylide.

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2,115,853

**DISPENSING CARTON**

Richard T. Hill, Menasha, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin

Application March 19, 1936, Serial No. 69,710
4 Claims. (Cl. 206—58)



2. A box for receiving and dispensing a roll of web material including a top, rear, bottom and front walls, said front and rear walls having interlocked end flaps, said top wall having a tucked in end flap folded over said end flaps, a hinged panel overlapping said front wall, said panel having stop portions at each end thereof tucked in under one of said interlocked end flaps.

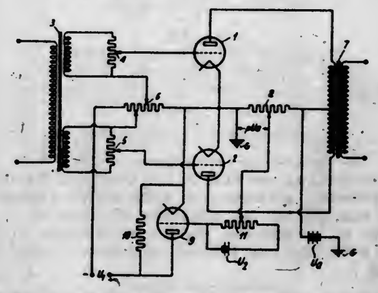
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2,115,854

**PUSH-PULL AMPLIFIER**

Rudolf Hofer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application June 15, 1935, Serial No. 26,740
In Germany May 29, 1934
3 Claims. (Cl. 179—171)



3. In a relay circuit, a thermionic tube including an anode, a cathode and a grid electrode, a grid electrode to cathode circuit including a resistor element, an anode to cathode circuit including a source of space current for the tube, a second electronic tube having an anode, a cathode and a control electrode, means for connecting the cathode of the second tube to the cathode of the first tube, an anode to cathode circuit for said second tube including a source of space current and said first named resistor in series, a control electrode to cathode circuit for the second tube including a direct current source of potential connected with its negative terminal nearest the control electrode of the second tube and at least a portion of said source of space current in series, whereby the potential applied to the control electrode of the second tube with respect to the cathode thereof is the difference between the potentials of said two series sources.

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2,115,855

**CATHODE RAY TUBE**

Herbert Edward Holman, Garden City, Yiewsley, England, assignor to Electric & Musical Industries Ltd., Hayes, England, a corporation of Great Britain

Application October 1, 1936, Serial No. 103,511
In Great Britain May 23, 1935
14 Claims. (Cl. 250—27.5)



2. The method of forming a metal mesh screen which includes the steps of forming a matrix having grooves corresponding to the finished screen, coating the matrix with a layer of metal, removing the metal coating from the tops of the portions of the matrix between the grooves, and thereafter removing the matrix from the metal screen thus formed.

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2,115,856

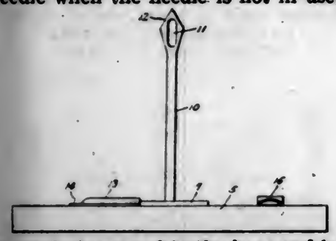
**CARPET RAG STRIP SPLICER**

Bessie A. Hulshizer, Cedar Rapids, Iowa

Application February 12, 1937, Serial No. 125,506
1 Claim. (Cl. 28—16)

In a device of the character described, a flat base having a plate thereon provided with a

threaded socket, a needle, having a shank provided with a threaded end for engaging the socket for supporting the needle perpendicularly to the base when in use, a shield secured to the top face of the base for accommodating the eye of the needle when the needle is not in use, and a



clip secured at one end to the base and having a jaw member arranged in substantial alignment with said shield for engaging the shank of the needle to secure the needle in position on the base with the eye thereof arranged within the shield.

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**2,115,857**

**METHOD OF PRODUCING POTASSIUM NITRATE FROM POTASSIUM SULPHATE AND MIXTURES CONTAINING THE SAME**

Oscar Kaselitz, Berlin, Germany

No Drawing. Application December 29, 1932, Serial No. 649,330. In Germany January 28, 1932

8 Claims. (Cl. 23—102)

1. The method of producing potassium nitrate from materials containing potassium sulphate and from nitric acid, comprising acting on such material with nitric acid and cooling the solution thus obtained, for the crystallization of pure potassium nitrate, down to but not below the temperature at which the mother liquor becomes almost saturated with the double salt

$$KHSO_4.KNO_3,$$

and above the temperature at which the solution will on reaching equilibrium deposit crystals of said double salt thereby retaining substantially all the sulphate ions in a dissolved state.

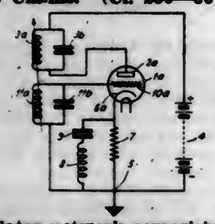
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**2,115,858**

**HARMONIC REDUCTION CIRCUITS**

Oswald Edward Keall, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware

Application October 5, 1935, Serial No. 43,687
In Great Britain October 10, 1934
2 Claims. (Cl. 250—36)



2. An oscillator network comprising a tube between whose input electrodes is connected a resonant circuit fixedly tuned to a desired frequency, and between whose output electrodes is connected a resonant circuit fixedly tuned to the same frequency, said circuits being reactively coupled in a regenerative sense, a resistor in the space current path of the tube connected to provide a biasing potential difference between the input electrodes, and means in shunt with said resistor acting to short circuit the latter for currents of said frequency, but acting as an open circuit for currents of harmonic frequency and said input electrodes being connected to said resistor so that harmonic voltage developed across the latter is impressed in degenerative phase between the former.

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**2,115,859**

**STITCH-DOWN SHOE**

Harry C. King, Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application November 23, 1936, Serial No. 112,230
10 Claims. (Cl. 36—16)



1. In a shoe, an upper having an outturned marginal portion, a plurality of separate and complete sole members one of which has an opening in its forepart surrounded by a rand, another of which has a projection thereon complemental to said opening, and at least one of which underlies the outturned marginal portion of the upper, none of said sole members overlying the outturned marginal portion of the upper, and a line of stitching securing together the outturned marginal portion of the upper and the portions of the sole member or members that underlie said marginal portion.

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**2,115,860**

**LATCH FOR HIGH CHAIR TABLES**

Samuel Kroll and Nathan J. Kroll, Chicago, Ill.

Application May 21, 1937, Serial No. 143,894
9 Claims. (Cl. 155—127)



2. An adjustable latch slide device comprising a track and a cooperating slide member each having an elongated channel-like formation constructed to fit one within the other, said slide member being mounted on an object which is movable with respect to another object on which the track member is mounted, the movable object being moved to bring said members into cooperative relation with said channel-like formations slidably fitting one within another, the inner channel formation having an elongated free edge portion provided with spaced-apart detent latching means and the outer channel formation having releasable detent means projecting therethrough into latching engagement with said latching means.

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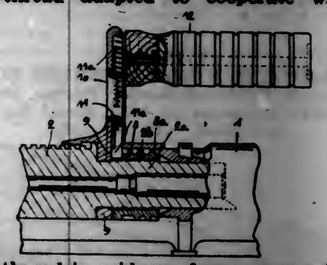
**2,115,861**

**MACHINE GUN**

René Laloux, Brussels, Belgium

Application September 5, 1936, Serial No. 99,649
In Belgium September 25, 1935
5 Claims. (Cl. 42—75)

1. A machine gun or similar firearm comprising a gun frame provided with an internal interrupted screw, a barrel having an extension provided with an external screw-thread, an internally threaded ring mounted on said barrel extension and provided with an external interrupted screw-thread adapted to cooperate with the



screw-thread in said gun frame, a carrying and actuating handle mounted on said barrel extension to freely rotate around the same, and means for detachably rigidly securing said handle to the ring to rotate the latter.



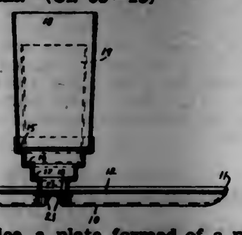
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**2,115,862**

**SERVING DEVICE**

Louis A. Leppke, Omaha, Nebr.

Application April 23, 1937, Serial No. 138,625
1 Claim. (Cl. 65—15)



In a serving device, a plate formed of a piece of metal and having an upturned edge portion, a horizontal, raised seat having a plurality of slots therein, radial ribs formed integrally with the plate and the raised seat, a holder member formed of a piece of metal, said holder member being hollow and having a plurality of shoulders stepped inwardly from the top and spaced vertically apart, a tubular portion depending from the inner edge of the lower shoulder and received on the seat, and a plurality of ears on the tubular portion received through the slots of the seat and turned inwardly against the under side of said seat.

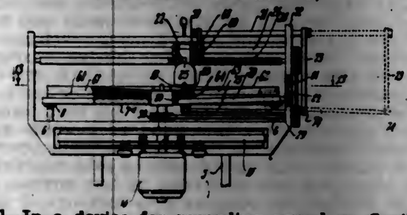
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**2,115,863**

**RECORDING DEVICE**

Maurice A. Lichten, Long Island City, N. Y., assignor to Fidelitone Records, Inc., New York, N. Y., a corporation of New York

Application December 4, 1935, Serial No. 52,787
25 Claims. (Cl. 274—9)



1. In a device for recording sound on flexible records, record-rotating means, a stylus presenting an inclined portion at its tip to the body of the record, means to move said stylus across the record, and means to alter the angularity of the stylus with respect to the vertical during its movement radial of the record so as to compensate for the tendency of the stylus to cut a lighter groove at an outer point on the record than at an inner point due to the greater speed of movement at said outer point.

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**2,115,864**

**BOAT OR OTHER VEHICLE**

Carl R. Livermon, Roxobel, N. C.

Application May 21, 1935, Serial No. 22,620
27 Claims. (Cl. 9—1)



1. A vehicle, an axle member mounted on the vehicle and having a tapering socket, a wheel, a shaft on which the wheel is journalled having an end seatable on the bottom of the socket, and coupling means at the outer end of the socket and on the shaft being fully connected when its end is seated.

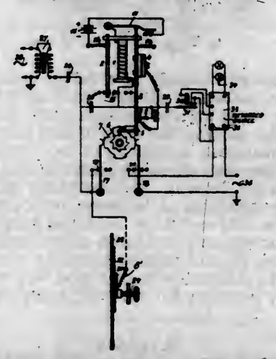
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**2,115,865**

**ELECTROMAGNETIC RELAY**

Oskar Lühn, Rodelheim, near Frankfort-on-the-Main, Germany

Application August 31, 1935, Serial No. 38,797
In Germany April 12, 1935
8 Claims. (Cl. 175—320)



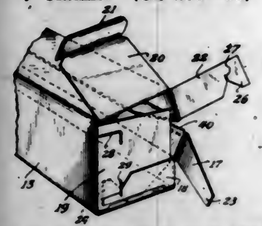
1. An electro-magnetic relay for operating switches and the like, comprising an electromagnet, a switch-operating armature for said magnet, a circuit for said magnet including a source of direct current, a resistor in said circuit attached to the armature and operative to prevent normally a flow of current through the magnet and to allow such flow when influenced by pulsations of current, an electric spark producer, means for maintaining said spark producer under static tension, means for actuating said spark producer, and connections between said spark producer and the resistor for transmitting to the latter impulses produced by the sparking and causing the electro-magnet to be energized.

2,115,866
**DOUBLE GRID ELECTRON TUBE AND CIRCUIT**
Heinz Lux, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Original application November 16, 1932, Serial No. 642,845. Divided and this application May 27, 1936, Serial No. 82,001. In Germany November 17, 1931
6 Claims. (Cl. 250—27.5)



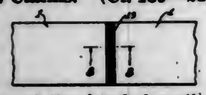
1. An electron discharge device comprising an electron emitting electrode, an electron receiving electrode in cooperative relation with said first electrode, said electrodes being disposed one within the other, and insulating means interposed between only the aligned portions of said electrodes for preventing the flow of electrons in a rectilinear path between said electrodes.

2,115,867
**DISPENSING CARTON**
Palmer B. McConnell, Appleton, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application March 19, 1936, Serial No. 69,711
7 Claims. (Cl. 206—58)



1. A box for a supply of a rolled web including a top, rear, bottom and front wall, said front wall extending short of the bottom wall, overlapping end flaps for closing the ends of said box, a hinged panel overlapping a portion of said front wall to provide a passage therebetween for the web, said hinged panel having end portions movable in frictional engagement between overlapping portions of the said end flaps, said end portions being so constructed and arranged as to limit the outward swing of said hinged panel to such limited extent as to retain the end of said web within said passage in position for manual grasping thereof.

2,115,868
**DEVICE FOR TERRACING GRAVES**
Earl C. McIntosh, St. Louis, Mo.
Application November 6, 1935, Serial No. 48,499
2 Claims. (Cl. 189—21.1)



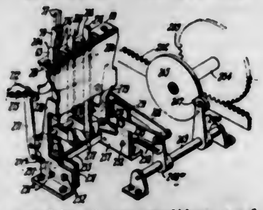
2. A device of the kind described comprising, sheet metal side members of angle section provided with a reenforcing flange extending lengthwise thereof, separate sheet metal end members of angle section provided with a reenforcing flange extending lengthwise thereof, said reenforcing flange on said members extending longitudinally along the lower edge thereof to stiffen the same and form a supporting foot and anchor to be covered by earth, said end members being bent to form corners, means within the angle for securing said end and side members together.

2,115,869
**METHOD OF MAKING WIREBOUND BOXES**
Walter F. Newhouse, Benton Harbor, Mich.
Application November 18, 1935, Serial No. 50,278
16 Claims. (Cl. 140—93)



1. The process of making wirebound box or crate blanks, by feeding the blanks successively into position to have the wires secured thereto by the insertion of staples, comprising the cutting of the wires between the adjacent ends of two successive blanks before the wires are stapled to the second blank, stapling the wires to the second blank, thereafter cutting the wires between the rear end of the second blank and the front end of the next or third blank, thereafter stapling the wires to the third blank, and repeating said cutting and stapling operations for each succeeding blank.

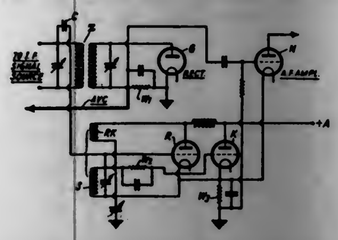
2,115,870
**COMBINED TYPEWRITING AND COMPUTING MACHINE**
Henry L. Pitman, Westfield, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application August 2, 1930, Serial No. 472,610
60 Claims. (Cl. 235—60)



1. In a combined typewriting and computing machine having a carriage and a series of registers, each register having a group of index pin-bars, a set of horizontal denominational rock-shafts extending across the machine, distributing arms operated by said rock-shafts and arranged in groups, one set of arms for each set of pin-bars, each rock-shaft also having a single master-arm whereby it is operated, a row of connections for operating said master-arms, a carriage-tappet, jacks operable by said tappet for actuating said connections, rock-shafts and pin-bars, preparatory to a digit-indexing operation, sets of couplers operable by said distributing arms, and means carried by the carriage to shift the sets of couplers into and out of use selectively, each coupler being shiftable relatively to its pin-bar.

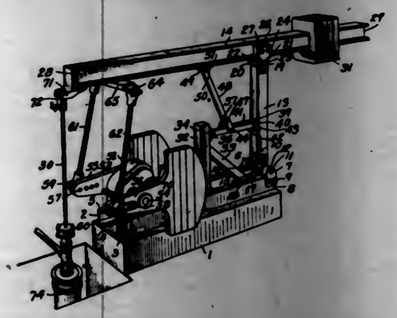


2,115,871
**AUTOMATIC RECEIVER GAIN CONTROL CIRCUITS**
Helmut Pitsch, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 9, 1936, Serial No. 104,768
In Germany October 18, 1935
9 Claims. (Cl. 250—20)



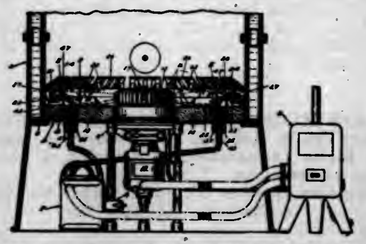
1. In combination with a signal transmission tube, means normally operative to block signal transmission through said tube, a highly selective tuned signal input circuit connected to said blocking means, means in said input circuit for rendering the blocking means inoperative when signals of the frequency of said input circuit are impressed on the latter, and means, responsive to said signals, for regeneratively feeding back signals to said input circuit thereby to increase the selectivity of the latter to a substantially greater degree.

2,115,872
**STRAIGHT LIFT PUMPING JACK**
Albert N. Porter, Tulsa, Okla., assignor to J. F. Darby, Tulsa, Okla.
Application August 21, 1936, Serial No. 97,162
2 Claims. (Cl. 74—103)



1. A pumping apparatus including a support, a beam supporting member, means pivotally anchoring the beam supporting member on the support for oscillatory movement, means for oscillating the beam, a toggle joint having one end pivotally connected with the beam supporting member at a point above the support, a fixed post spaced from the beam supporting member, means pivoting the other end of the toggle joint to the fixed post at a point spaced above said pivotal mounting means, and a link connecting the toggle joint with the beam for actuating the toggle joint incidental to oscillation of the beam to oscillate the beam supporting member.

2,115,873
**IGNITING DEVICE FOR LIQUID FUEL BURNERS**
Milton A. Powers, Detroit, Mich., assignor, by mesne assignments, to The Timken-Detroit Axle Company, a corporation of Ohio
Application June 20, 1934, Serial No. 731,562
14 Claims. (Cl. 175—115)

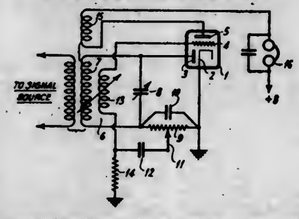


1. In a liquid fuel igniting and burning apparatus, a metallic carbureting element; means for projecting fuel toward said carbureting element; means for igniting said fuel, comprising at least two electrodes spaced stationarily disposed in proximity to definite spaced portions of each other and from said carbureting element; and means for establishing electric arcs between said electrodes and said definite spaced portions of said carbureting element, said carbureting element forming between said definite spaced portions a part of the circuit for said last-named means.

2,115,874
**HYDRATION OF ETHERS**
Charles W. Rehm, Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application November 9, 1935, Serial No. 49,036
13 Claims. (Cl. 260—156)

1. The process for hydrating an aliphatic ether, which comprises reacting in the vapor phase an aliphatic ether and water vapor in the presence of a catalyst consisting of alumina activated by treatment with aluminum sulfate.

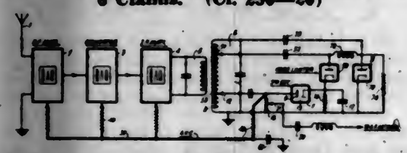
2,115,875
**REGENERATIVE DETECTOR**
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 30, 1936, Serial No. 108,426
2 Claims. (Cl. 250—27)



1. In combination, in a detector network, an electron discharge tube provided with a diode section and an amplifier section, a tuned signal input circuit connected to the diode section and including means for rendering the diode capable of detecting signals, means for impressing the audio component of detected signals upon the control grid of the amplifier section, an audio

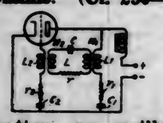
utilization means in the plate circuit of the amplifier section, means tightly coupling the plate circuit of the amplifier section with the detector input circuit to provide strong regenerative feedback thereto; and a reactive coupling between the control grid of the amplifier section and said detector input circuit whereby the amplifier section functions to regenerate signal currents, said reactive coupling being substantially less than said tight coupling and to an extent such that only a very small radio frequency current flows in said plate circuit.

2,115,876
**RECEIVER NOISE LIMITER CIRCUIT**
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 30, 1936, Serial No. 108,427
6 Claims. (Cl. 250—20)



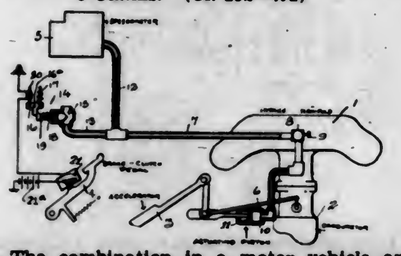
6. In combination with a source of signals and a load circuit, a diode detector, a resonant input circuit tuned to an operating frequency coupled to said signal source, means for impressing a predetermined fraction of the voltage across said input circuit upon said detector electrodes, a second diode having its electrodes connected across a greater portion of said input circuit whereby a greater voltage derived from the input circuit is impressed between the second diode electrodes, an impedance common to the space current paths of both diodes, and means, responsive to a voltage derived from said input circuit, for producing an initial potential difference between the electrodes of the second diode such that the latter is substantially non-conductive in the absence of input circuit voltage above a predetermined value.

2,115,877
**ELECTRONIC OSCILLATOR TUBE**
Yves Rocard, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application November 15, 1935, Serial No. 49,886
In France November 24, 1934,
4 Claims. (Cl. 250—36)



1. In combination, an oscillation generator comprising a multi-electrode tube having a cathode, a grid electrode and an anode electrode, said grid electrode and anode electrode each connected to a circuit containing a definite ohmic resistance and coupling said anode and grid electrodes to the cathode of said tube, an oscillating circuit containing an ohmic resistance and coupled at the same time with said grid and anode circuits without being inserted in series in any of said circuits, the coupling degree between said oscillating circuit and said grid and anode circuits being so adjusted that the tube is maintained at oscillation entertaining limit, and means for making the frequency generated independent of internal resistances of the tube and of ohmic resistances of the external circuits, the said means comprising a first predetermined impedance in the grid circuit a second predetermined impedance in the anode circuit, there being a predetermined ratio of couplings between the oscillating circuit and the said anode and grid circuits respectively.

2,115,878
**CARBURETOR CONTROL DEVICE**
Hugh Redman, Chicago, Ill.
Application April 24, 1933, Serial No. 667,758
6 Claims. (Cl. 192—.01)



1. The combination in a motor vehicle and power plant assembly, a cylinder and piston unit connected with the accelerator, a vacuum line communicating with the cylinder and with the intake manifold, and having branch connections leading to the speedometer and to a relief valve, means in conjunction with the brake for controlling the relief valve to admit air to the vacuum line when the brake is pressed, and means in conjunction with the speedometer for automatically admitting air to the vacuum line when certain predetermined speeds are reached.

2,115,879
**CHAIR STRUCTURE**
Jackson D. Rogers, Bay Village, Ohio
Application October 11, 1937, Serial No. 168,366
3 Claims. (Cl. 155—194)



2. In a chair, complementary seat and back members of sheet metal, outwardly flanged along their contiguous edges and interconnected by means joining their flanges, and having correspondingly turned flanges at their side edges concealing said joined flanges when the chair is viewed from the side.

2,115,880
**TANNING PROCESS**
Otto Röhm, Darmstadt, Germany
No Drawing. Application October 8, 1937, Serial No. 168,051. In Germany October 24, 1936
9 Claims. (Cl. 149—5)

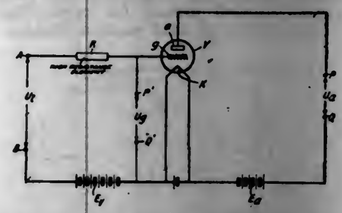
1. Tanning process characterized by treating skins or leather with oxalic acid solutions of water-insoluble phosphates of metals the compounds of which are used for tanning purposes.

2,115,881
**RELAY CIRCUIT**
Hans Otto Roosenstein, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie
Application February 23, 1935, Serial No. 7,923
In Germany February 17, 1934
3 Claims. (Cl. 250—27)

1. An electrical relay circuit including a thermionic tube having an anode, a cathode and a

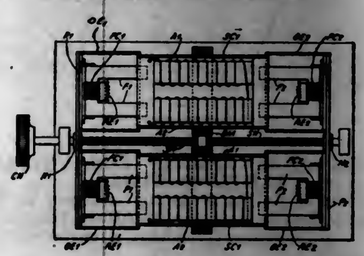


grid electrode, means for energizing the cathode, means for establishing a flow of space current between the anode and cathode and means for applying a positive potential on the grid electrode with respect to the cathode, an input circuit for the tube connected between the grid electrode and the cathode and including in series the last named



means, a pair of input terminals and a resistor element, said resistor element having a resistance value which is high as compared to the internal resistance of the tube measured across the grid electrode and the cathode and an output circuit connected directly across the grid electrode and the cathode.

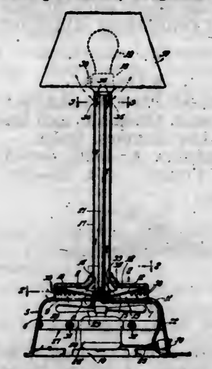
2,115,882
**ADJUSTABLE TUNING INDUCTOR**
Noël Meyer East and Robert Francis O'Neill, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application February 25, 1935, Serial No. 8,068
In Great Britain April 6, 1934
5 Claims. (Cl. 178—44)



1. A resonant network comprising at least two spaced bodies of magnetic material constructed and arranged to provide a closed magnetic circuit, said material being characterized by its low eddy current losses at high frequencies, a coil operatively associated with the magnetic circuit, a metallic cylindrical screen member surrounding the coil, a second metallic cylindrical screen member surrounding one of said bodies, said two screens being co-axially disposed, means connecting one terminal of the coil to the first screen member, means connecting the other terminal of the coil to the second member, the capacity between the two screen members cooperating with the inductance of said coil to tune the network.

2,115,883
**LAMP**
Samuel Sher, Chicago, Ill.
Application April 21, 1937, Serial No. 138,222
6 Claims. (Cl. 230—249.5)

1. A device of the class described and in combination, a base member having a plurality of chambers formed therein, a hollow lamp supporting column mounted on said base, said column having apertures therein adjacent its lower and upper end portions, respectively, and a fan
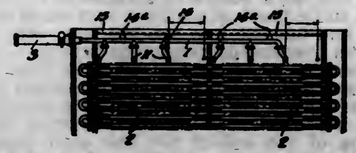


mounted in said base for circulating air through said chambers, column and apertures.

2,115,884
**PROCESS FOR THE ALKYLATION OF COMPOUNDS AND THE ISOMERIZATION AND CONVERSION OF ALKYL-COMPOUNDS**
Karl Schöllkopf, Dusseldorf-Oberkassel, Germany, assignor to the firm Rheinische Kampfer-Fabrik G. m. b. H., Dusseldorf-Oberkassel, Germany
No Drawing. Application August 22, 1929, Serial No. 387,819. In Germany September 17, 1928
6 Claims. (Cl. 260—168)

1. In the alkylation of organic compounds, the process which comprises reacting together at elevated temperatures an olefinic hydrocarbon and an aromatic hydrocarbon selected from the group consisting of benzene and naphthalene, in the presence of an activated hydro-silicate catalyst.

2,115,885
**SOOT BLOWING AND CLEANING APPARATUS FOR BOILERS, ECONOMIZERS, OR THE LIKE**
John William Leslie Simpson, Littleover, Derby, England
Application June 2, 1936, Serial No. 83,170
In Great Britain June 11, 1935
2 Claims. (Cl. 122—392)



1. A soot blower, for removing soot and other deposits from the exterior of tubes arranged in banks, comprising a pressure fluid supply tube adapted to be located close to one side of a bank of tubes and longitudinally relatively thereto, means for reciprocating said supply tube axially during passage of cleaning fluid therethrough, a transverse tubular element projecting from said supply tube, a rake like arrangement of nozzles on said transverse tubular element so arranged that they project streams of pressure cleaning fluid therefrom along intersecting planes for the purpose set forth, a pair of guide rails parallel with and narrowly spaced from said supply tube, rollers carried by the said supply tube and each

engaged with and located between said pair of guide rails, an outer pair of guide rails, and rollers carried by the outer ends of said transverse tubular element running on said outer rails.

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2,115,886
**COLOR PHOTOGRAPHY**
Chalmers C. Smith, Glendale, and Ray H. Pinker, Los Angeles, Calif.
Application January 8, 1936, Serial No. 58,108
6 Claims. (Cl. 95—2)

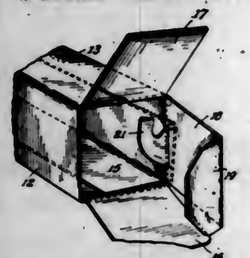



1. Means for recording colored objects comprising a mosaic screen of mixed blood corpuscles dyed in differing colors, and a light sensitive material positioned to receive light passing through said screen.

3. A color screen in the form of a mosaic layer of blood corpuscles comprising at least two corpuscle groups dyed a different color and having a different average size.

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2,115,887
**DISPENSING CARTON**
Frank Spilski, Menasha, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application March 19, 1936, Serial No. 69,712
2 Claims. (Cl. 206—58)

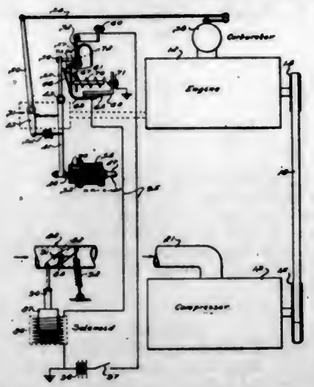


1. A box for a supply of a rolled web formed from a single blank of material, said blank being scored and foldable into box-like form with two panels in overlapping relation to provide a passage for the withdrawal of the web from the box, a wall adjacent said overlapped panels having slots at each end thereof, a hinged panel adjacent the overlapped panels to permit ready grasping of the end of the web after passing through said passage, said hinged panel being provided with folded hooked portions at the ends thereof inserted in said slots for limiting the outward swinging thereof.

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2,115,888
**CONTROL SYSTEM FOR AIR COMPRESSORS**
Allen C. Staley, Birmingham, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application October 2, 1933, Serial No. 691,813
6 Claims. (Cl. 230—4)

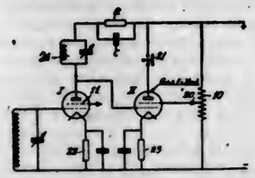
1. In combination, an air compressor, a load control valve for said compressor operable to open and closed positions independently of the operating parts of said compressor to admit and to prevent admission of air to said compressor, valve operating means normally tending to close said valve, an air tank communicating with said compressor for receiving air delivered by the compressor, motive means for operating said compressor, means for delivering air from the tank, speed control means for controlling the speed of operation of said motive means, valve



operating means for overcoming the action of said first named valve operating means and to open said valve, means responsive to the pressure in said tank for controlling the operation of said speed control means, and means operable by said pressure responsive means and in response to a predetermined pressure in said tank for rendering inoperative said second named valve operating means whereby said first named valve operating means closes said valve.

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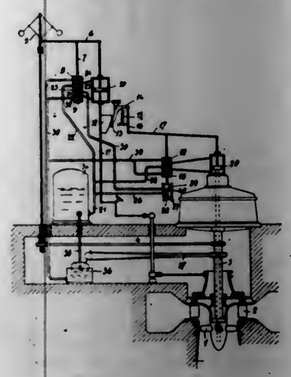
2,115,889
**CIRCUIT ARRANGEMENT FOR COUPLING ELECTRON TUBES**
Karl Steimel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 17, 1933, Serial No. 685,623
In Germany August 17, 1932
5 Claims. (Cl. 179—171)



1. A vacuum tube arrangement comprising the combination of an amplifying tube having a cathode, a grid, and a plate, a tunable input circuit connecting said cathode and grid, a tunable output circuit connected to said plate and means to cause regeneration of said tunable output circuit comprising a second tube having a gas filled envelope, a cathode, a control grid and a plate positioned in said envelope, a lead conductively connecting said control grid to the plate of said amplifying tube and a direct current connection between the cathodes of said tubes.



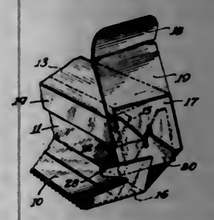
2,115,890
**HYDRAULIC TURBINE GOVERNOR**
Dieter Thoma, Munich, Germany
Application March 21, 1936, Serial No. 70,067
In Germany April 1, 1935
18 Claims. (Cl. 253—143)



1. A turbine comprising in combination an adjustable runner mechanism, an adjustable guide mechanism associated therewith, a control member operatively connected with said runner mechanism, another control member operatively connected with said guide mechanism, and means for governing said control members into correlated positions, said means comprising mechanism adapted to check the opening movement of one control member in dependency upon the amount about which the other control member lags behind the position correlated to the position which the first control member occupies at that instant.

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2,115,891
**DISPENSING CARTON**
Lester A. Tishler, Brooklyn, N. Y., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application April 15, 1936, Serial No. 75,685
3 Claims. (Cl. 206—58)



2. A box for receiving and dispensing a roll of web material including a top, rear, bottom and front walls, said front and rear walls having interlocked end flaps, said top wall having a tucked-in end flap folded over said end flaps, a hinged panel overlapping said front wall, said panel having stop portions at each end thereof tucked in under one of said interlocked end flaps, said top and front walls being provided with a depression adjacent the free end of said hinged panel for the insertion of a finger to engage a portion of the web material to initiate the withdrawal thereof from the box.

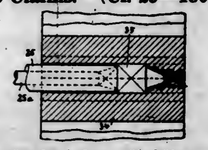


2,115,892
**PREPARATION OF HEXOIC ACIDS**
Walter J. Toussaint, Charleston, W. Va., assignor by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application September 18, 1936, Serial No. 101,412
15 Claims. (Cl. 260—116)

1. A process for preparing hexoic acids, which comprises oxidizing a hexaldehyde in the presence of a soluble compound of copper as the sole catalyst material.

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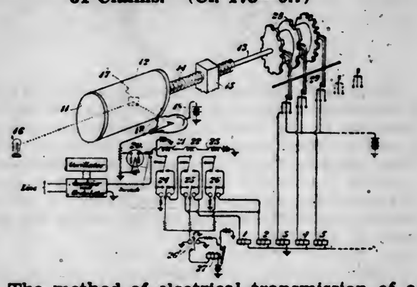
2,115,893
**METHOD OF CORING, DIVIDING, AND CONDENSING INGOTS OF CRUCIFORM CROSS-SECTION**
Ignatz Urbaniak, Hindenburg, Oberschlesien, Germany
Application November 11, 1935, Serial No. 49,232
In Germany November 20, 1934
5 Claims. (Cl. 29—160.4)



1. A method of coring, dividing, and condensing metal and steel ingots of cruciform cross-section having the shrinkage cone at one end, consisting in compressing the ingot in hot condition between dies, and extruding from the ingot in the direction of the shrinkage cone, the core portion bounded by the wings thereof so as to separate said wings from one another and from the core.

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2,115,894
**APPARATUS AND METHOD FOR THE ELECTRICAL TRANSMISSION OF PICTURES**
Edward F. Watson, Larchmont, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 15, 1923, Serial No. 681,006
31 Claims. (Cl. 178—6.7)



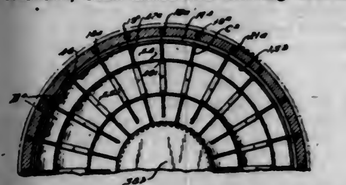
1. The method of electrical transmission of a picture which consists in testing successive elements of the picture to be transmitted and sending a code signal only at every change of shade to indicate the shade and the position at which the change occurs.

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2,115,895
**POWER TRANSMITTING DEVICE**
Karl Weihmann, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application May 14, 1934, Serial No. 725,571
9 Claims. (Cl. 103—115)

1. In a fluid coupling rotor, an annular dished

cover structure, a plurality of fluid passage forming members within said cover structure and secured thereto, said members having circumfer-



entially spaced substantially radially extending vane portions, said members having circumferentially extending portions overlapping each other.

### 2,115,896
### RUBBER SUBSTITUTES

**Peter J. Wiezevich, now by judicial change of name Peter J. Gayler, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware**

No Drawing. Application December 30, 1933, Serial No. 704,791

9 Claims. (Cl. 260—2)

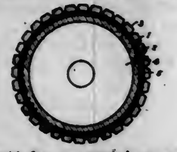
7. The method of preparing plasticized rubber substitutes, which comprises precipitating a highly polymerized normally hard, brittle vinyl compound from solution in the presence of a plasticizer boiling above 200° C. which is liquid at room temperature and at least partially soluble in the polymerized compound.

### 2,115,897
### ABRASIVE ARTICLE

**Charles E. Woeddell and Charles S. Nelson, Niagara Falls, and Roy Lincoln, Buffalo, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware**

Application May 15, 1935, Serial No. 22,144

1 Claim. (Cl. 51—188)



An abrasive article comprising a flexible band, a plurality of blocks of bonded abrasive material attached to said band by a resin layer containing a major proportion of a synthetic resin, said layer being flexible enough to permit the band to bend between the blocks, and strong enough to retain the band flat against the blocks and to prevent the blocks from yielding locally under the pressure of grinding.

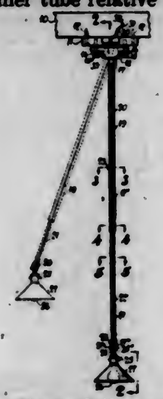
### 2,115,898
### SUPPORT

**Joseph Zagora, Charlotte, N. C.**

Application December 7, 1936, Serial No. 114,593

2 Claims. (Cl. 248—323)

2. A support comprising a pair of tubes having outer ends and telescoping inner ends, the outer tube being slotted from near its outer end to its extreme overlapping or inner end, and the outer tube having a projection near its inner or overlapping end extending across the slot in said outer tube, the inner tube being slotted from its outer end to its extreme inner or overlapping end and frictionally and resiliently engaging the inner surface of the outer tube, the inner tube having a projection extending through the slot in the outer tube and being adapted to engage the projection on the outer tube to limit outward movement of the inner tube relative to the outer tube



and also preventing relative rotative movement between the two tubes, and means for supporting the outer end of one of the tubes.

### 2,115,899
### GAUGE GLASS INDICATOR

**Charles Lord Blackburn, London, England, assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan**

Application January 7, 1935, Serial No. 777

In Great Britain January 9, 1934

4 Claims. (Cl. 73—293)



1. In a liquid level indicating arrangement, the combination of a transparent liquid level gauge so arranged that two horizontal rays of light incident on the gauge respectively above and below the liquid level will be deflected by the gauge through different angles, an illuminating device comprising a plurality of narrow vertical strips of light disposed side by side one set of alternate strips being visually distinguishable from the other set of alternate strips, an optical element in whose focal plane the illuminating device is located and from which the light from the illuminating device is directed on to the gauge so that the beam from any one vertical strip is divided by the gauge into two separate emergent beams diverging at an angle to one another respectively above and below the liquid level, a mask having spaced vertical slots in it for cutting off the lower emergent beams derived from one set of alternate strips and the upper emergent beams derived from the other set of alternate strips, and ray-deflecting devices associated with the slots in the mask for deflecting the remaining emergent beams from each slot at such respective angles that continuous vision of the slots is obtained.

### 2,115,900
### DOOR RETAINER

**Roy E. Blue, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware**

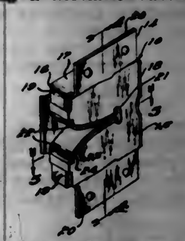
Application March 8, 1937, Serial No. 129,567

4 Claims. (Cl. 16—86)

1. In a door retainer including a support having opposed faces adapted to receive a door re-



taining lug therebetween, and a guard for said faces including a metallic backing and a liner



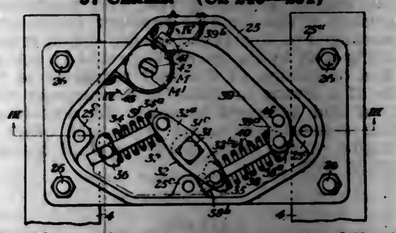
comprising a sheet of porous metal having a substantial absorbed lubricant content rigidly bonded to said backing.

### 2,115,901
### RAILWAY SWITCH OPERATING APPARATUS

**Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania**

Application November 19, 1936, Serial No. 111,641

37 Claims. (Cl. 246—291)



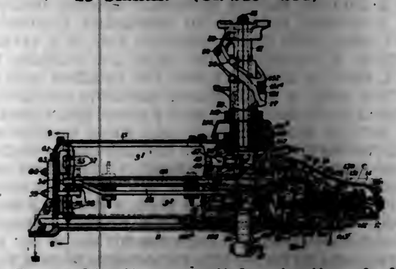
34. The combination with a switch of the type adapted to be trailed, of means for normally biasing said switch to one extreme position, latch mechanism, spring means operatively connected with said latch mechanism and with said switch and effective when said switch is moved from one extreme position to the other for exerting a force on said switch which biases said switch to its other extreme position if said latch mechanism is then latched in a predetermined position, and means for latching said latch mechanism in said predetermined position when a train trails said switch.

### 2,115,902
### RAILWAY SWITCH OPERATING APPARATUS

**Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania**

Application March 2, 1937, Serial No. 128,645

19 Claims. (Cl. 246—284)



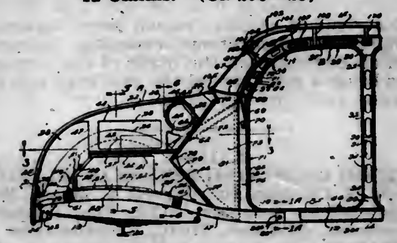
1. In combination, a switch actuating shaft, a star block, means for connecting said star block with and disconnecting it from said shaft, an electromagnetic latch, biasing means, and means controlled in part by said latch for connecting said biasing means with said star block in such manner that said biasing means is effective when said latch is deenergized to bias said star block to one position but becomes effective if said star block is rotated away from said one position more than a predetermined distance when said latch is energized for biasing said star block to another position.

### 2,115,903
### MOTOR VEHICLE BODY

**Carl Breer, Grosse Pointe Park, Alexander G. Herreshoff, Grosse Pointe Village, Oliver H. Clark, Detroit, and Robert Cadwallader, Highland Park, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware**

Application March 11, 1935, Serial No. 10,403

41 Claims. (Cl. 296—28)



5. In a motor vehicle body structure having a driver's compartment, a pair of laterally spaced hollow beam structures extending forwardly of said compartment and downwardly to form the front end of the body structure, ground wheel supporting means associated with said hollow beam structures and adapted to transmit at least a portion of the body supporting forces upwardly through said hollow beam structures and rearwardly therethrough toward said compartment, each of said hollow beam structures providing a wheelhouse, said body structure including laterally spaced door column structures forwardly at the sides of said compartment, means for structurally connecting said hollow beam structures respectively to said door column structures, said connecting means including a reinforcing beam structurally connected to each of said hollow beams and curved respectively about at least a portion of said wheelhouses, said reinforcing beams being structurally connected to the lower ends of said door columns, and an inclined brace intermediate each of said reinforcing beams and said door columns.

29. In a motor vehicle body structure, fabricated top rail structures each including an outer body panel curved upwardly and inwardly to provide a roof supporting structure, bottom rail structures, front and rear door columns connecting said rail structures, said front columns and said top rail structures defining marginal portions of a door opening, a front wheel supporting structure extending forwardly of said front columns and including a frame structure constructed and arranged to mount said wheels and the motor vehicle power plant, and a plurality of load transmitting strut means respectively disposed at the sides of said vehicle and extending upwardly and rearwardly from points adjacent the front end of said frame structure, and means for structurally connecting said load transmitting means to said front columns at points intermediate the height thereof and so constructed and arranged to transmit at least a portion of the load on said frame

structure compressively through said load transmitting strut means and through the portions of said front columns above said connecting means to said top rail structures.

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2,115,904
**CURVED ABRASIVE FABRIC**
Robert C. Bryant, Niagara Falls, N. Y., assignor, by mesne assignments, to Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application October 4, 1934, Serial No. 746,837
Renewed October 4, 1937
5 Claims. (Cl. 51—278)



5. A strip of abrasive coated fabric having a plurality of corrugations extending inwardly from an edge thereof, the depth of the corrugations being a maximum at the said edge and decreasing away from the edge.

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2,115,905
**METHOD OF MAKING ESTERS OF GLYCOLS**
Gerald H. Coleman and Garnett V. Moore, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 21, 1935, Serial No. 45,963
10 Claims. (Cl. 260—106)

1. The method of making a glycol di-ester which comprises heating an alkylene dichloride with an alkali metal salt of a lower fatty acid at a reaction temperature between about 175° and about 250° C., in the presence of between about 0.02 and about 0.1 mol. of water per mol. of such salt.

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2,115,906
**REFLECTOR**
John B. Dickson, Huntington Woods, and Arthur R. C. Hatch, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 23, 1935, Serial No. 12,596
10 Claims. (Cl. 88—82)



1. In a reflector device of the character described, a unitary transparent body having a series of substantially contiguous reflecting units, each of said units comprising a light condensing rib projecting from one side thereof and a series of substantially contiguous reflector teeth associated therewith in collimating relation and projecting from the other side of said body and extending transversely of said rib, all the teeth on the transparent body extending in the same direction, said body being curved in the direction of said reflector teeth, said body diminishing in its thickness adjacent a bounding portion thereof which is spaced from a central portion thereof in the direction of curvature of said body and relative to said central portion to bring the teeth and associated ribs of units adjacent said bounding portion relatively closely together whereby to render the collimating action of said series of units substantially uniform.

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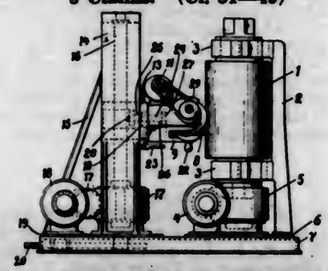
2,115,907
**WELT GUIDE**
Karl Engel, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 2, 1934, Serial No. 733,375
34 Claims. (Cl. 112—52)



1. Welt guiding mechanism for use in securing to an upper a corded-edged insole-attaching welt and an outsole-attaching welt, said mechanism comprising a welt guiding member constructed and arranged to engage the corded-edged insole-attaching welt by its corded edge and to control the line of motion of the welt relatively to the needle of a sewing machine, and a member constructed and arranged to space the outsole-attaching welt and the upper from each other in the region of the outer margin of said outsole-attaching welt.

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2,115,908
**ROLL GRINDING MACHINE AND METHOD**
Cyril A. Fox, Mars, Pa.
Application June 15, 1935, Serial No. 26,722
3 Claims. (Cl. 51—49)

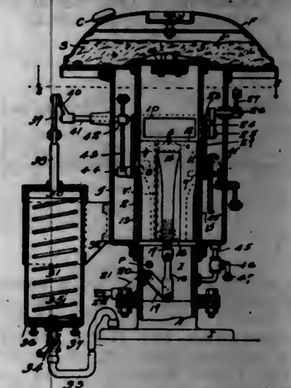


1. In grinding apparatus of the character described, a base, a work holding assembly comprising a support having vertically aligned bearings for rotatably holding an elongated cylindrical work piece with its longitudinal axis in a vertical position, a reduction gear drive for rotating the work piece, a driving motor for rotating said reduction gear, a guide stand assembly comprising vertical guide members, and a crosshead mounted for vertical movement on said guide members, a feed mechanism assembly comprising a vertical screw engaging said crosshead, a reduction gear drive for rotating said screw, and a driving motor for rotating said reduction gear, a grinding wheel support assembly comprising a bracket attached to said crosshead for adjustment about an axis at right angles to the axis of rotation of said work piece, means for maintaining the position of said bracket with respect to said crosshead, a rotatable grinding wheel carried by said bracket, and a driving motor for said grinding wheel carried by said bracket, a sub-base carried by said base and movable thereon in a direction at right angles to the axis of rotation of said work piece, said guide stand assembly and said feed mechanism assembly being carried by said sub-base.
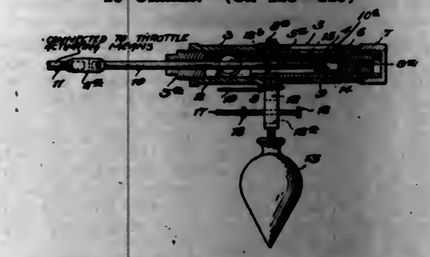


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2,115,909
**AIR CONTROL DEVICE**
Rufus B. Funk, Washington, D. C.
Application December 1, 1934, Serial No. 755,640
15 Claims. (Cl. 123—124)



1. In a carbureter, the combination with fuel-mixture feeding means including a valve casing and control valve therein, of an auxiliary air supply mechanism at the atmospheric side of the control valve, and including ports in the casing and complementary ports in the valve, of an exterior sleeve valve for the casing ports, suction operated means for automatically moving the sleeve valve to open the casing-ports, means for automatically closing the valve over said ports, and manually operated means for limiting the closing movement of the sleeve valve.

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2,115,910
**AIR CONTROL DEVICE**
Rufus B. Funk, Washington, D. C.
Application March 16, 1936, Serial No. 69,226
19 Claims. (Cl. 123—119)



1. In an air control device for internal combustion engines having operating control mechanism the combination with a ported valve casing, of a regulating valve co-acting with said ported casing, a gravity-actuator for operating said regulating valve, a feed control valve within the valve casing, and means for causing the position of said feed control valve to be varied as a result of operating said operating control mechanism to vary the speed of the engine.

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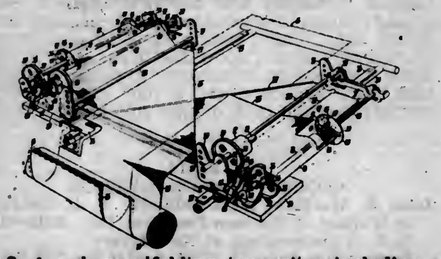
2,115,911
**ROCK DRILL**
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 11, 1935, Serial No. 21,025
24 Claims. (Cl. 121—5)



1. In a rock drill, the combination with a drilling motor having a cylinder having a rear head member, said cylinder containing a reciprocating hammer piston for percussively actuating a drill steel, and a ratchet and pawl type rotation mechanism for the drill steel and including a rifle bar rotated by the hammer piston, of feeding means for the drilling motor operated by the rotary motion of said rifle bar and embodying reversing means mounted on said drilling motor to move therewith and enclosed within said rear head member for effecting feed of the drilling motor in either of opposite directions while said rifle bar rotates always in the same direction.

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2,115,912
**TYPEWRITING MACHINE**
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 7, 1933, Serial No. 674,681
2 Claims. (Cl. 197—134)



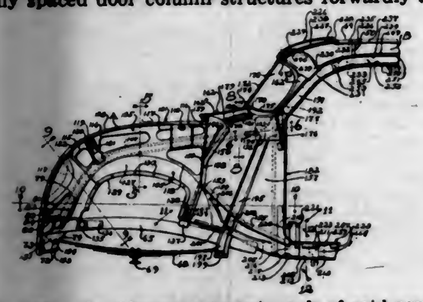
2. A web manifolding typewriter including a carbon spool truck having on opposite sides of the work-web path a universal rack for parallel carbon rolls, said rack having at its sides mounting spindles or arbors, each suitable for carbon rolls having cores of a variety of lengths, said truck having middle diagonal turning bars for the carbon webs led off from the spools, said spindles being universal to all lengths of cores, and detachably mounted upon the sides of the truck, one group at each side of the web work, each spindle being connectible to the carbon core, a pair of spool heads carried by said spindle and having supports for the spool ends, one of said spool heads being universally adjustable along the spindle with respect to the other head for accommodating all lengths of cores, a carbon checking disc keyed to said spindle, and means cooperating therewith to prevent the carbon web from paying off from the core at the web-stripping operation.

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2,115,913
**MOTOR VEHICLE BODY**
Harold A. Hicks, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 11, 1935, Serial No. 10,422
55 Claims. (Cl. 296—28)

12. In a motor vehicle body structure having

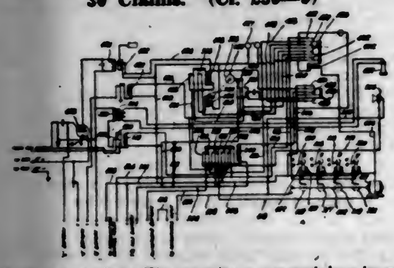
a driver's compartment, a pair of laterally spaced compression structures extending forwardly of said compartment and downwardly to form the front end of said body structure, ground wheel supporting means associated with said compression structures and adapted to transmit at least a portion of the body supporting forces upwardly through said compression structures and rearwardly therethrough toward said compartment, each of said compression structures providing a wheelhouse, said body structure including laterally spaced door column structures forwardly at



the sides of said compartment, each of said compression structures including a wall forming the outer shell of the body structure, said outer shell having a portion thereof extending rearwardly from an associated wheelhouse to form a portion of said column structures, a brace member extending forwardly and downwardly from each of said column structures to said wheel supporting means, said column structures being respectively rearwardly inclined above the upper ends of said brace members approximately in continuity with said brace members, and a roof rail extending rearwardly from each of said column structures.

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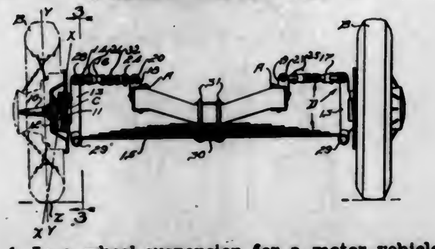
**2,115,914**
**COMMUNICATING SYSTEM**
**John R. MacKay, West Caldwell, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey**
**Application June 11, 1934, Serial No. 730,127**
**30 Claims. (Cl. 250—9)**



1. A wave signalling system comprising in combination, a transmitting apparatus, a remotely located receiving apparatus, control means for intermittently supplying local energy to said receiving apparatus to render it operative and by such intermittent supply to prolong the useful life of the receiving apparatus and to conserve energy, a signalling device associated with said receiving apparatus, and means responsive to wave energy transmitted from said transmitting apparatus to said receiving apparatus during an operative interval of said receiving apparatus for bringing said signalling device into operation to indicate that such transmitted waves are being received by the receiving apparatus, said last-mentioned means being adapted to effect continued operation of the signalling device, and including means responsive to cessation of waves from the transmitter for interrupting continued operation of the signalling device.

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**2,115,915**
**WHEEL SUSPENSION**
**George L. McCain, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware**
**Application December 9, 1933, Serial No. 701,672**
**9 Claims. (Cl. 280—96.2)**



1. In a wheel suspension for a motor vehicle having a frame structure, a wheel supporting structure, means connecting the wheel supporting structure with the frame structure and adapted to guide displacement of the wheel relative to the frame structure, said connecting means including a link, said link having a pair of arms diverging toward said frame and pivotally connected therewith, and means for relatively varying the length of said arms.

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**2,115,916**
**ELECTRIC CONDENSER**
**Mendel Ornes, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany**
**Application May 5, 1932, Serial No. 609,401. Renewed July 25, 1936. In Germany July 2, 1931**
**3 Claims. (Cl. 175—41.5)**



1. An electric condenser comprising an insulating cylindrical casing having a double wall, said double wall having a relatively small internal space in the radial direction but a substantially large space between the bottom of one of said walls and the top of the other wall, a metallic coating on the upper outside surface of each wall, a mobile electrode within said walls, and an external electric heating element comprising a disk-like coil body having a heater winding and located below said container to control the level of said mobile electrode.

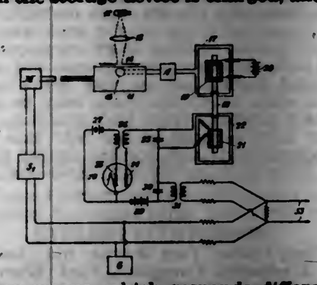
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**2,115,917**
**PICTURE TRANSMITTING SYSTEM**
**Roy B. Shanck, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York**
**Application March 12, 1925, Serial No. 15,001**
**14 Claims. (Cl. 178—6)**

14. Apparatus for electro-optically producing an image of an object in a variety of tone values



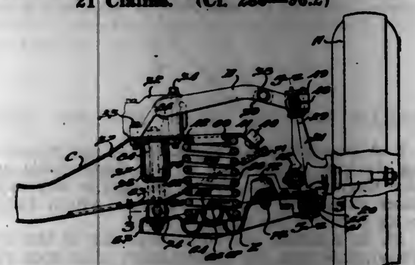
between fixed limits comprising a storage device, means for charging said storage device for a period determined by the tone value of an elemental area of the object to control the potential to which the storage device is charged, and image



producing means, which responds differently to different potentials, respectively, over a range of potentials between fixed limits, energized in accordance with the potentials to which said storage device is charged for controlling the tone values of the image.

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**2,115,918**
**MOTOR VEHICLE**
**Frederic W. Slack, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware**
**Application December 18, 1935, Serial No. 54,982**
**21 Claims. (Cl. 280—96.2)**

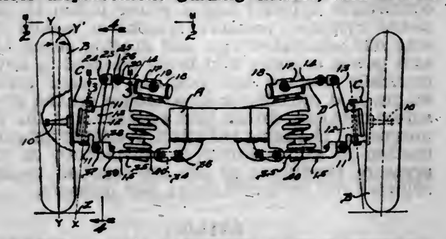


1. In a motor vehicle independent wheel suspension of the type having upper and lower linkages articulated at their inner ends to the vehicle frame structure, a knuckle bracket intermediate the outer ends of said linkages, said knuckle bracket having a wheel spindle projecting therefrom and forming a rigid structure therewith, and means connecting said knuckle bracket to said linkages so constructed and arranged as to provide steering movements of said knuckle bracket and pivoting between said linkages and said knuckle bracket to accommodate rising and falling movements of said wheel, one of said knuckle bracket and linkage connecting means comprising a trunnion provided with a central bearing for one end of said knuckle bracket, said trunnion having a portion extending therefrom, and a journal member rigidly attached to the associated linkage and rotatably receiving said extending portion to provide a pivotal bearing with said associated linkage.

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**2,115,919**
**VEHICLE WHEEL SUSPENSION**
**Frederick W. Slack, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware**
**Application August 4, 1934, Serial No. 738,461**
**19 Claims. (Cl. 280—96.2)**

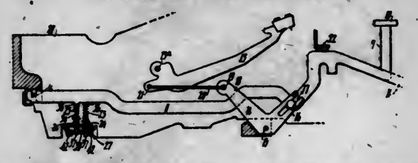
14. In a suspension for a steering ground wheel of a motor vehicle, wheel supporting means, wheel displacement guiding means, and means



including an element manually adjustable for simultaneously adjusting the caster and camber of the wheel.

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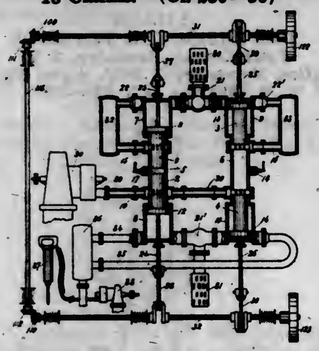
**2,115,920**
**TYPEWRITING MACHINE**
**Jesse A. B. Smith, Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware**
**Application March 9, 1936, Serial No. 67,875**
**12 Claims. (Cl. 197—33)**



2. In a typewriting machine, having pivoted key-levers, a series of returning springs and adjustment studs therefor, said studs having flattened heads, in combination, a detent-plate having a plurality of holes, one for each adjustment stud, each of said holes having a flat portion for co-operation with the heads of said adjustment studs, and means acting upon said plate to cause the flat portions of said holes to yieldably bear against the flattened heads of said studs.

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**2,115,921**
**FLOATING PISTON PLANT**
**Hans Steiner, Winterthur, Switzerland, assignor to Sulzer Frères, Societe Anonyme, Winterthur, Switzerland**
**Application March 8, 1935, Serial No. 10,881**
**In Switzerland March 13, 1934**
**18 Claims. (Cl. 230—56)**



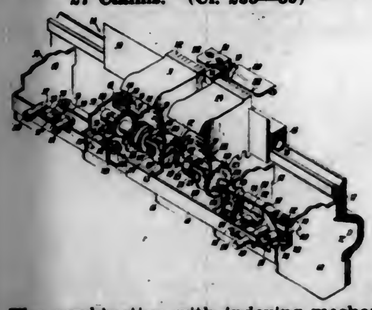
1. In a united reciprocating power and compressor engine, a power cylinder extending at one end into a compressor cylinder, a floating

piston in said cylinder, said floating piston comprising a compressor piston operating in said compressor cylinder and a power piston in said power cylinder, pressure responsive means operatively associated with said floating piston and said power cylinder and being adapted to automatically change the position of said piston within said cylinder in dependence on the pressure conditions within said cylinder and for the purpose of changing the space available for combustion in said cylinder in dependence on the pressure conditions of the air supplied to said cylinder and for maintaining said pressure.

### 2,115,922
### COMBINED TYPEWRITING AND COMPUTING MACHINE

Otto Thieme, Hartford, Conn., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application July 30, 1931, Serial No. 553,937
Renewed September 16, 1936
27 Claims. (Cl. 235—59)



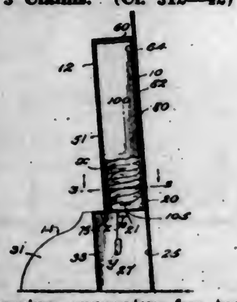
1. The combination with indexing mechanism and a main master wheel, of a second master wheel connected by a universal joint to the main master wheel, and mounted to swing out of working position while so connected.

2. The combination with a set of computing gears for different denominations and key-controlled means to operate the same, of a gear-aligner, a latch normally detaining said aligner in effective position, key-controlled means for withdrawing said latch to release said aligner preparatory to operation of the gears, and means for restoring the aligner and the latch in advance of the full return of the key to normal position.

### 2,115,923
### DISPENSER FOR TEA BAGS

Felix Cooper, Brooklyn, N Y.

Application November 5, 1936, Serial No. 109,296
3 Claims. (Cl. 312—42)

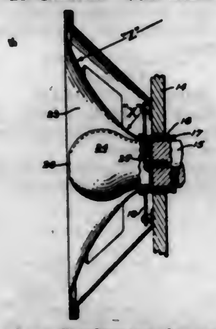


1. A dispensing apparatus for tea-bags and the like comprising a board, a tubular magazine mounted on the rear side of said board, a shelf secured to the base of said magazine for supporting a stack of tea-bags in said magazine, said shelf having an opening therein smaller than the tea bags, and the tea bags normally resting on the marginal edges of the shelf around the opening therein, said tea-bags when pulled distorting sufficiently to pass through said opening, said board having an opening below the said shelf through which the hand may be inserted to extract tea-bags from said magazine, and a box-like easel secured to the rear side of said board behind said hand-opening closing the space at the sides and rear of said hand-opening.

### 2,115,924
### ACOUSTIC APPARATUS

Cecil Clair Fisher, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Arizona

Application October 5, 1935, Serial No. 43,699
16 Claims. (Cl. 181—32)



1. A seamless diaphragm for sound reproducing devices, comprising a non-developable surface having a curvature of section in any radial plane extending through its axis, which follows in its entirety two distinct radii.

16. In a sound reproducing device of the electrodynamic type, the combination of an open apex conical diaphragm of the type having high and low frequency sound wave reproducing areas, a sound wave diffuser disposed centrally in front of the high frequency sound wave reproducing area of said diaphragm, and means extending through the open apex of said diaphragm for supporting said sound wave deflector free of the diaphragm and in a position to deflect the high frequency sound waves and thus reduce the beam effect produced by the high frequency sound wave reproducing area of said diaphragm.

### 2,115,925
### MANUFACTURE OF WELDED SPIRAL PIPE

Harold W. Force, Oakland, Calif., assignor, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application September 25, 1933, Serial No. 690,817
7 Claims. (Cl. 78—86)



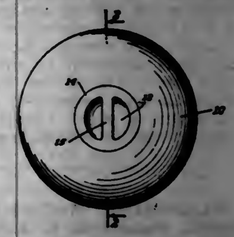
5. An apparatus for making spiral welded pipe comprising means for helically winding a sheet of metal into tubular form with adjacent edges in abutting relation, means for creating a space between the adjacent edges of the wound sheet, means for heating said spaced edges, and oppositely disposed concave rollers bearing against the outer surface of the tubular wound sheet after it has passed said heating means, said rollers being formed to fit the contour of said tubularly wound sheet and spaced to contract it to force its heated edges together to form a welded seam.



### 2,115,926
### HANDLE FOR INFLATED BALLS AND THE LIKE

Manson C. Hatten, Laguna Beach, Calif.

Application August 10, 1937, Serial No. 158,319
5 Claims. (Cl. 273—58)



1. In combination with an inflated ball, means providing a recess in the surface of the ball projecting inwardly of the general inflated configuration of the ball, and means providing a handle extending across the recess.

### 2,115,927
### HIGH VOLTAGE ELECTRON DISCHARGE DEVICE

Samuel Hirsch, New York, N. Y.

Application February 21, 1934, Serial No. 712,441
5 Claims. (Cl. 250—35)



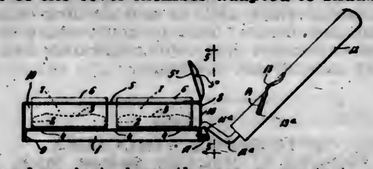
1. A pan-cake-type highly evacuated X-ray tube to be operated at high voltage comprising an envelope of dielectric substance having substantially parallel flat end walls and a cylindrical middle portion of a diameter greater than the distance between said walls, said flat walls and said cylindrical portions joining in rounded portions, X-ray discharge electrodes mounted centrally in opposite end walls, whereby the said flat end portions constitute dielectric barriers to lines of force.

### 2,115,928
### EGG POACHER

Samuel Jay, New York, N. Y.

Application February 11, 1937, Serial No. 125,293
3 Claims. (Cl. 53—1)

1. In an egg poaching device, a base arranged with a series of concave egg supports projecting upwardly therefrom, a flanged cover member adapted to be engaged upon the base and having a series of openings therein corresponding in number and arrangement to the egg supports of the base, and annular members fixed in the openings of the cover member adapted to slidably fit

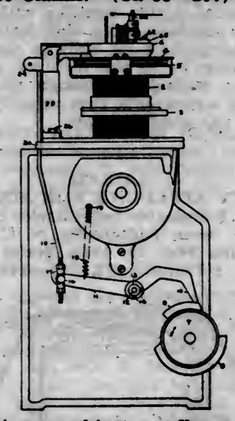


on and project above the egg supports to retain eggs on the egg supports.

### 2,115,929
### KNITTING MACHINE AND METHOD OF KNITTING

Robert H. Lawson, Pawtucket, and Arthur N. Cloutier, Lonsdale, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application August 13, 1930, Serial No. 474,964
In Great Britain July 16, 1930
26 Claims. (Cl. 66—107)



1. A knitting machine, needles and sinkers mounted therein adapted to cooperate in the formation of complete and partial courses, a sinker cap and means for maintaining the same in one position during the knitting of complete courses and in a relatively advanced position during the knitting of partial courses to avoid engagement of the thread by the nibs of idle sinkers during reciprocatory knitting.

### 2,115,930
### POWDER OR ROUGE BLENDING AND HOLDING CONTAINER

Jesse V. Lynn, Des Moines, Iowa

Application March 28, 1936, Serial No. 71,433
2 Claims. (Cl. 132—79)

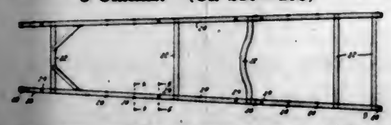


1. In a material blending and holding container, a circular tray portion, a dividing element in said tray portion having curved walls dividing said tray portion into a plurality of bins, and a shallow depression in the top center por-

tion of said dividing element having a depth much less than the depth of said plurality of bins; said circular walls of said dividing element having their central portions approaching closely said depression and sloping upwardly and inwardly toward said depression.

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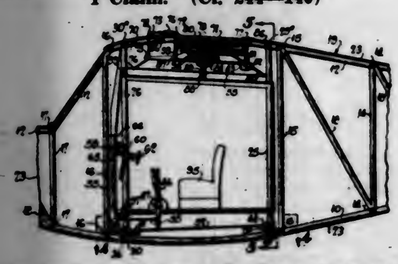
**2,115,931**
**AUTOMOBILE STRUCTURE**
**Frederick C. Matthaei, Detroit, Mich.**
**Application September 14, 1934, Serial No. 743,939**
**3 Claims. (Cl. 280—106)**



1. An automobile structure comprising the combination of a chassis frame including two side members secured together in spaced relation, each of said side members having opposite walls, a tubular ferrule extending between the said opposite walls of a side member with its ends in openings in the said walls, said ferrule being expanded intermediate its ends to secure its ends in the openings in the side member, and a fastening element extending through the ferrule for securing an automobile part directly to the side member of the chassis frame.

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**2,115,932**
**SAFETY APPLIANCE FOR AIRPLANES**
**Charles W. Poindexter and Charles F. Poindexter, near Yadkinville, N. C.**
**Application May 20, 1936, Serial No. 80,825**
**1 Claim. (Cl. 244—140)**



An airplane having a fuselage, wings and a center section, and a cabin disposed beneath said center section and formed integrally with said center section, the center section having a compartment therein provided with a door hingedly secured at its rear edge to the center section and said center section having a spring pressed latch for engaging the front edge of said door for normally holding the door in closed position, a packed parachute disposed within said compartment and secured to said center section, spring means for expelling said parachute from said compartment, a lever for opening said door, a hand lever in the cabin, a cable secured to said latch and said lever and extending downwardly and being connected to said hand lever for opening said latch and moving the first-named lever to force said door open to release said parachute from said compartment, means for releasably confining said cabin to said fuselage, a plurality of cables connected to the hand lever and to said confining means for also releasing said confining means at the same time the parachute is released by operation of the hand lever for releasing the cabin from the fuselage and a handle secured to the first cable and extending into the cabin and being operable independently of the hand lever to release said latch and move the first lever to release the parachute without releasing the cabin.

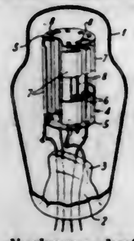
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**2,115,933**
**INSECTICIDES**
**Arthur L. Smith and Rowen D. Curtis, Oakland, Calif., assignors to The Sherwin-Williams Company, a corporation of Ohio**
**No Drawing. Application August 7, 1936, Serial No. 94,824**
**2 Claims. (Cl. 23—53)**

1. A process of preparing a stabilized calcium arsenate which includes the steps of precipitating calcium arsenate in a liquid medium maintained at a temperature below 100° C. and calcining said precipitate at a temperature between 250° C. and 500° C. for a period in the neighborhood of at least one-half hour sufficient to inhibit an increase of more than .5% in the water soluble arsenic content thereof, computed as metallic arsenic, upon drying a water suspension of the same in a carbon dioxide atmosphere.
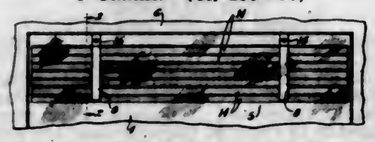
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**2,115,934**
**ELECTRODE MOUNT**
**Newell R. Smith, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware**
**Application December 31, 1936, Serial No. 118,523**
**5 Claims. (Cl. 250—27.5)**



3. An electron discharge device comprising an envelope, an anode in said envelope comprising a metal sheet, said sheet being folded to form an elongated indentation, the sides of said indentation opening upon the wall of said envelope, an insulating spacer, a ribbon-like cathode of refractory metal, longitudinally grooved to stiffen the cathode, secured in and spaced from the sides of said indentation, one end of the cathode ribbon being fixed and the other end of the ribbon being slidably guided by said insulating spacer.

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**2,115,935**
**VENETIAN BLIND VALANCE**
**Floyd E. Stinson, Euclid, Ohio, assignor to The Bettcher Manufacturing Company, Cleveland, Ohio, a corporation of Ohio**
**Application June 3, 1937, Serial No. 146,212**
**3 Claims. (Cl. 156—17)**



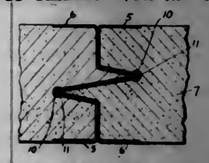
1. Venetian blind valance construction including a valance unit including upright members and



spaced longitudinal vanes secured thereto, a plurality of mounting brackets adapted for being permanently secured to a window frame closely adjacent to a window glass, means tiltably and removably mounting said upright members on said brackets, and means on said brackets limiting movement of said unit toward the window glass.

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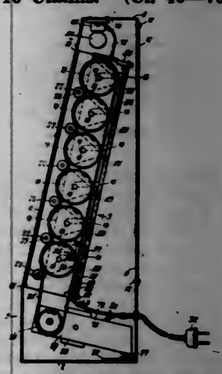
**2,115,936**
**INTERLOCKED GYPSUM LUMBER**
**Jeno Sterns, New York, N. Y., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware**
**Application May 16, 1931, Serial No. 537,776**
**33 Claims. (Cl. 72—68)**



1. A slab comprising spaced apart metallic structural members and a body of set cementitious material therebetween, each of said members being longitudinally tongued and grooved, with enlargements at the end of the tongue and groove respectively.

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**2,115,937**
**DISPLAY DEVICE**
**Rex M. Bartmess, Elkhart, Ind.**
**Application February 3, 1937, Serial No. 123,800**
**16 Claims. (Cl. 40—76)**

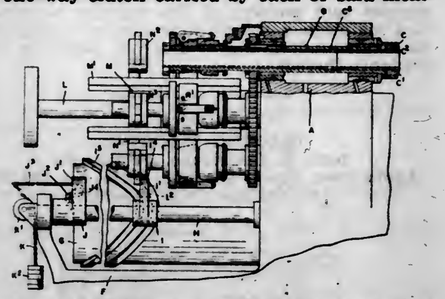


1. In a display stand of the class described, a plurality of parallel vertically spaced shafts, means for continuously rotating said shafts at a uniform speed, display members on said shafts having cooperating display surfaces rotatable into and out of display alinement, means frictionally driving said members from said shafts, latching means engaging said display members for preventing rotation thereof, and means operable upon predetermined rotation of said shafts for releasing said locking means to permit conjoint rotation of said display members and shafts.

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**2,115,938**
**SUPPLEMENTAL STOCK FEEDING MEANS FOR MULTIPLE SPINDLE MACHINE TOOLS**
**Samuel Baxendale, Dearborn, Mich.**
**Application June 21, 1937, Serial No. 149,540**
**5 Claims. (Cl. 29—62)**

1. In a machine tool, the combination with a turret and a plurality of revoluble hollow spindles mounted thereon adapted to be periodically advanced to successive stations, of an extension of said turret in rear of said spindles, a plurality of members slidably mounted on said extension, a one-way clutch carried by each of said mem-



bers in axial alignment with the corresponding spindle adapted to engage a stock bar for said spindle, and axially reciprocating means located at one station adapted to successively engage said clutch-carrying members when in registration therewith and to advance the stock in said spindle.

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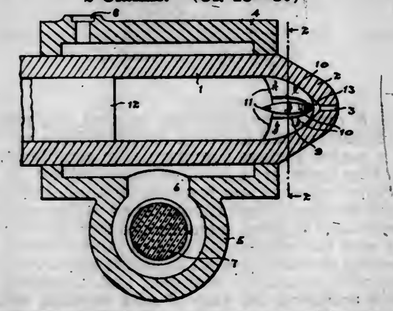
**2,115,939**
**SUCTION VALVE FOR DENTURES**
**Arthur H. Brown, Denver, Colo.**
**Application November 2, 1936, Serial No. 108,854**
**4 Claims. (Cl. 32—3)**



1. A check valve of the class described comprising: a metallic arcuate tube; a small valve port through the concave arcuate side of said tube; and a normally straight resilient member positioned within said tube so that the curve of the latter will flex said member to hold the latter against said valve port, there being an air passage communicating with the interior of said tube at a point spaced from said port.

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**2,115,940**
**MACHINE FOR INJECTION OF PLASTICS**
**Arthur A. Burry, Toronto, Ontario, Canada**
**Application October 19, 1936, Serial No. 106,271**
**In Canada September 5, 1935**
**2 Claims. (Cl. 18—30)**

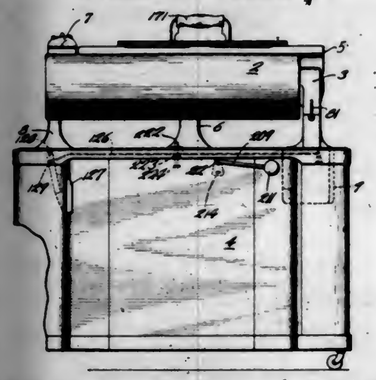


1. A plastic injection device comprising a cylinder having a discharge orifice, pressure means for ejecting the cylinder contents, a sealed jacket spaced from and surrounding a portion of said

cylinder, and an immersion electric heating unit arranged at the bottom of said jacket below the bottom of said cylinder, said jacket containing a body of water surrounding said heater and spaced from said cylinder whereby the heating unit generates steam and effects the continuous flow around said portion of the cylinder to create and maintain a substantially uniform temperature surrounding the cylinder to plasticize the contents thereof.

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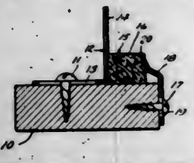
2,115,941
**IRONING MACHINE**
John A. Castricone, Peoria, Ill.
Application March 19, 1937, Serial No. 131,940
16 Claims. (Cl. 38—46)



1. In a clothes ironing machine, the combination with a feeding and presser roll and cooperatively mounted ironing shoe, of mechanism for rotating the roll either continuously in one direction or in to-and-fro partial rotations, and setting means for said mechanism whereby it will rotate the roll in said continuous direction or automatically repeat to-and-fro partial rotations thereof.

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2,115,942
**BRUSH**
Ralph F. Christopher, Euclid, Ohio
Application November 6, 1936, Serial No. 109,555
3 Claims. (Cl. 15—210)



1. A device for removing coating material for a predetermined uniform distance from an edge of a coated surface comprising, in combination, a backing member, a guide member carried by said backing member and forming an angle therewith, a felt working element positioned in the angle between said backing member and said guide member and having one surface in contact with said backing member and an adjacent surface in contact with said guide member, and a holding element engaging the face of said working element opposite that engaged by said guide member, said guide member extending beyond the working surface of said working element and said holding member terminating just short thereof.

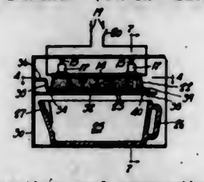
2,115,943
**ABRADING WHEEL SHEET AND SHEET HOLDER**
Harry W. Dempsey, Charlotte, Mich., assignor of one-half to Harry F. Hittle, Lansing, Mich.
Application July 11, 1936, Serial No. 90,227
Renewed March 26, 1937
13 Claims. (Cl. 51—197)



1. A circular body of yielding material having peripheral split portions extending in a circumferential direction, in combination with a sheet provided with edge portions adapted to be inserted in the said splits of the wheel, the said wheel body having pins located in said splits and adapted to be passed through the said inserted edge portions of the sheet.

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2,115,944
**ICE CUBE RELEASING MEANS**
William M. De Witt, South Bend, Ind.
Application January 22, 1937, Serial No. 121,755
3 Claims. (Cl. 62—113)



1. A tray heating and supporting device for removing ice cubes from an inverted tray on the support, said device comprising a marginal support for the inverted tray, a heating element above the tray and adapted to engage the bottom on the inverted tray on the support, said heating element being substantially horizontally positioned and vertically movable, a support above the heating element, downwardly extending headed members carried by the support, said heating element at spaced points being vertically movable on the headed members.

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2,115,945
**RAZOR BLADE HOLDER**
Arthur B. Dreyer, Long Beach, Calif.
Application May 15, 1936, Serial No. 79,873
3 Claims. (Cl. 30—330)



3. A razor blade holder comprising a bottom plate, a clamping plate cooperating with the bottom plate, a pair of upstanding ears on the bottom plate, an upstanding wall on each side of the bottom plate, the ear and wall on each side of the plate being spaced apart, an outwardly projecting lug on each side of the clamping plate, the lugs fitting between an ear and a wall, a threaded stem on the bottom plate, a threaded stem on the clamping plate, both of said stems cooperating to screw into a handle whereby the clamping plate is pressed against the bottom plate.



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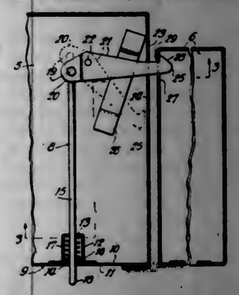
2,115,946
**FILLER FOR GAS MASK CANISTERS**
Frederick M. Eaton, Carson City, Nev., assignor to E. D. Bullard Company, San Francisco, Calif., a corporation of California
Application April 25, 1936, Serial No. 76,416
9 Claims. (Cl. 252—2.5)

1. A filler for gas mask canisters comprising grain hulls the hollows of which contain a filling of pulverulent material moistened to paste-like consistency with a liquid chemical reagent having the property of reacting with an impurity to be removed from air passed through the filler, the liquid being retained by the pulverulent material in globules supported by the hulls for providing a porous resilient body containing the reagent in active liquid condition.

8. A filler for gas mask canisters comprising grain hulls the hollows of which contain a paste formed of grain hull ash and a solution of nickel chloride.

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2,115,947
**CABINET LATCH**
Whitfield Ellison, Capac, Mich., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application January 2, 1937, Serial No. 118,896
11 Claims. (Cl. 312—193)

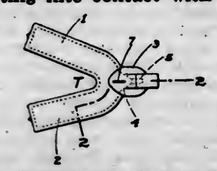


1. A pair of relatively movable parts, a latch member carried by one of said parts and adapted to project therefrom and releasably engage the other part, and means operable to release said member from said other part, said parts being arranged to retract said member, upon relative movement of said parts, into a non-projecting position.

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2,115,948
**INERTIA SWITCH**
Reuben Erich, Avenal, Calif., assignor of one-third to William J. Erich and one-third to Walter G. Erich, both of San Joaquin County, Calif.
Application February 5, 1936, Serial No. 62,483
1 Claim. (Cl. 200—52)

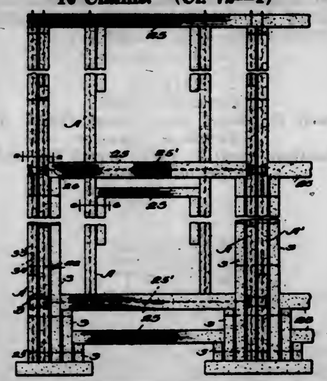
An inertia switch for the purpose specified comprising a tube adapted to normally be in a horizontal position and terminating in a neck, the neck being set at an upward angle to the normal horizontal position of the tube and being provided with a cone shaped bore having its wide end communicating with the bore of the tube and its apex in communication with a relatively small bore provided in the outer end of the neck, the tube being normally substantially one-half filled with mercury, an electrode in the tube normally projecting into contact with the mercury



and another electrode located in the neck and extending into said small bore.

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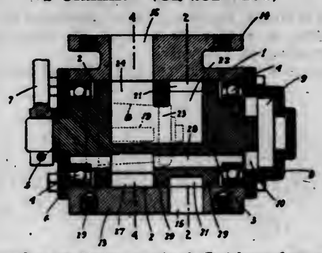
2,115,949
**CONCRETE BUILDING CONSTRUCTION**
Samuel Gurber, West Tulsa, Okla.
Application September 4, 1936, Serial No. 99,470
10 Claims. (Cl. 72—1)



1. A concrete column construction composed of vertically disposed units, each unit being spaced from the other, the contiguous corners of each pair of juxtaposed units being cut away and forming vertically extending recesses in the sides of said column, plates in said recesses, and transverse fastening members located in and extending through the spaces between said units and through said plates for securing said units together.

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2,115,950
**HYDRAULIC CONTROL VALVE**
Albert G. Gurries and James A. Bussert, Gilroy, Calif., assignors to "Be Ge" Manufacturing and Welding Works, a copartnership comprising Albert G. Gurries and James A. Bussert, Gilroy, Calif.
Application February 19, 1937, Serial No. 126,608
4 Claims. (Cl. 251—104)



1. A valve unit to control fluid under pressure comprising a body having a bore and formed with a feed port and separate by-pass ports circumferentially spaced from each other and from
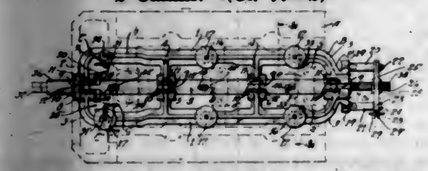
the feed port and all communicating with the bore, a valve plug turnably mounted in the bore and having a pair of passages connected at their inner ends and circumferentially spaced at the periphery of the plug, and a chamber open to the periphery of the plug between the peripheral ends of the passages; said chamber and one passage being in separate register with the by-pass ports while the other passage and feed port are closed off when the plug is in a neutral position; the feed port and one by-pass port being in common register with the chamber while both passages are closed off when the plug is turned a predetermined amount in one direction from a neutral position; and the chamber being in register with the other by-pass port and the other passage in register with the feed port while said one passage is closed when the plug is turned a predetermined amount in the opposite direction from said neutral position, there being other passage means in the valve unit to supply fluid under pressure to said passages.

2,115,951
**BOOKBINDING**
Ernest C. Hasel and Ernest Hasel, Jr., Atchison, Kans.
Application April 5, 1937, Serial No. 135,024
5 Claims. (Cl. 281—27)



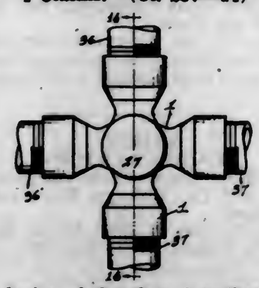
5. The combination with a binder of the character described having a pair of covers, a back member, hinge elements joining each longitudinal edge of the back member to one of the covers respectively, and rigid posts supported by the hinge elements and extending between the covers in spaced relation to the back member with the ends thereof incorporated in the hinges, of a plurality of folded signatures between the covers with the bights thereof abutting the posts; fabric covers over the posts; and fabric threads extending around said posts and through the bight portion of the signatures to hold the same in position, said fabric threads being taut enough to compress the fabric covers of the posts to prevent slipping longitudinally along the said posts.

2,115,952
**BORING TOOL**
Michael Hollrut, Jennings, Mo., assignor to H & H Machine & Meter Parts Co., St. Louis, Mo., a corporation of Missouri
Application September 16, 1936, Serial No. 101,001
2 Claims. (Cl. 77—2)



1. A boring fixture comprising a unitary frame, means on the frame for precise position-determining contact with faces of the structure being machined, means cooperatively associated with the frame for releasably securing the frame in located position upon said structure, a plurality of spaced aligning bearing sleeves mounted in fixed relation in the frame, a shaft mounted for rotary and longitudinal movement in the sleeves, a plurality of bits mounted radially in the shaft, and means operably mounted on the frame in co-axial alignment with the shaft for longitudinally translating the shaft relatively to the frame, said sleeves having aligning openings for accommodating the bits on longitudinal movement of the shaft.

2,115,953
**ADJUSTABLE BAILING FITTING**
Arthur E. Hohmeister, Cincinnati, Ohio, assignor of one-half to James C. Denier, Cincinnati, Ohio
Application February 26, 1936, Serial No. 65,795
4 Claims. (Cl. 287—14)



1. In a device of the class described, the combination of a pair of identical couplings, each comprising a pair of socket members and a disk-like connecting web having opposed flat faces, said web extending between said socket members, each web member having a flat face disposed coplanar with the center line or longitudinal center line of its associated socket members, said last mentioned face of one coupling being disposed in contact with the corresponding face of the web of the other coupling, and means for securing the said web members together in various adjusted positions about an axis perpendicular to the plane within which said contacting faces of the web members are disposed.

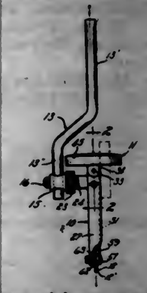
2,115,954
**CLASP OR CONNECTER FOR BRACELETS**
Sylvester A. Johnson, North Providence, R. I., assignor to A and Z Chain Company, Providence, R. I., a corporation of Rhode Island
Application May 17, 1935, Serial No. 22,025
9 Claims. (Cl. 24—265)



9. In fastening clasp construction, in combination, a housing member having a bottom, side walls and flanges extending toward one another from said side walls, said member adapted to receive the end of a bracelet, a cover plate pivoted to said housing member, a gripping member pivoted to said cover plate, the pivotal axes of said gripping member and said cover plate being spaced, said gripping member including a portion adapted to engage said bracelet end, whereby pivotal movement of said cover plate into its closed position swings the gripping portion of said gripping member beyond the adjacent end of said housing member and thence draws said gripping portion into said housing member beneath said flanges and in engagement therewith to force said gripping portion into gripping association with said bracelet end.

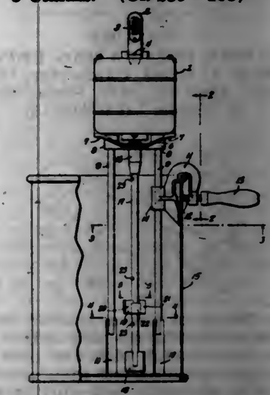


2,115,955
**MULTIPURPOSE GAUGE**
Martin S. Johnson, West Hartford, Conn.
Application June 2, 1936, Serial No. 83,041
11 Claims. (Cl. 33—172)



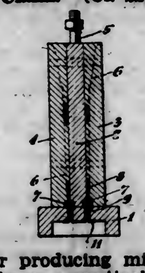
1. A gauge comprising a casing, a dial indicator, means pivotally securing the indicator for rotatable adjustment on one end of the casing about an axis of rotation disposed transversely of said casing, a supporting arm, means to rigidly secure said arm to the casing in adjustable angular relation, means permitting a relative slidable adjustment of the arm and casing, an amplifying lever movably supported on the casing, resilient means tending to maintain said lever at an initial position, means translating the lever movement to a corresponding dial indicator movement irrespective of the adjusted position of the indicator on the casing, a work engaging member operatively connected with the amplifying lever, and means including a breakable connection between said member and lever arranged to prevent transmission of undue stresses to the dial indicator in the event that the member is moved beyond a predetermined extent.

2,115,956
**PORTABLE PAINT AND LIQUID MIXER**
Arthur P. Jorgensen, Racine, Wis., assignor, by mesne assignments, to Landon P. Smith, Inc., Irvington, N. J., a corporation of New Jersey
Application February 1, 1937, Serial No. 123,439
3 Claims. (Cl. 259—108)



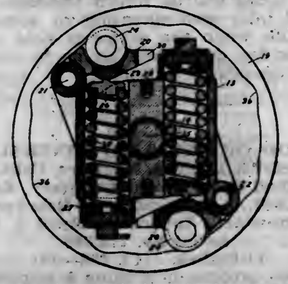
1. In an apparatus for mixing fluids, the combination comprising a frame, stationary baffle supports extending from said frame, baffle blades at the end of said supports disposed in planes parallel to one another and arranged obliquely with respect to a line between them, a shaft arranged for rotation and disposed lengthwise between said supports, an impeller mounted on said shaft with the faces thereof longitudinally disposed with respect to said shaft, and means engaging said shaft for rotation of the same in such direction with respect to said baffles that said impeller sweeps, during a part of its circular movement, from alignment with the exterior of the edges of said baffles to alignment with the interior edges thereof.

2,115,957
**MEANS FOR PRODUCING GANGS OF MINIATURE DEAD EYES**
William Kramer, Richmond Hill, N. Y.
Application February 1, 1937, Serial No. 123,332
1 Claim. (Cl. 22—158)



A mould for producing miniature dead eyes comprising a base, a vertically slidable central wall member mounted thereon, removable mould members at opposite sides of said wall member, and a plurality of pins projected upwardly from said base to form reeving holes in the dead eyes, said base and members fitting together and being die cut to provide pouring channels and contours of dead eyes in two separate gangs thereof, said mould members being removable from the base and central wall member to expose a portion of the cast gangs, the vertical movement of said slidable central wall member separating the gangs from the base and lifting the same off the reeving pins whereby said dead eyes are exposed for removal from said central wall member.

2,115,958
**POWER TRANSMISSION DEVICE**
Leif Lee, Youngstown, Ohio
Application June 19, 1936, Serial No. 86,117
9 Claims. (Cl. 64—30)



7. A power transmission device comprising a rotary member having a laterally extending peripheral flange, the inner surface of said flange being provided with a plurality of cam surfaces,

a driven member having a portion within said flange provided with a plurality of spaced bores extending therethrough, lugs adjacent to ends of said bores, said lugs being diametrically opposed with respect to the axis of rotation of said members, roller carriers hinged to said lugs and extending across the adjacent ends of said bores, a roller carried by each of said carriers and adapted to engage said cam surfaces, helical springs within the bores exerting outward forces on said carriers, the axis of each spring passing substantially through the axis of rotation of the adjacent roller.

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2,115,959

**COMBINED DROPPER AND ATOMIZER**

Edward G. Lewis, Los Angeles, Calif., assignor to Beverly Products Corporation, Los Angeles, Calif., a corporation of California

Application February 3, 1936, Serial No. 62,050
5 Claims. (Cl. 299—90)



1. A combined atomizer and dropper device comprising the combination of a rigid tubular body having a minute orifice at its upper end, and having a bulb of compressible material at its lower end, a liquid feed tube rigidly secured at the upper end of the body so as to communicate with the orifice and extending at its lower end into the interior of the compressible bulb, said tube having a transverse inlet through its wall adjacent its upper end located so as to be above the level of liquid held in the device, and opening communication between the interior of the tube and the air space within the tubular body above the liquid level, said parts cooperating when the compressible bulb is held downwardly and compressed, so that a mixture of air and liquid will be forced through the orifice; said inlet also operating to admit liquid to the tube when the device is held with the minute orifice downward, so as to enable the device to operate as a dropper.

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2,115,960

**METHOD OF TREATING MINERAL OILS**

Hans Friedrich Lindeke, Martinez, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 2, 1934, Serial No. 718,680
11 Claims. (Cl. 196—13)

1. In the process of refining a mineral lubricating oil the steps of fractionating the oil by distillation into fractions having narrower boiling ranges, extracting all or part of these fractions with a preferential solvent thereby producing a series of narrow boiling raffinates and extracts, and combining all or part of the raffinates to a composite raffinate which constitutes a larger part of the original fraction than is obtained by extraction of the original oil in one treatment to a similar product.

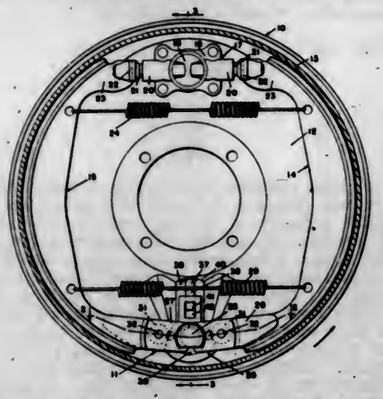
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2,115,961

**BRAKE MECHANISM**

Frank L. Main, Birmingham, and Charles A. Sawtelle, Detroit, Mich., assignors to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application June 15, 1936, Serial No. 85,396
11 Claims. (Cl. 188—78)



1. In a brake mechanism, a brake drum, brake shoes supported within said drum for engagement therewith and having spaced ends, anchorage means associated with the ends of the shoes at one side of the drum and permitting radially outward movement of said ends, and means engageable with the other ends of the shoes for expanding said shoes into engagement with the drum, said means comprising a radially inwardly movable wedge supported between said other ends of the shoes for shifting movement both circumferentially and radially relative to the drum and effective to move the anchor ends of the shoes into engagement with the drum before any other part of the shoes are engaged with said drum.

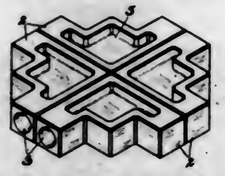
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2,115,962

**TABLE DECORATING UNIT**

Wilbur L. Orme, Cambridge, Ohio

Application April 23, 1937, Serial No. 138,602
3 Claims. (Cl. 240—2)



1. In a device of the character described, a candlestick unit having one of its edges of stepped formation terminating with the provision of a candle socket, and an offset area provided in its vertical walls adapting said unit to serve as a receptacle when said unit is disposed with said offset uppermost.

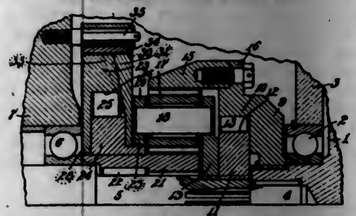


2,115,963

**PLANETARY GEAR DRIVE**

William B. Osborne, Muncie, Ind., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application April 2, 1934, Serial No. 718,536
10 Claims. (Cl. 74—290)



1. In a transmission, the combination with a driving shaft and a driven shaft, of a planetary gearing for drivingly connecting said shafts including a pinion carrier and an axially stationary sun gear, said pinion carrier being connected to the driven shaft, a clutch for connecting said pinion carrier to the sun gear, means for locking said sun gear against rotation, means operated by the locking of said sun gear for disconnecting said clutch, and means for directly connecting said driving and driven shafts independently of said transmission when the driven shaft becomes the driving shaft.

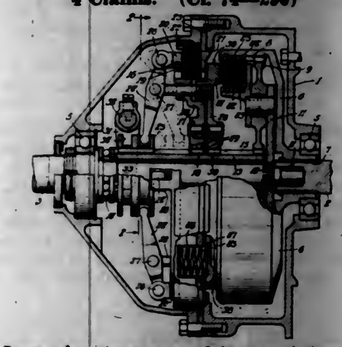
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2,115,964

**PLANETARY GEAR DRIVE**

William B. Osborne, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application September 23, 1936, Serial No. 102,071
4 Claims. (Cl. 74—290)



1. In a planetary gear drive, an internal ring gear, a pinion carrier, a plurality of planet pinions mounted on said carrier and engageable with said ring gear, a sun gear engageable with said planet pinions, a driving shaft coupled to said ring gear, a driven shaft coupled to said planet carrier, a brake for restraining said sun gear against rotation, a clutch for restraining said internal ring gear and said planet carrier against rotation one relative to another, said sun gear comprising a long toothed sleeve, a collar splined to said sleeve and adapted to assume a plurality of positions thereon, means for operating said brake, means for operating said clutch, a floating link pivotally connected to said collar and said brake and clutch operating means, and resilient means normally urging said brake and said clutch operating means into operative position, whereby the sum total of pressure on both brake and clutch is substantially constant.

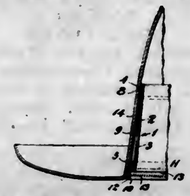


2,115,965

**HAT SWEAT BAND**

Leslie M. Page, New York, N. Y., assignor to Beatty-Page, Inc., New York, N. Y., a corporation of New York

Application May 13, 1936, Serial No. 79,416
1 Claim. (Cl. 2—181)



A hat sweat band having the combination of an interior wall consisting of an absorbent material, an inner layer upon said wall for contact with the wearer consisting of a pervious material, an outer layer upon said wall disposable against the hat consisting of an impervious material, said outer layer having its lower portion hemmed, said lower hemmed portion of said outer layer projecting below the lower edges of said wall and inner layer, and a stitching passing through said lower hemmed portion, said wall, and said inner layer.

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2,115,966

**SHADE SUPPORTING FRAME**

Anthony W. Planeta, Linden, N. J.

Application August 21, 1936, Serial No. 97,154
2 Claims. (Cl. 240—139)



1. A shade supporting frame for a lamp chimney having a bulbous portion gradually tapering on converging lines from the bulb upwardly, said frame being yieldable to fit chimneys of different sizes and comprising wire loops formed to embrace said bulbous portion, said wires extending upwardly in converging directions from each of said loops whereby they are separable laterally to provide said yieldable characteristics, a ring surrounding the frame on the converging sides of said wires and disconnected therefrom to permit said separable yielding action, and a shade supporting ring secured to the ends of said converging supports.

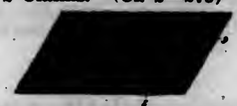
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2,115,967

**COMPOSITE FABRIC**

Moses J. Schifrin, Brooklyn, N. Y.

Application November 8, 1937, Serial No. 173,351
2 Claims. (Cl. 2—278)

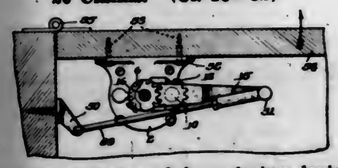


1. An artificial fur fabric comprising a backing, a layer of curled round chenille completely covering the surface of said backing and secured to said surface by sewing, said chenille contacting throughout its length with said surface in adjacent non-intersecting irregular sinuous fur-like rows, a substantial proportion of the sewing

stitches crossing the core of the chenille so as to effectively secure it against displacement on said surface, the fibres of said chenille being pulled down in many places by the sewing stitches so as to produce irregularities in the finished fabric.

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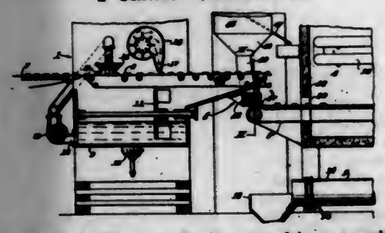
2,115,968
**DOOR CHECK**
Glenn L. Sherwood, Benton Harbor, Mich., assignor to Kaywood Corporation, Benton Harbor, Mich., a corporation of Michigan
Application July 6, 1936, Serial No. 88,998
20 Claims. (Cl. 16—52)



1. In a door check and door closing device, the combination of a crank arm, a pull rod for connecting the crank arm to the door frame, and door check and door closing mechanism whereby the crank arm is supported on the door, said crank arm being detachable and adjustable from one point of attachment to another on said mechanism, whereby the crank arm and pull rod are always at the top of the device, for doors hinged either at the right or the left.

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2,115,969
**APPARATUS FOR PRODUCING PEANUT COATED CANDIES**
John S. Truesdell, Columbus, Ohio
Application September 2, 1936, Serial No. 99,083
1 Claim. (Cl. 107—1)



In a confection producing machine, a primary conveyor having a discharge end, a secondary conveyor having a receiving end located materially below the discharge end of said primary conveyor, the discharge end of the primary conveyor being in overlapping relation to the receiving end of the secondary conveyor, and means for depositing nuts onto the secondary conveyor, said nut depositing means being located between the overlapped portions of the conveyors and at the receiving end of the secondary conveyor, whereby confections discharged from the primary conveyor fall through space onto nuts located on the secondary conveyor.

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2,115,970
**WRITING PEN**
George S. Walter, Chicago, Ill.
Application August 10, 1936, Serial No. 95,050
15 Claims. (Cl. 120—44)

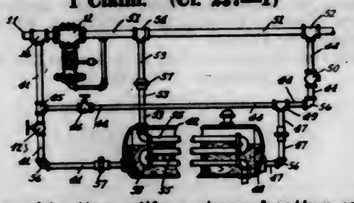
1. In a fountain pen having a body portion and a hollow nozzle mounted rigidly thereon and providing an ink reservoir, the combination of a core movably mounted in said body portion and positioned in the opening of said nozzle in spaced relation thereto to provide an ink channel communicating with said reservoir, and means con-



nected to said core and operatively related to said body portion for moving the core longitudinally with respect to said body portion and nozzle.

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2,115,971
**APPARATUS FOR TREATING STEAM HEATING SYSTEMS**
Otto J. Bublitz, Milwaukee, Wis.
Application June 5, 1935, Serial No. 25,005
1 Claim. (Cl. 237—1)



In combination with a steam heating system having a reducing valve therein, a container for pipe treating compound, a line from the high pressure side of the valve communicating with the container, a heating coil in said container, a line from the low pressure side of said valve coupled with the coil, and a discharge line leading from said container to the heating system whereby the compound will be forced into the pipes thereof.

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2,115,972
**SUPPORT FOR THE GRAPHIC ARTS**
Murna Dunkle, Lime Rock, Conn.
Application April 6, 1935, Serial No. 15,095
Renewed September 24, 1937
3 Claims. (Cl. 41—32)



1. A support for the graphic arts comprising a light-penetrable sheet having its opposite sides reciprocally embossed, the embossing being of such nature that a line traversing either surface of the sheet in any direction encounters alternate elevations and depressions of substantially equivalent extent, the intervals between crests of successive elevations or between bottoms of successive depressions being sufficiently great so that spots of color applied to the elevations only, or to the depressions only, are separately visible.

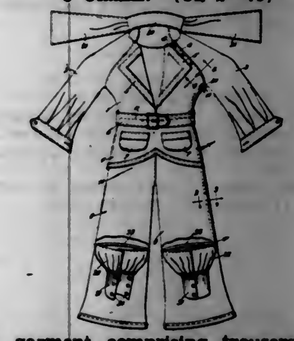


2,115,973
**FILLER FOR GAS MASK CANISTERS**
Cornelius S. Fleming, Berkeley, Calif., assignor to E. D. Bullard Company, San Francisco, Calif., a corporation of California
Application February 12, 1936, Serial No. 63,634
17 Claims. (Cl. 252—2.5)

2. A filler for gas mask canisters comprising grain hulls having pulverulent material deposited in the hollows thereof, the pulverulent material being wet with a water solution of a chemical having an affinity for ammonia, and containing a water soluble organic liquid selected from the group consisting of the alcohol-ethers, glycols and amines of high boiling point and low vapor pressure for retarding evaporation of the water.

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2,115,974
**GARMENT**
Robert Alston Harris and Henrietta Harris, St. Louis, Mo.
Application September 16, 1935, Serial No. 40,674
3 Claims. (Cl. 2—79)

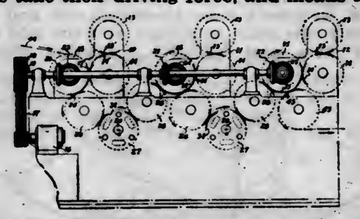


1. A garment comprising trousers including legs and a waist portion, and a coat attached to the waist of the trousers being closed at the front and having a skirt portion extending downwardly over and covering the waist portion of the trousers, both the coat and the trousers having an opening from one side of the collar of the coat laterally downwardly toward one side of the coat near the shoulder and thence downwardly along one side and throughout the length of the coat and downwardly along one side of one leg of the trousers and terminating substantially above the lower end of said leg of the trousers; fasteners for holding closed the first named opening at the upper portion of the coat, separate fasteners for opening and closing the side of the coat and the trousers from the lower end of said first named fasteners to the lower end of said last named opening that terminates above the lower end of the leg of the trousers, and a device for engaging and disengaging said last named fasteners.

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2,115,975
**DRIVE FOR MULTICOLOR PRESSES**
Charles W. Harrold, University Heights, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
Application January 4, 1936, Serial No. 57,542
19 Claims. (Cl. 101—177)

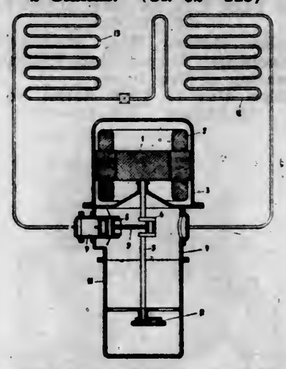
1. In a drive for a sheet handling machine having a plurality of units adapted to operate upon the sheets in registered relation, each of said units comprising a plurality of operating elements and adjacent units being operatively interconnected by means of said elements, means for imparting driving force to a single element in each unit from which the other elements of the units take their driving force, and means associ-



ated with said other elements for compensating against the tendency to bind due to the application of driving force forwardly and rearwardly from said single elements.

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2,115,976
**COMPRESSION REFRIGERATING MACHINE**
Willy Hirche, Leopoldshain, Gorlitz-land, Germany, assignor to Berlin-Suhler Waffen-und Fahrzeugwerke G. m. b. H., Berlin, Germany
Application March 21, 1936, Serial No. 70,168
In Germany March 22, 1935
2 Claims. (Cl. 62—115)



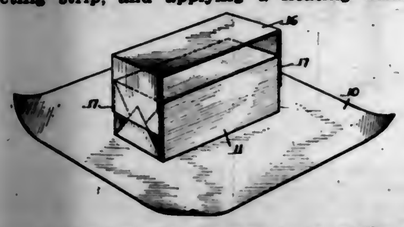
1. A compression refrigerating machine comprising in combination a housing, a motor accommodated in said housing, a shaft driven by said motor and projecting from said housing, a crank formed on said shaft, a crank case accommodating said crank, a compressor driven by said crank and accommodated in said crank case, a condenser connected with said compressor, an evaporator forming an extension of said condenser, and connected to said crank case, a container forming an extension of said crank case, adapted to accommodate lubricant and refrigerant of different specific gravities, the combined capacities of said condenser and evaporator being less than the quantity of oil required to fill said container up to a point between the maximum and minimum levels of lubricant accommodated in said container.

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2,115,977
**METHOD OF PACKING BUTTER**
Albert Lowenfels, White Plains, N. Y.
Application August 7, 1935, Serial No. 35,171
1 Claim. (Cl. 99—179)

The method of packaging a plurality of bars of butter stacked in a rectangular block which comprises placing a relatively heavy, unitary protecting strip on one side and the ends of the stack

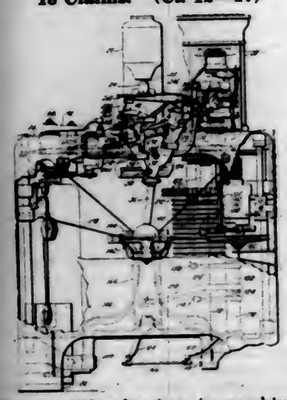
only, wrapping the stacked bars and the protecting strip in a continuous sheet wrapper of relatively light impervious material having wax thereon, to form a seam along said side and said ends only, the seam extending over the said protecting strip, and applying a heating element



along said side and end seams to cause the said overlapping edges of the seam to cohere to form an air tight and moisture resistant sanitary package at low cost and having an attractive appearance, the protecting strip being sufficiently heavy to protect the butter from the heat applied in making an air excluding seal.

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2,115,978
**MACHINE FOR USE IN THE MANUFACTURE OF SHOES**
Eugene J. Ray, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 14, 1935, Serial No. 21,310
18 Claims. (Cl. 12—17)

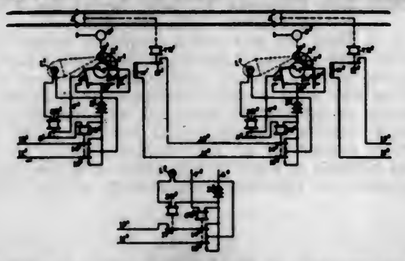


1. A shoe machine having, in combination, devices for operating upon a lasted shoe, and a shoe supporting jack relatively movable to transfer said devices along the bottom margin of a lasted shoe supported on the jack, a templet guide, and a templet arranged for clamping engagement with the shoe upper to locate the guiding surfaces of the templet with relation to the shoe to determine the outline on the shoe followed by the shoe operating devices.

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2,115,979
**RAILWAY SIGNALING SYSTEM**
Robert A. Sheets, Oak Park, and Stanley E. Noble, Lake Forest, Ill., assignors to General Railway Signal Company, Rochester, N. Y.
Application May 11, 1935, Serial No. 20,996
3 Claims. (Cl. 246—46)

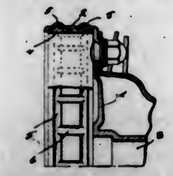
1. In a railway signaling system, spaced signals each having an incandescent lamp, a control line circuit for each signal normally energized to effect the display of a clear indication, a check light relay at each signal connected in series with the incandescent lamp, automatic means for de-energizing each line circuit in accordance with traffic



conditions to effect the display of a danger indication at the associated signal, and means for de-energizing each line circuit to effect the display of a danger indication at the associated signal by the de-energization of said check light relay at the forward adjacent signal.

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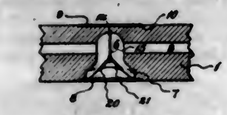
2,115,980
**BRAKE DRUM**
Charles W. Sinclair, Detroit, Mich., assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application July 27, 1931, Serial No. 553,452
11 Claims. (Cl. 188—218)



1. A brake drum, comprising an annular flange having outwardly extending hollow reinforcing ribs extending circumferentially and axially of said flange and merging into each other and a lining within and engaging said flange, said lining having ribs extending within said first mentioned ribs.

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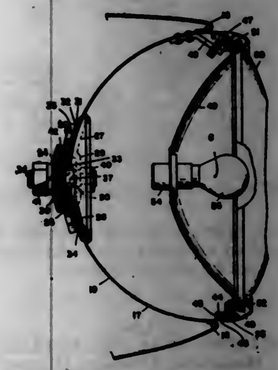
2,115,981
**TOBACCO PIPE**
Joseph E. Theriault, Easthampton, Mass.
Application March 6, 1936, Serial No. 67,520
5 Claims. (Cl. 131—12)



3. A pipe stem having a lateral recess intersecting the smoke duct and a groove in the walls of the recess in a plane transverse to the smoke duct, a perforated disk, means for holding the disk in the groove in the recess with the perforations in non-alignment with the smoke duct and with an extended edge of the disk in proximity to the mouth of the recess, a movable element for normally closing the mouth of the recess, and absorbent material adapted to be held between the movable element and the extended part of the disk.



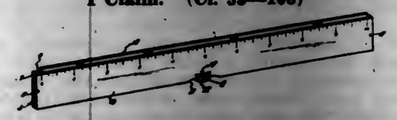
2,115,982
**LAMP MOUNTING**
Norbert P. Worden, Detroit, Mich., assignor to C. M. Hall Lamp Company, Detroit, Mich., a corporation of Michigan
Application October 30, 1935, Serial No. 47,485
5 Claims. (Cl. 240—8.11)



3. In a lamp structure, a dished member having a central opening, a set of substantially vertically aligned openings and a set of substantially horizontally aligned openings, a light unit, and a mounting for said light unit permitting the unit to be adjusted vertically and horizontally relative to said dished member, including two adjusting concavo-convex washers cooperating with the dished member, each of said washers having a central opening and peripheral notches, lugs projecting from one of said washers and engaging the notches in the other washer and one set of openings in said member, lugs projecting from the second washer and engaging the other set of openings in said member, and a connection between the light unit and dished member including an elongated element extending through the central openings in said member and washers.

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2,115,983
**PARALLEL RULE**
John H. Ball, St. Louis, Mo.
Application April 29, 1937, Serial No. 139,653
1 Claim. (Cl. 33—108)



A device of the kind described, comprising a rule back recessed at its upper face and out through the predetermined forward edge, and being closed at bottom, ends and back edge, the latter however having a thumb wheel aperture formed medially therethrough, a cover plate secured over the open upper face of the rule back, thereby providing an elongated covered slot between rule back and cover plate, an elongated flat rule blade seated edgewise and freely within the said slot, similarly turned toggle links pivotally mounted at their ends transversely within opposite ends of the said slot back of the rule blade, a thumb wheel journaled medially within the slot back of the rule blade, the periphery of the wheel being exposed through the thumb wheel slot of the rule back, and a pair of links pivotally connected at their inner ends to an eccentric point on the thumb wheel, the outer ends of the links being pivotally connected to the center joints of the toggle links.

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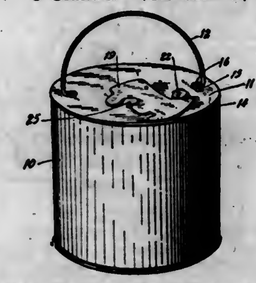
2,115,984
**LUBRICATING DEVICE**
Clarence H. Bock, Detroit, Mich., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware
Application March 4, 1936, Serial No. 67,104
4 Claims. (Cl. 285—143)



1. A lubrication coupler comprising, a body formed with a longitudinal bore and having a transverse bore therethrough adjacent one end, said body having a transverse slot of less width than the transverse bore extending across said one end and communicating with the transverse bore whereby a lubricant fitting may be engaged by the coupler with its head portion in the transverse bore and its neck portion extending through said slot.

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2,115,985
**DISPENSING CAP FOR CONTAINERS**
Eldred A. Boline, Denver, Colo.
Application April 10, 1937, Serial No. 136,099
6 Claims. (Cl. 221—2)



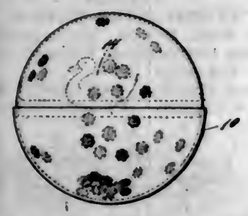
1. A closure for containers having an opening through a lid comprising: a flat gate member lying on said lid; a pivot ear projecting from one edge of said member and a flat socket upset from the material of said lid and having an opening in its side to receive said ear and form a hinge for said gate member.

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2,115,986
**TOY BALL**
Virginia D. Da Costa, Providence, R. I., assignor to Da Costa Toy Company, a corporation of Rhode Island
Application December 15, 1936, Serial No. 115,977
3 Claims. (Cl. 46—91)

1. A toy comprising a hollow transparent globular shell having an outer convexly curved surface, said shell being partly filled with a liquid to provide an upper refracting surface of a substantial extent, and a plurality of differently colored objects loosely positioned within said shell comprising a material heavier than the liquid and insoluble and inert with respect thereto, said objects being movable to different positions along the inner curved surface of the shell upon a rolling movement of the toy, said inner shell surface being of such a character that there is re-

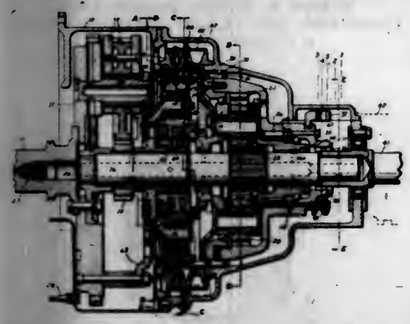
flected to the eye of an observer angularly glancing at the ball a double image of the objects therein, one of said images being seen in magnified form through the lower wall of the shell, while the other image can be seen in actual size



through the wall of the upper portion of the shell and being reflected through the surface of the liquid therein, said images being reflected upwardly as converging light rays passing through said liquid to the eye of the observer.

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2,115,987
**TRANSMISSION**
Adiel Y. Dodge and Ernest R. Koppel, South Bend, Ind.; said Koppel assignor to said Dodge
Application March 1, 1934, Serial No. 713,503
18 Claims. (Cl. 74—260)

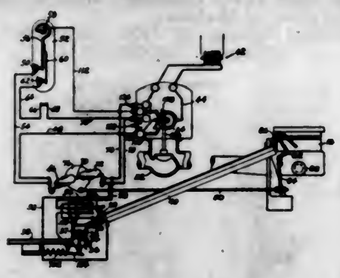


1. An automatic transmission including a driving shaft having two driving members and a differential three-element gear having one element the driven member, means forming a driving connection between one of said driving members and another element of the gear, means forming a driving connection between the other driving member and a third element of the gear, one of said means comprising a device driven by said one member and having impulses imparted thereto in opposite directions, spring one-way reactance means yieldingly holding said device against the force of the impulses in one direction, yielding means driven through springs by the impulses in the other direction, and driving connections between the yielding means and the said last-named driven element.

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2,115,988
**HEATING SYSTEM**
Francis A. Furlong, Chicago, Ill., assignor to Autogas Corporation, Chicago, Ill., a corporation of Delaware
Application August 13, 1934, Serial No. 739,530
13 Claims. (Cl. 158—28)

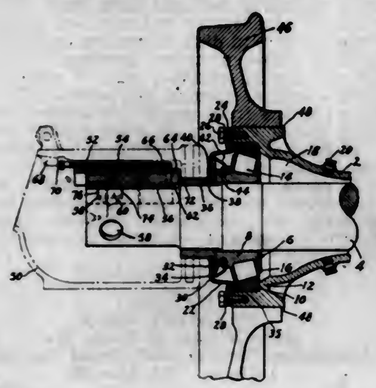
1. A heating plant comprising a main burner, an igniting burner, means for constantly supplying a small quantity of fuel to the igniting burner for igniting the main burner, and control means to first ignite the igniting burner, increase the supply



of fuel to the igniting burner whereby its flame will be projected adjacent the main burner, and then supply fuel to the main burner.

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2,115,989
**ROLLER BEARING UNIT FOR FREIGHT CARS**
William C. Hedgcock, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 25, 1935, Serial No. 12,783
21 Claims. (Cl. 105—182)

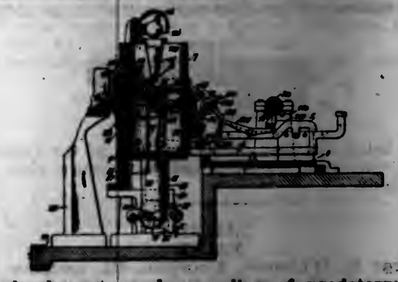


1. In a railway truck the combination of a truck side frame, a roller bearing wheel and axle assembly comprising a normally rotatable outer axle, wheels fixed on the ends thereof, a normally non-rotatable inner axle having a journal end, an annular series of openings in said journal end, an anti-friction bearing between said axles, a shrink ring on said inner axle preventing outward movement of said bearing, and a load transmitting member mounted on said journal end in abutment against said ring and comprising integral means received in one of said openings and securing said inner axle against rotation.

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2,115,990
**PHOTOTYPING MACHINE**
Harry O. Jones, New York, N. Y.
Application June 29, 1934, Serial No. 733,012
64 Claims. (Cl. 95—4.5)

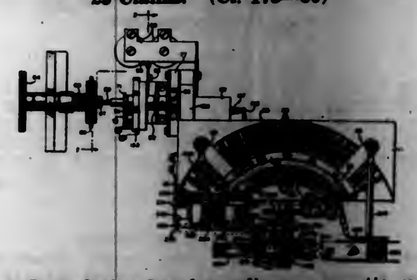
17. In a typewriter, character selecting levers, means controlled by the levers for selecting and photographically printing a character on a light-sensitive sheet, and means controlled by the levers for moving the sheet to print a justified line of



such characters along a line of predetermined shape.

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2,115,991
**TAPE PRINTER**
Edward E. Kleinschmidt, Highland Park, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 28, 1935, Serial No. 56,496
23 Claims. (Cl. 178—36)



1. In a device for channeling pneumatic current, a main body having a groove and affording thereat opposite parallel surfaces, a reciprocable valve supported in said groove having wiping engagement with each of said surfaces and comprising a flat body having a central opening with adjoining solid portions, said main body having conduit channels traversing said groove in registration with said flat body, and electromagnetic means for moving said flat body laterally accordingly to present or withdraw its said opening with respect to said conduit channels.

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2,115,992
**TAPPING MACHINE**
Leo T. Koppl, Huntington Beach, Calif.
Application March 14, 1936, Serial No. 68,879
8 Claims. (Cl. 77—42)

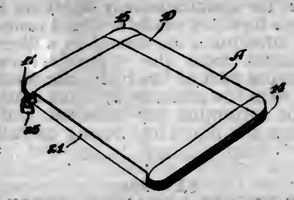


1. A machine for tapping high pressure fluid lines to provide for branch lines therefrom comprising cutting mechanism including a rotary and axially movable cutter; cutter feeding mechanism including a reciprocating part for advancing the cutter axially against the work; means enclosing the cutting and feeding mechanism, including said reciprocating part and the portion of the line to be removed, in a sealed chamber; means co-acting with said chamber, to sufficiently relieve the mechanisms therein of the resistance of the line pressure to the operation of such mechanisms, as to enable the cutter to be manually fed sensitively and easily, irrespective of the amount of pressure in the line; means for actuating the feeding mechanism from exteriorly of the sealed chamber; and means for driving the cutting mechanism.

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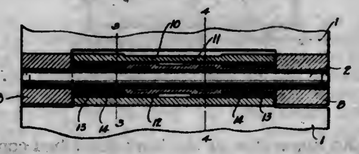
2,115,993
**BRIEF CASE BOOK**
Harry E. Kranhold, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application April 6, 1932, Serial No. 603,587
2 Claims. (Cl. 281—29)



1. A brief case formed with equally-sized side walls, a flexible interlocking means secured to the edges of the said side walls, a runner key for operating said locking means, a stiffening member secured between the side walls, a locking tongue attached to but freely disposed with respect to said stiffening member having an eye formed therein for receiving a lock member, and an integral eye member formed on said key adapted to receive the lock member extending through said freely disposed tongue to lock said brief case closed.

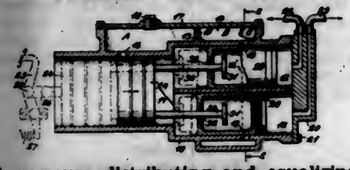
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2,115,994
**HINGED CONNECTION**
Frank H. Lamb, Hoquiam, Wash.
Application September 10, 1935, Serial No. 39,930
1 Claim. (Cl. 287—85)



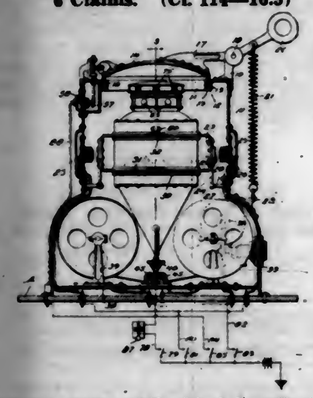
In combination, a member provided with spaced apart hinge ears having hinge pin openings therein, another member provided with a hinge lug formed with a cylindrical bearing chamber; said lug being disposed between the said ears, a hinge pin fitted non-rotatably at its ends within the hinge ear openings and extending coaxially of the bearing chamber, a sleeve fitted non-rotatably to the pin within the chamber and formed at its ends with portions of reduced diameter, resilient bushings mounted on said portions of reduced diameter and fitted within the ends of the chamber to seal the latter and permitting hinging action of the two parts through deformation of the bushings, and normally supporting the sleeve free of the chamber walls; said sleeve being adapted to contact the chamber wall incident to over load on the bushings.

2,115,995
**HYDRAULIC BRAKE**
Benjamin McInnerney, Omaha, Nebr.
Application September 30, 1937, Serial No. 166,468
14 Claims. (Cl. 60—54.5)



1. A pressure distributing and equalizing device for the simultaneous operation of a plurality of hydraulic brakes, comprising in combination, a cylinder block having a plurality of cylindrical openings, a plunger mounted for reciprocation in each opening, means comprising a hydraulic mechanism for simultaneously applying to all of the plungers forces of predetermined proportional values for effecting a movement in a direction to expel a liquid from the cylindrical openings, means forming part of the hydraulic mechanism, connected with the plungers by a lost motion connection, for retracting the plungers, and means for replacing any liquid lost during operation.

2,115,996
**SUNKEN VESSEL LOCATING APPARATUS**
William R. McKenney, East St. Louis, Ill., assignor of one-half to George I. Biggs, East St. Louis, Ill.
Application January 5, 1937, Serial No. 119,142
6 Claims. (Cl. 114—16.5)



1. An apparatus of the kind described comprising an enclosure for a buoy and having an opening and closing cover for the release of the buoy from the enclosure, a buoy within the enclosure and having external annular seats therein, double forked jaws within the enclosure for engaging the seats and embracing the said buoy from opposite sides thereof, and an electric control for the jaws and operated remote thereto.

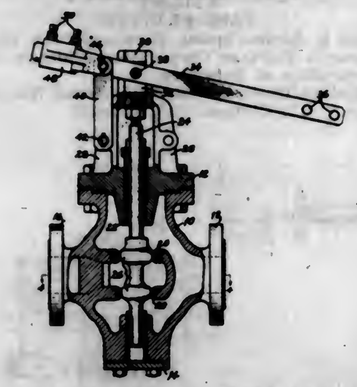
2,115,997
**IMPELLER AND LINING CONSTRUCTION**
George G. Morse, Denver, Colo., assignor to Morse Bros. Machinery Company, Denver, Colo., a corporation of Colorado
Application November 19, 1935, Serial No. 50,549
3 Claims. (Cl. 259—129)

1. An impeller of the character described for acting on abrasive pulps, comprising a flanged hub, a rubber body having a stiffened backing element consisting of alternate layers of rubberized fabric and layers of rubber, the flange of the



hub being disposed between layers of the fabric, and rubberized vanes projecting from a side of the body.

2,115,998
**VALVE**
George K. O'Conner, Evanston, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application February 5, 1936, Serial No. 62,388
2 Claims. (Cl. 137—139)



1. A valve comprising a valve body having at one side a bearing and a valve member having a stem slidable in said bearing, a guide for the end of said valve stem having a slot transversely therethrough, a lever movable in said slot and pivoted to the end of the valve stem, links pivoted to the valve body, and a U-shaped slide having arms connected to said links by coaxial pivots and having a central portion slidably embracing and adjustably secured to said lever at one side of said guide.

2,115,999
**NEEDLE THREADER**
Walter Parsons, Blue Mountain Lake, N. Y.
Application September 11, 1936, Serial No. 100,255
2 Claims. (Cl. 223—99)



1. A needle threading device which comprises a frame, a depressible spring plate mounted on the frame and adapted to support a needle thereon, a chute to receive and guide the needle to the proper position on the frame, the chute being pivotally mounted on the frame, a guide or stop plate disposed at the end of the spring plate to limit the movement of the needle on the support, said stop plate pivoted to the frame.



2,116,000
**COATING FOR GASKETS AND THE LIKE**
Ruben O. Peterson, Glen Ellyn, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application March 8, 1935, Serial No. 10,050
6 Claims. (Cl. 154—45.5)



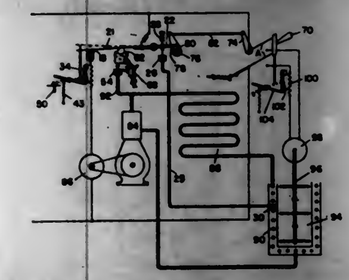
1. A gasket comprising a packing material and a unitary coating of foil and digested elaterite thereover.

2,116,001
**LOCK**
Walter R. Schlage, San Francisco, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application January 9, 1935, Serial No. 979
11 Claims. (Cl. 292—451)



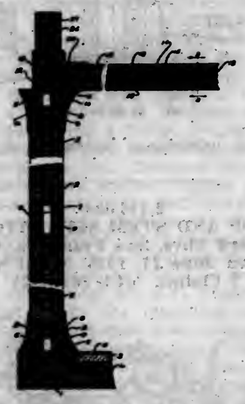
1. In a lock of the character described a pair of housings disposed at right angles to each other and one extending through the other, and resilient interlocking connection formed between the housings when one housing is inserted through the other.

2,116,002
**REFRIGERATING SYSTEM**
Burton E. Shaw, Adel, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application October 15, 1936, Serial No. 105,683
22 Claims. (Cl. 62—4)



1. In a refrigerating system, a refrigerant compressor, a motor for driving said compressor, an evaporator cooled by said compressor, a switch in control of the circuit for said motor and responsive to a predetermined low temperature produced by said evaporator to open said circuit, a freezer compartment associated with said evaporator to be chilled thereby, an agitator in said freezer compartment, a freezer motor for operating said agitator, means for controlling said freezer motor comprising a second switch in control of the circuit therefor and means rendered operable by said second switch while it is in closed circuit position for positively retaining said first motor energized beyond said predetermined low temperature produced by said evaporator.

2,116,003
**BUILDING CONSTRUCTION**
Herbert Smith, Seattle, Wash.
Application October 3, 1936, Serial No. 103,888
10 Claims. (Cl. 72—1)



1. In a building of the character described, a wall comprising building blocks arranged in superimposed courses and formed with a vertical duct substantially throughout its height; said blocks being provided in the top and lower surfaces with outwardly opening channels lengthwise of the blocks, and a tubular spline fitted in the channels of blocks in adjacent courses as an interlock and opening into the said vertical duct.

2,116,004
**LUBRICATING DEVICE**
Harry R. Tear, Evanston, Ill., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware
Application October 25, 1935, Serial No. 46,640
11 Claims. (Cl. 221—47.4)

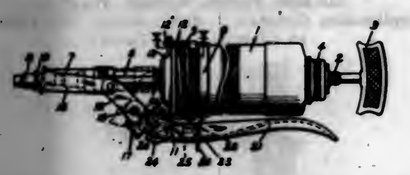


11. A lubricating device comprising, an elongated cylindrical lubricant container, a pump including relatively telescoping parts axially alined with and connected to one end of the container, a nozzle connected to said pump, said pump being operable by forcing the container toward the nozzle, said nozzle including parts angularly adjustable about an axis at an acute angle to the nozzle axis, and means for selectively locking said nozzle parts in one of a plurality of angular positions.

2,116,005
**LUBRICATING DEVICE**
Harry R. Tear, Evanston, and Otto B. Clark, Chicago, Ill., assignors to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware
Application January 16, 1936, Serial No. 59,330
18 Claims. (Cl. 221—47.4)

1. A lubricating device comprising, means forming a high pressure pump, a discharge nozzle for said pump, said pump being operable by applying a thrust on said discharge nozzle, a lever pivoted adjacent said pump, and a connection between said pump and said lever so constructed and ar-

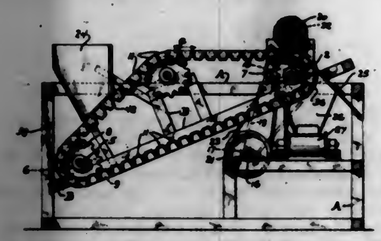
ranged that the pump may be operated without affecting the lever or the lever may be operated



to apply an additional operating force to the pump.

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2,116,006
**HOP AND STEM SEPARATOR**
Edouard Thys, San Francisco, Calif.
Application June 17, 1936, Serial No. 85,715
2 Claims. (Cl. 209—92)

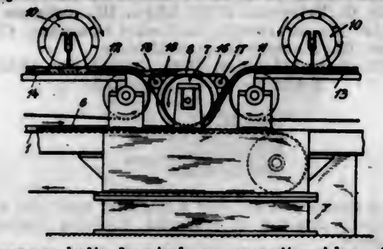


1. In a separator of the character described an endless continuously traveling conveyor, a plurality of pockets formed in the upper surface of the conveyor, each pocket being of a size to receive a plurality of hops and to cause certain stems to project from the pockets and others to lie crosswise thereof, means causing a portion of the conveyor to travel in an upwardly directed inclined plane, and another portion to travel in a substantially horizontal plane, means for delivering hops to the pockets while traveling up the inclined plane so that each pocket will be only partially filled with hops and will have an opportunity to level out the hops when traveling in the horizontal plane so that the hops will lie below the surface of the pockets, and a revolving brush disposed above the horizontal portion of the conveyor to engage and sweep away the stems.

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2,116,007
**APPARATUS FOR THE TREATMENT OF PLASTIC EXPLOSIVES FOR THE PRODUCTION OF RIBBON- OR ROD-SHAPED PIECES**
Henrich Bille, Saetre in Royken, Norway, assignor to Norsk Spraengstofindustri A/S, Oslo, Norway
Application February 26, 1936, Serial No. 65,914
In Norway March 15, 1935
1 Claim. (Cl. 18—1)

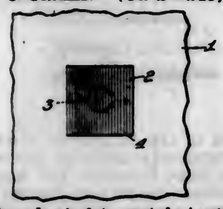
Apparatus for the treatment of plastic explosives for producing strips or the like, comprising a continuously moving conveyor surface, a set of rotating circular cutting knives located above the said conveyor surface, two continuously moving conveyor belts extending in opposite directions from points adjacent the rotating cutting knives and at a level above the first named conveyor surface and auxiliary conveyor belts fitting between the cutting knives and passing alternately over rollers located on opposite sides of said cutting knives for conducting cut strips from said knives on to each of the two



conveyor belts located on opposite sides of the cutting knives.

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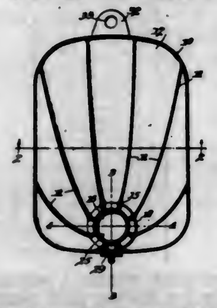
2,116,008
**PATCHING MATERIAL**
David Julian Block, Winnetka, Ill., assignor to Abraham Appel, Chicago, Ill.
Application May 14, 1934, Serial No. 725,593
3 Claims. (Cl. 2—243)



1. A patch, adapted to patch textile materials, comprising a grooved textile sheet having on one surface thereof a thin layer of grooved thermoplastic adhesive.

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2,116,009
**WATER BAG**
Mae H. Brown, Polk, Mo.
Application October 6, 1937, Serial No. 167,622
6 Claims. (Cl. 128—258)



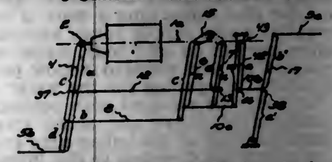
6. A water bag of the class described including a flexible hollow body having a tubular member extending upwardly through the body and provided with a central filling passage, spaced partitions extending from said tubular member to the sides of the body to separate the same into spaced compartments, the lower wall of said tubular member being internally threaded and provided with spaced openings between the partitions for communicating the compartments with said passage, said tubular member above said openings having an outwardly extending shoulder terminating in an enlarged internally threaded neck, said bag having a discharge port



communicating with said passage, a removable plug for closing said port, interchangeable threaded closures arranged to be connected to said tubular member, and means when the plug is removed for attaching to said port a syringe nipple for discharging the liquid in the bag through said passage into and through said nipple.

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2,116,010
**VARIABLE LEVERAGE BRAKE RIGGING**
Bert Henry Browall, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden
Application February 28, 1935, Serial No. 8,746
6 Claims. (Cl. 188—195)



1. In a variable leverage brake rigging of the character described, a brake cylinder, a cylinder lever, a floating lever, an additional lever, a non-shiftable fulcrum for said additional lever disposed substantially on the axis of the brake cylinder, means for simultaneously varying the leverage ratio of the cylinder lever and the additional lever, and a connection between the additional lever and the floating lever, said connection being substantially parallel to the axis of the brake cylinder and so arranged in relation to said floating and additional levers, that the output force of the floating lever will be substantially equal to the output force of the cylinder lever for both the high and low leverage setting of the brake rigging.

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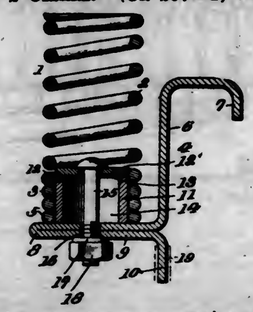
2,116,011
**LOCK**
Kenly C. Bugg, Farmington, Mo.
Application January 19, 1933, Serial No. 185,774
28 Claims. (Cl. 70—289)



1. A lock comprising a casing, spaced stops and a shouldered portion thereon, said shouldered portion having a slot in substantial alignment with one of said stops, a revoluble member oscillatably mounted in said casing having a locking member provided on one end thereof, said locking member having a stop adapted to be moved between said first named stops to limit the movement of said locking member, the opposite end of said revoluble member being recessed and having a flange overlapping said shouldered portion, said flange being provided with a notch in registration with said slot when said last named stop is in contact with one of said first named stops, a spring disposed in said recess, an operating member having a shaft extending through said revoluble member, a disc rotatably mounted on said shaft between said flange and said operating member and frictionally urged toward said operating member by said spring, said disc having a protruding member adapted to be received in said slot and notch in one position of operation, and to be received in said notch and to ride on said shouldered portion during another operation, a track member fixed to said revoluble member and having a depression adjacent the center thereof, angularly disposed spaced tracks formed in said track member arranged in a predetermined sequence and position relative to each other, a second track member secured to said shaft and having a flange overlapping said first track member and extending toward said locking member, a ball disposed between said track members, said spring urging said track members toward each other, said locking member and said second track member having interengaging means adapted to be in engagement when said ball is disposed in said depression to permit said locking member to be moved by said operating member, said tracks being so constructed and arranged that when the operating member is revolved in a predetermined sequence said ball will move into said depression, but if the operating member is not moved in said sequence the ball will move outwardly of the track members to break the sequence of operation of the lock, longitudinal movement of said operating member moving the ball from any position to a predetermined initial position.

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2,116,012
**SEAT SPRING**
Lee F. Busha, College Park, Ga.
Application May 5, 1936, Serial No. 78,034
2 Claims. (Cl. 267—1)



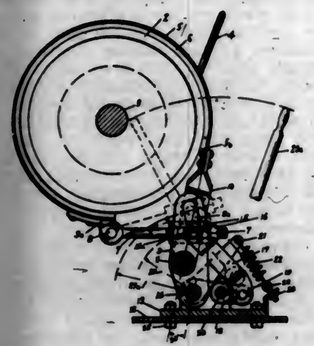
1. A weight carrying compression spring for box seats and the like comprising a substantially L-shaped hanger member, an outwardly and downwardly bent portion on said hanger for engaging the box seat and suspending the spring therein, and a laterally extending doubly bent arm on said hanger having a coil spring mounted in upright position thereon, the upper coils of said spring being loosely arranged and the lower coils thereof being closely compressed together, and a removable bushing tightly pressed within said compressed coils for securing the spring to said hanger arm, and a relatively short flat member on said hanger for flatly engaging the wall of the seat box and retaining the hanger and spring in vertical upright position.

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2,116,013
**BRAKE OPERATING MECHANISM**
Amon H. Carson and Rexford O. Andersen, Oklahoma City, Okla.
Application February 24, 1936, Serial No. 65,280
14 Claims. (Cl. 188—77)

1. A brake mechanism including a brake band, having its two ends connected at points which

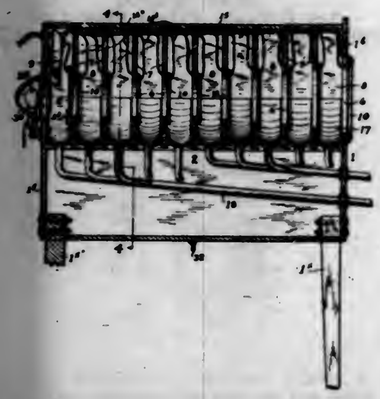
vary relative to each other on a single link, which is in turn attached to a foundation, whereby the



power, as built up by the load being handled, is transmitted to create the power necessary to balance the load.

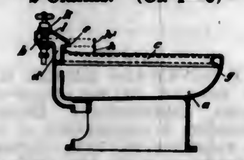
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2,116,014
**AMUSEMENT APPARATUS**
Louis De Marco, Cleveland, Ohio
Application February 24, 1936, Serial No. 65,235
6 Claims. (Cl. 273—102.2)



1. In an amusement apparatus, a target comprising a casing having a plurality of transverse partitions spaced apart throughout the length of the casing and having central openings therethrough of different diameters, a bull's-eye mounted on the innermost partition within the opening thereof, a ring mounted on the forward side of each of said partitions to move substantially axially of the opening therein, the inner marginal portion of each of said rings being shaped in cross section to form a deflecting wall and having a diameter less than that of the adjacent opening, springs normally tending to move each said ring away from the adjacent partition, a signal device connected to said deflector rings for actuation upon the movement thereof under impact of a projectile, troughs disposed between the lower portions of said partitions for collecting projectiles deflected into the spaces provided between the partitions, and independent collecting devices leading from said troughs for carrying off projectiles settling in the troughs.

2,116,015
**SANITARY BASIN AND THE LIKE**
Adolf Ehrhardt, Hamburg, Germany, assignor to Triton Belco A. G., Hamburg, Germany
Application December 1, 1936, Serial No. 113,706
In Germany December 6, 1935
2 Claims. (Cl. 4—6)



1. Sanitary basins such as bidets, gargling bowls and the like, comprising a body, a hollow circumferential water supply collar and an elevated hollow portion on said body, water supply fittings carried by said elevated hollow portion, the main discharge opening for the water being situated between the elevated rear portion and the circumferential collar and being arranged higher than the level of the collar-edge and extending in a slanting direction to the interior of said body, said opening serving, on one hand, as an outlet for the water which is not used for flushing or heating the hollow collar and, on the other hand, serving to admit air when a vacuum occurs in the supply pipe, thereby preventing the back flow of dirty water.

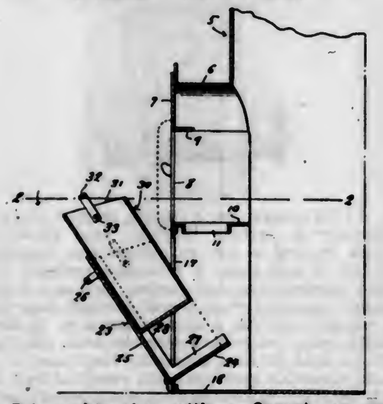
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2,116,016
**GLYOXAL-SEMI-ACETALS**
Hermann Fischer, Basel, Switzerland
No Drawing. Application February 26, 1936, Serial No. 65,925. In Switzerland March 2, 1935
2 Claims. (Cl. 260—141)

1. As new chemical products, the isolated pure glyoxal-semi-acetals.

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2,116,017
**CLINKER DISPOSAL DEVICE**
Clarence S. Franke, St. Louis, Mo.
Application July 22, 1937, Serial No. 155,101
3 Claims. (Cl. 126—245)

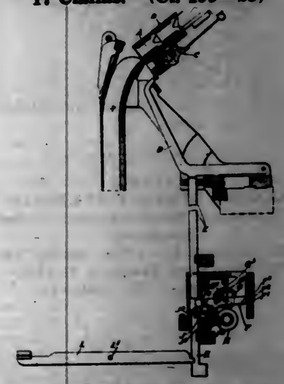


1. In combination with a firepot, an upper service door closing a service opening formed in a wall of said firepot, a partition in said firepot substantially on a level with the bottom of said service opening and provided with a clinker passing opening, an auxiliary door closing an auxiliary opening formed in said wall, a vertically movable clinker box mounted on said auxiliary door, said clinker box occupying a position within said firepot in substantial alignment with the said clinker passing opening in said partition while said auxiliary door is closed.



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2,116,018
**TYPOGRAPHICAL COMPOSING MACHINE**
Frank C. Frolander, Elizabeth, N. J., assignor to Mergenthaler Linotype Company, a corporation of New York
Application December 22, 1936, Serial No. 117,119
17 Claims. (Cl. 199—25)



1. A power operated mechanism for typographical machines including, in combination, an actuating element, means for operating said element, control means for normally maintaining said operating means inactive and operable periodically to render said means active to inaugurate the operation of the actuating element, and safety means operable, upon the abnormal operation of said control means, to act independently of the control means to arrest the operating means after its operation of the actuating element.

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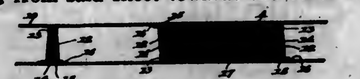
2,116,019
**MOLDED INFUSIBLE SYNTHETIC RESINS AND PROCESS OF MAKING SAME**
Alphonse Gams, Gustave Widmer, and Karl Frey, Basel, Switzerland, assignors, by mesne assignments, to the firm of Ciba Products Corporation, Dover, Del.
No Drawing. Application October 8, 1929, Serial No. 398,267. In Switzerland October 23, 1928
23 Claims. (Cl. 18—55)

8. The process of manufacturing resinous products which comprises reacting aniline, in the presence of an inorganic non-oxidizing mineral acid in aqueous solution, with such quantity of an aldehyde as to form only a fusible product, separating the latter from solution, adding such quantity of an aldehyde to the separated product as to enable it to be converted to the infusible state, and effecting such conversion to the infusible state by molding under heat and pressure.

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2,116,020
**BUILDING CONSTRUCTION AND BUILDING ELEMENTS THEREFOR**
Henri Gauvin, Ottawa, Ontario, Canada
Application January 25, 1937, Serial No. 122,303
9 Claims. (Cl. 189—34)

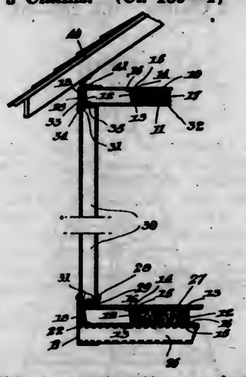
7. In building construction, a building element the exterior surfaces of which are adapted to form a complete exterior and interior wall, comprising a pair of spaced apart metal sheets, at least one of said sheets having integral ribs pressed therefrom and spaced apart from one another along the sheet, said ribs projecting from said sheet towards the other sheet



and connected to the other sheet to form a reinforced element, said ribs being hollow and each having a mouth opening on one face of the sheet and a removable sealing plate fitted over the mouth of each rib and lying flush with the said face of said sheet.

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2,116,021
**BUILDING CONSTRUCTION**
Henri Gauvin, Ottawa, Ontario, Canada
Original application January 25, 1937, Serial No. 122,303. Divided and this application June 16, 1937, Serial No. 148,599
3 Claims. (Cl. 189—1)



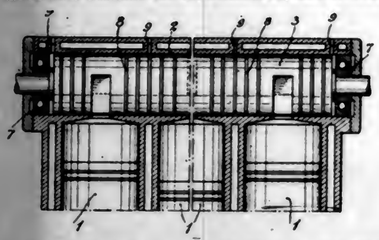
1. In building construction, a building unit comprising a metal chassis having marginal channel beams and a plurality of cross beams carried thereby, said channel beams projecting above said cross beams, a floor composed of spaced apart metal sheets with reinforcing members disposed therebetween and secured to said sheets, supported on said cross beams, the marginal edges of said floor being housed within the projecting portions of the channel beams, a plurality of walls of corresponding construction to the floor mounted on the upper face of the channel beams, a ceiling of corresponding construction to the walls and floor supported on the upper edges of the walls and secured thereto and means for rendering the joints effected by the walls, floor and ceiling, weatherproof.

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2,116,022
**ROTATING VALVE FOR INTERNAL COMBUSTION ENGINES**
Court Gross, Oslo, Norway, assignor to Motoraktieselskapet, Oslo, Norway
Application May 15, 1936, Serial No. 80,004
In Norway June 13, 1935
1 Claim. (Cl. 123—190)

A rotating valve for internal combustion engines, in which no packings are provided between the rotating cylindrical valve body and the enclosing cylindric surface, in which the difference between the exterior diameter of the rotating valve body and the interior diameter of the

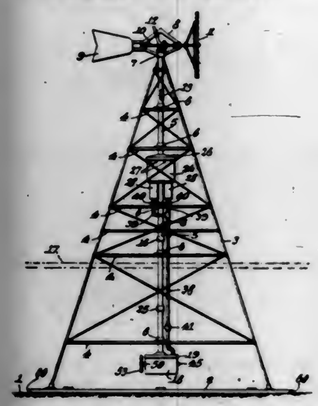
enclosing cylindrical surface is not less than 0.1 and does not exceed 0.5 millimetres, the necessary



tight fit between the valve body and the enclosing surface being obtained by maintaining a film of oil in the space therebetween.

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**2,116,023**
**AERATOR**
**Stanislous J. Gwidt, Rhinelander, Wis.**
**Application December 31, 1936, Serial No. 118,699**
**2 Claims. (Cl. 261—87)**

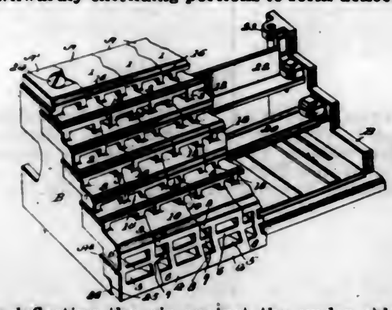


1. In a device for aerating water, a support, a substantially horizontal tubular shaft mounted to rotate on the support, a water propeller secured to the shaft, a substantially vertical shaft mounted to rotate on the support, means for connecting the shafts operatively, an air pump on the support, means for conducting air from the pump to the hollow shaft, means for connecting the pump operatively with the substantially vertical shaft, and a motor on the support, the motor driving the substantially vertical shaft, the propeller and the tubular shaft being positioned beneath the surface of the water to be aerated.

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**2,116,024**
**FURNACE GRATE**
**Frederic Helmick, Fairmont, W. Va.**
**Application August 26, 1936, Serial No. 98,024**
**9 Claims. (Cl. 126—163)**

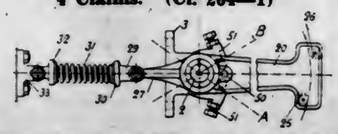
8. A grate of the kind described adapted to be arranged over a wind box formed of a plurality of hollow grate bars, each grate bar having a longitudinal stepped zig-zag formation and an open bottom, the treads of said steps being provided with lateral flanges for spacing said bars apart to provide air outlets, the risers of said steps being provided with air outlets, the air outlets of the risers extending at an angle to one another, said bars being provided with rearwardly and downwardly extending portions to form deflectors



for deflecting the air against the under side of the treads of said steps.

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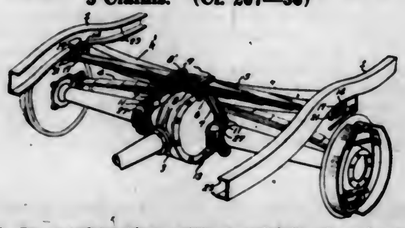
**2,116,025**
**ENGINE SPEED GOVERNOR**
**Torkild Valdemar Hemmingsen, Copenhagen, Denmark**
**Application October 31, 1936, Serial No. 108,676**
**In Denmark January 2, 1936**
**4 Claims. (Cl. 264—1)**



1. In an engine speed governor of the kind described, a reciprocating governor member, two spring-biased inertia elements movably connected to said governor member, a displaceable passive lever adapted to coact with said inertia elements, said lever being displaced in one direction by one of the inertia elements and in the other direction by the other of the inertia elements when the speed exceeds or falls below certain values, said lever being connected with a device for regulating the motive fuel supply to the engine, a mechanism adapted to move the passive lever after it has been displaced by one of the inertia members of the governor member to a still further position in the direction of the displacement and to maintain the passive lever in such further position.

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**2,116,026**
**VEHICLE SPRING SUSPENSION**
**Daniel H. Heuman, Kansas City, Mo.**
**Application January 2, 1935, Serial No. 37**
**5 Claims. (Cl. 267—36)**



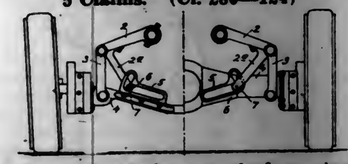
1. In combination with a vehicle chassis and axle including a differential housing, a main spring support between the chassis and the axle, an auxiliary spring support for the chassis comprising an auxiliary spring extending in a direction transversely of the chassis and assisting in



the support of the chassis, bracket means upon which the spring is supported intermediate its ends, said bracket means having a portion to which the spring is secured and having another portion embracing the housing and secured to the axle.

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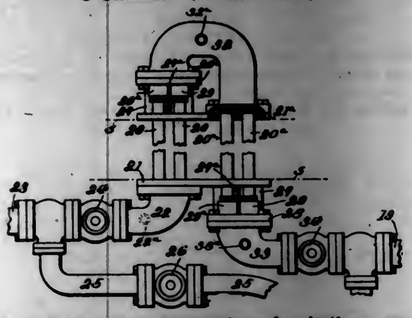
**2,116,027**
**MOTOR VEHICLE**
**Joachim Kolbe, Hanover, Germany**
**Application August 27, 1935, Serial No. 38,095**
**In Germany August 28, 1934**
**5 Claims. (Cl. 280—124)**



1. In a motor vehicle, an underframe including axles having slots therein, a body mounted on the axles and adapted to assume an inclined banking position under the influence of lateral forces when travelling through curves on roads, and a connection between the body and separate axles including composite links pivotally connected at their outer ends to the body and axles respectively, and acting to maintain the axles in proper transverse position and against longitudinal movements relative to the body of the vehicle, the axle connections being held against movements laterally of the vehicle body, and another part of each of the composite links being guided by the slots, the body being guided in its movements by movements of said parts of said links in said slots.

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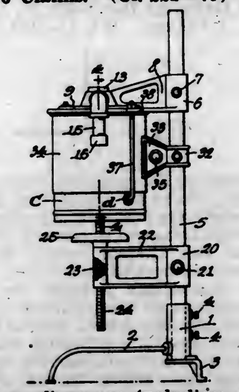
**2,116,028**
**FEED WATER ECONOMIZER**
**George Leonidas Kottes, New Orleans, La.**
**Application December 5, 1936, Serial No. 114,516**
**5 Claims. (Cl. 257—255)**



2. A feed water economizer for boilers, comprising two header members each including an inlet and an outlet structure, the inlet and outlet structures of each member being rigidly spaced from the inlet and outlet structures of the other member and including a plate having a flange fixed in spaced relation thereto and integral bosses on said flanges, a water supply connection to the inlet structure of one member, a water discharge connection to the outlet structure of the same member, a return bend connection joining the inlet and outlet structures of the other member, and tubes passing through apertures in said plates and said flanges and through said bosses for joining the inlet structure of each member with the outlet structure of the other member, and the inlet and outlet structures providing packing means associated with said bosses for providing a liquid-tight joint around the tubes.

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**2,116,029**
**GREASE GUN FILLER**
**Arthur Lee, Kankakee, Ill.**
**Application February 25, 1937, Serial No. 127,727**
**6 Claims. (Cl. 221—79)**



1. A grease dispenser including a base, an invertible standard detachably mounted at either end in the base, an apertured member thereon, a delivery nozzle carried by said member and communicating with the aperture, a follower, means on the standard for adjustably supporting the follower for movement toward said member, and means on the standard for surrounding and gripping a grease container with its bottom against the apertured member and its open end positioned to receive the follower.

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**2,116,030**
**METHOD OF BURNING MINERAL SUBSTANCES AND POROUS PRODUCT THEREOF**
**Emrik Ivar Lindman, Stocksund, near Stockholm, Sweden**
**Application August 21, 1936, Serial No. 97,272**
**In Sweden December 15, 1934**
**9 Claims. (Cl. 263—52)**



1. A method of manufacturing a cellular clinker-like product, comprising, heating a mineral material capable of expansion by gas liberated therein at sintering temperatures to such a high temperature that the entire mass reaches a viscous substantially thoroughly melting state, by means of a flame burning above said material while in contact with a supporting wall which moves relative to the material, and is composed of a material having a coefficient of heat transmission substantially higher than that of the mass, which is expanded by means of gases evolved from the material, cooling said mass on

its surface in the part thereof that immediately thereafter comes into contact with the furnace wall, to prevent the mass from sticking to said wall, and stopping the heating when the expansion of the material is completed.

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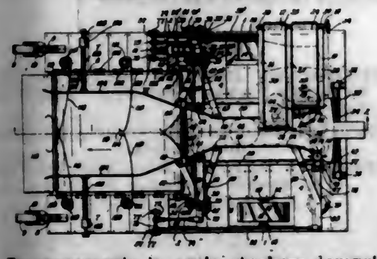
2,116,031
**MACHINE FOR GRINDING SCREW THREADS**
Herbert Lindner, Berlin-Witteau, Germany
Application December 4, 1935, Serial No. 52,927
In Germany December 21, 1934
2 Claims. (Cl. 51—103)



1. In a machine for grinding threads on cylindrical bodies, means for supporting a cylindrical body and positively rotating the same, a thread grinding wheel arranged to contact the supported body at one side thereof, means for centering said body with respect to said wheel, said centering means comprising a guide arranged substantially opposite to the grinding wheel, means to rotate the grinding wheel, means to cause the body to move past the grinding wheel in contact therewith, and means carried by said guide and engaging the formed thread of said body, said last means comprising means for regulating the feed of said body.

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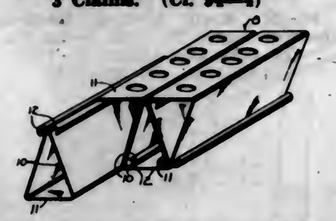
2,116,032
**GRAIN STOOKER**
Donald MacLean, Middlechurch, Manitoba, Canada
Application August 18, 1936, Serial No. 96,692
7 Claims. (Cl. 56—410)



1. Improvements in grain stookers comprising a movably mounted framework, sheaf receiving and elevating means attached thereto, a movable sheaf carrying belt mounted beneath said elevating means, said elevating means being adapted to deposit a sheaf in an upright position upon said carrying belt, vertical belts situated on either side of said carrying belt and a pivotally mounted tipping element designed to urge said sheaves into engagement with said vertical belts, means for actuating said sheaf elevating means, said carrying belt and said vertical belts, a normally stationary discharge belt at one end of said carrying belt, a pair of lateral, horizontally disposed rollers, said discharge belt being mounted thereon embracing arms situated on either side thereof, a plurality of resilient arms extending partially thereacross, said carrying belt being adapted to deposit a plurality of sheaves upon said discharge belt between said embracing arms and said resilient arms to form a stook and means for imparting motion to said discharge belt to deposit said stook in unbroken formation upon the ground.

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2,116,033
**ROADWAY CONSTRUCTION**
William R. Malone, Clearfield, Pa.
Application June 5, 1936, Serial No. 83,735
3 Claims. (Cl. 94—4)



1. A trussed construction comprising a plurality of similar triangular units of identical shape and size having integral chord and web portions, said units being arranged in side by side relation, alternate units being inverted with respect to the other units, and the webs of adjacent units being slidably interlocked with each other.

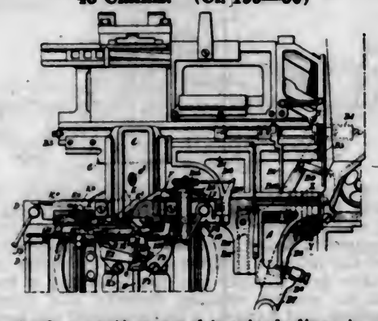
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2,116,034
**COMPOUNDS AND PROCESSES FOR CLEANING MOLDS**
Carver N. McGaughey, Clarksburg, W. Va.
No Drawing. Application August 17, 1936, Serial No. 96,551
2 Claims. (Cl. 148—8)

1. A composition of matter for cleaning molds used for making glassware comprising a solution of stannous chloride and water acidulated with tartaric acid, said tartaric acid providing a solvent for said stannous chloride and said stannous chloride defining a reducing agent for reducing iron oxide deposits within the molds.

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2,116,035
**SLUG CASTING MACHINE**
Richard R. Mead, Queens Village, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application December 10, 1936, Serial No. 115,089
48 Claims. (Cl. 199—50)



1. A slug casting machine including, in combination, left and right line clamping jaws, movable jaw supports therefor, means for adjusting the right hand jaw relatively to its movable jaw support to the left of its normal position, and means for locking the jaw to its support in its adjusted position.



2,116,036
**LOCK NUT**
Benjamin F. Money, Tulsa, Okla., assignor of thirty one-hundredths to Charles R. Terry and thirty one-hundredths to Albert Cohan, both of Tulsa, Okla.
Application April 14, 1937, Serial No. 136,890
2 Claims. (Cl. 151—21)



1. In a lock nut of the character described, the combination with a threaded bolt, of a nut having threads to engage the threads of the bolt, a plurality of the threads of the nut adjacent the top of the nut being deep cut and relatively thin in comparison to the remaining threads of the nut, the group of thin threads being slightly depressed to successively occupy positions out of true pitch with the other threads of the nut and the threads of the bolt whereby frictional contact is established between said thin threads of the nut and the lower walls of the threads of the bolt.

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2,116,037
**PARACHUTE**
Sueto Nonaka, Naeiri-gun, Japan
Application July 31, 1935, Serial No. 34,073
2 Claims. (Cl. 244—153)



1. In combination with a parachute comprising a parachute body having peripherally attached shroud lines, an air escape port centrally formed therein and a movable flap normally closing said escape port; of a central suspension cord kept taut by the weight of any passenger, a group of operating cords connected to said central suspension cord and to said flap, and means for slacking said central suspension cord, whereby said flap is opened.

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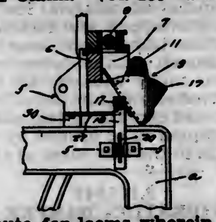
2,116,038
**SAFETY RAZOR BLADE SHARPENER**
Robert Alexander Ferdinand Ohlendorf, Buenos Aires, Argentina, assignor, by mesne assignments, to Felipe Sacttone, Buenos Aires, Argentina
Application June 25, 1936, Serial No. 87,302
In Argentina July 2, 1935
3 Claims. (Cl. 51—89)



2. A device for use in whetting or sharpening safety razor blades, comprising two superimposed, rigidly interconnected inflexible frames with one end thereof shaped as a handle, said frames being spaced apart by an interposed spacing frame, said frames having an aperture therethrough to receive a blade, blade holding means slidably arranged between said frames and adapted to be moved in and out of said aperture and to freely support the blade within said frames normally perpendicular to said frames, said blade holding means consisting of sheet material and comprising a comb like portion adapted to engage the perforations of the blade to be sharpened and a body portion provided with projections extending into longitudinal slots in the first-mentioned frames for moving and guiding the blade holder for engaging or disengaging the blade, and blade retaining means also arranged between said frames and provided with a pair of short, relatively narrow notches into which the side edges of the blade extend, whereby sharpening of the blade can be effected by sliding movement of a person's finger or separate whetting element along the frames across the blade with flexure of the latter during passage of the whetter thereover.

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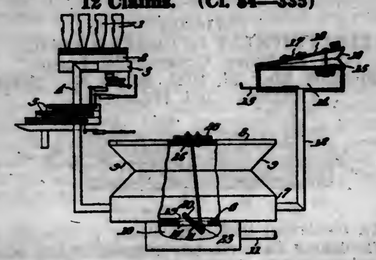
2,116,039
**QUILL CHUTE**
Augusta M. Pressley, Concord, N. C.
Application March 11, 1937, Serial No. 130,397
1 Claim. (Cl. 139—241)



A quill chute for looms wherein a lay is employed; a chute structure having a bottom, and a lip extending from the bottom toward the lay, a rockable support for the chute, including a shaft positioned horizontally along the bottom, supports at each end of the shaft for securing the shaft to the loom, a bearing for the shaft fixed to the bottom, a collar adjustable longitudinally on the shaft, a coil spring mounted on the shaft and having its end secured respectively to said bearing and said collar for yieldably urging the chute in a position with the lip against the lay, said bearing having a stop on one end and a stop fixed to the shaft in the path of said first named stop to limit swinging movement of the chute.

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2,116,040
**PIPE ORGAN**
George M. Quave, West Asheville, N. C.
Application February 7, 1938, Serial No. 62,858
12 Claims. (Cl. 84—335)



1. In a pipe organ, the combination with a plurality of pipes, a bellows, a trunk connecting said pipes and bellows, and an air intake box having an opening in the upper wall thereof, said bellows being seated on said intake box and having an opening alined with said air intake box

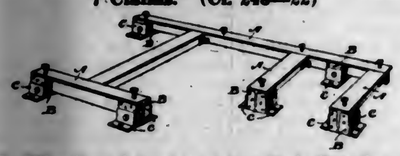
opening, of a valve controlling communication between said intake box and said bellows, and an operating member for said valve connected to the upper rigid wall of said bellows, said valve being of the non-stop type.

2,116,041
**CONTAINER**
Michael C. Regan, Califon, N. J.
Application December 4, 1936, Serial No. 114,260
5 Claims. (Cl. 206—56)



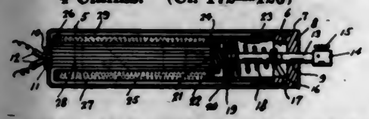
1. A container and the like comprising sheets of flexible transparent material having the side edges thereof overlapped and flexibly joined together, a flexible transparent base member removably positioned in the lower ends of said sheets, and the upper ends of said sheets being curved and fitted one within the other to form a tight seal for said container, said sealed lip portions being adapted to be opened by the application of pressure to the side edges of said sheets.

2,116,042
**VIBRATION DAMPER**
Siegfried Rosenzweig, Long Island City, N. Y.
Application July 22, 1936, Serial No. 92,021
7 Claims. (Cl. 248—22)



7. Vibration damping means including, in combination, a machine supporting frame comprising a plurality of continuous inter-connected frame elements each including vertical and horizontal portions, and a plurality of damping chairs including isolation material for embracing the vertical portions of said frame elements and for supporting the horizontal portions, said chairs being arranged at spaced intervals beneath the frame to support the same.

2,116,043
**ELECTRICALLY OPERATED TOOL**
John H. Rowe, Grangeville, Idaho
Application May 16, 1935, Serial No. 21,969
4 Claims. (Cl. 172—126)



2. An electrical tool comprising a tubular dielectric casing, an electro-magnet lying along said casing and having one end spaced from one end of said casing, said electro-magnet including a core, a cap closing said one end of the casing and removably threaded therein, said cap being formed with a bore, a longitudinally reciprocable shaft slidably supported in said bore and having its axially outer end formed with a tool chuck, a magnetizable partition disposed in said casing in axially spaced relation to said electro-magnet, said magnetizable partition being formed with a bore, an armature comprising a magnetically permeable head located at the magnet side of said partition, said head having a reduced shank slidably supported in the last-mentioned bore, means separably connecting said reduced shank and the axially inward end of said reciprocable shaft, a stop on said shaft spaced axially outwardly from said shank, an expanding spring interposed between said partition and said stop and normally retracting said armature away from said electro-magnet, said core having a longitudinal extension reaching to and contacting said magnetizable partition.

2,116,044
**DEVICE FOR STRAINING AND FILTERING**
Claude Sanford Rucker, Washington, D. C.
Application April 21, 1936, Serial No. 75,607
5 Claims. (Cl. 210—155)



1. A metal straining and filtering device comprising a cup-shaped supporting member having a centrally disposed opening in the bottom thereof, and a flange extending downwardly from the edge of said opening, the lower edge of said flange being bent outwardly back upon itself to form a shoulder on the outside thereof, and a straining and filtering element of perforated material having an annular flange bent upwards to form a circular wall, the upper edge of said wall being inturned and folded back upon itself to form a shoulder on the inside thereof, said shoulder being engaged above the shoulder on the supporting member.

2,116,045
**KEY RETAINING DEVICE FOR LOCKS**
Antonio Otilio Rufino, Buenos Aires, Argentina
Application January 16, 1935, Serial No. 2,128
In Argentina December 3, 1934
2 Claims. (Cl. 70—429)



2. A key-retaining device for locks in accordance with claim 1, in which the slidable member is provided with a notch at one end and the key with a corresponding annular groove adapted to interengage actuated by said springs with the key inserted, and said springs tending to push said slidable member to close the key-hole with the key removed.

2,116,046
**MOTOR-CAR BRAKE APPARATUS**
Hans Schmutz, Bern, Switzerland
Application September 8, 1934, Serial No. 743,252
In Switzerland September 9, 1933
6 Claims. (Cl. 121—48)

1. A fluid pressure apparatus for actuating brakes for motor cars and other vehicles com-



prising a casing having walls, a flexible diaphragm having a central aperture secured circumferentially to said casing, said casing being provided with a central bore and a packing in at least one of the walls, a brake rod passing



through said bore and said aperture and comprising two sections screwed together, and supporting disks having central apertures secured on both sides of said diaphragm, said diaphragm and supporting disks being securely fixed to said brake rod by said brake rod screw connection.

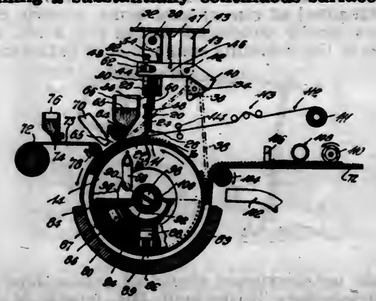
2,116,047
**SLIP**
Max Charles Schrank, Bridgeton, N. J.
Application July 31, 1935, Serial No. 34,070
1 Claim. (Cl. 2—73)




A sagless garment of the slip type including a substantially inverted T-shaped body section having vertical and horizontal threads, the vertically extending central portion of which extends from the hip line to a point adjacent the neck of the wearer to provide an upper front panel, and the horizontal lower portion of said body section having its laterally extending ends overlapped and connected along their upper edges throughout the entire length thereof so as to provide free bottom and end edges, and a back panel having its threads disposed on a bias with respect to the threads of the front panel and being connected to the side edges of the latter and to the connected upper edges of the overlapped portions of the inverted T-shaped body section, said biased back portion extending from a point at substantially the hip-line of the garment and terminating at a point adjacent the neck of the wearer, whereby to permit stretching of the garment during stooping and sitting positions of the wearer and a return to normal when the wearer is in a standing position to prevent sagging of the rear portion of the garment.

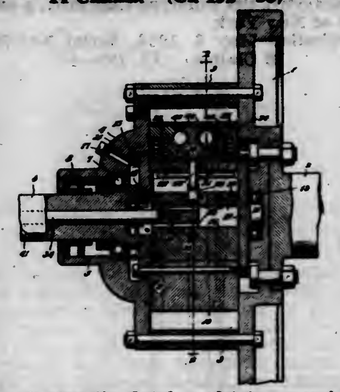
2,116,048
**METHOD OF MAKING PILE FABRICS**
Paul S. Smith, Cambridge, N. Y., assignor to Lea Fabrics, Inc., Newark, N. J., a corporation of Delaware
Application June 17, 1933, Serial No. 676,395
13 Claims. (Cl. 154—2)

12. A method for the manufacture of pile fabric which comprises arranging yarns in transverse alignment, guiding the yarns during the said aligning step, arranging the yarns into a series of loops with the base portions thereof forming a substantially continuous surface with



no intervening holding means or spacing elements between the bases of the adjacent loops and cementing the base portions of the loops together.

2,116,049
**HYDRAULIC CLUTCH**
Franklin E. Staats, Peoria, Ill., assignor to Staats Hydraulic Appliance, Inc., Peoria, Ill., a corporation of Illinois
Application April 25, 1934, Serial No. 722,378
14 Claims. (Cl. 192—58)



1. In a hydraulic clutch, a driving member including a casing having an eccentric inner surface, a rotor mounted concentrically in the casing, plungers mounted radially in the rotor and adapted to be projected to engage the eccentric surface of the driving member, the rotor being provided with passages at the sides of the plunger communicating with the space between the rotor and the driving member and other passages directing liquid to the inner ends of the plungers from the space between the rotor and the driving member, and a valve rotatably mounted centrally within the rotor and provided with channels adapted to connect the inner ends of the passages at the opposite sides of the plungers and with intervening portions adapted to cover some of said passages.

2,116,050
**ADJUSTABLE SUPPORT FOR ELECTRIC LAMPS**
Hubert Arthur Stock and Archibald Joseph Wilmot, Peterborough, England
Application February 5, 1937, Serial No. 124,318
In Great Britain February 14, 1936
3 Claims. (Cl. 285—1)

1. An extensible bracket for electric lamps and

like appliances, including tubular arms connected for relative swiveling movement, a lamp socket bracket connected for swiveling movement to the free terminal of one of said arms, electric conductors wholly concealed within the arms, and means at the swiveling connection of each arm to



provide uninterrupted electrical connections for the conductors throughout the length of the bracket, said means preventing any strain or twisting on the electrical conductors during any possible relative swiveling movement of the arms or lamp socket bracket.

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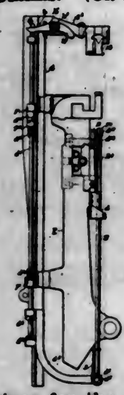
2,116,051

**TYPOGRAPHICAL COMPOSING AND CASTING MACHINE**

Thomas J. Thatcher, Huntington, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York

Application May 6, 1936, Serial No. 78,149

18 Claims. (Cl. 199—62)



1. A knife wiper for the slug trimming knife of a slug casting machine, said wiper being formed to engage the inner face of the knife.
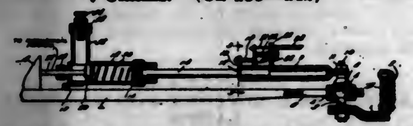
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2,116,052

**COMBINED TRAILER COUPLING AND BRAKE**

Norman W. Turpin, Hazleton, Pa.

Application September 21, 1937, Serial No. 164,960

7 Claims. (Cl. 188—142)



1. Means for connecting a trailer with a towing vehicle comprising a tongue connected with the trailer and having an elongated guide slot at its forward end, a member connected with the rear of the towing vehicle, a swivel connection between the tongue and said member and having a part slidably arranged in said slot, a pair of telescopic members one of which is connected with the member connected with the towing vehicle, means associated with the second telescopic member for applying the brakes of the trailer when the trailer moves toward the towing vehicle, latch means for preventing relative movement between the two telescopic members and manually operated means moving the latch means to releasing position from a point within the towing vehicle.

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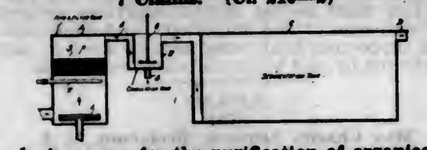
2,116,053

**PROCESS FOR THE PURIFICATION OF ORGANICALLY POLLUTED WATER**

Oliver M. Urbain and William R. Stemen, Columbus, Ohio, assignors to Charles H. Lewis, Harpster, Ohio

Application November 13, 1935, Serial No. 49,614

7 Claims. (Cl. 210—2)



1. A process for the purification of organically polluted liquids comprising passing the liquid through a bed of scrap iron, introducing chlorine and diffused air to pass simultaneously with the liquid through the bed of iron forming ferric chloride in situ, and thereafter treating the resultant liquid with hydrated lime and passing the treated liquid to a settling zone.

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2,116,054

**PROPELLER**

John Weichwald, Chicago, Ill.

Application December 29, 1934, Serial No. 759,698

6 Claims. (Cl. 170—165)



1. The combination with a drive shaft, of a propeller comprising three blades having hubs adjacently mounted on said shaft, said blades having a uniformly outwardly increasing pitch and being arranged circularly relatively one to the other so that their order of succession in their revolution about the drive shaft, when considered in the direction of movement of the body propelled, is such that the foremost blade is followed by the rearmost blade and the rearmost blade by the intermediate blade, and the total combined length of the hubs of said three blades not exceeding the depth of the circular path of revolution defined by the innermost and outermost tip portions of the inner and outer blades.

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2,116,055

**PROPELLER**

John Weichwald, Chicago, Ill.

Application January 17, 1936, Serial No. 59,644

4 Claims. (Cl. 170—159)

1. A propeller comprising a body having a central hub portion adapted to be secured to a motor shaft and a pair of oppositely disposed blade portions arranged symmetrically about the longitudinal axis of the motor shaft and formed integrally with said hub portion, said blade portions being pitched relatively one to the other oppositely from the center of the hub portion, each blade portion decreasing in face width from a maxi-





mum at the center of the hub to a minimum at the tip of the blade, and each blade portion being symmetrical about its longitudinal center line and having a uniform outwardly increase in pitch evolving from zero pitch on a common theoretical line of mergence passing transversely and rightangularly to the longitudinal axis of the motor shaft.

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2,116,056

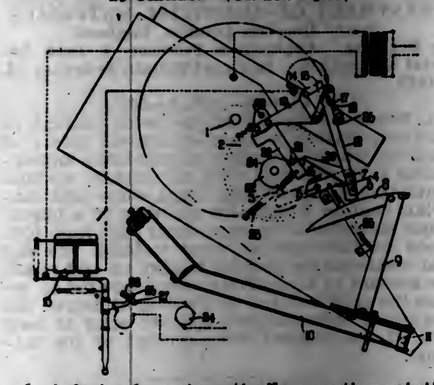
**GRAMOPHONE AND THE LIKE SOUND REPRODUCTION DEVICE**

Robert Wilkinson, Cheadle Hulme, England

Application September 23, 1936, Serial No. 102,238

In Great Britain September 26, 1935

19 Claims. (Cl. 192—123)



1. A device for automatically arresting rotation of a gramophone turntable on completion of playing of a record, comprising an electric driving motor, relatively displaceable contacts in the circuit of said motor, means driven from the tone arm to displace said contacts relatively to one another, and means to periodically restore the said contacts to their original relative disposition.

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2,116,057

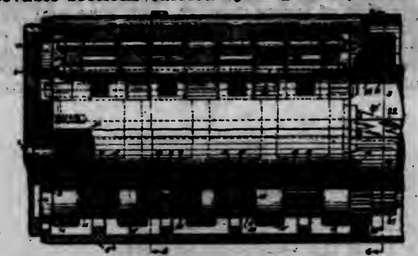
**COILING MECHANISM FOR SHEET MATERIAL**

Carl M. Yoder, Lakewood, Ohio

Application January 7, 1936, Serial No. 57,903

13 Claims. (Cl. 242—78)

1. In a coiling device for sheet material, a support, a shaft rotatably mounted on said support, a drum comprising a plurality of relatively movable sections carried by said shaft, a driven



element, means operated by said element for moving certain of said sections, connections between said element and said shaft for rotating the latter, and means for driving said element.

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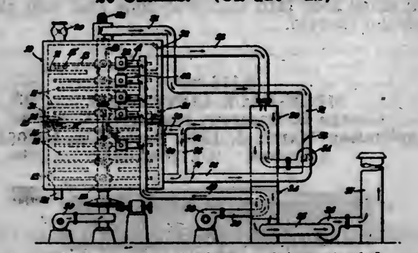
2,116,058

**DRYING AND INCINERATION OF COMBUSTIBLE MATERIAL**

George E. Connolly, Oakland, Calif., assignor to Nichols Engineering & Research Corporation, New York, N. Y., a corporation of Delaware

Application October 22, 1936, Serial No. 106,944

20 Claims. (Cl. 110—12)



1. A furnace for drying moist material, comprising a plurality of superposed hearths, means for introducing the material on to an upper hearth, means for rabbling the material on each hearth while gradually advancing the same over each hearth and from hearth to hearth down through the furnace, means for burning fuel within the upper portion of the furnace for heating such portion to a relatively high temperature to preliminarily heat and dry the moist material, means for recirculating a stream of air together with vapor evolved from the drying material, through the lower portion of the furnace, and means for heating said recirculating stream, thereby heating said lower portion of the furnace, but to a temperature relatively lower than in said upper portion, and insufficient to cause scorching or burning of the material.

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2,116,059

**DRYING AND BURNING OF MOIST MATERIAL**

George E. Connolly, Oakland, Calif., assignor to Nichols Engineering & Research Corporation, New York, N. Y., a corporation of Delaware

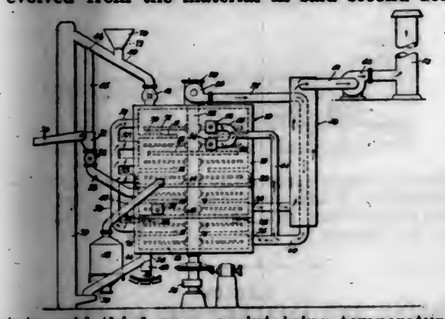
Application October 22, 1936, Serial No. 106,946

Renewed August 28, 1937

11 Claims. (Cl. 110—12)

1. The method of drying and burning moist waste material which comprises passing the material in succession through three zones, the material being heated and preliminarily dried in the

first zone, further dried in the second zone and incinerated in the third zone, the material being agitated and gradually advanced as a layer or succession of layers through each zone and from zone to zone, passing a stream of preheated air over the drying material within said second zone, then conducting such air together with vapor evolved from the material in said second zone



into said third zone, maintaining temperatures in said third zone sufficient to burn the material therein and to substantially destroy any noxious odors of said vapor and of the gases evolved from the burning material, and conducting the hot vapor and gaseous products of combustion from said third zone into said first zone and over the material therein.

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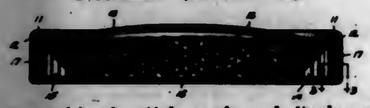
**2,116,060**

**OPEN-FACE CONTAINER**

George E. Damrow, Brooklyn, N. Y.

Application March 5, 1932, Serial No. 597,062

4 Claims. (Cl. 206—44)



1. A combined article pack and display package comprising a receptacle or the like having a substantially horizontally extending peripheral flange, a protective sheet of transparent material overlying the article and receptacle, and an annular cylindrical band of fibrous material surrounding the edge of the receptacle, said band having an upper retaining flange projecting inwardly therefrom for engaging the protective sheet, and lower locking means integral with and distributed circumferentially around the band and also projecting upwardly, said protective sheet extending beneath the retaining flange and inside the band, and the locking means engaging the under surface of the receptacle and serving to retain the receptacle, protective sheet and band in assembled relation if the pack is held anywhere about its edge.

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**2,116,061**

**PURIFICATION OF MINERAL OILS, TARS, THEIR DISTILLATION PRODUCTS, AND THE LIKE**

Eugen Derrer, Ludwigshafen-on-the-Rhine, Germany, assignor to Standard-I. G. Company, Linden, N. J., a corporation of Delaware

No Drawing. Application October 21, 1930, Serial No. 490,234. In Germany October 26, 1929

1 Claim. (Cl. 196—36)

A process for refining a crude aromatic hydrocarbon mixture, which comprises contacting said crude hydrocarbon in the vaporous phase at an elevated temperature with the surface of a solid substance having a large superficial area and with hydrogen while regulating the conditions so as to effect the removal of substances which resinify or decompose, when heated up to 400° C. in the presence of hydrogen, substantially without the removal of other constituents, and then treating the resulting main product with hydrogen at elevated temperatures between 200° and 350° C. while avoiding splitting of the carbon bonds in the hydrocarbon molecules in the presence of a catalyst which is immune from poisoning by sulphur.

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**2,116,062**

**PRODUCTION OR TREATMENT OF ARTIFICIAL FILAMENTS, THREADS, FOILS, AND THE LIKE**

Camille Dreyfus, New York, N. Y., and George Holland Ellis, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application May 27, 1933, Serial No. 673,366. In Great Britain June 16, 1932

16 Claims. (Cl. 18—54)

6. Process for the manufacture of artificial filaments, yarns, ribbons and the like of subdued lustre, which comprises forming a solution containing an organic derivative of cellulose and fine particles of an organic derivative of a saccharose, which saccharose derivative is insoluble in the solution and in said organic derivative of cellulose, extruding said solution through a shaping device into an evaporative atmosphere and subjecting the formed materials to a scouring operation.

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**2,116,063**

**TREATMENT OF ARTIFICIAL MATERIALS**

Henry Dreyfus, London, England

No Drawing. Application February 1, 1934, Serial No. 709,336. In Great Britain February 14, 1933

10 Claims. (Cl. 8—20)

1. Process for reducing the ester content of materials having a basis of organic esters of cellulose, which comprises mechanically impregnating said materials with an aqueous medium containing a saponifying agent while said materials contain a sufficient quantity of a hygroscopic substance in amount equal to at least 10% based on the cellulose ester material whereby said materials are enabled to take up and retain the amount of saponifying agent required to reduce the ester content to the desired degree, the amount of saponification effected being at least 20% of the original ester content of the material.

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**2,116,064**

**PRODUCTION OF TEXTILE MATERIALS**

Henry Dreyfus, London, and Robert Wighton Moncrieff, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application May 26, 1936, Serial No. 81,912. In Great Britain June 12, 1935

11 Claims. (Cl. 117—2)

1. Process for the insertion of a high degree of twist in a textile yarn, which comprises applying at least part of the twist while the yarn carries as the sole auxiliary agent an amount of a non-drying oily substance equal to at least 6% of the weight of the yarn.



**2,116,065**

**COATED ORGANIC MATERIALS AND PROCESSES AND COMPOSITIONS**

John L. Elliot, New York County, N. Y., assignor to The International Printing Ink Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application August 4, 1934, Serial No. 738,534

5 Claims. (Cl. 91—68)

1. The process of coating an organic base sheet which consists in applying to it a solution of rubber carrying a phthalic-anhydride-glycerine condensation product adapted to cause the rubber to wet this sheet, and then applying a solution of a cellulose ester including a softener to cover the first coating.

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**2,116,066**

**COATED MATERIALS AND TO PROCESSES FOR PRODUCING THE COATING**

John L. Elliot, Dallas, Tex., assignor to The International Printing Ink Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application April 18, 1935, Serial No. 17,057. Renewed September 14, 1937

11 Claims. (Cl. 91—68)

1. A coated material including a cellulosic base material, a coating of rubber carrying a smaller proportion of resinous material compatible therewith, a plasticizer in the coating, a cover coating including a cellulose ester, a resinous material in the cover coating compatible with the rubber, and more of the plasticizer in the cover coating.

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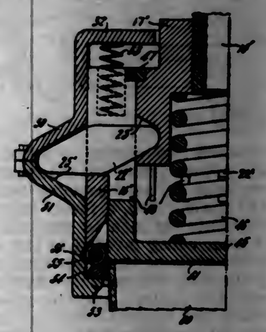
**2,116,067**

**CAPPING CHUCK**

Howard E. Gantzer, Kenmore, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York

Application November 9, 1935, Serial No. 48,993

11 Claims. (Cl. 226—86)



1. A capping chuck adapted to apply deformable caps to containers comprising a cap-deforming annulus, a plurality of rocking fingers bearing upon said annulus and projecting radially therefrom, a central plunger bearing upon the inner ends of said fingers, a concentric outer member provided with a groove confining the outer ends of said fingers, and a resilient annular deforming member supported by said outer member in position to surround the flange of a cap inserted in the chuck, said deforming member engaging the lower edge of said annulus to be actuated thereby.

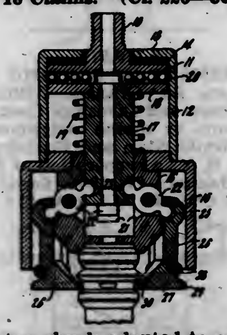
**2,116,068**

**CAPPING APPARATUS**

Howard E. Gantzer, Kenmore, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York

Application October 8, 1936, Serial No. 104,571

18 Claims. (Cl. 226—86)



1. A capping chuck adapted to apply deformable caps to containers comprising a cap-deforming annulus, a plurality of rocking fingers mounted upon said annulus and projecting radially therefrom, a central plunger movable relative to said annulus and having such operative engagement with the inner ends of said fingers as to rock said fingers in either direction, a plurality of outer cap-deforming members having operative engagement with the outer ends of said fingers whereby said members may be moved toward and away from said annulus by said fingers, and a cam ring surrounding said members within which said members are guided upon movement thereof.

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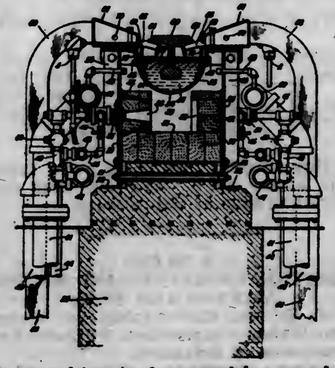
**2,116,069**

**APPARATUS FOR SELECTIVELY QUENCHING FERROUS SECTIONS**

Paul Hoffman, La Grange, William Bender, Downers Grove, and Earnshaw Cook, Flossmoor, Ill., assignors, by mesne assignments, to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware

Application January 27, 1936, Serial No. 60,990

5 Claims. (Cl. 266—6)

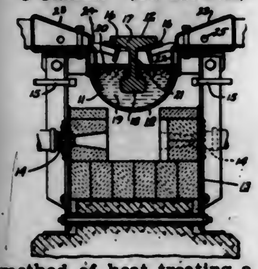


1. A quenching tank comprising an elongated framework having an elongated furnace chamber, the bottom and side walls of the furnace chamber being made up of fire-brick, an elongated bath-containing pot supported by said frame-

work above the open top of said furnace chamber, said furnace chamber having a plurality of fuel burners applied thereto and distributed along the length of the furnace for heating said pot, a plurality of air jets distributed along the length of the furnace, and means for mounting said jets adjacent said pot and above the furnace walls to cool said pot.

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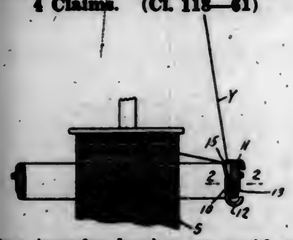
2,116,070
**HEAT TREATMENT OF FERROUS SECTIONS**
Paul Hoffman, La Grange, William Bender, Downers Grove, and Earnshaw Cook, Flossmoor, Ill., assignors, by mesne assignments, to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware
Application January 27, 1936, Serial No. 60,991
6 Claims. (Cl. 148—21)



1. The method of heat treating a rail which comprises raising the temperature of the entire rail to above its critical point, immersing the head of the rail in a bath of lead at an elevated temperature while permitting the base flange of the rail to cool in air, and covering said bath with a layer of carbonaceous material to minimize oxidation of the lead, to prevent the lead from sticking to the rail, and to reduce the cambering of the rail when it cools.

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2,116,071
**RING TRAVELER FOR SPINNING MACHINES**
Edward Samuel Kempton, Gastonia, N. C.
Application May 1, 1937, Serial No. 140,256
4 Claims. (Cl. 118—61)



1. A ring traveler having an ovoid cross section, the largest end of the ovoid being disposed at the trailing edge of the traveler.

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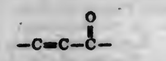
2,116,072
**COMPOSITION OF MATTER AND METHOD OF MAKING THE SAME**
Walter J. Koenig, Philadelphia, Pa., assignor to Sloane-Blabon Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 22, 1934, Serial No. 758,862
13 Claims. (Cl. 260—2)

1. The method of hardening drying oil which comprises condensing a mixture in which the condensation reactants consist of oxidized drying oil having double bonds in conjugate arrangement and an unsaturated hydrocarbon terpene at superatmospheric temperature.

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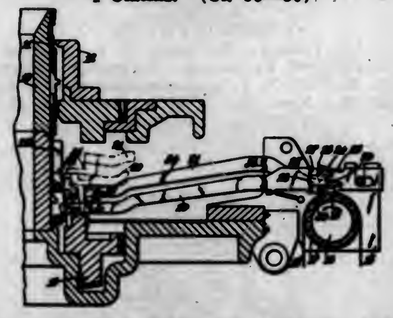
2,116,073
**COMPOSITION OF MATTER AND METHOD OF MAKING THE SAME**
Walter J. Koenig, Philadelphia, Pa., assignor to Sloane-Blabon Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 22, 1934, Serial No. 758,863
19 Claims. (Cl. 260—2)

1. The method of hardening drying oil which comprises condensing at super-atmospheric temperature a mixture in which the condensation reactants consist of oxidized drying oil having double bonds in conjugate arrangement and a cyclic organic compound having the characteristic structure



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2,116,074
**PATTERN MECHANISM FOR KNITTING MACHINES**
Leslie Herbert Leedham, Leicester, England, assignor to Jacquard Knitting Machine Co., Inc., Union Hill, N. J., a corporation of New York
Application January 24, 1935, Serial No. 3,236
In Great Britain February 8, 1934
4 Claims. (Cl. 66—50)



1. In a pattern mechanism, a pattern, a selector extending therefrom to transmit the calls thereof, one edge of said selector being in juxtaposition to the pattern, a feeler lever composed of thin strip material located flatwise to the selector, said lever being pivoted to the selector intermediate the ends of the lever and with one of said ends projecting beyond said edge of the selector to engage the pattern and the other end projecting toward the opposite edge of the selector, and a spring to urge the first mentioned end of the feeler lever toward the pattern, one end of the spring being connected to the selector and the other end of the spring being connected to the second mentioned end of the feeler lever.

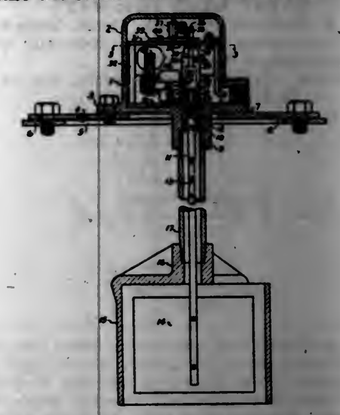
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2,116,075
**INDICATOR**
Herbert S. Lenhart, Allentown, Pa., assignor to Fuller Company, a corporation of Delaware
Application November 28, 1936, Serial No. 113,099
13 Claims. (Cl. 200—92)

1. An indicator for pulverulent material storage bins comprising the combination of a motor,



means to support the stator frame for limited movement from an initial position, electrical switch mechanism actuated by movement of the stator frame from the initial position, and means to cause the stator frame to move, when the ma-



terial reaches a predetermined level, comprising a shaft driven by the rotor and means secured to the shaft and adapted for location within a bin having a surface of sufficient size to arrest rotation of the shaft when the surface is buried in the material.

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2,116,076
**HEAD COVERING**
Ruby Lipton, New York, N. Y.
Application March 24, 1937, Serial No. 132,671
4 Claims. (Cl. 2—198)



1. A new article of headwear having a close fitting crown, means in the form of a flap, for opening the crown while on the head of the wearer, a supplemental band on the edge of the opening engaging the head of the wearer directly, a supplemental band on the edge of the opening folded away from the opening and lying against the outside of the crown, means for detachably securing the outside supplemental band to the stationary portion of the crown.

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2,116,077
**CONTAINER FOR LIQUID SERVICING PRODUCTS**
Valentine Amelie Maugay, La Garenne-Colombes, and Robert Joachim Lévy, Paris, France
Application March 17, 1937, Serial No. 131,272
In France March 20, 1936
2 Claims. (Cl. 221—33)

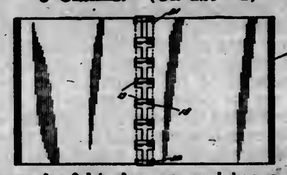
1. In a container for liquid servicing products, such as products for polishing foot-wear, furniture, floors, metals, etc., a container body having a neck and comprising a deformable wall for the expulsion of the liquid product from the container, a disk having a gauged orifice and adapted to be applied to said neck, a spout having a gauged orifice of smaller size than that of said disk, said spout being removably



secured to said neck so as to firmly clamp said disk against said neck.

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2,116,078
**LOOSE LEAF BINDER**
George G. Mevi, Mount Kisco, N. Y.
Application May 11, 1935, Serial No. 20,969
5 Claims. (Cl. 129—1)



1. A loose leaf binder, comprising a tube having a zone of selectively spaced areas opening to the interior of the tube for receiving the leaf margins, ribs which demark said open areas and permanently bridge the interior of the tube therebetween for interlockment with tabs on the leaf margins, and means placeable on the tube in a position in which it holds the leaves against disengagement of said tabs and ribs, and movable from such a position to free the leaves for a shift thereof which will unlock the tabs from the ribs for removal of the leaves.

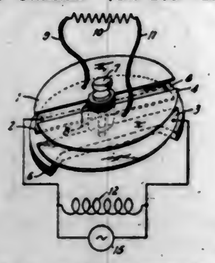
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2,116,079
**SACHET FOR TREATING AND WAVING HAIR**
Pierre Lucien Moulin, Paris, France, assignor to Eugene, Ltd., New York, N. Y., a corporation of New York
Application March 21, 1936, Serial No. 70,154
In Great Britain March 23, 1935
5 Claims. (Cl. 132—36.2)



1. A sachet pad for use with a flat clamp in treating and waving hair in the croquignole process comprising two separate, identically constructed parts fastened together face to face along a line adjacent one edge with the fastening means discontinued through a part of the width to form a slit for the reception of a tress of hair, the short projecting ends forming protecting skirts to overlie the clamp and underlie the jaws of a croquignole heater when placed about the wound tress.

2,116,080
**VARIABLE COUPLER FOR ELECTRICAL SYSTEMS**
Henry W. Parker, Toronto, Ontario, Canada, assignor to Rogers Radio Tubes Ltd., Toronto, Ontario, Canada, a corporation of Ontario, Canada
Application September 3, 1936, Serial No. 99,221
2 Claims. (Cl. 178—44)

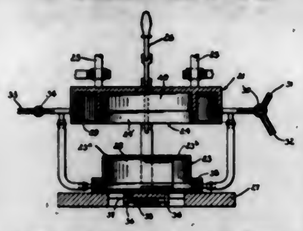


2. A variable coupler comprising, a first set of plane surface condenser plates of similar area and contour, insulating means for mounting said plates in fixed relation to each other with their plane surfaces coplanar, a second set of plane surface condenser plates having similar area and contour to each other and to said first set, insulating means for said second set of plates for maintaining said plates in fixed relation to each other with their plane surfaces coplanar and in a plane parallel to the plane of the surfaces of said first set of plates, a source of alternating current connected between said first set of plates, a load connected between said second set of plates, and means for moving as a unit one of said set of plates from one extreme position in which the contours and areas of the individual plates of one set coincide respectively with the contours and areas of the individual plates of the other set to produce a maximum unbalance between said source and said load to permit maximum current flow therebetween, to the other extreme position in which each plate of one set overlaps by equal areas the plates of the other set of plates to produce zero current flow between said source and said load whereby the transfer of energy from said source to said load may be varied from maximum value to zero without disturbing the symmetry of the connection and with minimum frequency change.

2,116,081
**PRODUCTION OF NONKNOCKING MOTOR FUELS**
Mathias Pier, Heidelberg, and Walter Kroenig, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany,
No Drawing. Application January 29, 1936, Serial No. 61,310. In Germany January 30, 1935
4 Claims. (Cl. 196—10)

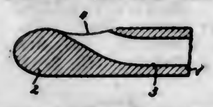
1. A process for the production of valuable motor fuels which comprises catalytically converting a gaseous mixture of carbon monoxide and hydrogen into hydrocarbons boiling at least in part within the boiling point range of benzines, separating these hydrocarbons into higher boiling benzine constituents and lower boiling constituents and subjecting at least part of the lower boiling constituents to a polymerizing treatment in the presence of a condensing agent, the activity of the condensing agent, the temperature and duration of the polymerizing treatment being so correlated that hydrocarbons boiling at a more elevated temperature but within the boiling range of benzine are formed.

2,116,082
**SWEAT BAND FOR HATS**
George S. Radford, Norwalk, Conn., assignor to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application August 30, 1935, Serial No. 38,493
10 Claims. (Cl. 2—181)



6. A sweatband for hats comprising an annular cloth band stretched to a predetermined size; and a plastic set to bind and lock the individual fibres of the stretched cloth together where they engage and thereby maintain the cloth band in said stretched predetermined size.

2,116,083
**RUBBER TUBE FOR MEDICAL USE**
Willy Rüsch, Rommelshausen, near Stuttgart, Germany
Application June 14, 1935, Serial No. 26,660
In Germany May 11, 1935
4 Claims. (Cl. 164—125)



1. The method of producing a rubber tube for medical use having an aperture formed in the wall which comprises forming in the tube wall by grinding a depression formed in accordance with part of a cylindrical surface and thereafter piercing the middle part of said depressed portion.

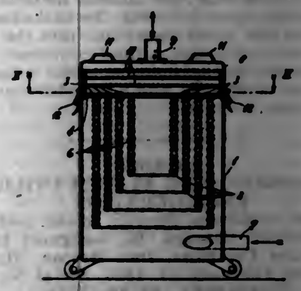
2,116,084
**SYNTHETIC RESIN COMPOSITION**
Sydney Leonard Morgan Saunders, London, England
No Drawing. Application April 17, 1935, Serial No. 16,755. In Great Britain August 13, 1934
10 Claims. (Cl. 260—2)

1. A process for preparing a synthetic resin composition which comprises reacting at a temperature above about 100° C. para-cresol dialcohol with di-para-cresylol ethane in the presence of an acid catalyst.

8. A process for preparing a synthetic resin composition which comprises reacting at a temperature above about 100° C. in the presence of an acid catalyst, a phenol di-alcohol with a dihydric di-nuclear phenol in which the two nuclei are substituents of a homologue of methane.

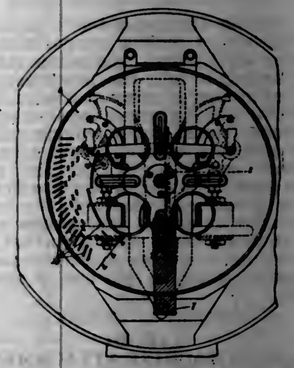
2,116,085
**VACUUM CLEANING-APPARATUS**
Wilhelmus Adrianus van Berkel, Brussels, Belgium, assignor to Maatschappij van Berkel's Patent N. V., Rotterdam, Netherlands, a company of the Netherlands
Application October 20, 1936, Serial No. 106,519
In Great Britain November 5, 1935
8 Claims. (Cl. 183—70)

8. A vacuum-cleaner dust-separator comprising a housing, an open support mounted in said housing a plurality of rings overlapping and seating on one another and on said support, air-passages formed in the respective rings, annular double-walls dependently secured to the respective rings, each double wall defining a compartment and being composed of perforate material, the respective compartments being adapted to be covered by removable double-walled bags of air-filtering material, and air inlet and outlet means on said housing.





2,116,086
**REGISTERING OR RECORDING DEVICE FOR WEIGHING APPARATUS**
Wilhelmus Adrianus van Berkel, Brussels, Belgium
Application October 28, 1936, Serial No. 106,061
In Great Britain July 17, 1936
10 Claims. (Cl. 234—5.4)



1. Detecting means for electrically transmitting the weight indication of a weighing apparatus, comprising a rotatable member connected to a load-influenced element of the weighing apparatus, angularly and radially spaced elements in said member corresponding to the weight values, a plurality of individually movable feelers each associated with a corresponding contact switch in an electric circuit, and mounted on a reciprocable carriage, a spindle, an electromagnet, a rack and pinion drive from the electromagnet plunger to said spindle, and means on said spindle for reciprocating the carriage, the feelers which register with the spaced elements and the others being moved relatively so that the associated contact switches are selectively operated and the corresponding circuits are selectively open or closed.

2,116,087
**VALVE CORE**
John Wahl, Rosedale, N. J., assignor, by mesne assignments, to Scovill Manufacturing Company, Brooklyn, N. Y., a corporation of Connecticut
Application October 31, 1934, Serial No. 750,804
5 Claims. (Cl. 152—12)



1. A tire valve or the like, comprising a helical spring of flattened, round wire, the major axis of which is substantially parallel to the line of air flow through the valve.

2,116,088
**HAIR CUTTING DEVICE**
Fred M. Waite, Saranac Lake, N. Y.
Application September 10, 1936, Serial No. 100,076
6 Claims. (Cl. 30—30)



6. A hair cutting device comprising a clamping element generally U shaped in form and shaped to engage and be secured to the back of a comb and the legs of which are engageable with the opposite sides of said comb when positioned thereon, one of said legs being provided with tongues bent in opposite directions away from said comb to form a socket for the reception of a cutting blade, the bases of said tongues being offset from said comb in opposite directions to form a ledge against which the inner edge of said blade may be seated.

2,116,089
**DEPROTEINIZATION OF RUBBER LATEX**
Leo Wallerstein, New York, N. Y.
No Drawing. Application December 31, 1935, Serial No. 57,015
10 Claims. (Cl. 18—50)

1. A process of producing substantially deproteinized, non-coagulated rubber latices which comprises providing a latex and adding an antiseptic bacterial proteolytic enzyme preparation, said preparation being devoid of living bacteria or materials causing putrefaction and being derived by the cultivation of *Bacilli mesentericus* or *subtilis*, followed by sterilization, allowing the reaction to continue without putrefaction for a sufficient length of time to solubilize a major part of, but not all of, the proteins and then removing water containing the solubilized protein materials without coagulation.

2,116,090
TIRE VALVE
Selden T. Williams, Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application September 10, 1935, Serial No. 39,881
6 Claims. (Cl. 152—12)



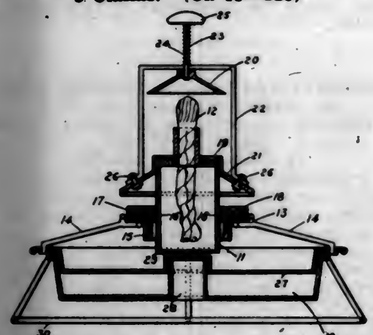
1. A tire valve stem having a check valve therein and a plurality of ducts below the check valve, and means for simultaneously metering the flow of fluid through said ducts which may pass said check valve when open.

2,116,091
POTENTIAL PRODUCING CELL
Joseph S. Williams, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application August 7, 1936, Serial No. 94,793
9 Claims. (Cl. 136—100)



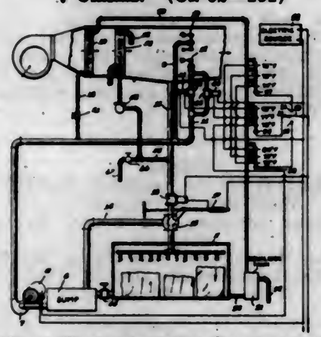
1. A potential cell comprising a hollow shell electrode, a disc electrode positioned in the mouth of said shell, a rubber washer enclosing the edge of said disc and sealing the space between said electrodes, a liquid electrolyte within said shell and in contact with both electrodes, and an inwardly projecting boss comprising part of said disc electrode to insure contact with said electrolyte.

2,116,092
INSECT TRAPPING AND EXTERMINATING DEVICE
Lewin J. Allen, Cleveland, Ohio
Application June 21, 1937, Serial No. 149,452
5 Claims. (Cl. 43—113)



1. In an insect trap of the class described having a receptacle provided with a wick therein, a reservoir immediately surrounding the receptacle adapted to contain a liquid insecticide, a surrounding confine surrounding the reservoir, a fibrous material adapted to conform to the surrounding confine, wicks in the surrounding confine and communicating with the liquid insecticide in the reservoir, the fibrous material being superimposed upon the wicks, the wicks functioning to feed the liquid insecticide into the fibrous material automatically, a fluid container, a support mounted on the fluid container adapted to support the receptacle, and a base for supporting the container in space.

2,116,093
AIR CONDITIONING SYSTEM UTILIZING REFRIGERATION
Samuel M. Andersen, Sharon, Mass., and Frank J. Hamilton, Chicago, Ill., assignors to B. F. Sturtevant Company, Inc., Boston, Mass.
Application February 24, 1936, Serial No. 65,333
7 Claims. (Cl. 62—131)



1. Air cooling apparatus for a passenger vehicle comprising a cooling compartment, means for passing air through said compartment and for discharging it into the passenger space, a plurality of groups of spray nozzles in said compartment for spraying water into the air passing therethrough, means for supplying refrigerated water to said nozzles, and means responsive to temperature conditions within the passenger space for decreasing upon a decrease in temperature to a predetermined point, the volume of water sprayed by one of said groups of nozzles and for shutting down upon a further decrease in temperature to a lower predetermined point, the supply of water to said one of said groups of nozzles.

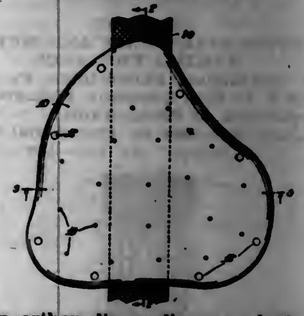
2,116,094
SEWING MACHINE ATTACHMENT
Americo Antonelli, Quincy, Mass.
Application January 10, 1936, Serial No. 58,559
11 Claims. (Cl. 112—257)



1. A sewing machine attachment holdfast comprising, a thumbscrew adapted to engage in a threaded aperture in the bed-plate of a sewing machine, a shoulder formed under the head of said thumbscrew, an annular integral collar formed upon said thumbscrew and spaced below said shoulder and of smaller diameter than same, a flanged bridge member having turned down ends rounded on their edges for the purpose of engaging the two opposite top edges of the slot in the shank of a sewing machine attachment, a depending integral cylindrical boss formed on the lower extremity at the front edge of said bridge and adapted to enter a second aperture in said bed-plate for the purpose of cooperating with said thumbscrew in the locking of said bridge, said bridge being provided with a longitudinal top slot having one end wider than the other with its narrow end in the rear portion of said bridge, said wide end of slot adapted to permit passage of shank and said collar of said thumbscrew therethrough for the purpose of assembly, said narrow end of slot to receive the portion between said shoulder and collar of said thumbscrew thereby mounting said bridge and permitting said thumbscrew to turn therein, said integral collar so disposed as to permit relative vertical movement of said thumbscrew and bridge, and a closure for the wide end of said slot and integral with said bridge whereby said thumbscrew and bridge are joined together.



2,116,095
ORTHOPEDIC APPLIANCE
Cecilia Bailie, Camden, N. J.
Application August 18, 1936, Serial No. 96,607
8 Claims. (Cl. 2—267)



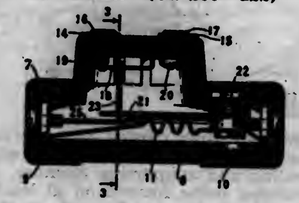
1. In an orthopedic appliance, a hollow pad consisting of inner and outer plates of hardened plastic composition previously fashioned to shape, one of said plates being slightly smaller than the other and provided with a roughened edge, hardened plastic composition fastening the edges of said plates together, cork stays between the plates within the pad, means to hold said stays in position, and means passing through both plates for additionally securing them.

2,116,096
METHOD OF BURNING GAS
Henry C. Caldwell, Buffalo, N. Y., assignor, by mesne assignments, to Hendwell Burner Corporation, Buffalo, N. Y., a corporation of New York
Application November 6, 1935, Serial No. 48,538
3 Claims. (Cl. 158—117.5)



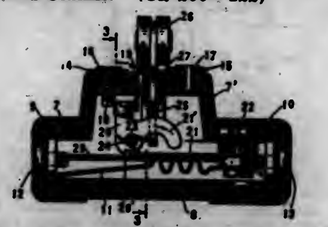
1. A process of burning gas, comprising the introduction of gas into free air, thereby producing a gas and air mixture, regulating the volume of the mixture at substantially the place of burning, thereby controlling the amount of air contained in the mixture, and then burning the mixture.

2,116,097
ELECTRIC RELAY
John E. Carlson, Forestville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application July 25, 1936, Serial No. 92,483
4 Claims. (Cl. 200—122)



1. An automatic relay including an insulating housing, a heater strip within the housing having main terminals, a bimetallic thermostatic member under the influence of the heater strip, a secondary circuit switch carried by the housing and having external terminals independent of the terminals of the heater strip, and insulating means of connection between the secondary switch and the thermostatic member, whereby said bimetallic member is independent of the secondary circuit.

2,116,098
ELECTRIC RELAY
John E. Carlson, Forestville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application July 25, 1936, Serial No. 92,484
4 Claims. (Cl. 200—122)

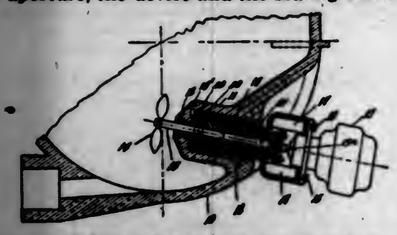


1. In a relay, an insulating housing having cylindrical ends and a lateral extension between the ends, main terminal caps on the ends, a resistance heater electrically connecting said caps within the housing, secondary circuit terminals adjacent opposite ends of the extension, a contact connected to each secondary terminal and extending into the interior of the housing adjacent an outer wall thereof, a pivotal member bridging said contacts inside the housing and means responsive to the heater for sliding said pivotal member and its pivot away from the contacts to open the circuit.

2,116,099
SEALING, SUPPORTING, AND CUSHIONING ASSEMBLY
James M. W. Chamberlain, Silver Lake, Ohio, assignor to United States Stoneware Company, Akron, Ohio, a corporation of Ohio
Application September 4, 1936, Serial No. 99,425
3 Claims. (Cl. 248—26)

1. The combination of a rigid hollow member

having an aperture from its interior to its exterior requiring to be sealed against the passage of fluid therethrough, a device mounted, and requiring to have cushioned support, in said aperture, and a resilient sealing and supporting member mounted between the device and the walls of the aperture, the device and the sealing and supporting member fully closing the aperture and the device substantially being wholly supported by the sealing and supporting member, and the sealing member being formed on at least one of its faces with flanges so formed as to act as pawls and solely thereby prevent displacement of the device by fluid pressure within the hollow member.



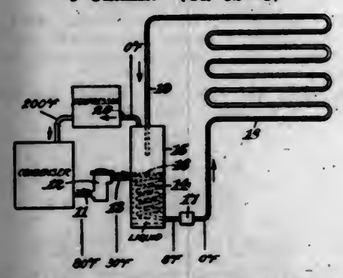
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2,116,100

**REFRIGERATING APPARATUS**

Richard John Cracknell, London, England, assignor to U. D. Engineering Company Limited, London, England, a British company

Application March 7, 1936, Serial No. 67,672
In Great Britain August 9, 1935
6 Claims. (Cl. 62—3)



1. In an evaporative refrigerator the provision between the condenser and the evaporator of a heat exchanger comprising a conduit having a heat-exchanging wall through which conduit the refrigerant passes on its way to the evaporator and a refrigerant space adjacent to said conduit, in combination with a pressure reducing expansion valve between the condenser and the conduit of the heat exchanger and a second pressure reducing valve between the conduit of the heat exchanger and the evaporator and means to return the spent refrigerant from the evaporator to the refrigerant space of the heat exchanger so as to extract heat from the refrigerant passing through the heat exchanger to the evaporator.

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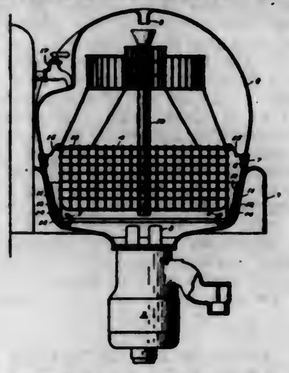
2,116,101

**DISHWASHING MACHINE**

James E. C. Currens, San Anselmo, Calif., assignor of one-third to Le Roy Hanscom, Berkeley, Calif.

Application September 11, 1934, Serial No. 743,527
5 Claims. (Cl. 141—9)

1. In combination: a sink; a motor driven impeller secured adjacent the floor of the sink and a dish rack disposed therein; a pliant hood detachably secured to and supported by said dish rack; and means for sealing said hood to the sink.



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2,116,102

**SEAT UPHOLSTERY UNIT AND METHOD OF MAKING THE SAME**

May E. Darlington, Philadelphia, Pa., assignor to The J. G. Brill Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 28, 1935, Serial No. 56,411
3 Claims. (Cl. 155—184)



1. The method of forming an upholstery unit having protected seams which consists in providing an elongated strip of fabric material having an enlarged end portion and a finished surface, providing a fabric bib formed with a projection and a marginal edge portion of the same general contour as the upper end of said strip, arranging said bib adjacent to and in longitudinal alinement with said strip with the projection overlying the latter, placing a binding tape upon and along the longitudinal edges of said strip and overlapping the bib projection, stitching said binding throughout its length to said strip and said projection, folding said bib over the upper end of said strip with the conforming edges in alinement, placing a shorter strip of material with its finished face down upon said binding and arranging same intermediate the ends of said first strip with its upper end and the adjacent end of said bib overlapping, securing said bib and second strip to said binding and first-mentioned strip along their upper and side edges thus forming an elongated tube and connected cap portion defined by a transverse opening, and reversing the tube and cap portion from its opposite ends and through said transverse opening.



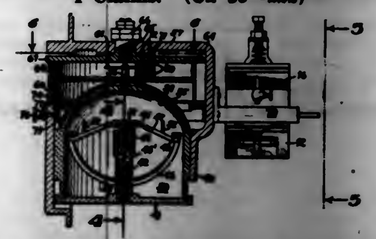
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2,116,103

**COMPASS FOR AUTOMATIC PILOTS**

George De Bersen, San Francisco, Calif., assignor to R. Stanley Dollar, San Francisco, Calif.

Application September 9, 1935, Serial No. 39,761
4 Claims. (Cl. 33—222)



1. A compass comprising a pair of curved magnets having their ends adjacent and their bends spaced, a support member joining opposite ends of said magnets, a pivot on said support member, an upright pivot support engaging the end of said pivot substantially in the plane of said ends, a casing supporting said pivot support, a substantially hemispherical cover over said magnet, said cover having a cross sectional curvature substantiallly concentric with the line of travel of said ends in a vertical plane, a magnetic bar member rotatable around a normally vertical axis coincident with the compass pivot bearing, said bar member having a curvature substantially concentric with the cross sectional curve of said cover thereby positioning the ends thereof normally adjacent said magnet ends, the cover material intervening, and indicating means operable by said bar member.

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2,116,104

**3.5-DIIODO-4-HYDROXY ACYLOPHENONE COMPOUNDS AND METHOD FOR PRODUCING THE SAME**

Max Dohrn, Berlin-Charlottenburg, and Paul Diedrich, Finkenkrug, (Osthavelland), Germany, assignors to Schering A. G., Berlin, Germany, a corporation of Germany

No Drawing. Application July 10, 1936, Serial No. 90,004. In Germany March 13, 1935
23 Claims. (Cl. 260—131)

1. A method for the production of 3.5-diiodo-4-hydroxy acylophenone compounds, comprising subjecting 4-hydroxy-acylophenone compounds to the action of an iodinating agent capable of introducing two iodine atoms into the molecule of such compounds.

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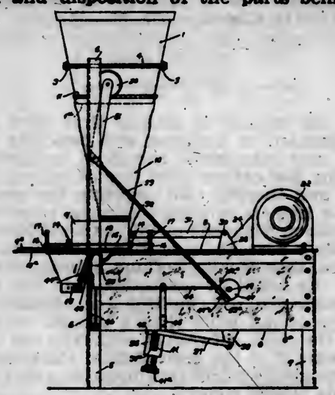
2,116,105

**APPARATUS FOR AUTOMATICALLY DELIVERING PREDETERMINED QUANTITIES OF PULVERULENT OR GRANULAR SUBSTANCE OR MATERIAL**

Stanley Eaton, Liverpool, England

Application September 9, 1937, Serial No. 163,140
In Great Britain September 10, 1936
10 Claims. (Cl. 221—105)

1. Apparatus for automatically delivering predetermined quantities of pulverulent or granular substance or material comprising, in combination, a hopper for containing material in bulk; a measuring chamber having an open top spaced below the hopper; a plunger reciprocably fitted within said measuring chamber; a carriage having a bottomless front compartment and a rear through-passage adapted to alternately register with said open top of the measuring chamber to form a substance-transferrer which is slidably mounted upon a table-like surface provided between said hopper and said measuring chamber; openings in said table-like surface to coincide with the open top of the measuring chamber and a discharge funnel; a displaceable chute connected between an outlet opening of the hopper and said rear through-passage of the substance-transferrer; operating mechanism for reciprocating the substance-transferrer over the table-like surface when the plunger is stationary and for reciprocating the plunger within the measuring chamber when the substance transferrer is stationary: the arrangement of said operating mechanism and disposition of the parts being such that when the apparatus is in operation the downward stroke of the plunger induces a charge of material from the hopper through said displaceable chute and rear passage of the substance-transferrer into the measuring chamber, the substance-transferrer being then slid rearwardly so that its front compartment is brought into register with the measuring chamber, so that upon the plunger being projected upwardly, flush with the table-like surface, the measured material is raised from the measuring chamber into the front compartment of the substance-transferrer which is then slid forwardly so that the charge of material is permitted to fall through said opening in the table top and through said discharge funnel for packing.



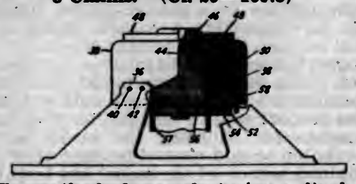
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2,116,106

**METHOD OF MAKING AN ACOUSTIC DEVICE**

Rodger J. Emmert, Birmingham, Mich., assignor to Radio Corporation of America, a corporation of Delaware

Original application November 19, 1930, Serial No. 494,646, now Patent No. 2,010,537, dated August 6, 1935. Divided and this application February 7, 1935, Serial No. 5,382
5 Claims. (Cl. 29—169.5)



1. The method of manufacturing a diaphragm support for an acoustic device including the steps

of forming a disc, forming an annular channel in said disc, stamping said formed disc so as to form a plurality of inwardly extending radial arms, bending said arms so as to cause them to lie in a frusto-conical surface and welding the free ends of said arms to the magnetic frame of said acoustic device.

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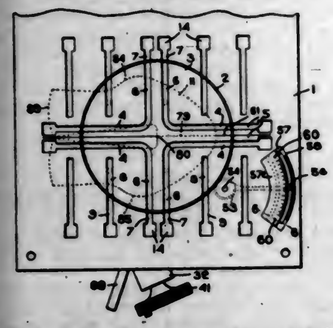
2,116,107
**CONTAINER, CONTAINER STOCK, AND METHOD OF MAKING THE SAME**
John W. Erb, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application June 8, 1937, Serial No. 147,064
15 Claims. (Cl. 29—18)



1. In the method of making thin sheet metal stock resistant to buckling and panelling when formed into containers, the steps consisting in subjecting low carbon steel to cold rolling under tension and thereby cold reducing the metal to less than half its original thickness, terminating the reduction when the metal has a thickness not exceeding 5 percent more than the desired final thickness, then locally working at least one surface of the metal by subjecting it to the action of a roughened roll, limiting the elongation in such step to not more than 1 percent and then passing the metal between smooth rolls and therein reducing it to the desired final thickness and eliminating the surface roughness imparted in the preceding rolling step.

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2,116,108
**MODEL POSITIONING MEANS FOR GRADING MACHINES**
Leroy L. Faunce, Dorchester, Mass.
Application March 12, 1937, Serial No. 130,546
12 Claims. (Cl. 33—23)



1. Model positioning means for a machine of the pantograph type for proportionately duplicating the outline of a master model comprising means for supporting a master model in such normal position that by causing the tracer of the pantograph mechanism to follow a predetermined section of the outline of the model the scriber of the pantograph mechanism will outline a pattern section proportional to said section of the model, and means for adjusting the model angularly with relation to said normal position after a predetermined section of the model has been traced to cause the tracer when following an adjacent section of the outline of said model to move the scriber in a path which will vary the area of the pattern from that which would be produced if the model were traced in its normal position, and which path will merge with the outline produced when the model is in its normal position without interrupting the continuity of the outline of said adjacent sections.

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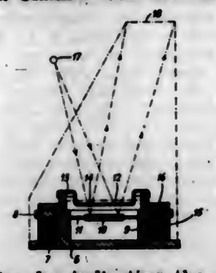
2,116,109
**TAPPET**
Edwin J. Fisk, Cleveland, Ohio
Application July 18, 1935, Serial No. 32,049
8 Claims. (Cl. 123—90)



1. A clearance take-up device comprising two members and respective means slidably guiding them for movement parallel to each other, means to cause one of the members to slide less freely in its guiding means than does the other in its guiding means, and means operatively connected with both said members and reacting to change the effective length of the device consequent upon lagging of the less freely slidable member relative to the other member.

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2,116,110
**ELECTRICAL INDICATOR OR MEASURING INSTRUMENT**
Hubert Edward Gauss, Middlesex, England, assignor to Electric & Musical Industries, Ltd., Middlesex, England
Application December 10, 1936, Serial No. 115,100
In Great Britain December 16, 1935
2 Claims. (Cl. 177—311)



1. A device for indicating the precise tuning position of a radio receiving set determined by the flow of plate current in one of the vacuum tubes of the set, comprising a cylindrical casing closed at the bottom and open at the top, an armature having an upper polished surface pivotally mounted within said casing adjacent the open end thereof, a mass of liquid in said casing the upper level of which is above said armature, a translucent cap closing the top of said casing and having a central sunken portion which is disposed above the polished armature surface and which is caused to displace the liquid into the annular space formed by the sunken portion of the cap and the casing, a stationary current-conducting coil mounted externally of the casing, an armature polarizing magnet also disposed externally of the casing and in concentric relation with the stationary coil, a source of light disposed on that side of the armature provided with its polished surface, and a screen disposed in the path of the light reflected from said armature.



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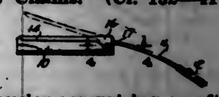
2,116,111
**HAIR CURLER**
Jacob Goodman, Brooklyn, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware
Application July 5, 1935, Serial No. 29,840
5 Claims. (Cl. 132—31)



1. A hair curler comprising, in combination, a flexible tubular sleeve of soft material about which the hair may be wound, an elastic cord extending outwardly from one end of the sleeve and having its free end adapted to be inserted into the opposite end of the sleeve, and a separable rolling arm adapted to be inserted into and to support the sleeve throughout substantially its entire length for rotating the latter to wind the hair and to be separated from the sleeve after the hair has been wound thereon.

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2,116,112
**HAIR CURLER**
Jacob Goodman, Brooklyn, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware
Application August 3, 1935, Serial No. 34,522
3 Claims. (Cl. 132—41)



1. A hair curler comprising a soft rubber tube having a laterally compressible wall and a hollow bore, a clamp extending lengthwise of the tube, and an elastic cord fastened at one end of the tube and having a tip at its free end which is insertable in the opposite end of the tube when the cord is stretched lengthwise over the tube.

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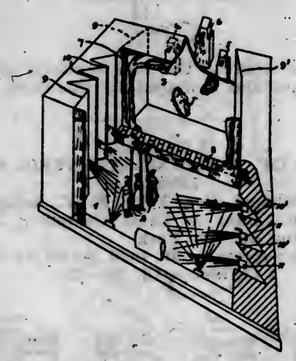
2,116,113
**VERNIER TUNING CONTROL**
Hugues Goudet, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application December 3, 1935, Serial No. 52,685
In France January 4, 1935
2 Claims. (Cl. 74—10)



1. Means for adjusting a control shaft comprising in combination, a handle secured to said shaft, a worm wheel journaled on said shaft, a crescent shaped member having one end pivoted to said handle, a spring connected to said handle and the free end of said member, a worm mounted in said pivoted member and in engagement with said worm wheel, a drive shaft connected to said worm and journaled for rotation in said pivoted member and extending in a direction normal to said control shaft and a knob secured to said drive shaft.

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2,116,114
**HARMONIOUS MELTING OF COMBINED THEATER AND CINEMATOGRAPH EXHIBITIONS**
Giuseppe Guidorossi, Milan, Italy
Application November 29, 1935, Serial No. 52,233
1 Claim. (Cl. 88—24)



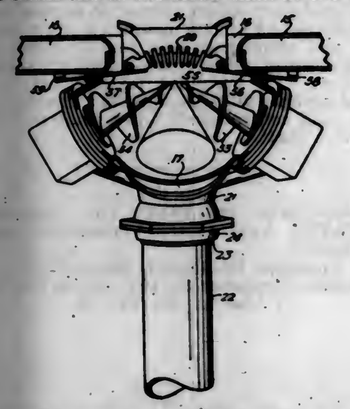
The combination of projectors, a rear projection screen, a stage having movable scenes at the sides and top thereof, lobulated side walls on the sides of said stage, the said projection screen forming rear wall of said stage, a flat sided rotatable drum carrying a plurality of auxiliary scenes positioned on the stage floor between the said side movable scenes and the said projection screen, means for rotating said flat sided drum, a plurality of lamps mounted in the lobulated side walls to illuminate the stage to desired intensity relative to the intensity of illumination of the said screen, a stage for actors before the screen and in the general location of said movable scenes whereby an observer positioned in front of the stage will view the actors, the movable scenes and the projected scenes as a unitary and related stage combination.

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2,116,115
**STOKER**
William Thompson Hanna, Cincinnati, Ohio
Application December 13, 1930, Serial No. 502,039
2 Claims. (Cl. 110—101)

2. For use in a locomotive stoker having a conduit extending to and embracing a firing opening of a fire box, the lower forward edge of said conduit forming a ledge over which fuel flows; a tapered fuel handling screw recessed in said conduit generally below and to the rear of said ledge and pointing from the side of said conduit toward the center thereof, said screw having a single flight and the angle of incli-

nation of the taper of said screw being greater at the small end of the screw than at the larger



end thereof whereby the fuel handling capacity at the larger end is materially increased.

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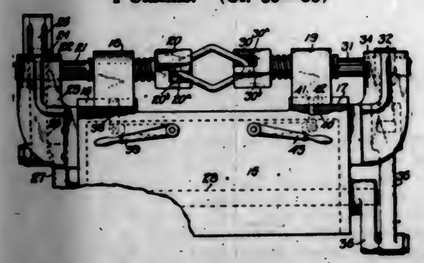
2,116,116

**METHOD OF FORMING TWISTED CHAIN LINKS**

John H. Hilliard, New York, N. Y., assignor to American Chain & Cable Company, Inc., a corporation of New York

Application September 30, 1936, Serial No. 103,259

4 Claims. (Cl. 59—35)



1. The method of making a twisted chain link having one end twisted more than 90 degrees with respect to the other while the sides of the link have a median spacing considerably greater than half the length of the link, which method consists in forming an elongated flat closed loop, predetermining the lateral contraction that will take place in the loop when twisted to the desired degree without the interposition of a spacer between the sides of the loop, providing a median spacing of the sides of the loop equal to the desired spacing in the finished product plus an amount sufficient to compensate for such lateral contraction, and thereafter producing a relative twist of the ends of the loop to said desired degree.

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2,116,117

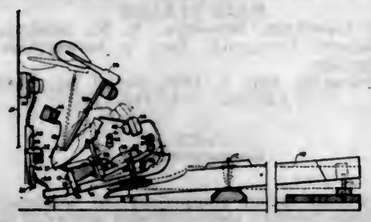
**PIANO**

Walter Homm, Bronx, N. Y.

Application November 11, 1936, Serial No. 110,247

1 Claim. (Cl. 84—240)

A device of the class described, comprising a key, a front key pin and a balance key pin cooperating with said key, and a capstan screw secured to the latter, a whip hingedly attached to a rail, and having a repetition lever mounted thereon, a jack pivotally arranged upon said repetition lever, and a check-spring engaging the heel of said jack, two set-buttons adapted to contact the repetition lever and the heel of said jack, a spring actuating the repetition lever, a butt



hinged to a member, the latter being secured to a rail, and a hammer shank and hammer forming an integral part of said butt, a spring actuating the latter, a backcheck secured to the whip, and a cooperating member connected to said butt, substantially as and for the purpose set forth.

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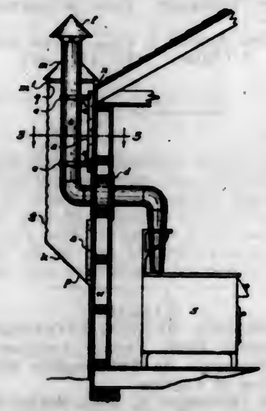
2,116,118

**CHIMNEY STRUCTURE**

Homer E. Leash, Portland, Oreg.

Application March 23, 1937, Serial No. 132,566

2 Claims. (Cl. 126—307)



1. In combination with a stovepipe extending thru a building wall and thence vertically upward on the outside of and spaced from said wall, an inclosure for said pipe, said inclosure comprising a plate attached to said wall between said wall and said pipe, the width of said plate being greater than the diameter of said pipe, a shell-like metal housing removably attached to said wall at the edges of said plate, said housing spaced from said pipe, said housing and said plate together constituting a vertically extending inclosure about said pipe, the upper end of said housing terminating below the top of said pipe, a hood covering the upper end of said housing, the upper end of said pipe extending thru said hood in close fitting relation, the rim of said hood overlying the upper end of said housing, said hood spaced from the upper end of said housing to permit the passage of air between said hood and said housing, the bottom end of said housing extending below said pipe and the bottom of said inclosure being open to permit air to enter said inclosure.



2,116,119

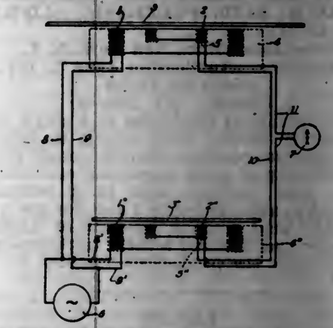
**SYSTEM FOR ELECTRICALLY MEASURING THE THICKNESS OF METALLIC WALLS, SHEETS, AND THE LIKE**

Alfred Loewenstein, Jerusalem, Palestine

Application October 4, 1935, Serial No. 43,525

In Great Britain November 21, 1934

13 Claims. (Cl. 175—183)



1. A system for electrically measuring the thickness of metal sheets, ascertaining faults in metallic walls, and the like purposes, comprising a first or induction coil adapted to be connected to a source of current of periodically varying voltage and adapted to be arranged in the vicinity of one surface of the article to be examined or measured so as to produce an electromagnetic field comprising an outer annular area of flux not completely threading the thickness of said article and an inner area of flux completely threading said article, a second or measuring coil adapted to be positioned on the same side of said article as said induction coil and substantially entirely within said inner area of flux, and a current indicator operatively connected to said measuring coil.

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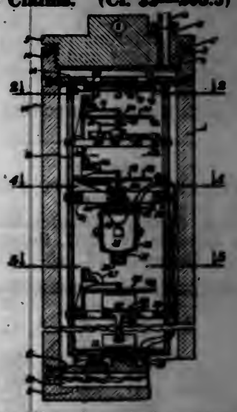
2,116,120

**BORE HOLE SURVEYING APPARATUS AND METHOD**

George Malmgren, San Francisco, Calif.

Application December 21, 1934, Serial No. 758,621

5 Claims. (Cl. 33—205.5)



1. In combination, bore hole survey apparatus comprising a cylindrical outer casing capable of being lowered into a bore hole, a concentric inner casing rotatable around an axis parallel to the axis of said bore hole, a compass mounted in said inner casing, a chart positioned by said compass, a recording stylus rotating with said inner casing and cooperating with said chart to record relative movement thereof, a pendulum mounted on said inner casing having its suspension crossing the axis of said cylinders and swingable in a single plane parallel to and including said axis, said pendulum being of sufficient weight to rotate said inner casing due to the shift of center of gravity thereof when said axis is inclined, said shift being the sole factor causing rotation of said inner casing, thereby recording direction of inclination.

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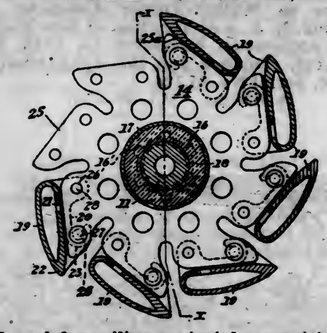
2,116,121

**APPARATUS FOR COILING MATERIAL**

Alonzo B. Montgomery, Youngstown, Ohio, assignor to The Cold Metal Process Company, Youngstown, Ohio, a corporation of Ohio

Application December 21, 1935, Serial No. 55,662

6 Claims. (Cl. 242—78)



3. A reel for coiling material comprising a pair of spaced, coaxial discs with blades extending therebetween cooperating hooks and projections on said blades and discs, and removable means for preventing disengagement of the hooks and projections.

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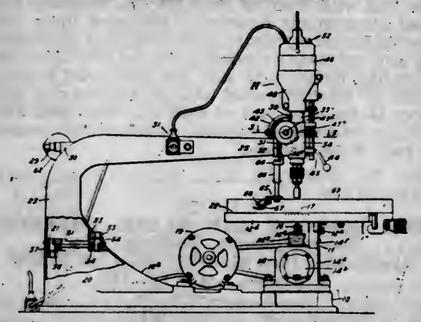
2,116,122

**MACHINE TOOL**

William Ferdinand Ocenasek, Plainfield, N. J., assignor to Walker-Turner Company, Inc., Plainfield, N. J., a corporation of New York

Application November 16, 1935, Serial No. 50,119

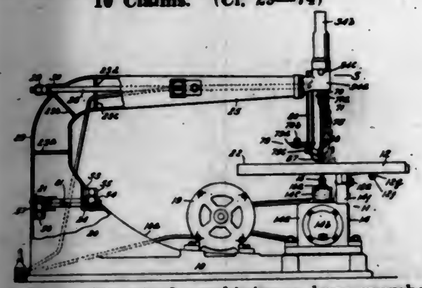
15 Claims. (Cl. 90—14)



1. A routing machine combining a base member; an elevated work surface at one end thereof; a pedestal at the other end of said base, having an upper supporting surface parallel to said work surface but in a plane below said work surface; an L-shaped arm member pivotally mounted for lateral movement upon the supporting surface of

said pedestal and having a portion thereof extending forward in overlying relation with said work surface; annular bearing surfaces at the end of said portion; a tool head removably mounted to the bearing surfaces of said arm member; a tool operating element translatably mounted in said head and normally movable in a direction transverse to the axis of said annular bearing surfaces; means for clamping said tool head to said arm portion in a position in which the axis of said translatable element is in the plane of said L-shaped arm; and means for clamping said arm to said pedestal in a predetermined angular position thereby to maintain said translatable element in a predetermined position relative to said elevated work surface.

2,116,123
JIGSAW
William Ferdinand Ocenasek, Plainfield, N. J., assignor to Walker-Turner Company, Inc., Plainfield, N. J., a corporation of New York
Original application November 16, 1935, Serial No. 50,119. Divided and this application July 17, 1936, Serial No. 91,124
10 Claims. (Cl. 29—74)



1. A machine tool combining a base member, a work supporting surface; tool operating mechanism mounted upon said base member below said working surface and adapted to operate a tool through an opening in said work surface; an arm member rising from and pivoted to said base member at a point removed from said tool operating mechanism and adapted for movement relative to the mechanism below the table, said arm member having a forwardly projecting portion overlying said work surface and provided at its free end with bearing surfaces; an auxiliary tool head attachment removably mounted upon said bearing surfaces; means carried by said arm member and operable at points removed from said tool operating mechanism and the tool head attachment for clamping said head to the bearing surfaces at the free end of said arm and said arm in a predetermined angular position with respect to said work surface.

2,116,124
ARCH SUPPORT AND BLANK THEREFOR
Sverre Quisling, Madison, Wis.
Application June 21, 1935, Serial No. 27,630
5 Claims. (Cl. 36—71)

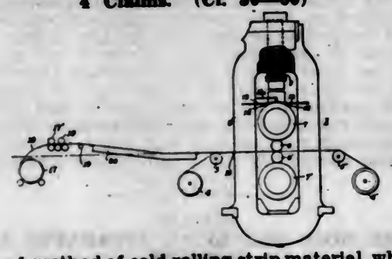


1. In arch supporting means and a blank therefor, a single piece of flat material cut in the shape of the inner sole of a shoe with appended wings having free ends located at the positions of the arches which wings may be folded down with the free ends turned under the sole to serve as supports.

2,116,125
METHOD OF PRODUCING OIL-SOLUBLE PHTHALIC ACID, POLYBASIC ALIPHATIC ACID RESIN
Israel Rosenblum, New York, N. Y.
No Drawing. Application June 7, 1935, Serial No. 25,378
7 Claims. (Cl. 260—8)

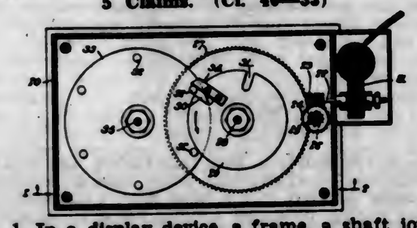
1. The method of producing in a single step a homogeneous, fusible resin soluble in fatty oils which comprises reacting simultaneously glycerol and a plurality of acids consisting essentially of phthalic acid, succinic acid in a substantial amount up to approximately 1 mol. for every mol. of phthalic acid, and an amount of acids obtainable on hydrolysis of a fatty triglyceride sufficient to make the product oil-soluble.

2,116,126
METHOD OF COLD REDUCING FERROUS MATERIAL
James M. Smith, Aliquippa, Pa., assignor to Jones & Laughlin Steel Corporation, a corporation of Pennsylvania
Application June 12, 1934, Serial No. 730,201
4 Claims. (Cl. 80—60)



4. A method of cold rolling strip material, which includes subjecting a work piece to successive reductions in a single four-high stand of rolls, in increasing the rolling pressure in at least the later passes, in maintaining a temperature differential between different portions of at least one of the backing rolls and in increasing such temperature differential to substantially compensate for the increased deflection in the rolls occasioned by such increase in rolling pressure.

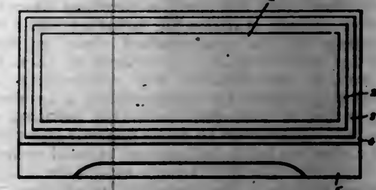
2,116,127
INTERMITTENT MOVEMENT FOR DISPLAY DEVICES
Alois F. Steiert, Philadelphia, Pa.
Application October 20, 1937, Serial No. 169,941
5 Claims. (Cl. 40—33)



1. In a display device, a frame, a shaft journalled in said frame, a turntable secured to said shaft for movement therewith, a driven member fixed to said shaft, a plurality of equally spaced posts on said driven member, another shaft journalled in the frame, a driving member fixed to the last named shaft and cooperating with pairs of said posts to hold the driven member stationary during a certain portion of each revolution of the driving member and said driving member having circumferentially spaced radial slots for successive registration with adjacent posts at a predetermined period in each revolution of the driving member for rotating the driven member, means carried by the driving member contiguous the rear edge of the forward slot to engage a post in the path of travel of said means to cause the posts to enter the slots, and means to revolve the last named shaft.

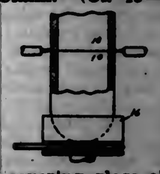


2,116,128
FULL VISION OUTDOOR ADVERTISING STRUCTURE
William Stevens, West Roxbury, Mass., assignor to Fullvision Outdoor Advertising Corporation, a corporation of Massachusetts
Application November 2, 1936, Serial No. 108,763
1 Claim. (Cl. 40—125)



An outdoor structure of the kind described adapted to receive successive posters, billboards, paintings, or the like, comprising a projecting display surface constructed and arranged to be nearer the eye of the observer than any other portion of the structure, in combination with a plurality of successive set-back bordering panels completely surrounding the display surface, said set-back panels being positioned and proportioned to prevent shadows on said projecting display surface, the topmost series of set-back panels constituting channels for conducting rain and shielding the same from the projecting display surface, and the bottommost panels being stepped-back sufficiently to prevent catching of any waste, paste, paint, or the like, and prevent stains, whereby the projected display surface is maintained clear, clean, and with full vision to the observer from side angles with natural or artificial lighting.

2,116,129
METHOD OF SEVERING AND REUNITING GLASS OBJECTS
Louis C. Stringer, Portland, Oreg., assignor to Light Service Corporation, Portland, Oreg.
Application December 3, 1935, Serial No. 52,681
1 Claim. (Cl. 49—77)



A method of severing glass objects consisting of progressively scoring a mark along the line of severance, then applying heat along the score line with a rising temperature, the application of said heat being limited to substantially the width of the scoring and simultaneously along the length of the score mark.

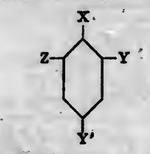
2,116,130
FRICTION DEVICE
William L. Van Meter, Philadelphia, Pa.
Application October 29, 1937, Serial No. 171,620
1 Claim. (Cl. 66—126)



In a knitting machine having a friction rod and a friction box encircling the rod, friction shoes in said box, leather pads fixed to the shoes by an adhesive, and obstructions on the faces of the shoes to which the pads are fixed and coacting with the pads to prevent the latter from slipping relative to the shoes.

2,116,131
DIAZO SALT PREPARATIONS
Max Wyler, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 18, 1935, Serial No. 50,477. In Great Britain November 22, 1934
8 Claims. (Cl. 260—69)

8. The sulphonic acid salt substantially identical with that which may be formed by combining in a reaction medium comprising about 60 parts of hydrochloric acid (36° Tw.) and 300 parts of water a diazotized primary aromatic amine which is free from sulphonic and carboxylic acid groups, with one of the group consisting of a sulphonic acid and a water-soluble metal sulphonic acid represented by the formula

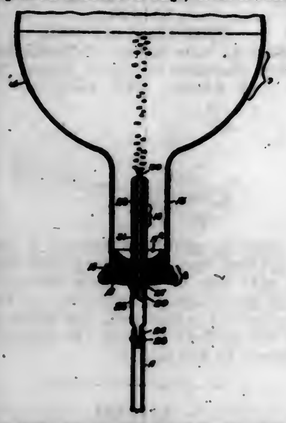



in which Y and Y' are different members of the group consisting of sulphonic and chlorine, X is one of a group consisting of hydroxy and methoxy, and Z is one of a group consisting of hydrogen and methyl.

2,116,132
APPARATUS FOR AND METHOD OF PREPARING, STORING, AND DISPENSING FLUIDS
Carl W. Walter, Newton, Mass.
Application March 4, 1936, Serial No. 67,087
16 Claims. (Cl. 128—214)

1. An improvement in preparing, storing and utilizing parenteral and other fluids, which comprises, in combination; a heat-resistant flask adapted to sustain an internal partial vacuum; a one-piece resilient non-toxic and heat-resistant bushing for the mouth of the flask, said bushing having a single cylindrical through aperture of substantially uniform diameter; a non-corrosive metal stopper cooperable with the bushing

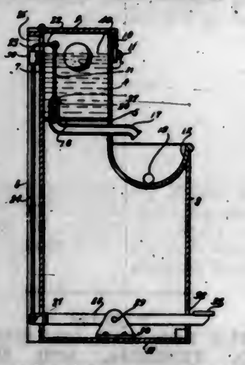
to afford an hermetic seal for the flask, said stopper comprising a flanged cap adapted to seat on and enclose the upper portion of the bushing and the flask mouth and a cylindrical stem having a sealing fit in the bushing aperture and provided with a restricted passage for gas in a portion of the stem spaced from the cap; and a readily ster-



ilizable transparent, one-piece venting member of substantially cylindrical external form adapting it for non-contaminating reception in said aperture of the bushing, said venting member having a capillary-valved longitudinally extending air inlet passage and a separated fluid outlet passage terminating in a portion adapted for the connection thereto of a flexible conduit.

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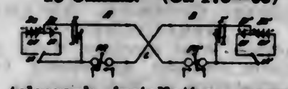
**2,116,133**
**SANITARY LAVATORY**
**Charles M. Allen, Maricopa County, Ariz.**
**Application July 24, 1937, Serial No. 155,459**
**2 Claims. (Cl. 4—166)**



1. A sanitary lavatory comprising a supporting case forming a rectangular cabinet, a wash trough extending longitudinally across the front thereof, a water supply tank extending longitudinally above and rearwardly of said wash trough, means for maintaining water at a constant predetermined level within said supply tank, a spout extending above said wash trough and adapted to discharge water there-above directed towards said wash trough at its outer end and being bent to form a vertical discharge at its inner end communicating with the bottom portion of said supply tank and having a valve seat at the upper extremity of said vertical portion adapted to receive a vertically operating shut off valve, a vertically operating shut off valve co-operative with said seat and said discharge, a vertical pull rod link connecting said valve to a vertically extending push rod, and a treadle situated in the lower portion of said case having a pedal portion extending outwardly there-from and vertically aligned with said spout and being operatively connected with the push rod adapted to actuate through the means of said pull link, said valve to open same by means of a vertical movement thereof.

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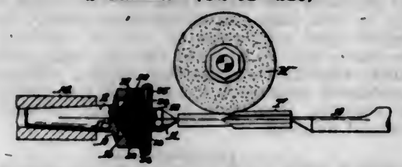
**2,116,134**
**TELEGRAPH SYSTEM**
**Max Amann, Frankfort-on-the-Main, Germany**
**Application October 31, 1934, Serial No. 750,881**
**In Germany October 31, 1933**
**15 Claims. (Cl. 178—68)**



1. A telegraph installation, comprising two stations, a line connecting the two stations, a transmitting device at one of said stations for transmitting code impulses, a printing device at the other of said stations for printing signs corresponding to the transmitted code impulses, means for switching-in said devices at each station, and a switching-in key controlling said transmitting device for transmitting a predetermined series of code impulses, said printing device being constructed so as to prevent the printing of a sign on being influenced by said series of code impulses transmitted on actuation of said switching-in key of the transmitting station, and said switching-in means at the receiving station being constructed so as to be actuated by said series of code impulses.

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**2,116,135**
**YIELDING WORK CENTER**
**Stanley W. Bath, Shrewsbury, Mass., assignor to John Bath & Company, Worcester, Mass., a corporation of Massachusetts**
**Application June 1, 1936, Serial No. 82,897**
**2 Claims. (Cl. 51—216)**



1. Work supporting means having a vertically fixed center for one end of a piece of work and a yielding work center for the other end of said piece of work, said yielding work center comprising a firmly supported holder having an end recess, a center element loosely mounted in said recess and having an outer end portion thereof abutting and supporting the adjacent end of said work piece, and yielding means to hold said center element in substantial axial alignment with said holder and with said work-piece, the abutting portions of said center element and of said work piece being yieldable under pressure out of such axial alignment while said holder, fixed center and the other end of the work piece remain in original alignment, and said abutting portions being automatically returned to original alignment when the pressure is removed.
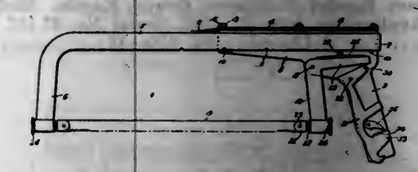


**2,116,136**
**PENCIL**
**Alfred O. Beisang, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota**
**Application August 12, 1936, Serial No. 95,816**
**9 Claims. (Cl. 120—18)**



5. A pencil comprising an outer shell, a tubular member rotatably mounted in said shell, a helical slot formed in said tubular member, a unitary spring lead carrier having portions extending longitudinally within said tubular member, and spring arms formed on said lead carrier extending through said slot into resilient engagement with the inner wall of said shell at oppositely disposed points.

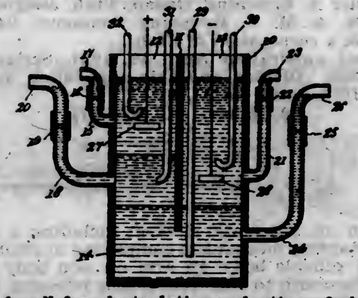
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**2,116,137**
**HACKSAW**
**Ernest A. Biester, Chicago, Ill.; Amanda Biester administratrix of said Ernest A. Biester, deceased**
**Application September 9, 1936, Serial No. 100,007**
**3 Claims. (Cl. 145—34)**



1. A hack saw frame comprising a handle including a hand grip portion and a frame supporting portion, a frame including a front frame member having a substantially right angle extension in overlapping relation with respect to and slidably carried by the frame supporting portion of the handle, a rear frame member pivotally carried by the frame supporting portion of the handle, means for securing the front frame member in slidably adjusted position with respect to the handle and means carried by the hand grip portion and arranged to be gripped therewith for releasably securing the rear frame member against swinging movement in a direction toward said front frame member.

**2,116,138**
**APPARATUS FOR THE ELECTROLYTIC PRODUCTION OF CHROMIC ACID AND CAUSTIC ALKALI**
**John W. Bess, Livingston, Mont., assignor to Chromium Products Corporation, Livingston, Mont., a corporation of Montana**
**Original application June 15, 1936, Serial No. 85,405. Divided and this application October 12, 1936, Serial No. 105,321**
**3 Claims. (Cl. 204—5)**



1. A cell for electrolytic production of chromic acid and caustic alkali consisting in a cell body, a vertical partition extending partly down into the body dividing said body into an anode and a cathode chamber communicating at their lower ends with a common chamber, the cathode chamber adapted to receive a caustic alkali product solution, said anode chamber adapted to receive a chromic acid product solution in the upper part floating on an impure chromic acid solution in the lower part of said anode chamber, said cathode chamber solution and said impure chromic acid solution both floating on an alkali chromate feed solution in said common chamber, an anode in the upper part of the anode chamber in the region of the product solution, a cathode in the cathode chamber, supply pipes in the region of each of the solutions, and removal pipes in the region of each of the solutions.

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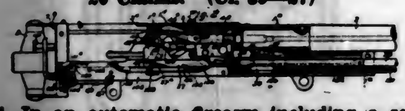
**2,116,139**
**FIRING MECHANISM FOR AUTOMATIC FIREARMS**
**Marriner A. Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah**
**Original application April 10, 1934, Serial No. 719,862. Divided and this application March 19, 1935, Serial No. 11,791**
**15 Claims. (Cl. 89—27)**



1. An automatic firearm comprising in combination, a barrel, a breech casing carrying the barrel, a longitudinally movable breech bolt in the casing, an operating slide automatically and rectilinearly movable rearward upon firing and biased for automatic return movement to its forward position, pivoted link mechanism connecting the breech bolt with the slide and enabling the latter to move the former, automatic means associated with the bolt and serving during rearward and forward movements thereof to feed cartridges successively to the chamber of the barrel, a firing pin carried by the bolt and movable longitudinally relatively thereto, a hammer pivoted to the cas-

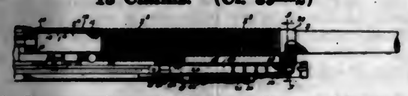
ing and serving when released to actuate the firing pin, a sear for holding and releasing the hammer, means for cocking the hammer during rearward movement of the slide, and an upward projection on the slide for moving the sear to release the hammer when the slide reaches its forward position.

2,116,140
FIRING MECHANISM FOR AUTOMATIC FIREARMS
Marriner A. Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah
Original application April 10, 1934, Serial No. 719,862. Divided and this application March 19, 1935, Serial No. 11,792
20 Claims. (Cl. 89—37)



1. In an automatic firearm including a sear, fire retarding mechanism comprising in combination a slidable body, an arm on said body slidable therewith to and from a sear releasing position, a second arm on the body, means for biasing the body to sear releasing position, and an escapement means cooperating with the second arm for retarding the speed of movement of the body to sear releasing position.

2,116,141
GAS OPERATED AUTOMATIC FIREARM
Marriner A. Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah
Original application February 19, 1934, Serial No. 711,846. Divided and this application March 19, 1935, Serial No. 11,793
13 Claims. (Cl. 89—2)



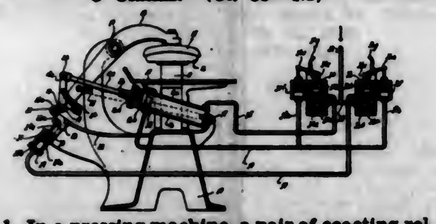
1. In an automatic firearm, the combination of a breech casing, breech mechanism in said casing, a barrel, a piston tube connected with the barrel, a gas operated piston and piston rod in the tube, an operating slide connected with the piston rod and movable from and to normal position upon firing of the gun to actuate the breech mechanism, a resilient buffer surrounding the piston rod, and means on the slide engageable with said buffer for cushioning the return movement of the slide to normal position.

2,116,142
REVERSING MECHANISM
Ralph R. Chappell, Richmond, Va., and Rutger B. Colt, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 25, 1936, Serial No. 76,448
13 Claims. (Cl. 74—56)



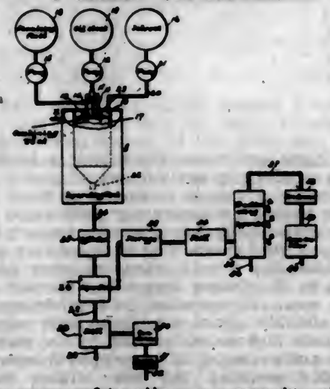
1. In apparatus of the class described, a rotatably mounted cylindrical member having an endless thread thereon constituted by two reversely directed helical grooves, an element movable in a line parallel to the axis of rotation of said member and having a portion projecting into said thread, and guide means on said projecting portion provided with a rectilinear portion adapted to engage the walls of said grooves whereby the reversal of movement of said element at the point of juncture of the grooves is obtained without disturbing the ratio of movement between said cylindrical member and said element.

2,116,143
PRESS OPERATING MECHANISM
James M. Dewey, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application July 12, 1935, Serial No. 31,688
8 Claims. (Cl. 38—4.1)



1. In a pressing machine, a pair of coacting relatively movable pressing members, means for relatively moving said members to close and open the press including power means and low- and high-power motion transmitting mechanisms actuated thereby, said low- and high-power mechanisms being arranged for operation during the early and later parts respectively of said relative closing movement, there being a part of said high-power mechanism normally rendering the same ineffective to produce press-closing movement, enabling means adapted when actuated to render said part effective, said enabling means being so constructed and arranged that it is inoperative to render said part effective after said high-power mechanism has been actuated, and two manually operable control members spaced to require a hand of the operator on each, one for actuating said enabling means, and the other for actuating said power means in press-closing direction.

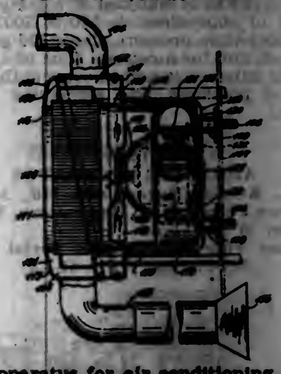
2,116,144
PROCESS OF TREATING LUBRICATING OIL
Henry Randel Dickinson, Grand Rapids, Mich.
Application July 25, 1935, Serial No. 33,147
9 Claims. (Cl. 196—18)



4. A process of treating wax-carrying oil stock comprising cooling a flowing stream of oil stock by intermingling the same with a flowing cooling medium moving under an atomizing pressure, conducting the intermingled cooling medium and oil stock to an atomizing zone and simultaneously atomizing both within said zone, causing an oil solvent to entrain atomized oil constituents as they leave the atomizing zone, and separating the oil-laden solvent from the wax particles of said stock.

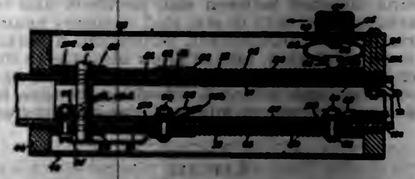


2,116,145
AUTOMOBILE AIR HEATING AND CONDITIONING DEVICE
Howard J. Findley, Euclid, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 22, 1938, Serial No. 186,425
8 Claims. (Cl. 257—137)



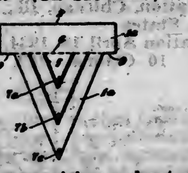
5. In apparatus for air conditioning a vehicle compartment, a heat-exchange core, a shell disposed around the core to define a plenum chamber enclosing portions of the core, a baffle in the plenum chamber dividing the same into sections, and means for taking fresh air from outside the vehicle compartment and delivering the same into one of the plenum chamber sections for passage through the enclosed portions of the core and the other plenum chamber section into the vehicle compartment.

2,116,146
MARINE ELECTRIC MOTOR
John T. Gondek, St. Paul, Minn.
Application August 27, 1934, Serial No. 741,561
2 Claims. (Cl. 172—239)



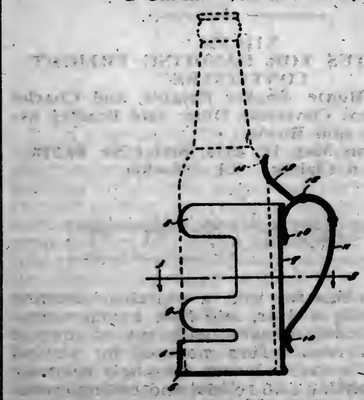
1. An electric motor comprising a battery embodying a plurality of cellular structures, an armature, field means embodying heavy windings and light windings, a relatively low speed resistance coil, a relatively high speed resistance coil, a contactor adapted to be moved into contact with said resistance coils, and electricity conducting means connected to said battery structures, armature, field means, resistance coils and contactor, said conducting means embodying parts connecting one of said battery structures through said low speed resistance coil to said armature when said contactor is in contact with said low speed resistance coil to thereby establish a circuit, and parts connecting another of said battery structures with said heavy and with said light field windings to thereby establish a circuit, and parts connecting said battery structures through said heavy field windings through said high speed resistance coil and through said armature when said contactor is in contact with said high speed resistance coil to thereby establish a circuit.

2,116,147
BOOK MARKER
Max Haessler, Buenos Aires, Argentina
Application December 2, 1935, Serial No. 52,612
In Argentina March 11, 1935
3 Claims. (Cl. 116—119)



1. A book marker comprising a sheet of flexible material having a rectangular portion adapted to project beyond the pages of a book to be marked and a triangular body portion the base of which is parallel to the sides of said rectangular portion, said body portion having a slit spaced inwardly from each side of said triangular portion, each slit extending parallel to its adjacent side from the base of said triangular portion to a point adjacent the apex thereof where said slits intersect to form a triangular tongue the base of which coincides with the base of said triangular body portion, said triangular tongue having slits therein parallel to the slits in said body portion and extending from the base of said tongue to a point adjacent the apex thereof to form a triangular inner tongue the base of which coincides with the bases of the first mentioned tongue and the triangular body portion.

2,116,148
BOTTLE HOLDER
Clinton K. Hawley, McPherson, Kans.
Application August 28, 1937, Serial No. 161,525
1 Claim. (Cl. 215—100)

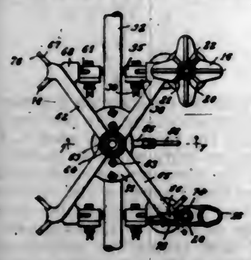


A bottle holder comprising a cup-shaped base adapted to receive a bottle base, said cup-shaped base having a continuous peripheral wall and an

integral semi-cylindrical wall extending upwardly from said peripheral wall, said semi-cylindrical wall having upper and lower retaining tines extending from the vertical edges thereof and curved to accommodate the body of a bottle, a handle secured to said upright semi-cylindrical wall extension, and a retaining member secured to the upper end of the handle and having a free end to engage a bottle at the junction of the neck and body of the bottle to resist any tendency for the bottle to move upwardly relative to the base of said holder.

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2,116,149
**GAS RANGE**
Stanley H. Hobson, Rockford, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States
Application April 18, 1934, Serial No. 721,101
10 Claims. (Cl. 158—115)



3. In a gas stove, the combination with the burners of the cooking top, of a gas supply manifold below the cooking top extending between the burners and having valves communicating therewith and extending from opposite sides thereof toward the burners to deliver gas thereto, an automatic lighter comprising a central pilot light casing having flash tubes radiating therefrom toward the different burners, said lighter being supported on the manifold so that the pilot light casing is directly over the manifold and the ends of the flash tubes are over the various valves, a pilot burner in said casing having direct communication with the manifold therebeneath, and means for supporting the burners on the ends of the flash tubes and in communication with said valves.

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2,116,150
**APPARATUS FOR HANDLING FREIGHT CONTAINERS**
Alexander Howie, Shaker Heights, and Charles H. Bradley, Cleveland, Ohio; said Bradley assignor to said Howie
Application May 18, 1936, Serial No. 80,318
6 Claims. (Cl. 214—84)



1. In combination with a container carrying vehicle having a floor, said floor having transversely extending longitudinally spaced rows of openings therein, rollers mounted for vertical movement in each of said openings, bearings, shafts supporting said rollers, and having eccentric trunnions journalled in said bearings, and means for simultaneously rocking the shafts in each of said rows whereby to raise or lower said rollers, said means comprising levers secured to and extending radially from the trunnions at one end of each of the shafts and means for rocking all of said levers in unison.

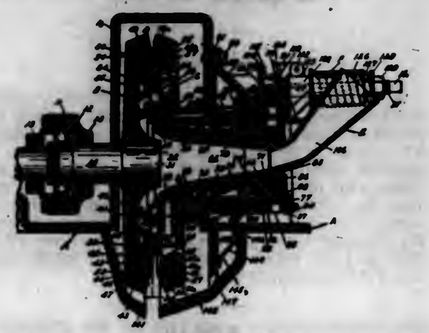
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2,116,151
**MANUFACTURE OF MOTOR FUELS**
Vladimir Ipatieff and Ben B. Corson, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 29, 1936, Serial No. 66,449
1 Claim. (Cl. 196—10)

A process for the production of liquid polymers from ethylene, which comprises subjecting ethylene to the action of a solid catalyst comprising essentially a calcined mixture of a phosphoric acid and a siliceous material at a temperature of the order of approximately 500 to 700° F. and a superatmospheric pressure above 300 pounds per square inch and for a contact time of at least 300 seconds to polymerize and to convert the ethylene into liquid polymers, and recovering the liquid polymers.

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2,116,152
**ABRADING APPARATUS**
Walter L. Keefer, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application February 6, 1935, Serial No. 5,270
20 Claims. (Cl. 51—9)



1. An abrasive propelling device comprising a pair of members mounted for independent rotation, said members being disposed with their axes inclined at an obtuse angle to each other, means disposed between said members and cooperating therewith to seal said members against abrasive flow therebetween throughout a portion of each revolution, and to allow abrasive to flow therebetween throughout another portion of each revolution, and means for feeding abrasive between said members adjacent the axes thereof.

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2,116,153
**ABRADING APPARATUS**
Walter L. Keefer, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application September 2, 1937, Serial No. 162,214
26 Claims. (Cl. 51—9)

1. In an abrading apparatus, a structure mounted for rotation at high speed, said structure providing a generally annular surface facing toward the axis of rotation of said structure, means for depositing abrasive upon said surface, and discharge means for dislodging the deposited abrasive from said surface at a predetermined point in the rotation of said structure

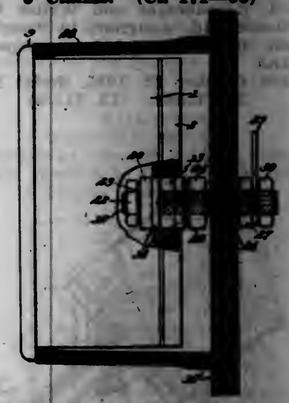


for projecting said abrasive at an abrading velocity.

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2,116,154
**ELECTRICAL MEASURING INSTRUMENT**
Francis X. Lamb, East Orange, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application July 15, 1936, Serial No. 90,806
3 Claims. (Cl. 171—95)

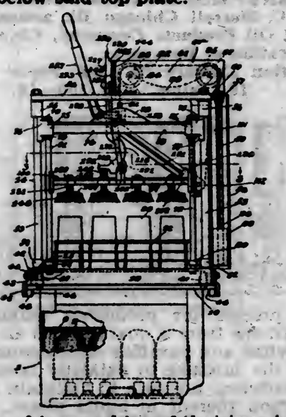


2. An electrical measuring instrument for mounting on a panel, said instrument comprising a casing having an insulating base and an outer flange adapting the casing for flush mounting on a panel, an instrument movement mounted on said base, terminal means anchored in said base, and means including a masking shell for the surface mounting of the casing on a panel, said shell having ends for seating against said flange and a panel to enclose the casing and space the same from the panel.

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2,116,155
**WASHING MACHINE**
Anders R. Lofstrand, Sr., Washington, D. C.
Application December 14, 1936, Serial No. 115,871
9 Claims. (Cl. 15—76)

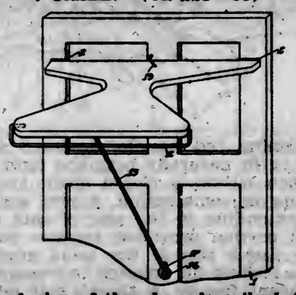
1. In a washing machine of that type including top and bottom brushes, an open bottom trolley structure including a top plate, an elevator slidably connected to said structure and including a vertically movable carrier for positioning the work to be acted upon by the brushes of the machine and for removing the work after being acted upon, said carrier being arranged normally within, capable of passing downwardly through said bottom and guided by said structure, a normally raised latchable combined vertically movable yieldable top brush holding, carrying and setting mechanism arranged within said elevator above said carrier and guided by said elevator, and a linkage connecting said mechanism to said structure below said top plate.



3. In a washing machine of that type including an open top washing compartment and an open top combined rinsing and sterilizing compartment, a trolley for transporting a group of washed glasses from over the open top of the washing compartment to over the open top of the combined rinsing and sterilizing compartment, and a closure for normally closing the open top of the combined rinsing and sterilizing compartment, connected to said trolley and shifted to open position by the latter when the trolley is shifted from over the top of the washing to over the top of the rinsing and sterilizing compartment.

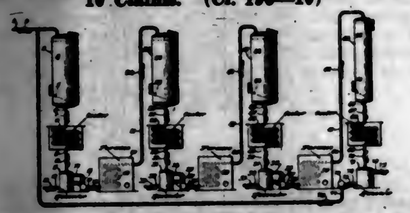
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2,116,156
**CLOTHES HANGER AND BRUSHING RACK**
Ralph L. Morgan, Richmond, N. H.
Application May 6, 1936, Serial No. 78,219
7 Claims. (Cl. 223—88)



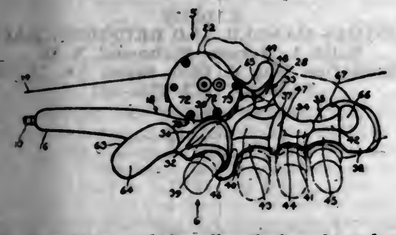
1. In a device of the class described, the combination with a clothes hanger provided with shoulder engaging portions and means above said portions for pivotally supporting the hanger on a vertical surface, for swinging movement from a horizontal position into a vertical position depending from said means, said hanger in the vertical position being adapted to support a coat on the shoulder engaging portions of a supporting member engageable at one end with the vertical surface and at the other end with the hanger to support the latter in a horizontal position with the shoulder portions in spaced relation to the vertical surface, the connection between one end of the supporting member and the structure engaged thereby being releasable to permit the hanger to swing downwardly from the horizontal position into a substantially vertical position.

2,116,157
**MANUFACTURE OF MOTOR FUELS**
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 29, 1936, Serial No. 61,263
10 Claims. (Cl. 196—10)



2. A process for producing normally liquid hydrocarbons from a mixture of 3 and 4 carbon atom olefins and paraffins which comprises subjecting the mixture to catalytic polymerization under sufficient pressure to maintain a substantial portion thereof in liquid phase, separating resulting olefin polymers from the unconverted paraffins, dehydrogenating the separated paraffins to produce 3 and 4 carbon atom olefins therefrom, separating the latter as liquid from the gaseous dehydrogenation products of less than 3 carbon atoms, and supplying the 3 and 4 carbon atom olefins in liquid form to the polymerizing step.

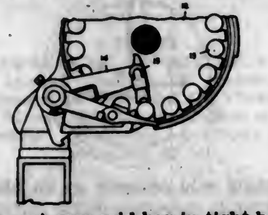
2,116,158
**FISHING ROD HANDLE**
William G. Pentis, Dayton, Ohio
Application December 29, 1937, Serial No. 182,216
14 Claims. (Cl. 43—23)



1. A fishing rod handle, designed and constructed to fit naturally both the right and left hand when either is closed about the handle, comprising in combination, a reel seat, a grip portion extending to the rear of said reel seat, said grip portion providing recesses adapted to seat the finger tips of the hand grasping the handle, a locking fin adapted to engage between two adjacent fingers, a thumb rest adapted to support either thumb in contactable relation with an attached reel, and a heel member adapted to engage the rear palm portion of either hand.

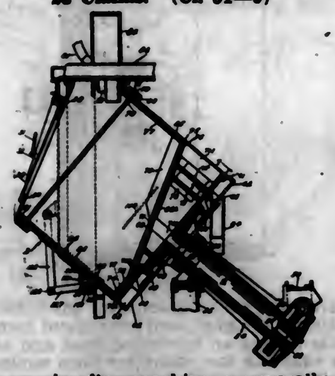
2,116,159
**TRANSFER FORK FOR LOOMS**
Charles M. Rogers, Spartanburg, S. C., assignor of one-fourth to Lyle W. Marks and one-fourth to Simeon Hocklin, both of Spartanburg, S. C.
Application January 8, 1937, Serial No. 119,687
1 Claim. (Cl. 139—244)

A loom transfer fork comprising a bar provided with a perpendicular end portion, a collar integrally formed with said end portion laterally inward thereof parallel to said bar and spaced therefrom, a bobbin contacting member of resilient material and integral construction having a thick shank tightly clamped by said collar in tight fitting binding engagement perpendicular to said bar, the inner end of said shank being transversely



grooved to seat over said bar in tight bearing engagement thereagainst, and the body of said shank being somewhat laterally expanded in the space between the collar and bar.

2,116,160
**ABRADING APPARATUS**
William A. Rosenberger and Walter L. Keefer, Hagerstown, Md., assignors to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application October 22, 1935, Serial No. 46,175
28 Claims. (Cl. 51—9)



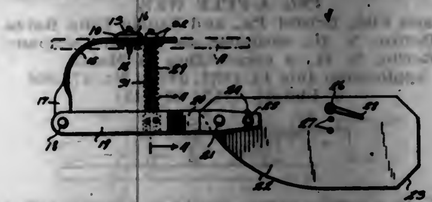
1. In an abrading machine, a generally cylindrical barrel mounted for rotation about an inclined axis and having a closed bottom and an open top, means for rotating said barrel to cause it to tumble work contained therein, the upper edge of said barrel terminating in at least two upstanding annular flanges, a stationarily supported hood structure mounted adjacent the top of said barrel and having at least one downwardly extending annular flange disposed in overlapped nested but spaced relationship to the flanges of said barrel for preventing extraneous material from escaping from said barrel, said barrel being provided with a plurality of passages communicating with the interior of said barrel and with the space between the flanges on said barrel, for returning extraneous material to the barrel interior.

2,116,161
**CULTIVATOR BRACING AND FENDER ATTACHMENT**
Carlyle D. Shanks, Abilene, Tex.
Application January 30, 1937, Serial No. 123,282
4 Claims. (Cl. 97—188)

1. The combination with the pivoted beams of a cultivator, of a transversely extending brace resting upon the cultivator beams rearward of



the pivots for said beams and having a plurality of perforations extending along the brace, there being a plurality of perforations adjacent each beam and a plurality of perforations along the middle portion of the brace, beam clamping members engaging the beams and the perforations in the brace whereby to brace the beams one from the other, fenders having shanks, means engaging



the fender shanks with the brace through certain of the perforations at the middle of the brace whereby the fenders may be adjusted toward or from each other, means for holding the fenders in spaced relation to each other adjacent the rear ends of the fenders, and means resiliently urging the fenders downward but permitting upward movement of the fenders.

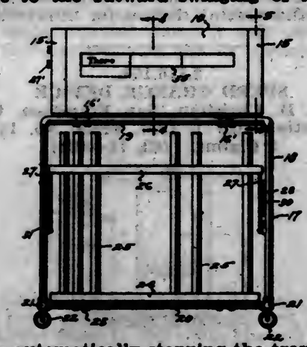
2,116,162
**ELECTRIC DEVICE**
Emanuel C. Smally, Canton, Ohio
Application January 21, 1937, Serial No. 121,521
9 Claims. (Cl. 46—120)



1. An electric device of the character described including a support wall having an opening therein, an electric lighting unit having a maximum diameter greater than said opening and provided with a base, a member screw-threaded at its inner end portion secured to said base flaring outwardly from the base with its terminal portion bearing against the rear surface of said support wall and coacting with the lighting unit engaging the outside edge of the opening for holding said lighting unit tightly within said opening, and means for electrically connecting circuit wires to the base.

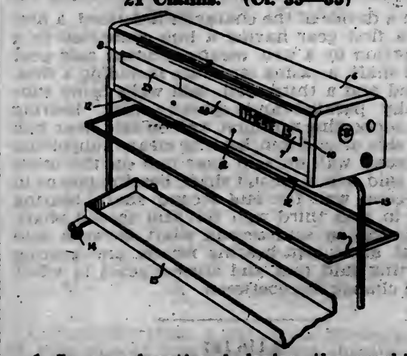
2,116,163
**EDUCATIONAL DEVICE**
James Y. Taylor and Carl C. Taylor, Brownwood, Tex., assignors to Educational Laboratories, Inc., Brownwood, Tex., a corporation of Texas
Application July 30, 1934, Serial No. 737,630
3 Claims. (Cl. 35—35)

1. In an educational device, the combination of, a casing having a front wall adapted to swing outwardly from said casing and provided with a window, an exhibitor mounted to travel within the casing and bearing indicia or symbols for display through the window, panels carried by said wall and closing said window, means for operating the panels in sequence, whereby positions of each line of indicia are displayed in sequence, operating means for the exhibitor, and means responsive to the outward swinging of the front



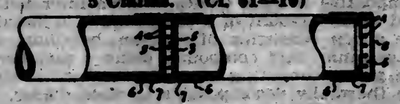
wall for automatically stopping the travel of the exhibitor when the wall is swung.

2,116,164
**EDUCATIONAL DEVICE**
James Y. Taylor, Southbridge, Mass., and Carl C. Taylor, Brownwood, Tex., assignors to Educational Laboratories, Inc., Brownwood, Tex., a corporation of Texas
Application January 21, 1937, Serial No. 121,612
21 Claims. (Cl. 35—35)



1. In an educational device, the combination of a casing having a window, an exhibitor mounted within the casing and bearing indicia or symbols in a plurality of horizontal lines for display through the window, shutters for closing separate portions of the window, means for operating said shutters in sequence whereby portions of each line of indicia are displayed in sequence, means for actuating the exhibitor whereby the next line of indicia becomes visible through the window after the preceding line is displayed and means for holding any of the shutters in either an open or closed position while the remaining shutters are operating.

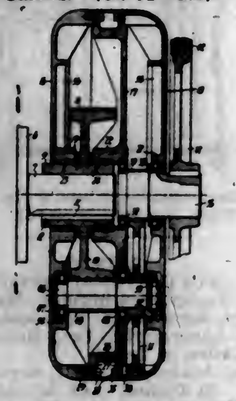
2,116,165
**CONNECTER FOR DRAIN TILES**
Jacques C. Ullman, Cincinnati, Ohio
Application June 1, 1937, Serial No. 145,789
5 Claims. (Cl. 61—10)



1. A device for connecting drain tile comprising sleeve portions to engage the ends of adjacent

tile, and spacing means between the sleeve portions, said device having apertures in the space between the spacing devices for infiltration.

2,116,166
**SPEED CHANGE DEVICE**
Joseph D. Christian, San Francisco, Calif.
Application July 1, 1937, Serial No. 151,532
8 Claims. (Cl. 74—421)

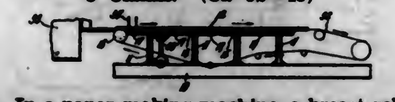


1. In a device of the character described, a first shaft, a first gear having a hub connected to a gear portion by a web, means securing said gear on said shaft, a casing structure including a first, a second and a third wall, said walls being substantially parallel and spaced apart, bearing means supporting said first wall on said gear hub on one side of said web, bearing means supporting said second wall on said gear hub on the other side of said web, a second shaft, bearing means in said second wall for said second shaft, bearing means in said third wall for said second shaft, gear means on said second shaft between said two last mentioned bearing means, and gearing connecting said first and second gears to effect a speed change therebetween.

2,116,167
**PROCESS OF PREPARING A PHOSPHORESCENT MATERIAL**
Hermann Espig, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 6, 1933, Serial No. 650,501. In Germany January 14, 1932
3 Claims. (Cl. 134—47)

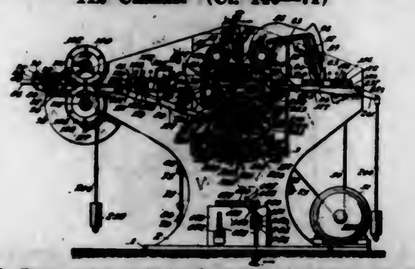
1. Process of preparing waterproof materials having good phosphorescent properties, which comprises intimately mixing a major proportion of an aluminum compound of the group consisting of alumina and a salt of aluminum which is thermally decomposable to yield alumina, a relatively very small amount of a compound of a metal selected from the group consisting of manganese, nickel, rubidium and bismuth, said compound being a member of the group consisting of oxides and salts which are thermally decomposable to yield oxides, and an intermediate and minor amount of a compound of a metal of the group consisting of calcium, beryllium and magnesium, said compound being a member of the group consisting of oxides and salts which are thermally decomposable to yield oxides, the three ingredients having been brought to such a purity that they contain less than 0.002% of iron and less than 0.0001% of copper, and subjecting the resulting mixture to a heating treatment at a temperature at least sufficient to sinter the same.

2,116,168
**METHOD OF AND APPARATUS FOR FORMING A PULP WEB**
James Fish, Bristol, Pa., and Arnold John Barea, Berlin, N. H., assignors to Brown Company, Berlin, N. H., a corporation of Maine
Application July 11, 1933, Serial No. 679,906
6 Claims. (Cl. 92—45)



1. In a paper-making machine, a breast roll, a pair of shake rails, a series of table rolls journaled on said rails, said rolls being arranged with a substantial gap in the series near the breast roll, and means for vertically oscillating the rails and table rolls in the vicinity of said gap.

2,116,169
**WIRE BENDING MACHINE**
Harry R. Geer, deceased, late of Westmont, Pa., by Eula S. Geer, administratrix, Viewmont, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application November 23, 1936, Serial No. 112,403
112 Claims. (Cl. 140—71)

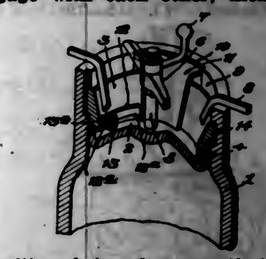


1. In a wire article forming machine of the class described, means for feeding a length of wire to the machine, shear plates for shearing off the length of wire, die plates coacting with the shear plates for simultaneously forming a hook at each end of the length of wire, and means for forming each end portion of the length of wire in succession.

2,116,170
**LID FOR PRESSURE RESISTING VESSELS**
Cecil Stuart Hall, London, England, assignor to Refrigeration Patents Limited, a corporation of Great Britain
Application July 17, 1936, Serial No. 91,369
In Great Britain July 30, 1935
4 Claims. (Cl. 220—57)

1. A sealing device for a pressure vessel having a cylindrical opening with an inner circumferential recess near its outer end and longitudinal recesses extending from its mouth to the said circumferential recess; a removable ring of external diameter equal to the diameter of the opening and provided with projections corresponding to the said longitudinal recesses so that by partial rotation of the ring within the opening, the said projections enter the circumferential recess and lock the ring against outward movement; a lid and a gasket adapted to form a fluid-tight seal with the mouth of the vessel and with the side of the ring furthest within the vessel; means for preventing relative rotation between the lid and the mouth of the vessel; at least one projection or recess on the lid and at least one recess or projection on the ring adapted to engage with each other, their relative size





and positions being chosen so that their engagement is only possible when the ring is in the locked position and prevents relative rotation between the ring and the lid and their non-engagement prevents fluid-tight contact between the lid and the gasket; and means for drawing the lid towards the ring so as to compress the gasket into fluid-tight contact with the wall of the vessel and with the ring and the lid.

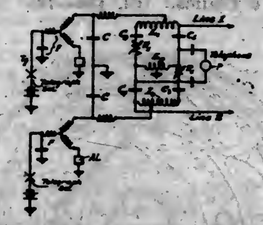
2,116,171
**MATTRESS**
Sam Harris, Chicago, Ill., assignor of one-half to Esther S. Kraus, Chicago, Ill.
Application August 11, 1937, Serial No. 158,555
2 Claims. (Cl. 5—91)



1. A mattress comprising a body portion, said body portion having a recess, and a passageway leading from said recess to the outer side of said mattress, shoulders attached to the inner walls of said recess and passageway, a slidable portion positioned on said shoulders, said slidable portion when in normal closed position forming with said body portion a substantially level reclining surface for a patient, said slidable portion adapted upon movement to slide outwardly on said shoulders to expose said recess, said recess and said passageway both being of sufficient size below said shoulders to permit the entry and withdrawal of a bed pan without movement of said slidable portion or the knowledge of the patient, and a floor positioned within said passageway, said floor having an inclined front for easy access to the pan and a raised inner portion to support the pan in elevated position.

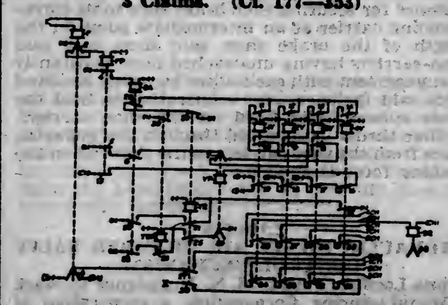
2,116,172
**COMPOSITE SET**
John R. Hyneman, Chatham, N. J., and Ralph R. Goss, Brooklyn, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application December 27, 1935, Serial No. 56,366
12 Claims. (Cl. 179—3)

1. In a communication system having a pair of transmission lines, means for simultaneously transmitting voice frequency currents over said pair of lines and currents of telegraph frequency separately over each of said lines, comprising a composite set including a bridge across said lines having a pair of condensers and an intermediate inductance coil connected in series, voice frequency apparatus connected to said coil, means for connecting telegraph legs in conjugate rela-



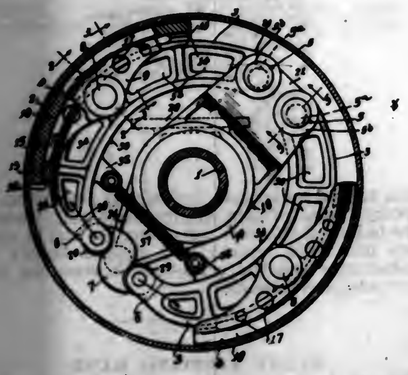
tion to said apparatus, and means grounding the central point of said intermediate coil, whereby the balanced currents traversing the coil in opposite directions toward said ground nullify the inductance and the cross-fire between the lines is rendered negligible.

2,116,173
**RELAY STEPPING BANK**
Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application December 5, 1933, Serial No. 701,017
3 Claims. (Cl. 177—353)



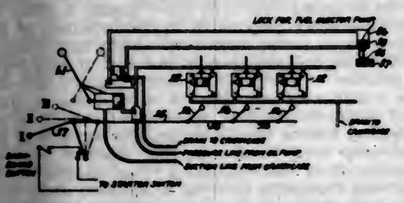
1. In combination, a line circuit having a series of time spaced impulses applied thereto, a repeating relay responsive to the impulses of said series so as to be picked up for each impulse and to be dropped for each time space, a cycle demarking relay responsive to the impulses of said series so as to be picked up at the beginning of said series and dropped at the end of said series, a number of stepping relays equal to one-half the number of impulses in said series, a single half-step relay, a pick up circuit for each of said stepping relays, circuit means for actuating said half-step relay to an opposite position for each picking up of said repeating relay, means including said repeating relay in a dropped away position and said half-step relay in said opposite positions alternately for successively energizing said pick up circuits of said stepping relays, a stick circuit for each of said stepping relays including a front contact of said cycle demarking relay, means only momentarily opening said stick circuits when the last stepping relay is picked up said means acting independently of said cycle demarking relay, whereby said stepping relays are all dropped away and are again successively picked up during the remaining impulses of said series, and circuit means closing a different channel circuit each time a stepping relay is picked up during said series of impulses.

2,116,174
**BRAKE**
Lloyd D. Kay, Alhambra, Calif., assignor to Kay Brunner Steel Products, Inc., a corporation
Application July 25, 1936, Serial No. 92,590
6 Claims. (Cl. 188—78)



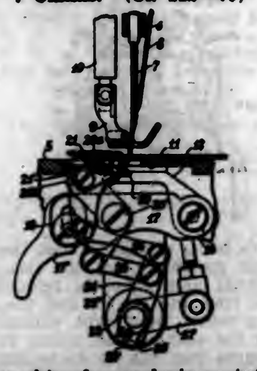
1. In a brake, the combination of a brake drum, brake shoe-carriers movably mounted within the drum, shoes carried by the said shoe-carriers, a fastener for securing each brake shoe to its corresponding carrier at an intermediate point on the length of the brake shoe, said shoes and said shoe-carriers having unattached faces constantly in engagement with each other at points removed from said fastener, and cooperating to hold the shoes substantially fixed on the shoe carriers, so that thrust is imparted through the engaging faces from the shoe carriers to the shoes when the braking force is applied.

2,116,175
**HYDRAULIC DIESEL AIR CHAMBER VALVE CONTROL MECHANISM**
Bruno Loeffler, Plainfield, N. J., assignor to Mack Manufacturing Corporation, a corporation of Delaware
Application October 11, 1935, Serial No. 44,567
4 Claims. (Cl. 123—182)



1. In a compression ignition engine having an air chamber and air chamber valve associated therewith, an air chamber valve control device comprising fluid operated means to actuate the valve, a valve to control the flow of fluid to the fluid operated means, a pipe line to supply fluid under pressure to the control valve, a source of fluid supply under pressure communicating with the pipe line, a cylinder communicating with the pipe line, a manually operated piston in the cylinder, and remote manually operated means to actuate the control valve.

2,116,176
**MACHINE FOR MAKING TUFTED WORK ON FABRICS**
Joseph Mann, Philadelphia, Pa., assignor of one-half to Walter Berenstein, Brooklyn, N. Y.; Ella Berenstein administratrix of said Walter Berenstein, deceased
Application July 13, 1927, Serial No. 153,331
7 Claims. (Cl. 112—79)

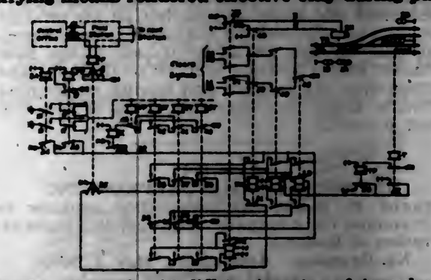


1. In a machine for producing a tufted article, stitching mechanism including work-feeding mechanism and a reciprocatory needle to carry the tufting thread through a fabric and produce loops, a supporting plate, a looper member having an angular body portion pivotally mounted beneath the work-feeding mechanism on said supporting plate and embodying an extension portion provided at one side of said pivotal mounting with a bill-end having extension and retracting movements across the path of travel of the needle to receive the loops thereon, said extension portion of the looper member being provided with a neck portion having a cutting edge, an angular knife member pivotally mounted on said looper member and having, at one side of said pivotal mounting, an arm provided with a cutting edge movable, during extension movement of the looper member, away from the cutting edge of said looper to open a loop-receiving space therebetween and movable toward said looper-cutting edge to close said space and sever a loop therein during retracting movement thereof, and rocking mechanism for simultaneously and positively moving both said looper and knife members about their pivots in a direction to produce said combined looper-extension and opening movement between said knife and looper, and for simultaneously and positively moving both said looper and knife members about their pivots in the opposite direction to retract said looper member and move the knife and looper into closed loop-severing position.

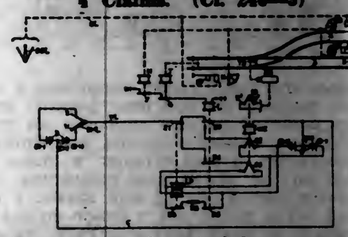
2,116,177
**CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS**
Neil D. Preston, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application August 24, 1935, Serial No. 37,742
4 Claims. (Cl. 177—353)

4. In a communication system of the remote control type; a line circuit having different series of time spaced characteristic impulses transmitted thereover; a line relay included in said line circuit; step-by-step means controlled by said line relay to take one step for each of said impulses; a pair of control relays associated with a particular step; first and second stick circuits for each of said control relays; means controlled by said step-by-step means for opening said first stick circuits during said particular step and at other times closing such stick circuits; means effective while an impulse is being transmitted during said particular step for momentarily opening said second stick circuits; station identifying means rendered effective only during particular ones of said different series of impulses; means controlled by the character of the impulse during said particular step, only if said station identifying means is rendered effective, for selectively energizing one or the other of said control relays during the time that both said first and second stick circuits are opened; and means controlled by said station identifying means, while rendered ineffective, for maintaining said second stick circuits closed.



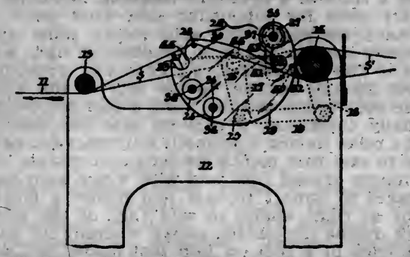


2,116,178
**RAILWAY TRAFFIC CONTROLLING SYSTEM**
Winfred T. Powell, Brighton, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Original application July 31, 1924, Serial No. 727,781, now Patent No. 2,063,895. Divided and this application March 4, 1937, Serial No. 129,017
4 Claims. (Cl. 246—3)



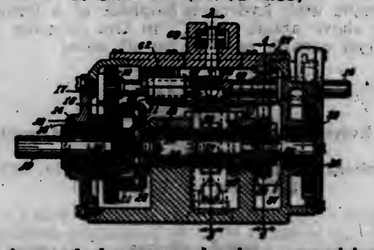
1. In a system of control for power operated track switches for railroads; a switch machine for operating a track switch; a source of energy at said switch machine; a polar relay at said switch machine for controlling it to normal and reverse positions; a switch machine control lever and a source of energy at a control office; a normally energized lock relay associated with said switch machine and deenergized whenever it is unsafe to operate said track switch; a lock repeating relay; a control circuit for said polar relay including a front contact of said lock repeating relay and energized with current of one polarity or the other from said control office source of energy in accordance with the position of said switch machine control lever; pick-up circuit means for said lock repeating relay including a front contact of said lock relay and both said control office source of energy and said source of energy at said switch machine, said pick-up circuit having current flow therein only when said control office source of energy is connected into said circuit by said switch machine control lever in an aiding relationship to said source of energy at said switch machine as it is then connected in the circuit by said polar relay; and stick circuit means for said lock repeating relay including a front contact of said lock relay and its own front contact, said stick circuit means when once energized remaining energized dependent upon said lock relay irrespective of correspondence between said switch machine control lever and said two-position polar relay.

2,116,179
**LEASING MECHANISM FOR WARPING MACHINES**
Thomas F. Suggs, Gastonia, N. C., assignor to Cocker Machine and Foundry Company, Gastonia, N. C., a corporation of North Carolina
Application March 17, 1936, Serial No. 69,275
18 Claims. (Cl. 28—40)



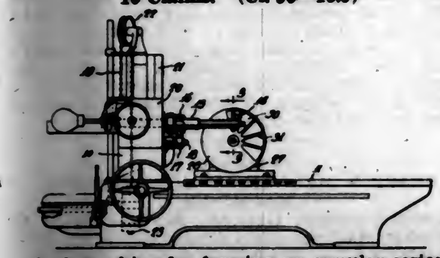
17. In leasing mechanism, guide and warp separating members with an intervening pivotal device to concurrently form spaced lease sheds in traveling warps, means for arresting lease thread when inserted in said sheds, and means for actuating the device to permit closing of the sheds upon the lease thread and to free the lease for travel with the warps.

2,116,180
**SPEED VARYING GEARING**
Fay M. Tomlinson, Cleveland, Ohio, assignor to Arthur M. Hood, as Trustee
Application April 30, 1936, Serial No. 77,098
17 Claims. (Cl. 74—285)



1. A speed-change mechanism comprising, an input shaft; an output shaft; a planetary-gear group comprising a sun-gear, a cosmos-gear, a planet-gear interposed between sun-gear and cosmos gear, and a rotary carrier for said planet-gear; a torque-transmission connection between the input shaft and said carrier; and a torque-transmission connection between the cosmos gear and the input shaft, said last-mentioned connection comprising rotatively-interlocked elements permitting independent rotation of the output shaft at a higher speed than that imparted through said connection by the input shaft.

2,116,181
**MANUFACTURE OF HYDRAULIC COUPLINGS**
Gustav Bauer, Hamburg, Germany
Application January 24, 1935, Serial No. 3,279
In France February 20, 1934
10 Claims. (Cl. 90—13.9)

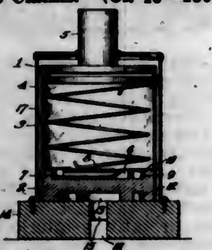


1. A machine for forming an annular series of radial pockets in the face of a work piece to form a rotor of a hydraulic coupling, including a rotary table for supporting said work piece, a carriage for supporting said rotary table and movable horizontally in a direction at right angles to the tool holder, a tool holder rotatable about an axis parallel to the face of the work piece into which the tool cuts, a tool projecting radially therefrom, a cam on said tool holder, and a roller having a normally stationary axis parallel to said first mentioned axis and outside the periphery of said cam, and with which said cam engages to impart to said tool holder a movement at right angles to said face of the work piece during the cutting stroke, whereby the cutting edge of a tool on said tool holder will describe a non-circular path during its cutting stroke.

2,116,182
**PRODUCTION OF MERCAPTANS**
Karl Baur, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application February 24, 1936, Serial No. 65,223. In Germany March 1, 1935
3 Claims. (Cl. 260—156)

1. The process of producing aliphatic mercaptans, which comprises treating an aliphatic alcohol containing at least 12 carbon atoms per molecule with hydrogen sulphide at a temperature above about 150° C. in the presence of a catalyst capable of splitting off water.

2,116,183
**DUCK CALL**
Everett E. Beach and Albert O. Arnold, Kansas City, Mo.
Application August 4, 1937, Serial No. 157,294
3 Claims. (Cl. 46—180)

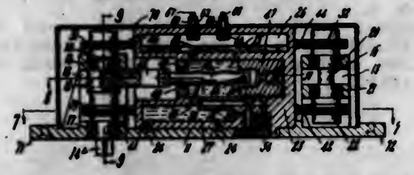


1. A duck call comprising a pair of end blocks, a flexible bellows connecting said end blocks, one of the end blocks being formed with a serpentine passageway leading from inside the bellows to an external open central well in its opposite side, a sounding reed secured at the inside end of the passageway, and the other end block being formed with a projecting operating stem, a spring within the bellows for urging said end blocks in opposite directions, a base member having a central well registering with the external well in the first-mentioned end block and having an air exhaust and inlet passage leading angularly from the central well through an adjacent side of the base member, and a housing secured to the base and surrounding the bellows and having an opening through which the operating stem of the end block projects.

2,116,184
**METHOD OF MOISTUREPROOFING**
Edward B. Beale, Winnetka, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application May 4, 1936, Serial No. 77,792
7 Claims. (Cl. 91—68)

5. A moisture-proof non-fibrous wrapping sheet which remains flexible at low temperatures comprising a base of regenerated cellulose and a moisture-proof coating comprising 94–98% paraffin wax having a melting point above 125° F. and 2% to 6% of a high-molecular weight product of the low temperature polymerization of isobutylene.

2,116,185
**DOOR CLOSER AND CHECK**
Benjamin S. Bernhard, Boston, Mass.
Application August 7, 1935, Serial No. 35,079
21 Claims. (Cl. 16—63)



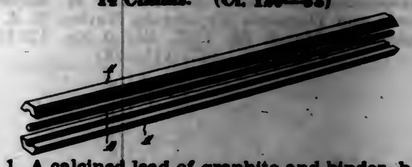
4. A door check and closer comprising a base, separated supports on said base, parallel shafts rotatably mounted in said supports, an intermediate frame structure having a cylinder, a piston operating in said cylinder, a piston rod connected to the piston and protruding from the cylinder toward one of said shafts, a rack connected to the piston rod, a pinion on the last named shaft in mesh with said rack, sprocket chains in driving and driven connection with both shafts, springs applied to opposite stretches of said chains to exert force thereon tending to turn the shafts in one direction, checking liquid in the cylinder, and means permitting controlled flow of liquid from one side of the piston to the other during movement of the piston in the direction caused by the spring induced rotation of said shaft.

2,116,186
**COATING FOR SMOKING PIPES AND THE LIKE**
Andrew Buschman, Garden City, N. Y.
No Drawing. Application November 10, 1937, Serial No. 173,842
3 Claims. (Cl. 131—12)

1. A combination of a smoking article having a chamber within which smoking material is to be burned, and an exterior coating therefor; said coating consisting of a compound of nitro cellulose and urea resin, which when heated turns over and becomes acid resistant and insoluble in its own solvents, said heating being effected when the smoking material is burned therein.

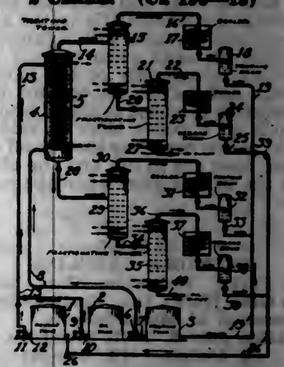


2,116,187
**LEAD PENCILS AND METHOD OF PREPARING PENCIL LEADS**
Isidor Chesler, West Orange, N. J., assignor to Eagle Pencil Company, a corporation of Delaware
Application August 14, 1935, Serial No. 36,155
14 Claims. (Cl. 120—83)



1. A calcined lead of graphite and binder, having its interstices filled with a grease-wetting and penetrating agent, capable of effecting an adequate bond with respect to a water soluble glue.

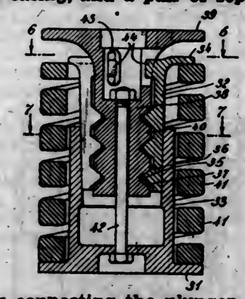
2,116,188
**PROCESS OF EXTRACTING HYDROCARBON MATERIAL**
Durand Churchill, Jr., New York, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 13, 1934, Serial No. 715,290
2 Claims. (Cl. 196—13)



1. Process for separating hydrocarbon material into constituent parts which comprises extracting the hydrocarbon material with a normally liquefiable gaseous hydrocarbon solvent at a temperature above the critical temperature of the liquefiable hydrocarbon solvent and varying the density of the liquefiable hydrocarbon solvent by a progressive change in pressure and by the addition to the liquefiable hydrocarbon solvent of a substance miscible therewith and capable of changing its density.

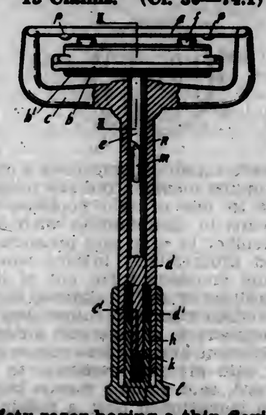
2,116,189
**CUSHIONING MECHANISM**
Leverett M. Clark, Snyder, N. Y., assignor to Waugh Equipment Company, New York, N. Y., a corporation of Maine
Application March 9, 1937, Serial No. 129,797
7 Claims. (Cl. 267—9)

1. A cushioning mechanism for use on a railway vehicle truck, which comprises the combination of a casing, a plurality of friction shoes in the casing having surfaces in engagement with a surface thereof, a central actuating plunger extending within the group of shoes, resilient means engaging the shoes and tending to force them out of the casing, and a pair of separate means



operatively connecting the plunger and each of the shoes, one means preventing substantial relative longitudinal movement of the shoes and plunger, while permitting their relative circumferential movement and the other preventing substantial relative movement of the shoes and plunger circumferentially of the latter.

2,116,190
**SAFETY RAZOR**
William James Davies, Glasgow, Scotland, assignor of one-half to George Gordon Nicol, Aberdeen, Scotland, Douglas Falconer, Kincardineshire, Scotland, James Alexander Mackie, Aberdeen, Scotland, and Arthur Watson Legat, Paisley, Scotland
Application November 30, 1936, Serial No. 113,290
In Great Britain January 15, 1936
15 Claims. (Cl. 30—74.1)



1. A safety razor having a thin flexible double-edged blade positioned between a pair of members each comprising a skeleton frame constituted by spaced parallel bars connected at their ends, the bars of one member being located opposite the spaces between or beyond the bars of the other member.

2,116,191
**METHOD OF AND APPARATUS FOR SEPARATION OF MOIST GASEOUS MIXTURES**
William Lane De Baufre, Lincoln, Nebr.
Application March 4, 1935, Serial No. 9,196
25 Claims. (Cl. 62—122)

24. A method of rectifying a compressed gaseous mixture which includes expanding one por-



1. A duck call comprising a pair of end blocks, a flexible bellows connecting said end blocks, one

COATING FOR SMOKING PIPES AND THE LIKE

Andrew Buschman, Garden City, N. Y.

No Drawing. Application November 10, 1937, Serial No. 173,842

3 Claims. (Cl. 131—12)

1. A combination of a smoking article having a chamber within which smoking material is to

CUSHIONING MECHANISM

Leverett M. Clark, Snyder, N. Y., assignor to Waugh Equipment Company, New York, N. Y., a corporation of Maine

Application March 9, 1937, Serial No. 129,797

7 Claims. (Cl. 267—9)

1. A cushioning mechanism for use on a railway vehicle truck, which comprises the combina-

2,116,191

METHOD OF AND APPARATUS FOR SEPARATION OF MOIST GASEOUS MIXTURES

William Lane De Baufre, Lincoln, Nebr.

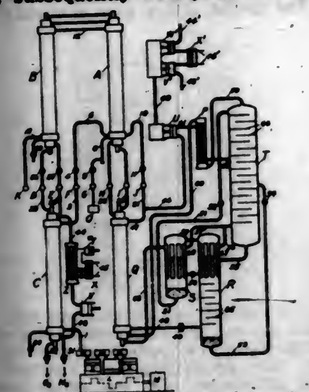
Application March 4, 1935, Serial No. 9,186

25 Claims. (Cl. 62—122)

24. A method of rectifying a compressed gaseous mixture which includes expanding one por-



tion of said gaseous mixture from an initial pressure to a reduced pressure with performance of external work, rectifying another portion of said gaseous mixture at a pressure above said reduced pressure, subsequently rectifying both portions



of said gaseous mixture at said reduced pressure, reducing the temperature of the expanded portion of said gaseous mixture before rectifying the same by heat exchange with a product of said low pressure rectification, and then utilizing said product to cool said gaseous mixture.

2,116,192

ELASTIC COUPLING

Per Draminsky, Copenhagen, Denmark

Application March 18, 1937, Serial No. 131,636

In Denmark March 26, 1936

8 Claims. (Cl. 64—24)



1. An elastic coupling comprising a driving and a driven coupling member, radially movable pressure bodies in one of said coupling members, guiding means in combination with said other coupling member to urge said pressure members equally and progressively inward when one of said coupling members turns out of its normal position (position of rest) relatively to the other one, anti-friction means in connection with said pressure members to engage said guiding means with little friction, and resilient means in engagement with said pressure members to press the same outward, said guiding means being so arranged and constructed that a maximum compression of said resilient means, occurring under an abnormal load, corresponds to a great angle of relative rotation of said coupling members.

2,116,193

CELLULOSIC STRUCTURE AND METHOD OF PREPARING SAME

Donald E. Drew, Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 19, 1935, Serial No. 11,817

10 Claims. (Cl. 91—68)

pellicles, the method of restraining the shrinkage of said pellicles due to the removal of moisture therefrom which comprises treating said pellicles with a liquid containing a shrinkage preventing agent, and drying the said pellicles by contact with the heated surface of a drying element, said agent causing an adhesion between said heated surface and said pellicles during the drying of the latter.

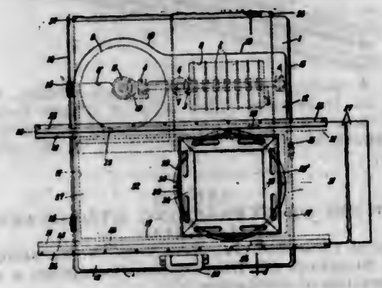
2,116,194

SAFETY DEVICE FOR SAW TABLES

Ferdinand Fink, Newark, N. J., assignor to National Ice Supply Company, an unincorporated association consisting of Anthony M. Meyerstein and Theodore Meyerstein, Nutley, N. J.

Application March 26, 1937, Serial No. 133,116

4 Claims. (Cl. 143—38)



1. An ice cubing machine comprising a plurality of kerfing saws and a cut-off saw, a carriage movable perpendicularly to the axes of all of said saws and provided with a projecting portion covering all saws when none is in use, a table slidable transversely of the movement of the carriage and having an opening therein in which the ice to be cubed is placed and provided with panels on opposite sides of said opening, one of said panels overlying the cut-off saw when the kerfing saws are in use and the other panel overlying the kerfing saws when the cut-off saw is in use.

2,116,195

FLEXIBLE COUPLING

Neal W. Foster, Wellaston, Mass., assignor to Boston Gear Works, Inc., North Quincy, Mass., a corporation of Massachusetts

Application July 8, 1937, Serial No. 152,605

4 Claims. (Cl. 64—14)



1. A coupling for connecting two substantially alined rotatable shafts consisting of a coupling member secured to each shaft, each coupling member having projecting lugs intermeshing with similar lugs on the other coupling member, said lugs having flat bearing faces lying parallel to a plane midway between them and radial to one of said shafts, a rigid power transmitting member mounted between said members and having rigid arms radiating from the center thereof, and resilient members on the opposite faces of the ends of said arms contacting with adjacent flat faces of two of said lugs of opposite coupling members.



2,116,196

ACYLATED PHTHALOCYANINES

Sebastian Gassner and Berthold Bienert, Leverkusen I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 14, 1936, Serial No. 115,820. In Germany December 17, 1935

9 Claims. (Cl. 260—12)

1. As a new product a phthalocyanine of the benzene series containing acyl groups attached to the benzene nuclei.

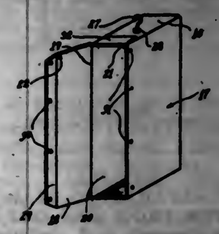
2,116,197

CLOTHING BAG

William Gersten, Brooklyn, N. Y.

Application July 17, 1937, Serial No. 154,255

4 Claims. (Cl. 206—7)



1. In an article of the character described, a fabric box having a vertical fabric door, a substantially horizontal frame provided with a hook; said box depending from the frame with its ceiling in extended condition and the hook extending exterior said ceiling of the box whereby the frame may be suspended, and an arm pivotally secured on a substantially vertical axis at the hinge line of the door; said door depending from said arm, whereby at any position of the arm with respect to the frame, the door will remain vertical.

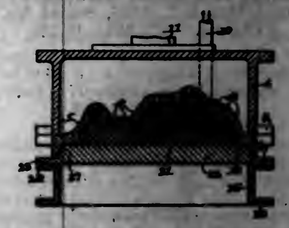
2,116,198

MEANS FOR AND METHOD OF MAKING FIBROUS ARTICLES

Jesse B. Hawley, Geneva, Ill.

Application February 12, 1934, Serial No. 710,855

8 Claims. (Cl. 92—57)



1. In a process of producing articles of accreted fibrous material and with a defined surface contour, the steps of accreting and integrating a stratum of fibrous material from a bath of suspended fibres in a suspending medium and upon the contoured surface of a porous former, removing a portion of the fluid contained in said stratum after accretion and integration thereof so as to leave a sufficient amount of moisture in said stratum for the drying and finishing step of the process, compressing said stratum between the members of a die which are respectively provided with preformed surface contours comple-

mental to the surface contours of said stratum, said compressing being effected in a resilient manner by reason of one of said members being formed of resilient material whereby the pressure against said stratum because of the resilient nature of the resilient member is so distributed in different directions as to be normal to the defined surface of contact between said members at the points of contact, and applying heat to said stratum to dry the stratum with a defined surface contour complemental to the defined surface contour of the other of said members of said die.

5. In a device for producing articles of accreted material, a pressing die of resilient material having a preformed surface of normally constant design, said die having means for conducting fluid away from the surface areas of said accreted material which are engaged by the die while pressing the accreted material.

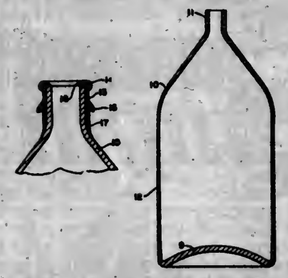
2,116,199

METHOD OF MAKING BOTTLES

Roy J. Held, Freeport, Ill.

Application January 6, 1936, Serial No. 57,680

2 Claims. (Cl. 29—148.2)



1. The method of forming a metal bottle which comprises forming a closed end tube from a unitary piece of metal by drawing the metal from a blank over a suitable die, spinning the upper end of said tube to form a contracted breast and a tubular neck, and welding one end of a tubular metal bottle cap-receiving member in fluid tight engagement with said neck at the end of said neck and the other end of said member to the outer end of said neck.

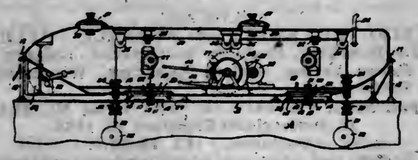
2,116,200

APPARATUS FOR EFFECTING THE ESCAPE OF PERSONS FROM SUNKEN VESSELS

John H. Hermanson, Brooklyn, N. Y.

Application September 4, 1936, Serial No. 99,329

2 Claims. (Cl. 114—16.7)

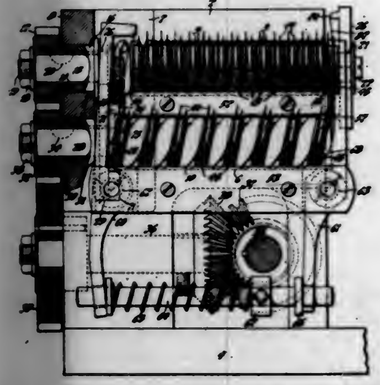


1. In a submarine escape apparatus including a vessel having a watertight compartment below the top deck thereof provided with a hatchway and an upstanding upwardly tapered coaming surrounding the hatchway, a watertight buoyant undersea life-boat having a complementary hatchway on the bottom thereof, a depending

cylindrical coaming surrounding the latter hatchway of slightly greater diameter throughout than the major lower diameter of the tapered coaming and adapted to telescopically encompass the upstanding coaming and to be guided thereby into sealed watertight relation with the top deck, a cradle upon the top deck of said vessel comprising a plurality of spaced standards extending upwardly from the top deck thereof, and a continuous railing conforming generally to the horizontal contour of the hull of the life-boat and supported by said standards, spaced keeper means on the said railing and laterally projectible correspondingly spaced wedge means on the life-boat operable from the interior thereof for interengagement with said keeper means to wedge the tubular coaming into sealing engagement with the top deck and for releasably securing the life-boat in cradled position thereon.

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**2,116,201**
**GILL DRAWING FRAME**
**Willie Holdsworth, Seekonk, Mass.**
**Application February 27, 1936, Serial No. 66,048**
**16 Claims. (Cl. 19—129)**

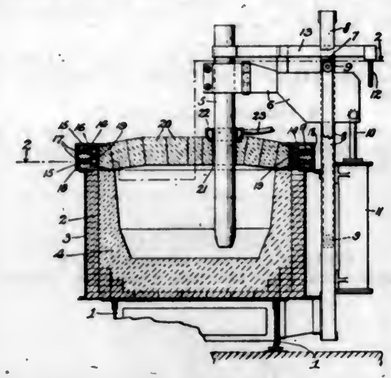


1. In a gill-drawing frame, the combination of cooperating gill-screws, means for rotating said screws, faller-bars adapted to be traversed in opposite directions by said screws, and means at the end of one screw for transferring the faller-bars into engagement with the threads of an opposite screw, said means having cooperating parts for embracing the end of each faller-bar and simultaneously engaging its top and bottom edges as it is advanced thereto to restrain it from undue movement during its transfer.

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**2,116,202**
**ELECTRIC SMELTING FURNACE COVER**
**Paul Honegger, Buelach, Switzerland, assignor to Suisse Freres, Societe Anonyme, Winterthur, Switzerland**
**Application February 13, 1936, Serial No. 63,804**
**In Switzerland February 16, 1935**
**3 Claims. (Cl. 13—9)**

1. For use with an open topped furnace, a cover including a circumferential compression member, a self-supporting roof surrounded by the compression member including a plurality of fitted blocks of heat-resistant material adapted to expand or contract in response to temperature changes, and a plurality of separate yielding means associated with said compression member and adapted to direct thrusts inwardly against the outer edge of said roof at various points there-



about, said roof being apertured to permit the passage of electrodes therethrough.

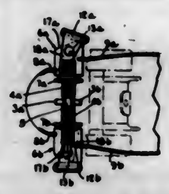
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**2,116,203**
**METHOD OF SEPARATING LEAD AND CADMIUM FROM ZINC ORES**
**Reed W. Hyde, Summit, N. J., assignor to Dwight & Lloyd Sintering Company, Inc., New York, N. Y., a corporation of Delaware**
**No Drawing. Application April 21, 1937, Serial No. 138,105**
**3 Claims. (Cl. 75—1)**

1. In the blast sintering of zinciferous materials containing lead and cadmium in a downdraft sintering machine, the method of preventing the concentration of the lead and cadmium in the lower portion of the sintering charge which comprises providing air passages in the lower portion of the charge about four times as large on the average as the air passages in the upper portion of the charge.

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**2,116,204**
**ROLLER SKATE CLAMP**
**Irving Jaffee, New York, N. Y.**
**Application March 5, 1935, Serial No. 9,358**
**6 Claims. (Cl. 280—11.32)**



1. In a skate clamp, in combination, a pair of transverse clamping members secured to the under side of the sole of the skate for transverse sliding movement, threaded means for driving said clamping members, a pair of L-shaped shoe-engaging clamps respectively mounted to swivel upon the external part of said transverse members, each transverse member and cooperating L-shaped clamp having portions arranged to engage each other at a predetermined angular



position of said L-shaped clamp, whereby the backward movement of said swiveled L-shaped clamp is limited.

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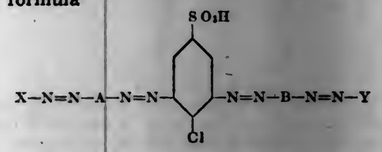
**2,116,205**
**TRANSFER FOR APPLYING DESIGNS TO WOOD AND OTHER SURFACES**
**Hans Kaufmann, Berlin-Charlottenburg, Germany**
**No Drawing. Application March 6, 1936, Serial No. 67,511. In Germany December 9, 1935**
**3 Claims. (Cl. 41—33)**

1. A method to decorate polished wood and other surfaces, which method comprises applying a design in printing colors to a cellulose derivative foil of at least 0.06 mm. thickness, pressing the design side of the foil onto the surface to be decorated under sufficient pressure and heat to weaken and loosen particles of said foil disposed adjacent said surface and stripping off the remaining part of said foil, to leave said design and said particles of foil firmly adhered to said surface.

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**2,116,206**
**POLYAZO DYESTUFFS**
**Hans Krzikalla and Bernd Eistert, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware**
**No Drawing. Application October 23, 1936, Serial No. 107,149. In Germany November 8, 1935**
**9 Claims. (Cl. 260—70)**

4. Polyazo dyestuffs corresponding to the general formula



wherein A and B stand for radicles of the benzene series capable of being coupled at least twice, and wherein X and Y stand for aryl radicles.

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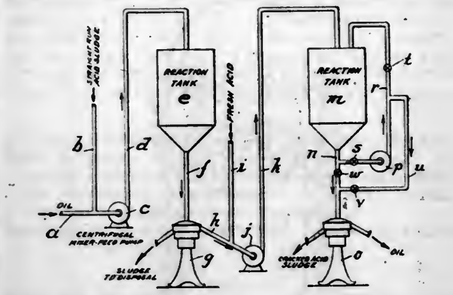
**2,116,207**
**METHOD OF CASTING COPPER**
**Karl A. Lindner, Baltimore, Md., and Frank F. Poland, Highland Park, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey**
**No Drawing. Application November 13, 1936, Serial No. 110,636**
**13 Claims. (Cl. 22—189)**

7. A method of casting sweat-free copper cakes which comprises pouring molten copper into a mold provided with a bone ash mold dressing of a thickness corresponding to at least approximately 4.24 grams of bone ash per square foot of mold surface, and solidifying the resulting cake.

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**2,116,208**
**PROCESS OF REFINING**
**Gideon J. Malherbe, Bronxville, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey**
**Application May 28, 1936, Serial No. 82,192**
**6 Claims. (Cl. 196—40)**

1. The hereinbefore described process of purifying a cracked petroleum hydrocarbon oil which comprises intimately mixing and reacting with the oil a straight run sulfuric acid sludge to form a mixture of partially purified oil and cracked




acid sludge, and separating the oil from the cracked acid sludge.

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**2,116,209**
**GREASE AND PROCESS OF MAKING THE SAME**
**James McKee, Media, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey**
**No Drawing. Application October 16, 1932, Serial No. 638,336**
**16 Claims. (Cl. 87—9)**

1. The process of making a grease comprising mixing a fatty acid, glycerides and petroleum hydrocarbons, forming soaps from the fatty acid and glycerides by the addition of alkali in excess of the quantity required for saponification, but before saponification is complete causing a partial transposition of the soaps to aluminum soaps by the addition of an inorganic aluminum salt, and then decomposing the aluminum soaps by heating to form a colloidal dispersal of reaction products containing aluminum in the petroleum hydrocarbons.

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**2,116,210**
**REGENERATED CELLULOSE STRUCTURES AND METHOD FOR PREPARING SAME**
**Edward R. McKee, Hermitage, Tenn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**No Drawing. Application October 21, 1936, Serial No. 106,821**
**4 Claims. (Cl. 8—2)**

2. The method of bleaching regenerated cellulose structures which comprises treating said structures with an aqueous solution of chlorine having a pH value of less than 4.0.

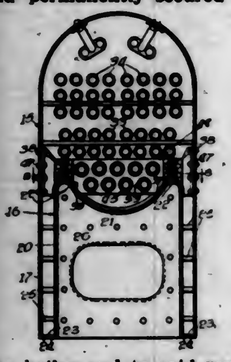
4. A bleaching solution suitable for use in the bleaching of regenerated cellulose structures comprising an aqueous solution of chlorine containing between 3 and 100 parts of chlorine per million parts of water and having a pH value of less than 4.

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**2,116,211**
**BOILER**
**Horace H. Peek, Sr., Chattanooga, Tenn.**
**Application July 24, 1937, Serial No. 155,437**
**3 Claims. (Cl. 122—74)**

3. In a boiler having a fire-box shell within an outer shell and separated therefrom by water spaces, the fire-box shell having depending side sheets and a downwardly curved crown sheet joined at its lateral edges to the side sheets by reversely curved portions, tension members ex-

tending across the boiler, within the water space thereof and permanently secured to the outer



shell of the boiler and to said reversely curved connecting portions of the fire-box shell.

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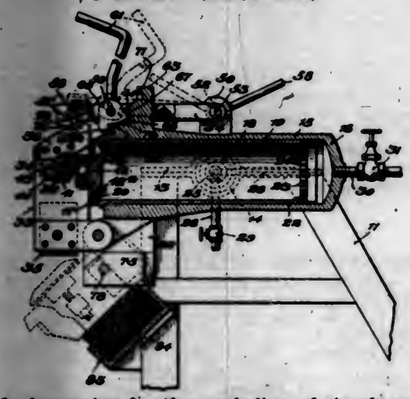
2,116,212

**APPARATUS FOR THE EXPLOSIVE TREATMENT OF MATERIALS**

William J. Plews, Niagara Falls, N. Y., assignor to Plews Processes, Inc., a corporation of New York

Application December 17, 1934, Serial No. 757,965

5 Claims. (Cl. 99—238)



1. Apparatus for the exploding of starch-containing materials by the utilization of high fluid pressure and high temperature comprising a pressure chamber having an open end and a closed end, means for closing the open end of said chamber, means for admitting a gaseous fluid under high pressure to said chamber adjacent its closed end, and a perforated partition subtending substantially the whole area of said chamber and being interposed between said fluid admission port and the open end of said chamber for dividing the fluid admitted to said chamber into a plurality of fine streams, said partition dividing said pressure chamber into a large treating sub-chamber to hold the material to be treated and a reserve sub-chamber of substantial volume to hold the gaseous fluid whereby the expansion of said fluid contained in the reserve sub-chamber, on opening of said closing means, assists in the expulsion of the said materials from the treating sub-chamber.

3. Apparatus for the treatment of materials comprising a carriage provided with trunnion bearings, a pressure chamber mounted in said bearings for rotational movement in a vertical plane, closure means pivotally mounted on said chamber for closing same, means for holding said closure means in the closed position, means for releasing said holding means to permit said closure means to be moved away from said chamber, and means for absorbing the energy of said closure means, said last named means comprising a pair of stationary spring-pressed friction plates adapted to frictionally engage a portion of said closure mechanism during its opening movement to dissipate some of the energy of said mechanism, and a resilient buffer positioned in the path of travel of said closure mechanism to adsorb the residual energy thereof.

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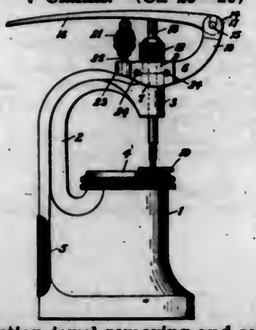
2,116,213

**FRICTION JEWEL SETTING DEVICE**

Edward Renz, New York, N. Y., assignor to Hammel, Riglander & Co., Inc., New York, N. Y., a corporation of New York

Application August 3, 1937, Serial No. 157,116

7 Claims. (Cl. 29—10)



4. A friction jewel removing and setting device for staking tools, comprising, a two-part frame adapted to embrace the end of a staking tool goose-neck and clamp the same, one of the frame parts having an upwardly extended clevised end, the opposite end of said frame part having a vertically movable adjustable nut, a pivoted lever having one of its ends mounted in the clevised end of the frame part, said lever extending across the frame and the adjustable nut and having its position of descent governed by the position of said nut, the end of the lever located in the clevised portion of the frame being formed with an open hook whereby it may be readily detached from the clevis.

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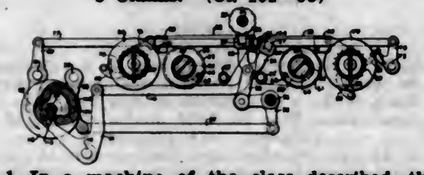
2,116,214

**PRINTING MECHANISM FOR CASH REGISTERS**

William H. Robertson, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application August 2, 1935, Serial No. 34,338

5 Claims. (Cl. 101—93)



1. In a machine of the class described, the combination of a framework for the machine;



a single set of printing elements adapted to print upon a plurality of record strips arranged end to end; a supply roll and a receiving roll for each record strip carried directly by the framework; an impression platen associated with each strip, one platen and strip being normally in position to take an impression from the printing elements; a pivoted member carrying all of the platens on its free end; means to rock said member to move said one platen out of printing position and to bring another platen into printing position during a machine operation; guide means carried by the latter platen to support a portion of the record strip associated with said platen and to shift a portion of said strip into printing position upon rocking movement of said member, said portion of strip being drawn from its supply roll; and means to operate said member to effect printing on each of said strips during each operation.

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2,116,215

**ELECTRICAL SWITCH**

Samuel Ruben, New Rochelle, N. Y.

Application July 23, 1937, Serial No. 155,324

11 Claims. (Cl. 200—144)



1. An electrical make and break device comprising an evacuated sealed chamber having therewithin a pair of solid cooperating contacts, at least one of which is movable and at least one of which is formed from a metal amalgamable with mercury, a mercury atmosphere in said chamber and a film of mercury on at least one of said contacts.

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2,116,216

**BRAKE ADJUSTING MEANS**

Claude Sauzedde, Detroit, Mich., assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich., a corporation of Michigan

Application July 8, 1935, Serial No. 30,231

5 Claims. (Cl. 188—79.5)



1. A brake shoe adjusting device for a hydrostatic brake mechanism wherein brake shoes are moved radially into engagement with a drum by a movable element movable in response to fluid pressure and wherein the brake shoes are retracted from engagement with the drum by spring means, said adjusting device comprising a cylindrical body having a screwthreaded portion for engagement with the movable element of the brake mechanism, said cylindrical element having splines on the end thereof and a flange at the splined end formed with purchase points for engagement by a tool, and a member for supporting the brake shoe of the brake mechanism, said member having splines adapted to interlock with the splines on the end of said cylindrical element.

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2,116,217

**VISUAL INDICATOR FOR TUNING MEANS**

Karl Schwarz, Berlin, Germany, assignor, by mesne assignments, to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application September 19, 1935, Serial No. 41,203

In Germany July 25, 1934

3 Claims. (Cl. 88—24)



1. A device for indicating the rotative position of radio tuning mechanism, comprising a scale having a plurality of parallel screen sections, a source of light and condensing lens means, a curved rotatable member operatively connected to the radio tuning mechanism and provided with a plurality of light apertures therethrough positioned at spaced intervals on a helical line of the curved surface of said member, and a projection objective positioned between said curved member and said screen in optical alignment with said light source and said apertures whereby images of the apertures are successively projected upon said screen scales to indicate the rotative position of the tuning mechanism.

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2,116,218

**DEFLECTION OF ELECTRODE ARCS**

Gilbert E. Seil, Cynwyd, Pa.

Application January 21, 1937, Serial No. 121,423

7 Claims. (Cl. 13—11)



1. In an electric furnace, a pair of energizable substantially horizontal electrodes adapted for sustaining an arc between their adjacent ends, said electrodes being disposed with their axes in non-alignment so that projections of the peripheries thereof will overlap, and means for rotating said electrodes about their axes so that the overlapping portions of the electrodes are given a common mean downward motion whereby an arc sustained between the adjacent ends of said electrodes is directed substantially in a downward direction.

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2,116,219

**TREATMENT OF METALS**

Gilbert E. Seil, Cynwyd, Pa.

Original application January 21, 1937, Serial No. 121,423. Divided and this application July 8, 1937, Serial No. 152,864

3 Claims. (Cl. 75—10)

1. The method of smelting metals having as steps thereof, providing a molten bath of metal

having slag thereon, emitting molten metal from the arc ends of a pair of oppositely directed substantially horizontal hollow rotating electrodes having their axes lying in different vertical planes and so positioned that projections of the arc ends



thereof will overlap, and by directing the arc of the electrodes downwardly toward the bath causing the emitted molten metal to be maintained at high temperature and to impinge upon and penetrate through the slag to the metal therebeneath.

2,116,220

**METHOD OF TREATING PETROLEUM WAX**

**Bernard H. Shoemaker, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana**

**No Drawing. Application May 4, 1936, Serial No. 77,787**
**10 Claims. (Cl. 87—19)**

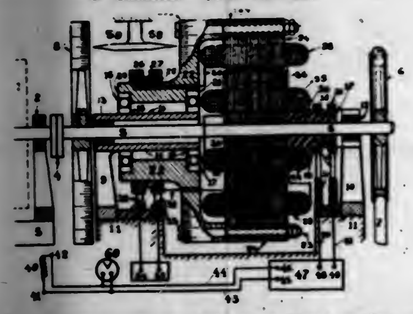
1. The method of preventing the development of rancid odor in solid paraffin wax during storage, which comprises straining said wax in a molten condition through clay and immediately thereafter incorporating in said molten wax a very small quantity of a wax-soluble phenolic compound.

2,116,221

**APPARATUS TO AUTOMATICALLY DETERMINE THE ANGULAR POSITION OF UNBALANCE IN ROTATABLE BODIES**

**Jens Siyertsen, Philadelphia, Pa.**

**Application August 31, 1935, Serial No. 38,710**
**9 Claims. (Cl. 73—51)**



9. An apparatus to determine the angular position of unbalance in a rotatable body, comprising electrical pick up means generating alternating voltage by the vibrations due to unbalance in said body, a rotor and a magnet, said rotor having a coil, said coil supplied with alternating current originating in said pick up means, means to support said magnet coaxially with said rotor, but free to seek its own angular position.

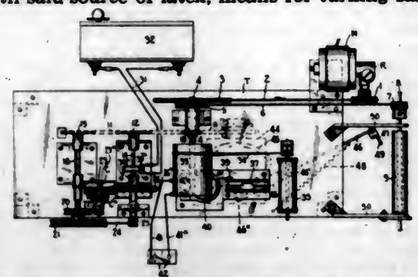
2,116,222

**METHOD OF MAKING RUBBER THREAD OR YARN, AND MACHINE FOR MAKING THE SAME**

**William M. Spencer, Trenton, N. J., assignor, by mesne assignments, to Filatex Corporation, New York, N. Y., a corporation of New Jersey**

**Application July 25, 1934, Serial No. 736,898**
**Renewed July 14, 1937**
**6 Claims. (Cl. 18—8)**

3. A machine for making a coherent and elastic rubber member, comprising a source of latex, a roll having a groove and being out of contact with said source of latex, means for turning said



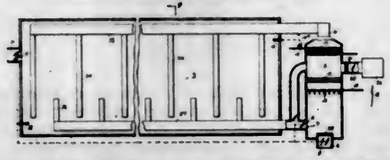
roll, means for heating said roll, and turnable roller means for supplying latex from said source into the groove of said heated roll in laterally continuous form.

2,116,223

**PROCESS FOR CURING FOOD PRODUCTS**

**Alfred E. Stacey, Jr., Essex Fells, N. J., assignor by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware**

**Application November 12, 1934, Serial No. 752,549**
**17 Claims. (Cl. 99—229)**



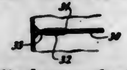
1. A method of curing produce, consisting in first subjecting the produce to the action of air free of smoke for the purpose of removing moisture from the produce, controlling the wet bulb temperature of said air by regulating the admission of outdoor air responsive to changes in wet bulb temperature of the air as it is used for drying the produce, then circulating smoke-laden air in contact with the produce to provide desired curing thereof until predetermined characteristics of color and taste are imparted to the produce, and finally cooling the produce by subjecting it to a circulation of air free of smoke, and controlling the relative humidity of the air used in the last step.

2,116,224

**MOUNT FOR ELECTRON DISCHARGE DEVICES**

**Theodore A. Sternberg, Lyndhurst, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware**

**Application August 28, 1937, Serial No. 161,378**
**5 Claims. (Cl. 250—27.5)**



4. An electron discharge device including an envelope having a tubular portion, a mount enclosed by said envelope and comprising an electrode assembly positioned to extend into the tubular portion, an insulating plate secured to the mount to extend transversely of the tubular portion of the envelope, said insulating plate having apertures near the edges, and metallic spring



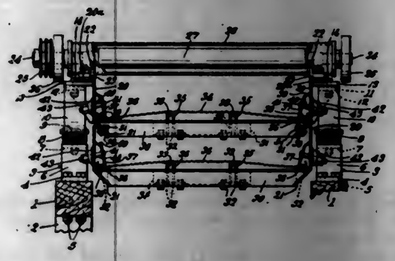
elements disposed on and in contact with opposite sides of said plate and registering with each other and having portions extending into said apertures, said portions overlapping each other, the other ends of said springs extending beyond the edges of said plate to contact the walls of the tubular portion of the envelope to resiliently steady the mount within the tubular portion of the envelope, the registering ends extending beyond the edges of the insulating plate being welded together to maintain said springs in position on said plate.

2,116,225

**VIBRATING SCREEN**

**Harry L. Strube, Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois**

**Application July 11, 1936, Serial No. 90,048**
**5 Claims. (Cl. 209—319)**



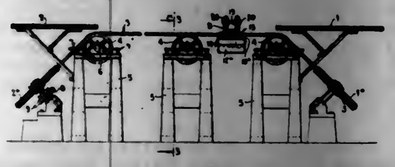
1. In a vibratory screen, a screen box including a plurality of separable, superposed box members, a base for said screen, a flexible connection between said base and one of said box members, means for removably securing said box members together, including opposed downwardly and inwardly extending portions conforming to each other, one associated with the lower edge of the upper of two adjacent boxes, and the other associated with the upper edge of the lower of said two adjacent boxes, and means for securing said opposed portions together, said portions and securing means lying entirely within the periphery of the screen boxes.

2,116,226

**MONOCABLE AERIAL TRAMWAY SYSTEM**

**Leo J. Vogel, Pittsburgh, Pa.**

**Application August 23, 1935, Serial No. 37,466**
**6 Claims. (Cl. 104—180)**



1. A monocable aerial tramway system comprising a supporting cable and means adapted to actuate the supporting cable, said system including guide sheaves for said supporting cable, a conveyor having gripping means which straddle and grip the cable, and load carriers connected to said conveyor and located on each side of said cable, said load carriers actuating said gripping means to the operative position.

2,116,227

**METHOD OF PRODUCING FROM WASTE SULPHITE LYE A THICKLY LIQUID WATER SOLUTION OF AN ADHESIVE SUBSTANCE**

**Karl Börje Winlöf, Stockholm, Sweden**

**No Drawing. Application February 3, 1937, Serial No. 123,864. In Sweden February 1, 1936**
**4 Claims. (Cl. 134—23.91)**

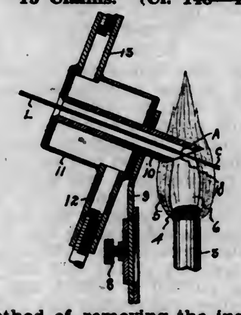
1. A method of producing from waste sulphite lye, a thickly liquid water solution of an adhesive substance, consisting in concentrating under high vacuum, the waste lye coming directly from the digester in a hot state, liberated from solid particles and protected from the influence of daylight and the atmospheric air, at a temperature of about 60–70° C., to a consistency corresponding substantially to the specific gravity of 1.4, then adding, repeated times, a volume of water corresponding to the volume of the material concentrated to the said consistency, and repeating just as many times the concentrating of the contents of the evaporator to a final specific gravity of about 1.4, adding to the product sulphuric acid in such a limited quantity that the precipitation of calcium salts is avoided.

2,116,228

**METHOD AND APPARATUS FOR CLEANING ENDS OF INSULATED ELECTRIC WIRES**

**Robert M. Akin, Jr., Sleepy Hollow Manor, North Tarrytown, N. Y.**

**Application March 11, 1937, Serial No. 130,358**
**15 Claims. (Cl. 148—4)**



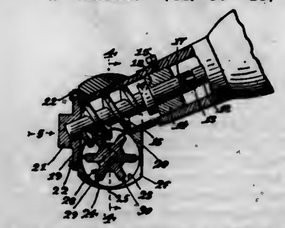
1. A method of removing the insulation from the end of an insulated electrical conductor which comprises burning off the insulation at the end and heating the conductors and cooling the exposed conductor in a reducing atmosphere.

2,116,229

**ELECTRIC RAZOR**

**Edward G. Bader, Inglewood, Calif.**

**Application November 23, 1936, Serial No. 112,322**
**2 Claims. (Cl. 30—43)**



1. In a razor, a housing providing a stationary blade extending transversely thereof, a bladed rotor in the housing, the blades of which are arranged to sweep adjacent the stationary blade, a worm extending into the housing meshing with

the blades of the rotor and serving to rotate the rotor, the edges of the blades of the rotor being of reduced thickness so as to present shearing edges which cooperate with the stationary blade and which will not be engaged by the worm, and means for rotating the worm.

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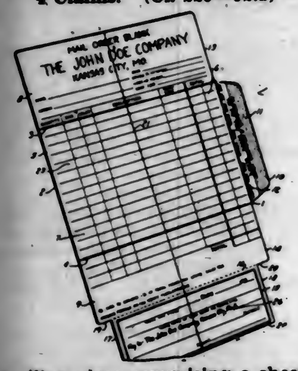
2,116,230

**COMBINATION LETTER OR ORDER FORM, CHECK, AND RETURN ENVELOPE**

Eugene B. Berkowitz, Kansas City, Mo., assignor to Berkowitz Envelope Company, Kansas City, Mo., a corporation of Delaware

Application June 13, 1936, Serial No. 85,116

4 Claims. (Cl. 229—92.1)




1. A mailing piece comprising a sheet of foldable material having longitudinal and spaced transverse fold lines to divide the sheet into front and back portions and side flap portions on opposite sides of the front and back portions, a check section formed on one of said side flap portions and foldable with said side flap portion inwardly of the mailing piece over said front and back portions to underlie the side flap portion at the opposite side and so that the attaching point of the check section with said side flap portion lies inwardly of the fold line on which said side flap portion is folded, and a sealing flap on said sheet for sealing the front portion with the back portion when the back portion is folded over the front portion on said longitudinal fold line.

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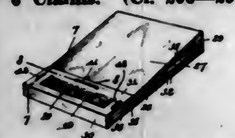
2,116,231

**SAFETY MATCH HOLDER**

Walter Beyer, North Tonawanda, N. Y.

Application February 8, 1937, Serial No. 124,557

6 Claims. (Cl. 206—29)



1. A match folder comprising a casing formed of a sheet of material bent to form a bottom, opposite end walls, a cover hinged to one end wall and a securing portion extending from the other end wall, match sheets secured within said folder by said securing portion, and a striking lid carried by said securing portion and in striking position when said cover is closed, said lid and cover having cooperating means causing said lid to be moved into a position of disuse when said cover is being opened.

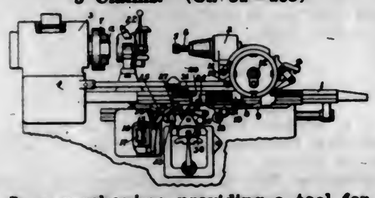
2,116,232

**SIZE DETERMINING MECHANISM FOR AUTOMATIC MACHINES**

Harold L. Blood, Birmingham, Mich., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts

Original application December 31, 1932, Serial No. 649,701. Divided and this application December 11, 1933, Serial No. 701,776

5 Claims. (Cl. 51—165)



1. In a mechanism providing a tool for performing a cutting operation on a workpiece by a relative movement, an electrical circuit and means for automatically controlling the progress of the cutting operation in accordance with variations in the capacity of said electrical circuit, including a condenser comprising a stationary element and a cooperating element movable directly by said tool.

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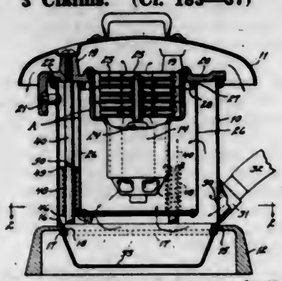
2,116,233

**VACUUM CLEANER**

James D. Cole, Kent, Ohio, assignor to The Black & Decker Electric Company, Kent, Ohio, a corporation of Ohio

Application December 21, 1936, Serial No. 116,864

3 Claims. (Cl. 183—37)



3. In a vacuum cleaner having a hollow receptacle which is open at the top, a cover for the receptacle having a pump, motor and filter bag depending therefrom into the receptacle with the bag outside the pump and motor; the arrangement for distending the bag comprising rods depending from the cover outside the bag, coil springs on the rods adapted to be connected at their lower ends to a lower portion of the bag, and members quickly-detachably connected with the rods and arranged to hold the springs in stressed condition for retaining the bag taut.

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2,116,234

**AUTOMATIC OVERDRIVE GEARING**

Frederick W. Cotterman, Dayton, Ohio, assignor of one-half to Bessie D. Apple, Dayton, Ohio

Application November 18, 1936, Serial No. 111,460

17 Claims. (Cl. 74—260)

1. Power transmission mechanism comprising, a driving member, a driven member, a gear train, means for connecting said members to revolve at the same speed, a second means for connecting said members through said gears to revolve at different speeds, a coarse pitch screw on one of said gears, operative by and in proportion to the torque being carried by said gear, to constantly urge the first connection to remain or become effective and second connection to remain or become ineffective, and helical teeth on said one





gear of the same hand but less angle with the axis of the gear than said screw, whereby the end thrust due to the screw is carried partly by the end of the gear and partly by the said helical gear teeth.

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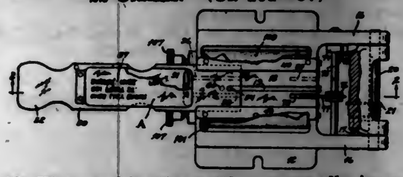
2,116,235

**PRINTING DEVICE**

Franklin E. Curtis, East Cleveland, Ohio, assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application April 12, 1935, Serial No. 16,065

23 Claims. (Cl. 101—57)



13. The combination with a normally inoperative printing machine adapted to print from a customer's token having a particular index, and means under the control of said index while the token is in printing position in the machine to render the machine operative to print.

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2,116,236

**METHOD OF SETTING WELL CASING**

Frank F. Dickey and Howard S. Cole, Jr., Los Angeles, Calif., assignors, by direct and mesne assignments, to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application July 29, 1937, Serial No. 156,266

5 Claims. (Cl. 166—4)



1. A method of setting casing in a well which comprises the lowering of a section of casing in a hole within the area covered by the derrick floor, hoisting a second section of casing above the section thus lowered and welding the abutting edges of the two casings along their circumferential joint, hoisting the two sections thus welded out of the hole, and positioning them above the well so that the lower end of the sections will be welded to the string of casing lowered into the well.

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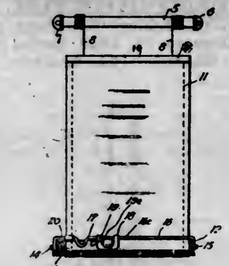
2,116,237

**ADJUSTABLE VENTILATING WINDOW SHADE**

Max F. Ehlers, Long Island City, N. Y.

Application June 20, 1935, Serial No. 27,484

5 Claims. (Cl. 156—30)



5. The combination with a flexible windable shade, of means for supporting the upper end of the shade so that the shade depends therefrom, a roller on which the lower end of the shade is wound, a frame extending across the roller and providing end bearings on which the roller may turn, a friction clutch slidable on the frame, a spool on one end of the roller, a flexible cord connected with the friction clutch at one end and wound on the spool in reverse direction to the winding of the shade upon the roller, whereby the weight of the roller will be balanced by the friction of the clutch, and the roller may be turned in either direction by shifting the clutch on the frame.

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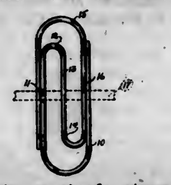
2,116,238

**METALLIC CLOTHESPIN OR THE LIKE**

Bruce J. Harvey, Des Moines, Iowa

Application August 23, 1937, Serial No. 160,469

6 Claims. (Cl. 24—261)



1. In a clothespin, a single strand of spring material bent into a top U-shaped member having its free side substantially straight, a hump in the other leg of said U-shaped member, a small U-shaped member formed adjacent said hump and oppositely disposed to said first mentioned U-shaped member, a guide rod extending from said second mentioned U-shaped member up the approximate center of said first mentioned U-shaped member, a third U-shaped member arranged within said first mentioned U-shaped member and having its other leg extending parallel and adjacent to the free end of said first

mentioned U-shaped member, a second hump formed in said last mentioned leg of said third mentioned small U-shaped member, and a fourth U-shaped member continuing from said hump having its free end parallel with the inner leg of said first mentioned U-shaped member and oppositely disposed from said first mentioned U-shaped member; said first and said third mentioned U-shaped members having their end portions bent outwardly at an angle opposite to each other and said second and said fourth U-shaped members having their end portions bent outwardly opposite to each other.

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**2,116,239**
**GAS ANALYSIS CELL OF THE THERMAL CONDUCTIVITY TYPE**
**William O. Hebler, Westfield, N. J.**
**Application January 29, 1937, Serial No. 122,959**
**4 Claims. (Cl. 73—51)**



4. In a gas analysis apparatus of the thermal conductivity type, an analysis cell and a standard cell placed end to end,. resistance elements mounted in said cells, and metal cups of high thermal conductivity secured to the adjacent ends of said cells, said cups being secured together.

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**2,116,240**
**GREASE RETAINER WITH CLAMPED PACKING**
**William A. Heinse, Chicago, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois**
**Application August 30, 1933, Serial No. 687,475**
**6 Claims. (Cl. 288—1)**



1. A grease retainer, including a substantially cylindrical packing having a flare at one end, and means for retaining the packing in the retainer and against a rotatable shaft, said means including a pair of co-acting gripping elements associated with the flared end of the packing, one of said elements comprising a cup-shaped holder and the other of said elements comprising a washer, together with a containing housing for said assembly, and an offset seat integrally formed in the housing, one edge of the housing being turned inwardly and thence downwardly against corresponding portions of the gripping element and washer assembly to provide a unitary structure.

**2,116,241**
**PROTECTOR**
**John P. Heumann, New York, N. Y.**
**Application May 6, 1935, Serial No. 19,997**
**3 Claims. (Cl. 128—139)**



1. In a protector for mouth and nose, absorbent material, a flexible shield with a bent-over edge formed in the material of said shield and supporting said material, and elongatable bows extending from said shield adapted to fit over the ears, so that said bows may be set to flex said shield over mouth and nose and then said edge will clamp onto said shield a piece of said absorbent material inserted thereunder.

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**2,116,242**
**BAG FRAME**
**William C. Hiering, Newark, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a corporation of Delaware**
**Application February 26, 1937, Serial No. 127,859**
**6 Claims. (Cl. 150—29)**



1. In a hand bag frame, a U-shaped frame member comprising a cross-member, leaf springs attached to the cross-member adjacent the ends thereof, legs pivoted to the ends of the cross-member and adapted to be positioned in alignment with said cross member, said legs having notches therein adjacent said pivot, and projections on said leaf springs adapted to snap into said notches to prevent rotation of said legs when the legs are moved to a position at right angles to the cross member.

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**2,116,243**
**CHUCK**
**Ray W. Johnsen, Chicago, Ill.**
**Application November 19, 1936, Serial No. 111,660**
**10 Claims. (Cl. 242—68)**

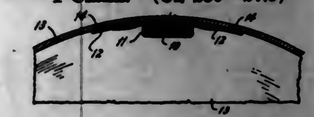


5. In a chuck for securing paper rolls or the like to a shaft, the combination of an annular head provided with a bore extending through the same, a sleeve rotatably mounted in said bore and having peripherally extending camming means on its outer surface, a plurality of jaws having parts thereof expansively mounted in said head, said jaws having camming formations on their inner surfaces whereby rotation of said sleeve spreads said jaws into engagement with a member to be fastened to a shaft, said sleeve being provided with ratchet teeth adjacent said head, and pawl means in said head for securing said sleeve in any of a plurality of rotative positions, said head having a transverse bore located adjacent the pawls, and means slidably mounted in said bore for moving the pawls out of engagement with the adjacent ratchet teeth.



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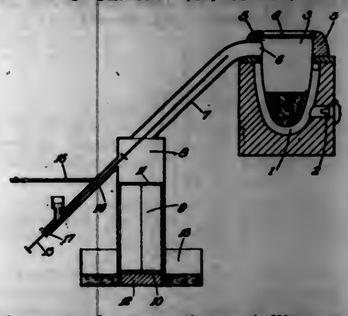
**2,116,244**
**GETTER FOR RADIO TUBES**
**George L. King, Syracuse, N. Y.**
**Application October 7, 1935, Serial No. 43,899**
**1 Claim. (Cl. 250—27.5)**



A getter for radio tubes and the like having an outer envelope of metal comprising a strip of metal having a general contour of a portion of the interior of said envelope and having imbedded therein upon the outer surface thereof a pellet of getter material whereby when said metal is attached to the inner face of a radio tube envelope, the getter material will be in contact with the envelope.

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**2,116,245**
**PREPARATION OF ALKALINE EARTH METALS**
**Gustaf Newton Kirseboom, Clifton, Bristol, England, assignor to Calley Limited, London, England, an English joint-stock company**
**Application September 13, 1935, Serial No. 40,441**
**In Great Britain September 21, 1934**
**6 Claims. (Cl. 75—67)**

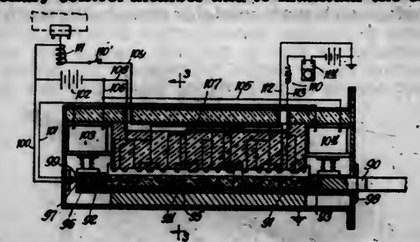


1. A process for preparing metallic magnesium which comprises heating magnesium oxide at a temperature above the boiling point of magnesium with an aluminium-magnesium alloy containing about 8% of magnesium and condensing the metal vapour given off.

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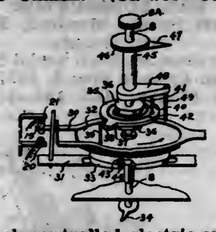
**2,116,246**
**LOCK AND SWITCH DEVICE**
**Robert Macdonald, Chicago, Ill.**
**Application June 26, 1934, Serial No. 731,548**
**3 Claims. (Cl. 200—44)**

1. A lock and switch device of the class described comprising, an enclosed substantially stationary control member, a removable key carrying a movable companion control member, means for guiding said key into said device to position said movable control member of said key opposite said enclosed stationary control member but spaced therefrom, electromagnetic means, contact means on said key for energizing said electromagnetic means upon insertion of said key whereby said key is moved to position the control member thereof in engagement with said enclosed stationary control member and to maintain the engagement therebetween, said movable companion control member of said key remaining initially in engagement with said stationary enclosed control member upon withdrawal of said key from said device, whereby said electromagnetic means is first deenergized to release the engagement between said control members prior to full withdrawal of said key from said device.



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**2,116,247**
**ALARM CLOCK**
**Alan James Macdonald, Vancouver, British Columbia, Canada**
**Application September 15, 1936, Serial No. 100,854**
**8 Claims. (Cl. 200—38)**



5. In a clock controlled electric switch, a manually operable arbor adapted to be set to a switch operating time, a slidably mounted gear rotatable by the clock mechanism, a pair of springs adapted to be tensioned and relieved of tension in response to the rotation of said gear, a switch having a fixed contact and a movable contact, said movable contact being carried by one of said springs, and means carried by the arbor and rotatable therewith coacting with the gear to alternately relieve the tension on the springs and for imparting a quick make and a quick break to the contacts through the movable contact carrying spring, the tension relieving means carried by the arbor being adjustable to vary the time interval between the make and break of the switch.

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**2,116,248**
**APPARATUS FOR MAKING CORE BOXES**
**Karl R. Moser, Elizabeth, N. J.**
**Application November 27, 1936, Serial No. 112,909**
**4 Claims. (Cl. 144—2)**

1. In an apparatus of the class described, a pair of guide rails, a plurality of pairs of channelled members slidably mounted on the guide rails, a cross bar supported by one pair of channelled members, transverse shafts rotatably supported by pairs of said members, a platform sup-

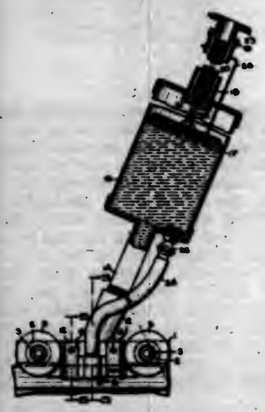
ported by said transverse shafts, a motor mounted on the platform and having a shaft, a longitudinal shaft supported by the platform and by said cross bar, means for driving said longitudinal shaft by the shaft of the motor, means for driving said transverse shafts by the longitudinal shaft, an arm fixed to the longitudinal shaft, a stub shaft rotatably mounted in the free



end of the arm, a first pulley attached to the stub shaft, a cutter attached to the stub shaft, a sleeve rotatably mounted on the longitudinal shaft, a second pulley fixed to said sleeve to rotate therewith, a belt connecting the first and second pulleys, means to rotate the sleeve directly by the motor shaft, and means controlled by the rotation of the transverse shafts to move the channelled members along the guide rails.

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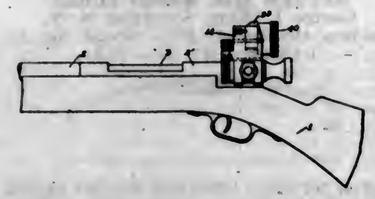
2,116,249
**RAIL LUBRICATOR**
Thomas Albert Sprake Munford, Toronto, Ontario, Canada
Application June 28, 1937, Serial No. 150,689
In Canada May 8, 1937
7 Claims. (Cl. 184—3)



1. In a rail lubricator, in combination, a shoe adapted to be moved longitudinally along the rail and comprising a substantially rectangular frame, spaced apart transverse rollers disposed in such frame, spindles extending freely through the rollers and the side members of the frame and constituting means for journalling the rollers in the frame, discs rotatably and slidably mounted on the spindles exteriorly of the frame and adapted to engage the inner and outer side faces of the rail tread, and resilient means on the spindles for causing the discs to contact the inner and outer side faces of the rail tread irrespective of variations in the width of such rail tread.

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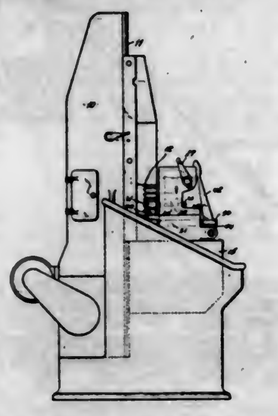
2,116,250
**SIGHT FOR FIREARMS**
Oscar H. Nelson, Fitchburg, Mass., assignor to Iver Johnson's Arms & Cycle Works, Fitchburg, Mass., a corporation of Massachusetts
Application April 9, 1936, Serial No. 73,494
3 Claims. (Cl. 33—56)



1. A sight for fire-arms comprising a base having an arcuate surface for engagement with the barrel or barrel extension of a fire-arm, a supporting member vertically slidable on the base, means for adjusting the relative position of said member and the base, a single clamping screw for holding the base on the fire-arm and for clamping the member against movement on the base, and a sight carried by said member.

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2,116,251
**WORKHOLDER FOR METAL-CUTTING MACHINES**
Bernard P. Schlitz, Cleveland, Ohio, assignor to The Foote-Burt Company, Cleveland, Ohio, a corporation of Ohio
Application January 19, 1937, Serial No. 121,248
8 Claims. (Cl. 90—59)



1. In a workholder, a movable work-engaging member, means to move the work-engaging member into contact with a workpiece, said means including a unidirectional clutch and a wedge arranged to be moved by a part of the clutch in a manner to cause the member to engage the work, an operating member and a resilient connection between the operating member and said clutch part to transmit the movement of said operating member to said part to cause said member to move in a work-engaging direction.

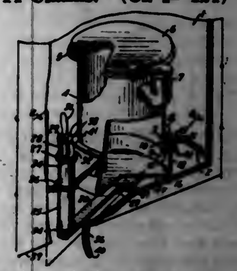


2,116,252
**ALLOYS FOR ELECTRICAL CONTACTS AND ELECTRODES**
Hans Heinrich Schwarzkopf, Reutte, Austria, assignor to N. V. Molybdenum Comp., Amsterdam, Netherlands
No Drawing. Application September 12, 1935, Serial No. 40,262. In Germany September 12, 1934
4 Claims. (Cl. 75—153)

2. An electrically conductive alloy resisting mechanical wear and oxidation, particularly adapted for electrical purposes and as prealloy for electrical material, consisting of about 0.1% to about 10% cadmium, about 0.1% to about 0.5% boron, balance copper.

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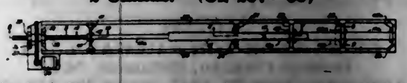
2,116,253
**TOILET**
Edmund Van Buren, Kansas City, Mo.
Application February 20, 1937, Serial No. 126,828
14 Claims. (Cl. 4—124)



1. In a device of the character described, a hollow stool, a removable receptacle normally mounted in sealing engagement with and below said stool, and a lever mechanism for removing said receptacle from engagement with said stool, said lever mechanism having a portion thereof engaged with the receptacle and adapted to move the same laterally to one side of the stool when the lever mechanism is actuated.

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2,116,254
**RESILIENT BUSHING**
Oscar B. Welker, Middletown, Conn., assignor to Albert R. Teare, Cleveland, Ohio, as trustee
Application December 5, 1936, Serial No. 114,449
2 Claims. (Cl. 287—85)

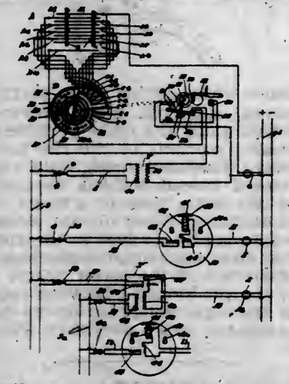


1. A resilient connection having rigid inner and outer members and an intermediate elastic member wherein the intermediate member is introduced into the outer member after it has been reduced by constriction to a substantially uniform outer diameter whereby the intermediate member is confined under tension upon being released between the walls of the rigid members with the stresses distributed uniformly and unidirectionally throughout the length of the intermediate layer.

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2,116,255
**SIGNAL CODE SENDING SYSTEM**
John H. Wheelock, Fitzwilliam, N. H., assignor to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application March 26, 1932, Serial No. 601,345
2 Claims. (Cl. 177—7)

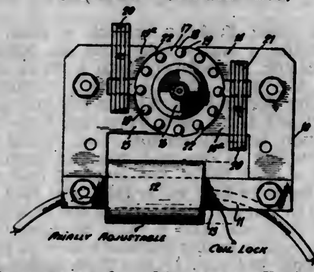
2. In an electrical signal system, the combination with a source of power distribution voltage, a plurality of outlets connected thereto, a first circuit of signal wiring of lower current and voltage capacity than the power circuit, a plurality of outlets connected to the signal circuit, a transformer having its low voltage secondary winding connected to one of said signal circuit outlets and its high voltage primary winding connected to one of the distribution circuit outlets, a coding device providing normally open contacts in series with the primary winding of said transformer, a second circuit of signal wiring of low current and voltage capacity, a plurality of outlets con-



nected to the second signal circuit, a second transformer having its low voltage secondary winding connected to one of the second signal circuit outlets, and its high voltage primary connected to one of the distribution circuit outlets, and a relay having normally open contacts in series with the primary winding of the second transformer and its operating coil connected to one of the outlets of the first signal circuit, with operation of the contacts of said coding device serving to cause energization of all of the outlets of said first and second signal circuits only during the transmission of signal impulses by said coding device.

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2,116,256
**SELF-STARTING MOTOR FOR ELECTRIC CLOCKS AND THE LIKE AND PROCESS OF MAKING THE SAME**
Richard H. Whitehead, New Haven, Conn., assignor to The New Haven Clock Company, New Haven, Conn., a corporation of Connecticut
Application October 9, 1935, Serial No. 44,196
5 Claims. (Cl. 172—278)




1. A process of making a small single phase self starting synchronous motor which comprises constructing a motor having superposed an induction starting field and a locking in synchronous field and then adjusting the distribution of the flux between the various poles of the

said motor to secure a proper balance between the starting flux and the locking in flux.

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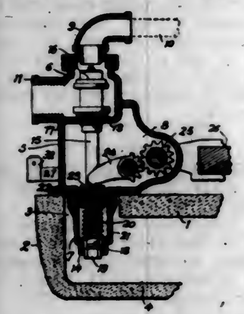
**2,116,257**
**BALANCE WHEEL**
**Hermann Aegler, Bienne, Switzerland**
**Application October 7, 1936, Serial No. 104,512**
**In Switzerland November 21, 1935**
**5 Claims. (Cl. 58—107)**



3. A balance wheel having a rim carrying regulating screws, said rim being provided with spaced recesses along the outer periphery thereof, the recessed portions of the rim having radially directed threaded holes, said regulating screws having a threaded shank engaged in the hole of the rim and a head of a larger diameter than the shank and lodged in said recess in the rim, the length of the recesses in the rim in circumferential direction being considerably greater than the diameter of the screw heads, and the portions of the rim situated between two of said recesses on the outer periphery of the rim being recessed along the inner periphery thereof.

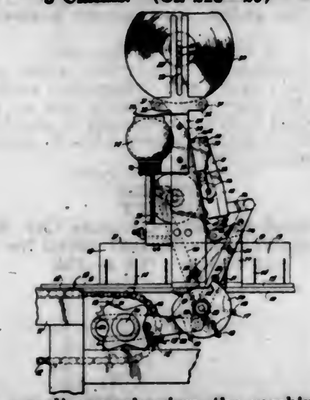
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**2,116,258**
**FLUSHING APPARATUS**
**Daniel P. Barnard, Jr., Wilmington, Del., assignor to Joseph A. Vogel Company, Wilmington, Del., a corporation of Delaware**
**Application April 10, 1936, Serial No. 73,787**
**7 Claims. (Cl. 4—70)**



1. In a closet flushing system, a flush valve casing having a water inlet and an outlet for communication respectively with a water supply pipe and a bowl, a valve normally closing said inlet, a valve normally open when the first-named valve is closed and closed when the first-named valve is open, an anti-siphon valve casing opening horizontally at one end into the flush valve casing at a level below the level of said water inlet and between said water inlet and said water outlet and in communication with the atmosphere at its opposite end, and a valve member in said anti-siphon valve casing normally open in the absence of flow pressure in the flush valve casing to establish communication between said flush valve casing and the atmosphere and movable to a closed position under the influence of either flow pressure or back pressure in the flush valve casing to cut off communication between the same and the atmosphere.

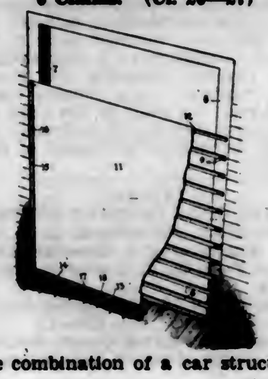
**2,116,259**
**SEALING MECHANISM**
**Leon Benoit, New York, N. Y., and Clifford C. Meth, Tenafly, N. J.; said Meth assignor to said Benoit**
**Application June 8, 1936, Serial No. 84,152**
**5 Claims. (Cl. 216—29)**



1. In a sealing mechanism, the combination of means for advancing an object to be sealed, means for supporting an adhesive strip, devices for feeding a predetermined section of said strip to the object to be sealed with each actuation of the mechanism, a moistening device located at a point between the feeding devices and the means for advancing the object for supplying moisture to a previously unmoistened section of the strip during its advancement to the sealing position, means for severing the advanced section at a point between the feeding and moistening devices, a member adapted to be engaged and have motion imparted thereto by the passage of an object to be sealed, and mechanisms operated by power imparted by said moving member for actuating the strip feeding and severing devices in timed relation to feed the leading end of the strip to a position to secure adherent contact with the advancing object before the severing mechanisms are actuated and to thereafter again feed the leading edge of the unsevered strip to a position below the severing devices in preparation for the next cycle of operations.

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**2,116,260**
**GRAIN DOOR FOR RAILWAY CARS**
**Herbert Corkran, Baltimore, Md.**
**Application June 22, 1937, Serial No. 149,784**
**6 Claims. (Cl. 20—27)**

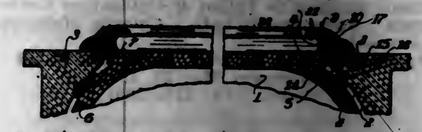


1. The combination of a car structure having a doorway; a grain door comprising a plurality of substantially horizontal spaced straps stretched across the doorway and fastened at their ends to the car structure; a sheet of paper or like material sustained against outward pressure by said straps, the straps acting chiefly in tension; and battens overlying the side and bottom marginal portions of said sheet and connected therethrough to the car structure.



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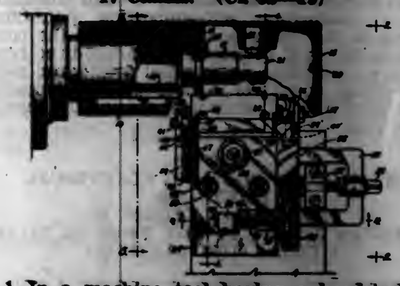
**2,116,261**
**WINDOW SCREEN**
**Herbert I. Fogelberg, St. Paul, Minn.**
**Application August 5, 1937, Serial No. 157,549**
**6 Claims. (Cl. 160—14)**



6. A window screen for mounting in a frameless window opening having a bead on the inner side thereof and having a window pivotally mounted therein; comprising a frame, a spring clip member mounted on said frame to have clip engagement with a bead on said window opening, said frame being formed of a channel of sheet metal continuous throughout its width and having a sealing portion spaced from said clip portion to be engaged by a window pivotally mounted in said window opening to provide a weather tight seal between said bead and said window with said window in a closed position.

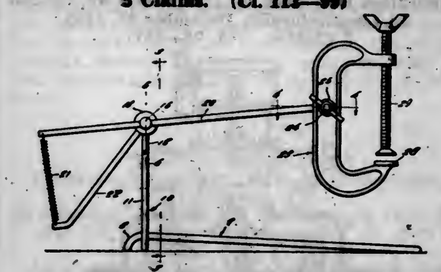
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**2,116,262**
**ATTACHMENT FOR MACHINE TOOLS**
**Bengt Granberg and John B. Sinderson, Rockford, Ill., assignors to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois**
**Application May 8, 1935, Serial No. 20,349**
**17 Claims. (Cl. 82—19)**



1. In a machine tool having a headstock, a spindle projecting therefrom and carrying rotatably therewith in axial alinement an oval cam and a piston to be turned, an attachment for oval turning the piston comprising a supporting plate, a shaft journaled in said plate on an axis extending generally parallel with the axis of the spindle and having integral at each end a radially extending arm, a tool holder mounted on the end of one of said arms, a cam follower mounted on the end of the other of said arms, spring means urging said follower into engagement with the cam, a side plate on each side of said supporting plate, each having a portion terminating opposite the adjacent end of said shaft, a ball thrust bearing interposed between the ends of said shaft and the adjacent side plate, and an adjusting screw in one of said side plates bearing against the ball thrust bearing.

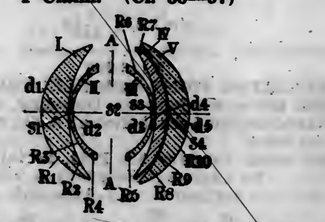
**2,116,263**
**MULTIPLE PURPOSE WELDING JIG**
**William J. Harbaugh, Ashland, Ohio**
**Application March 29, 1937, Serial No. 133,698**
**3 Claims. (Cl. 113—99)**



1. In a structural assemblage of the class described, work holding means comprising a V-shaped support, a pair of arms slidably mounted intermediate their ends on said support and rockable about a horizontal axis, said arms being disposed in opposed parallelism, individual work engaging clamps on one end of the arms, and adjustable mountings for securing the clamps on said arms, counter-balanced means at the other end of the arms and a base engaging the crotch portion of the support to maintain the same in an upright position.

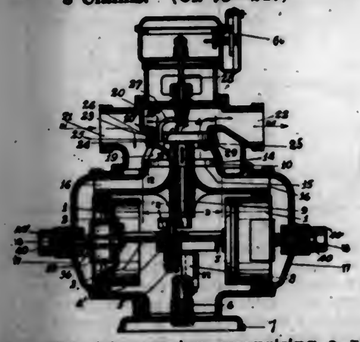
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**2,116,264**
**OBJECTIVE SUITABLE FOR PHOTOGRAPHIC PURPOSES**
**John William Hasselkus and George Arthur Richmond, Clapham, London, England**
**Application June 8, 1937, Serial No. 147,102**
**In Great Britain June 9, 1936**
**1 Claim. (Cl. 88—57)**



An objective lens system comprising two groups of positive and negative meniscal lenses axially spaced apart symmetrically on each side of the diaphragm, the concave surfaces of each lens element facing toward the diaphragm, the positive meniscal lenses being positioned on the outside of the two negative meniscal lenses positioned adjacent the diaphragm, the pair of lenses facing the incident light comprising a positive meniscal lens and a negative meniscal lens axially spaced apart a small fraction of the focal length of the objective as a whole, the group of lenses on the image side of the diaphragm comprising a negative meniscal lens and two positive meniscal lens elements spaced apart a small fraction of the focal length of the objective as a whole, and the two groups of lenses being axially spaced apart on each side of the diaphragm a distance such that the exterior positive meniscal lenses are substantially portions of a bounding spherical surface or are formed from substantially the same centre of curvature, whereby the desired corrections and wide angle of field may be obtained.

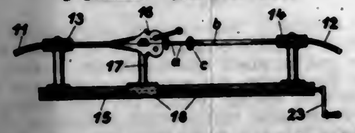
2,116,265
**MULTIPISTON METER**
František Hejduk and Jan Neumann, Prague, Czechoslovakia
Application December 26, 1934, Serial No. 759,293
In Czechoslovakia December 27, 1933
8 Claims. (Cl. 73—247)



1. A multi-piston meter comprising a rotary distributing valve and crank mechanism for driving said valve, a casing for said valve, said valve having the shape of a body of rotation with two parallel seating surfaces disposed perpendicular to the axis of rotation, said valve having inlet and outlet openings in the lower seating surface thereof, said inlet opening being connected by a channel with an opening in the side wall of said valve and said outlet opening being connected by another channel with an opening in the upper seating surface of said valve, said valve being characterized by the feature that the outer diameter $d$ of the upper seating surface bears a relation to the outer diameter D of the lower seating surface according to the equation

$$d=1.25\sqrt{\frac{3}{10}D^2}$$

2,116,266
**INSULATING JOINT FOR ELECTRIC CABLES**
Heinz Horn, Nordenham, Germany, assignor to Norddeutsche Seekabelwerke A. G., Nordenham, Germany
Application January 30, 1936, Serial No. 61,615
In Germany February 4, 1935
4 Claims. (Cl. 173—268)



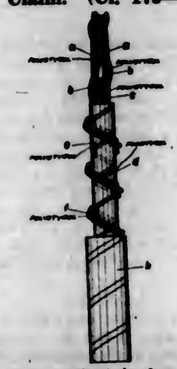
1. A method of producing a seamless joint in the insulation of electric cables which are insulated with thermoplastic substances, consisting in that the two ends of the insulation to be connected together are softened and kneaded together on the conductor.

2,116,267
**CONDUCTOR WITH AIR SPACE INSULATION**
Franz Klimmer, Berlin-Oberschoneweide, Germany, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany
Application November 15, 1935, Serial No. 50,034
In Germany November 15, 1934
5 Claims. (Cl. 172—265)

1. In air space insulated high frequency conductors comprising an inner conductor and an outer surrounding conductor, a distance holder between the said two conductors consisting of a self-sustaining hollow and open helix of an insulating material capable of retaining the helical shape the said two conductors lying outside the said helix.

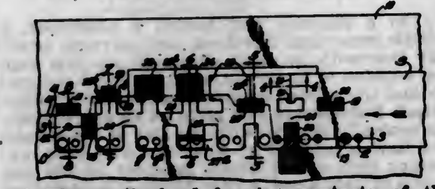


2,116,268
**HIGH FREQUENCY CONDUCTOR**
Franz Klimmer, Berlin-Oberschoneweide, Germany, assignor to Felten & Guilleaume Carlswerk Actiengesellschaft, Cologne-Mulheim, Germany
Application May 28, 1936, Serial No. 82,369
In Germany May 28, 1935
1 Claim. (Cl. 172—265)



A high frequency electrical cable comprising a plurality of conductors twisted together, polystyrol threads wound helically around the individual conductors, self-supporting polystyrol helices in the worming spaces between the conductors, bands of polystyrol laid around the conductors and helices, an external sheath and self-supporting polystyrol helices wound helically around the inner structure, for spacing the sheath therefrom.

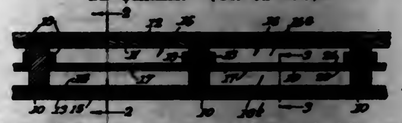
2,116,269
**METHOD OF FORMING ELECTRICAL CONTACTS**
Steven Kobey, Chicago, Ill.
Application January 18, 1937, Serial No. 121,106
5 Claims. (Cl. 29—155.55)



1. The method of forming contacts of the class described from a sheet metal strip comprising arranging a series of punching and forming dies in spaced alignment, the steps in order comprising punching the left side of the strip in what is later one end of the contact, punching out an intermediate portion midway to outline portions of two contacts leaving therebetween an inwardly extending ear, slitting from the right edge of the strip through said ear, notching the left side of the strip, passing a forming die through the punched opening in the intermediate portion to bend down the slitted ear, bending up two slitted portions from the right side of the strip including said ears, bending said portions toward each other, bending the right hand end of the contact about a first line parallel to the edge of the strip, bending the right hand end of the strip about a second line parallel to the first line and at the left thereof so as to space the two end portions of the contact from each other, and severing the last contact from the strip.



2,116,270
**BUILDING STRUCTURE**
Joseph M. Le Grand, Chicago, Ill.
Application September 19, 1932, Serial No. 633,723
11 Claims. (Cl. 72—16)



6. A wall structure comprising studding and facing elements and having one or more air spaces and means disposed within said air spaces and attached to said studding for partitioning the air space into two or more air spaces, said means comprising sheeted non-metallic building material having a thin metal coating on at least one face thereof, parallel to the wall.

2,116,271
**METHOD OF IMPREGNATING A METALLIC MASS OR METAL ARTICLE WITH OTHER METAL**
Frank Leverick, Blaby, near Leicester, England, assignor to Follsain Syndicate Limited, London, England
No Drawing. Application February 18, 1936, Serial No. 64,583. In Great Britain February 20, 1935
2 Claims. (Cl. 148—14)

2. A process for impregnating copper into a mass or article containing iron which consists in mixing calcium nitrate and glycerine with the copper before heating and then heating the mass or article in the presence of such mixture to a temperature within the range of 900° C. to 1000° C.

2,116,272
**ABRASIVE WHEEL**
Arthur William Mall, Chicago, Ill.
Application October 26, 1936, Serial No. 107,612
4 Claims. (Cl. 51—192)



1. An abrasive wheel of the class described, comprising a shaft, a pair of similarly shaped mounting plates secured together and on said shaft, each of said plates having a disc portion and a right angle flange portion, a plurality of transverse, radially disposed grooves in said flange portions and a pneumatic tire mounted on the flange portions of said plates, said tire having its inner periphery formed with transverse radially disposed lug portions complementary to and engaging in the grooves in said flange portions.

2,116,273
**ALUMINIUM ALLOY**
Yonosuke Matuenaga, Naka-ku, Yokohama, Japan
No Drawing. Application November 12, 1936, Serial No. 110,552. In Japan May 13, 1935
1 Claim. (Cl. 75—141)

An aluminium alloy containing 2 to 5% magnesium, 6 to 14% zinc, .3 to 2% copper, .01 to .5% iron, .1 to 1% silicon, the silicon content being always greater than the iron content, .1 to 1% manganese and the rest aluminium.

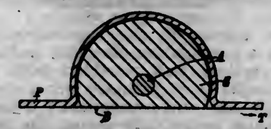
2,116,274
**ALUMINIUM ALLOY**
Yonosuke Matuenaga, Naka-ku, Yokohama, Japan
No Drawing. Original application May 8, 1936, Serial No. 78,723. Divided and this application November 12, 1936, Serial No. 110,553. In Japan May 13, 1935
1 Claim. (Cl. 75—146)

An aluminium alloy containing 2 to 5% magnesium, 6 to 14% zinc, 0.2 to 2% nickel, 0.01 to 1.5% iron, .1 to 1% silicon, the silicon content being always greater than the iron content, .1 to 1.5% manganese and the rest aluminium.

2,116,275
**ALUMINIUM ALLOY**
Yonosuke Matuenaga, Naka-ku, Yokohama, Japan
No Drawing. Application November 12, 1936, Serial No. 110,554. In Japan May 13, 1935
1 Claim. (Cl. 75—141)

An aluminium alloy containing 2 to 5% magnesium, 6 to 14% zinc, 0.2 to 2.5% copper, 0.1 to 2.0% nickel, 0.01 to 0.5% iron, 0.1 to 1.0% silicon, 0.1 to 1.5% manganese, and the rest aluminium.

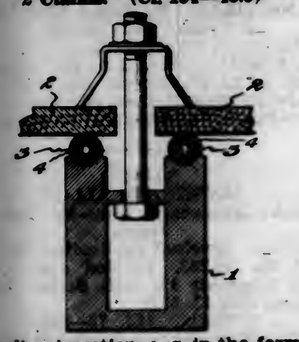
2,116,276
**MEANS FOR STEERING VESSELS**
Robert Fyfe McLeod, Glasgow, Scotland
Application March 4, 1936, Serial No. 67,141
In Great Britain August 2, 1935
1 Claim. (Cl. 114—145)



An emergency steering means for vessels comprising substantially semi-cylindrical recesses in the sides of said vessel, substantially semi-cylindrical bodies housed in said recesses, adapted to be rotated in either direction from the normal position, shafts forming the vertical axes for said bodies, each of said bodies being formed with an outboard plane surface lying flush with the side of the vessel when said body is in normal

position, and means for rotating each body independently of the other in either direction such that said plane surface may be projected outwards at an acute angle to the direction of travel of said vessel in whichever way said vessel may be travelling and always expose a cylindrical surface at the back of said plane surface.

2,116,277
SEALING INSERTION
Gottfried Meerbeck, Cologne-Mulheim, Germany, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany
Application November 24, 1936, Serial No. 112,603
In Germany November 29, 1935
2 Claims. (Cl. 154—45.5)



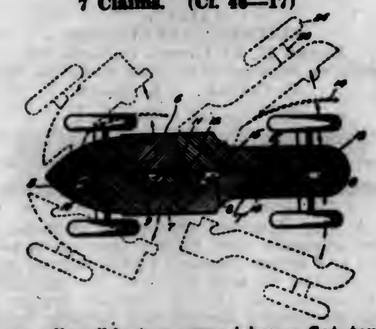
1. A sealing insertion, e. g. in the form of cord or tape, consisting of an outer sheath comprising a substance selected from the group consisting of: polyvinyl chloride, after chlorinated polyvinyl chloride, and mixed polymerisates of vinyl chloride and acrylic acid ester, and a core of tarred hemp.

2,116,278
OIL BURNER
Luke O. Morin, Jr., and Rob Roy Shelton, Chattanooga, Tenn., assignors to Samuel Stamping & Enameling Company, Chattanooga, Tenn., a corporation of Tennessee
Application June 15, 1937, Serial No. 148,388
3 Claims. (Cl. 158—91)



1. An oil burner of the vaporizing pot type, comprising a combustion chamber having a substantially vertical wall provided with apertures for the admission of primary air and having a substantially flat and horizontally disposed bottom extending completely across the lower part of the combustion chamber, an oil distributor ring in the bottom of the combustion chamber and spaced slightly inwardly from the inner wall thereof, said oil distributor ring being provided near its lowermost edge with a plurality of weep holes for feeding oil radially inwardly from a plurality of directions onto the bottom wall of the combustion chamber, certain of the holes for the admission of primary air in the lower wall of the combustion chamber being inclined downwardly and inwardly for directing primary air downwardly and inwardly onto the surface of the oil admitted through said weep holes, and means for supplying oil to the outside of said oil distributor ring.

2,116,279
COLLAPSIBLE OR KNOCK-DOWN TOY
Edward P. O'Donnell, Tulsa, Okla., assignor of one-half to B. F. Kelley, Tulsa, Okla.
Application October 10, 1936, Serial No. 105,130
Renewed October 4, 1937
7 Claims. (Cl. 46—17)



6. A collapsible toy comprising a flat templet having lateral slots formed therein and opening through the opposite sides thereof, a plurality of interfitting separable sections mounted on the templet, certain of the separable sections being provided with angular portions adapted to fit within correspondingly shaped seating recesses formed in adjacent separable sections, outwardly bowed flat springs interposed between the sections, pins depending from certain of the sections and fitting within the slots of the templet, spaced upstanding pins carried by other of said sections, and a movable locking member having parallel grooves formed therein and opening through its outer face for the reception of the upstanding pins for holding the sections in assembled position, said locking member being movable to release position by impact with an object thereby to cause the springs to automatically separate all of said sections.

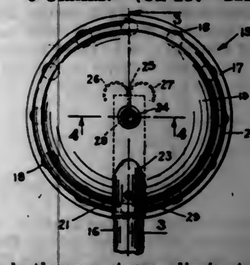
2,116,280
RAZOR
Winfred T. Parkin, Providence, R. I., assignor to Theodore W. Foster & Bro. Co., Providence, R. I., a corporation of Maine
Application June 1, 1935, Serial No. 24,508
15 Claims. (Cl. 30—46)



1. A razor of the class described comprising a blade support, a blade, a retainer normally cooperating with the support in holding the blade in place, an actuating roller rotatably mounted on the support and having its axis of rotation near the plane of the blade, the retainer having an opening through which the upper portion of the roller is exposed for engagement with the flesh of the user of the razor, said roller having a cam portion, said blade having an integral part engaging said cam portion and functioning as a follower so that the blade is reciprocated as the roller is rotated.



2,116,281
BATHTUB STEAM ELIMINATOR
Albert E. Robinson, Torrington, Conn.
Application November 4, 1937, Serial No. 173,749
9 Claims. (Cl. 137—111)



1. In a bathroom steam eliminator, a flat base plate, an upwardly domed cover superimposed over said plate and connected thereto, spaced means to separate the peripheral edges of said plate and cover and provide water-discharge apertures therebetween, a tubular pipe extending through said cover parallel to said base with its inner end disposed adjacent the center of said plates, and means to connect said pipe to a water supply.

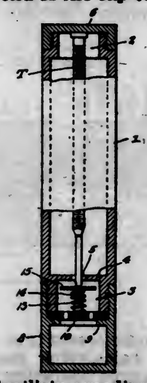
2,116,282
SCRAPER
Charles Romeo, Brooklyn, N. Y.
Application November 30, 1936, Serial No. 113,514
4 Claims. (Cl. 30—171)



1. A scraper comprising a blade, a handle, a head including a substantially U-shaped frame, a jaw provided by the bight portion of the frame, a body mounted for movement in the frame, a jaw included in the body for fitting association and cooperation with the inner face of the first jaw for clamping the blade between said jaws, and means for pivotally connecting the frame and body to the handle and arranged with respect to the latter whereby the jaws are moved toward and away from each other for disposal into and out of blade clamping positions upon swinging movement of the handle on the pivots.

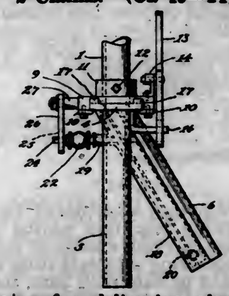
2,116,283
THERMOMETER CASE
Rhombodo Romeigo, West Los Angeles, Calif.
Application June 2, 1937, Serial No. 146,000
1 Claim. (Cl. 206—16.6)

A thermometer case comprising a hollow elongated body having a reduced threaded neck at each end thereof, a perforated partition separating one neck from the body, a cap threaded on said one neck and having a shoulder forming part therein, a perforated member held between the shoulder forming member and the end of said one neck, the shoulder forming member being spaced from the end of the cap to form a chamber



for receiving a sterilizing medium which can pass into the said one neck through the perforations, a valve for closing the opening in the partition, a spring between the valve and the perforated member, and a cap closing the other end of the body and threaded on the neck and carrying the thermometer, the free end of which will open the valve when the last mentioned cap is put in place.

2,116,284
GUIDE AND DEFLECTOR FOR GLASS CHARGES
James W. Ross, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application December 10, 1936, Serial No. 115,207
2 Claims. (Cl. 49—14)

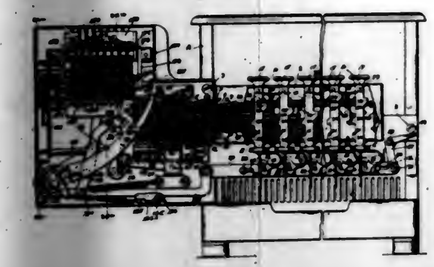


1. Apparatus for delivering glass charges to molds, including a housing, a slide mounted in the housing, a vertical guide member and an inclined deflector member depending from said slide, the slide being reciprocable to bring either the guide member or the deflector member into position to receive glass charges, a cooling jacket provided on the deflector, and means operated by the reciprocable movement of the slide to control admission of cooling medium to the jacket.

2,116,285
CALCULATING ATTACHMENT FOR TYPEWRITERS
Charles H. Sampson, Rochester, N. Y.
Application April 5, 1932, Serial No. 603,365
8 Claims. (Cl. 235—60)

1. A combined typewriting and calculating ma-

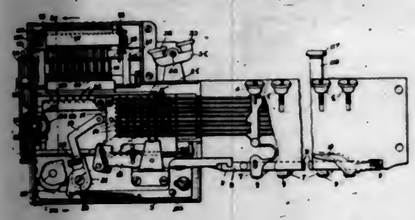
chine having a carriage, a platen carried by said carriage and a type operating mechanism cooperating with said carriage, a calculating mechanism, keys for operating said type operating mechanism and carriage, keys for setting up said calculating mechanism and connecting means for connecting said type operating keys with said calculating mechanism set up keys, to simul-



taneously operate both said type operating mechanism and said calculating mechanism on the operation of said type operating keys, an operating lever for registering each set up on said calculating mechanism and means operated by said operating lever to disengage said connecting means between said type operating keys and calculating mechanism set up keys.

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**2,116,286**
**CALCULATING ATTACHMENT FOR PRINTING MACHINES**
**Charles H. Sampson, Rochester, N. Y.**
**Application May 18, 1933, Serial No. 671,714**
**9 Claims. (Cl. 235—60)**



1. In a calculating attachment for key board operated printing machines having a key controlled carriage carrying a series of settable stops, rack bars cooperating with said stops and counter wheels operated by said rack bars, the combination of a vertical spring suspended slide having said rack bars yieldingly supported thereon, a rocking shaft operated by said carriage on the movement thereof, a disc having a ratchet tooth carried by said rocking shaft, a swinging arm, a latch suspended from said swinging arm and yieldingly held against said disc, a spring pressed pawl carried by said vertical slide and adapted to engage said swinging arm to swing said arm on the downward movement of said vertical slide, locking means for engaging and locking said swinging arm in a predetermined position and means carried by said vertical slide to release said locking means on the upward movement of said vertical slide to permit the return of said swinging arm and have said latch engage said ratchet tooth and rock said rock shaft to return said carriage to its starting position.

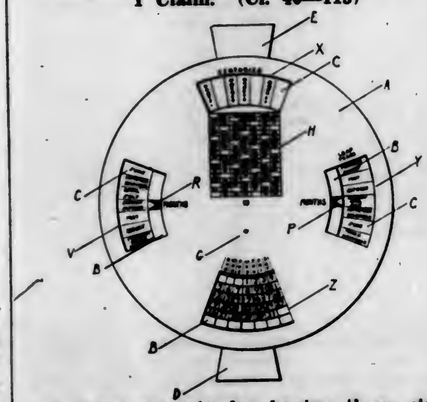
**2,116,287**
**SIGN DISPLAY APPARATUS**
**Ilja Schewelov, Stockholm, Sweden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden**
**Application September 12, 1936, Serial No. 100,555**
**In Sweden March 5, 1934**
**13 Claims. (Cl. 40—53)**



1. In a sign display apparatus, a rotatable shaft, a number of exhibition leaves flexibly attached at one end to the surface of the shaft and adapted to be wound in overlapped relation thereon with their rear faces turned against the shaft, means adapted to first uniformly rotate the shaft in one direction so as to turn over the leaves and select the desired leaf while exposing the overlapped parts of the front faces of the leaves, and means adapted thereupon to turn the shaft in the other direction so as to roll out the leaves and make the front side of the selected leaf visible.

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**2,116,288**
**PERPETUAL CALENDAR**
**Joseph R. Schoenbaum, New York, N. Y., assignor of one-half to Philip Glaberman, New York, N. Y.**
**Application May 18, 1936, Serial No. 80,231**
**1 Claim. (Cl. 40—115)**



A perpetual calendar having three circular discs pivoted on a common central axis, the top disc having four equally spaced apertures near its edge, each aperture one-eighth of a circumference in width and approximately one-third of a radius in length, the top aperture being for the purpose of viewing the first numbers of any year, the left aperture for viewing the months for non leap-years, the right aperture for viewing the months for leap-years, and the bottom for viewing the calendar for any month of any indicated year, this top disc also having upon it an arrangement giving in proper sequence the numbers from 00 to 99 any of which may be indicated in use as the last two numbers of any year desired; the second disc having upon it the numerical arrangement which indicates the numbers of the days of any month, and having a tab for ease in manipulation: the third disc having upon it



the numerical and monthly arrangements to be viewed in the first three apertures mentioned above, and having a tab for ease in manipulation.

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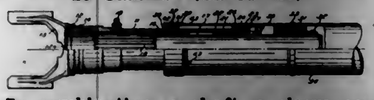
**2,116,289**
**FABRIC, PAPER, LEATHER, OR THE LIKE**
**Thomas Lewis Shepherd, London, England**
**Application March 29, 1935, Serial No. 13,756**
**In Great Britain June 11, 1934**
**3 Claims. (Cl. 91—50)**



1. In apparatus for use in manufacturing elastic fabric, a reservoir for liquid coagulable material, a feed roll partly immersed therein, a printing roll contacting said feed roll, a pressure roll mounted adjacent said printing roll in such a manner as to permit a fabric sheet to pass therebetween, said printing roll having grooves in the periphery thereof, said grooves being substantially V-shaped and the depth of each being substantially equal to the width thereof at the mouth whereby said grooves hold approximately one-third of the liquid material therein by capillary attraction when the exposed surface of the liquid within the grooves engages the fabric sheet.

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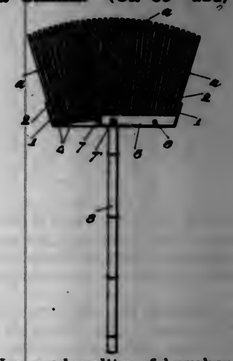
**2,116,290**
**SEALED PROPELLER SHAFT**
**Clarence W. Spicer, Toledo, Ohio, assignor to Spicer Manufacturing Corporation, Toledo, Ohio, a corporation of Virginia**
**Application September 10, 1936, Serial No. 100,190**
**15 Claims. (Cl. 64—23)**



1. In combination, a shaft, a sleeve concentrically disposed about said shaft in spaced relation thereto, means for keying said shaft and sleeve for rotation together and for retaining said shaft and sleeve in concentric relation, and bearing means spaced from said first named means for retaining said shaft and sleeve in concentric relation.

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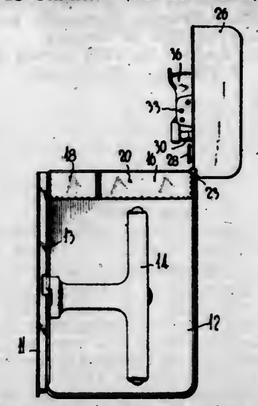
**2,116,291**
**LAWN RAKE**
**Inosuke Tsuchiya, Furecho, Dairi, Moji, Fukuoka-ken, Japan**
**Application May 10, 1937, Serial No. 141,855**
**In Japan September 30, 1936**
**2 Claims. (Cl. 55—114)**



1. In a rake, a plurality of bamboo rake teeth, each of said teeth having a notch adjacent one end thereof, a board having an arcuate shaped edge, means arranged along said edge for spacing said rake teeth, means for securing each rake tooth to one side of said board comprising a U-shaped clip engaging each of said rake teeth within the notch thereof, a second board arranged over the attached ends of said rake teeth, and means for clamping the ends of the rake teeth between said boards.

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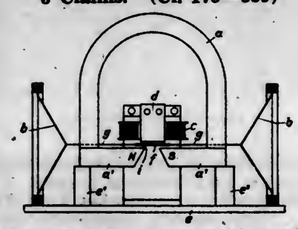
**2,116,292**
**COMBINED CASE AND LIGHTER**
**Frank E. Wakefield, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts**
**Application November 15, 1937, Serial No. 174,686**
**13 Claims. (Cl. 206—41.4)**



1. A case comprising two members hinged together at one side and closed at one end, at the other end a hollow inwardly extending end member attached to one casing member, a hinge member in the hollow end member at its end opposite the first mentioned hinge, a plate carried by the hinge in the hollow end member, a lighter carried by the plate and having a portion adapted to extend into the hollow member and be engaged thereby, and a casing for the lighter carried by the plate forming substantially a complementary extension for the two casing members.

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**2,116,293**
**DEVICE ADAPTED TO LOUDSPEAKERS, TELEPHONES, OR RELAYS**
**Franz Weitkowitz, Osterode, Germany**
**Application July 11, 1933, Serial No. 679,948**
**In Germany July 13, 1932**
**8 Claims. (Cl. 175—339)**

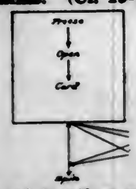


6. In a mechanism for translating alternating currents into mechanical vibrations of a body, a magnetic circuit including a pair of closely spaced, opposed pole elements disposed side-by-side defining a bi-polar face, a second, independ-

ently energized magnetic circuit having a single pole element the face of which spans both poles of said bi-polar face in fixed, closely spaced relation thereto, a fixed winding disposed about one of said magnetic circuits for energizing said circuit in accordance with the alternating current to be translated, said other magnetic circuit being characterized by the presence therein of a constant field, and an armature comprising a vane of electrically conductive material supported for vibratory movement in the space defined by said bi-polar and complementary uni-polar faces, said vane having a lateral spread such as to extend beyond the margins of said uni-polar face.
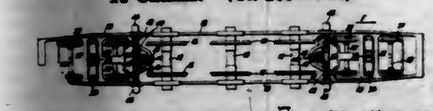
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**2,116,294**
**PROCESS OF TREATING GREASE WOOL**
Rudolph James Wig, San Marino, Calif., assignor to California Process Company, Los Angeles, Calif., a corporation of Nevada
Application August 24, 1936, Serial No. 97,671
7 Claims. (Cl. 19—66)



1. The process of treating wool, consisting in subjecting the wool to a temperature that will refrigerate the wool and congeal the grease on the fibres, and thereafter subjecting the wool to a carding operation while the wool is in a refrigerated condition with the grease congealed thereon.

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**2,116,295**
**RAILWAY VEHICLE**
William E. Woodard, Forest Hills, N. Y.
Application February 1, 1935, Serial No. 4,446
10 Claims. (Cl. 105—174)

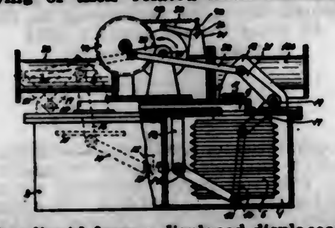


1. In a railway vehicle, the combination, with a main frame, of a wheeled truck, a swiveling center bearing fixed as against lateral and longitudinal movement with respect to the main frame and transmitting weight from the main frame, through a lateral motion mounting, to the truck wheels, a radius bar pivoted at one end to the truck for vertical swinging and having at the other end a radius bar pivot, means for vertically supporting the latter end of said radius bar from the main frame with freedom for longitudinal movement relative thereto, and transversely movable means for laterally fixing and freeing said radius bar pivot with relation to the main frame.

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**2,116,296**
**APPARATUS FOR MEASURING OR DELIVERING LIQUIDS OR GASES**
Arne Zachariassen and Marius Emil Petersen, Copenhagen, Denmark
Application September 17, 1934, Serial No. 744,414
In Denmark September 18, 1933
16 Claims. (Cl. 73—263)

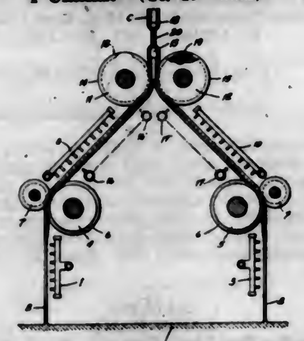
1. An apparatus for measuring fluids comprising fixed chambers, means for alternately filling in the chambers with and emptying the same of a fluid to be measured; displaceable wall chambers within each of the fixed chambers; said displaceable wall chambers being inter-communicating and containing a working liquid, and adapted to be alternately displaced by the filling and emptying of their related fixed chambers; the



working liquid from a displaced displaceable wall chamber passing into a communicating displaceable wall chamber; and means operated by the displaceable wall chambers for indicating the amount of the fluid passing through the fixed chambers; the working liquid having substantially the same coefficient of thermal expansion as the fluid to be measured.

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**2,116,297**
**METHOD OF DRAWING DOUBLE WALLED WINDOWPANES**
George Aurien, Clayton, Mo.
Application June 17, 1937, Serial No. 148,651
4 Claims. (Cl. 49—83.1)



1. A method of producing double walled window panes, consisting of simultaneously drawing from a vat of molten glass two sheets of glass, subjecting the side edges only of each sheet of glass to a heat sufficient to permit said edges to be bent and formed without injury to said sheets, also subjecting each of said sheets of glass at predetermined intervals only to a heat transversely of said sheets, then bringing said sheets into contact with each other at said heated portions to cause cohesion of said sheets at said portions, only and apply pressure at said heated portions sufficient to produce such cohesion.

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**2,116,298**
**STAMPED METAL FLUID HEATER**
Albert P. Ball and William Marshall, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 10, 1935, Serial No. 44,406
3 Claims. (Cl. 122—156)

1. A fluid heater comprising a boiler formed of inner and outer sheet metal stampings having



fluid inlet and outlet ports and having a flue extending longitudinally of the interior thereof, said inner stamping providing a flue lining member forming one wall of said boiler and having longitudinal corrugations to increase its surface contact with gases in said flue and the fluid in said boiler, and said inner stamping having a



pair of longitudinally extending cooperating flanges projecting outwardly in flatwise abutting relation into contact with and secured to said outer stamping to provide a longitudinal baffle for the boiler, and a heating member disposed adjacent said flue and adapted to discharge heated products of combution therethrough.

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**2,116,299**
**HOSE COUPLING**
Clyde E. Bannister, Akron, Ohio
Application February 4, 1937, Serial No. 123,969
2 Claims. (Cl. 285—87)

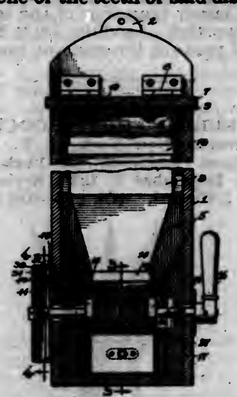


1. A hose-coupling assembly comprising a sleeve adapted to surround the hose, a plurality of circumferential series of pawls within the sleeve and means engaging the rear-most series of pawls for forcing a plurality of the series of pawls toward the end of the hose, the pawls of one series having cam-action engagement with those of the next series for forcing them against the hose in their forward movement.

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**2,116,300**
**AIRTIGHT COFFEE CONTAINER**
Louis H. Campos, New York, N. Y.
Application May 25, 1937, Serial No. 144,635
2 Claims. (Cl. 221—106)

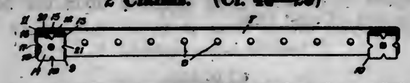
1. A container for coffee comprising a receptacle, a measuring valve at the bottom of said receptacle, means actuated by said valve for indicating the number of batches of coffee left in the receptacle, said means comprising a casing having an inturned flange, graduations positioned on said flange arranged in a circle, a rotatable disk positioned adjacent said flange formed with a pointer positioned to point at said graduations, said disk on one face at the periphery being formed with as many teeth as said graduations are provided with division marks, a ring having a cutaway part overlapping said disk and acting with said flange for holding said disk in place, said cutaway part exposing a few teeth of said disk, a shaft secured to and rocked by said valve, a pawl rigidly secured to said shaft and positioned to move over one face of said ring, said pawl having a spring provided with an extension adapted to move through said cutaway part of said ring and engage one of the teeth of said disk and move



the disk the distance of one tooth on each actuation of the pawl, and a second pawl for preventing momentum in said disk.

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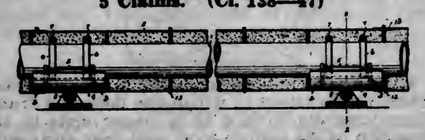
**2,116,301**
**BUILDING TOY**
James M. Champlin, South Coventry, Conn.
Application January 23, 1937, Serial No. 121,920
2 Claims. (Cl. 46—28)



1. A building toy including a bar formed from flat material having at the end a double bent back end structure formed with inner and outer clamping sections, said outer clamping section having a centrally positioned notch in each side, one of said notches having material pressed inwardly to form a V-shaped stop.

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**2,116,302**
**FLUID CONDUCTING LINE**
Frank E. Chernosky, Newgulf, Tex.
Application May 4, 1936, Serial No. 77,651
5 Claims. (Cl. 138—47)



1. In combination a fluid conducting pipe, a shield therearound and spaced therefrom, an arcuate base of relatively thick material within the shield and underneath the pipe, spaced arcuate flanges secured on the base and forming legs on which the pipe rests, flexible tie members connected to the flanges and detachably secured around the pipe.

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**2,116,303**
**MINERAL WOOL COMPOSITION**
Harold T. Coss, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 28, 1934, Serial No. 755,250
6 Claims. (Cl. 106—36.3)

1. Mineral wool comprising silica, alumina, alkaline earth metal oxide, and sodium oxide, the

proportion of silica being 8 to 10 times that of the alumina, the proportion of alkaline earth metal oxide being larger than that of the sodium oxide, and the proportion of sodium oxide being 5 to 11 parts to 100 parts of the mineral wool.

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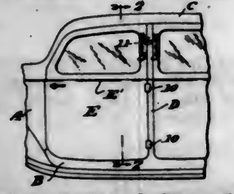
2,116,304
**RUBBER SHUTTLECOCK**
George Crespin, New York, N. Y., assignor to Abraham Goldstein, New York, N. Y.
Application December 2, 1935, Serial No. 52,549
3 Claims. (Cl. 273—106)



1. A shuttlecock device comprising a resilient hollow open ended frame, a contractible shoulder arranged thereon, a feather retaining shoulder arranged on the frame, a plurality of feathers extending divergently from the shoulder and an encircling ring adjustably arranged on the frame, the divergence of said feathers to the shoulder adapted to be selectively changed upon the adjustment of said ring.

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2,116,305
**DOVETAIL**
William C. Devereaux, Detroit, Mich.
Original application January 28, 1935, Serial No. 2,715. Divided and this application April 2, 1936, Serial No. 72,236
9 Claims. (Cl. 296—44)

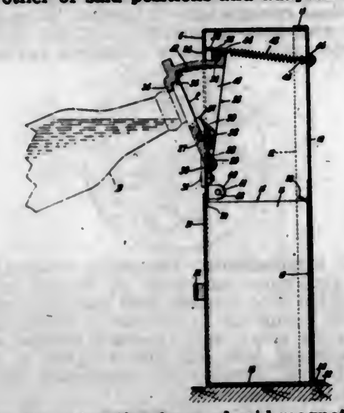


1. In a vehicle body including a door and door frame construction in which the door and frame slope inwardly toward their upper ends in the direction of the vehicle roof; said door and frame having vertically spaced cooperating hinge members for supporting the lower section of the door, and a dovetail device having cooperating male and female parts carried by the opposed jamb faces of the door and door frame at the hinged edge of the door for supporting the upper section of the door when the door is in closed position.

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2,116,306
**BOTTLE OPENER**
Felix Joseph Dziembowski, Pocasic, N. Y.
Application June 15, 1937, Serial No. 148,271
5 Claims. (Cl. 65—46)

3. A bottle cap removing device including a support, cap collecting means associated therewith, a decapper adapted to engage a bottle cap, a permanent magnet on said decapper for temporarily retaining a cap in said decapper, means movably mounting said decapper on said support for movement between two positions, and means operable for snapping said decapper from one to the other of said positions and adapted to overcome the attractive force of said magnet tending to retain said cap to eject a removed cap from said decapper and deposit it in said cap collecting means after said decapper has removed the cap from a bottle.



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2,116,307
**STEERING DEVICE FOR AUTOMOBILES**
William H. Furness, East Riverton, N. J.
Application May 6, 1935, Serial No. 19,951
6 Claims. (Cl. 74—499)



1. In a steering mechanism an actuating member having cam faces, means for moving the actuating member, a rocker shaft, and a compensating member movable crosswise of the shaft and having a part slidably engaging the cam faces to receive rocking movement therefrom and a part engaging the rocker shaft to effect rocking thereof.

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2,116,308
**BEVERAGE PREPARATION**
Herbert C. Gore and Charles N. Frey, Scarsdale, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application January 30, 1934, Serial No. 706,968
4 Claims. (Cl. 99—71)

1. A process for the preparation of a coffee extract, which comprises mixing water with an extraction residue of finely ground roasted coffee, the amount by weight of the coffee from which the extraction residue was prepared being about 0.5 that of the water, heating said mixture at a temperature of about 90° C. to about 95° C. for from 3 to 5 minutes, filtering with the aid of suction whereby the liquid is obtained as a filtrate, mixing fresh finely ground roasted coffee with the filtrate so obtained, the amounts by weight being in the ratio of about 1:2, heating said mixture at a temperature of about 90° C. to about 95° C., for from 3 to 5 minutes, and then filtering with the aid of suction and cooling.



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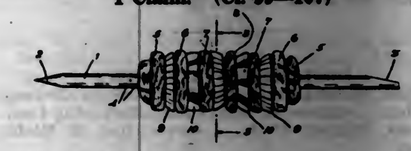
2,116,309
**COIN CHUTE**
Clyde B. Gorton, Chicago, Ill., assignor to C. B. McClellan, Chicago, Ill.
Application February 12, 1936, Serial No. 63,536
14 Claims. (Cl. 194—102)



10. A coin chute including a frame providing a guide channel of substantially square cross section, a slide of similar section seated in said guide for reciprocatory movement, and having a transverse coin pocket opening into opposite sides thereof, a releasable presser member on said slide and operable to hold a coin in said pocket for transport by said slide, together with gauge means normally latching said slide against movement and operable by a coin in said pocket to release said slide for movement, and means engaged by said presser member for releasing the same when said slide and a coin therein are moved a predetermined distance past said gauge means.

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2,116,310
**ARTICLE OF FOOD**
Holman Harvey, New York, N. Y.
Application August 18, 1936, Serial No. 96,603
1 Claim. (Cl. 99—107)

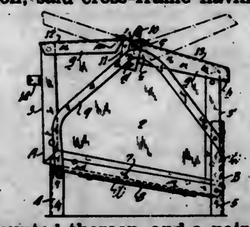


An article of food comprising a rod of cellulosic material having a porous structure, said rod being substantially a non-conductor of heat, a plurality of relatively small pieces of meat impaled on said rod and substantially in contact with each other on the central portion of said rod, said rod being of wood and the article having been broiled, openings in said rod, condiments contained in said openings, the broiling operation causing said condiments to become dispersed within said pieces of meat, whereby the wood flavor enters the meat and vice versa, while the ends of said rod remain sufficiently cool so as to be capable of being held in the hands.

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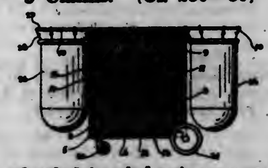
2,116,311
**GARBAGE RECEPTACLE**
Henry Hefty, St. Louis, Mo.
Application May 22, 1935, Serial No. 22,717
3 Claims. (Cl. 248—124)

3. A garbage receptacle comprising a skeleton-frame having an open front for receiving a flat-bottomed flat-sided container-shell, said frame also having an inclined bottom sloping downwardly away from the front portion thereof, a cross-frame pivotally mounted transversely across the upper portion of the frame at a point substantially in a vertical line passing through the center of gravity of the frame when the shell is in position, said cross-frame having a handle member mounted thereon, and a pair of opposed upwardly swingable lids for closure-wise engagement respectively with the forward and rearward top portions of the shell, said rearward closure-forming member being substantially heavier than the forward member for causing the entire cross-frame and associated closure structures to pivot on the frame as the shell is removed.
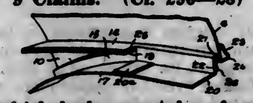


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2,116,312
**WHEELED TRUCK**
George Bonnell Hellett, Saskatoon, Saskatchewan, Canada
Application April 6, 1935, Serial No. 15,069
3 Claims. (Cl. 280—50)



1. In a wheeled truck having an upright body enclosed at both sides and ends, and a tray in the bottom thereof, a smaller tray supported level with the top of said body and less than the width thereof so that it lies spaced from one side thereof and a pair of co-operating rods spaced out from that side of said body from which said smaller tray is spaced.

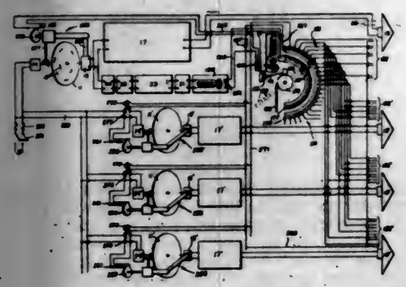
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2,116,313
**VEHICLE BODY**
Everett E. Lundberg, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application November 16, 1935, Serial No. 50,217
9 Claims. (Cl. 296—28)



1. In a vehicle body, a metal roof panel pressed to provide a door rabbet and jamb along the upper margin of a side wall opening, a side panel in rear of said opening, and a separate drip molding, said panels and drip molding having inwardly directed superimposed flanges of approximately a corresponding width forming three thicknesses of metal welded together, and said molding flange along the upper margin of said opening being cut and shaped to conform at least in part to said rabbet and welded thereto.

2,116,314
**CONTROLLING AND SOUNDING APPARATUS**
John Elliott Jenkins and Samuel E. Adair, Chicago, Ill., assignors, by mesne assignments, to Jenkins & Adair, Inc., Chicago, Ill., a corporation of Illinois
Application September 23, 1933, Serial No. 690,656
13 Claims. (Cl. 179—100.3)



1. The combination with a record having a device operating frequency component, means for operating said record to cause it to repeat itself, of a cyclically operable device, and means responsive to said component of the record for repeatedly initiating the actuation of said device in synchronism with the operation of said record.

2,116,315
**SHELF EDGING**
Edward Karfiel, Great Neck, N. Y.
Application September 15, 1937, Serial No. 163,899
15 Claims. (Cl. 41—10)



1. A shelf edging comprising a back ply, a front ply and an intermediate ply, the back ply being provided at its upper edge with an extension to be folded over the upper edge of the front ply and secured to the front face of the front ply and said intermediate ply terminating at its upper edge short of the free edge of said folded extension, with said extension and the front ply and the back ply all being in face abutting relation above the upper edge of the intermediate ply.

15. A shelf edging comprising a front ply, a back ply and an intermediate ply, the front ply being provided with an extension folded over the upper edge of the back ply and secured in face abutting relation to the back face of the latter ply, and the intermediate ply terminating at its upper edge short of the free edge of the extension.

2,116,316
**COIN SLOT FOR COIN-CONTROLLED MACHINES**
Victor Longarzo, Lynbrook, N. Y., assignor of one-half to Samuel Hourmouzes, New York, N. Y.
Application June 5, 1936, Serial No. 83,633
1 Claim. (Cl. 194—55)



A coin slot device which comprises front and rear plates, spacer bolts separating said plates, a slide plate sliding on the spacer bolts, springs resisting the movement of the slide plate toward the front plate, a plunger member mounted on the slide and journalled in the front plate and extending partly therebeyond, said plunger having a coin slot therein normally disposed just outside the front plate, a lip on the front plate disposed just below the coin slot when in normal position, a spring disposed between the plunger and the rear plate to resist forward movement of the plunger, said plunger having a groove therein, a latch member mounted on the front plate and having a foot bearing in the groove, a spring pressing said latch into the groove and strong enough to prevent the lifting of the latch from the slot whenever non-metallic material is disposed in the coin slot, said plunger adapted to be retracted to move the coin slot beyond the lip whereby it can be fully exposed to view and cleaned out when clogged up.

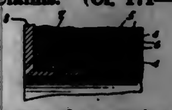
2,116,317
**DOME LIGHT ASSEMBLY**
William Marshall and Paul M. Camiener, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 28, 1936, Serial No. 82,331
7 Claims. (Cl. 240—7.35)



1. A dome light assembly comprising a metal reflector having spaced depending supporting members formed from the metal of said reflector, a slotted sleeve portion integral with and disposed centrally of said reflector and providing a socket for a lamp bulb, and a globe having spaced integral lugs provided with wedge-shaped slots for receiving said supporting members to removably support said globe in spaced relation to said reflector.
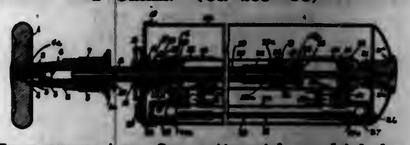


2,116,318
**ELECTRICAL EQUIPMENT**
John B. Miles, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 31, 1935, Serial No. 33,930
5 Claims. (Cl. 171—286)



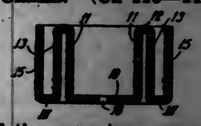
1. In the process of preparing electrical coils, the step of applying a mixture of a monomeric and polymeric methacrylate esters to said coils.

2,116,319
**FIRE EXTINGUISHER**
Jacob Preston Miller, New York, and Frank Delavan, Woodside, N. Y., assignors to Empire Fire Equipment Manufacturing Company, Inc., Long Island City, N. Y., a corporation of New York
Application March 17, 1934, Serial No. 716,095
Renewed March 23, 1938
1 Claim. (Cl. 299—86)



In a pump type fire extinguisher which has a casing and a bushing located in an end wall of said casing and which has a reciprocating plunger movably mounted in said bushing, a stopper member mounted on said plunger and movable relative to said plunger, said stopper member being shaped and adapted to close the outer end of said bushing, said stopper member being movably connected to said plunger in a liquid-tight and air-tight manner by a metal bellows member.

2,116,320
**BELL**
Carl M. Miller, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application December 29, 1934, Serial No. 759,727
2 Claims. (Cl. 116—148)

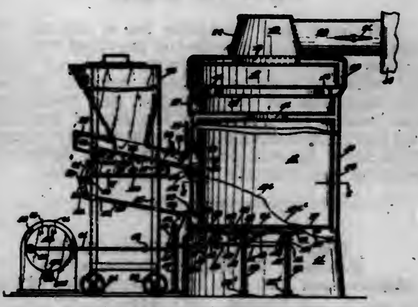


1. A bell of the gong type comprising a cup-shaped body portion having a surrounding wall portion folded and refolded back upon itself through the major portion of the depth of said cup-shaped portion, said cup-shaped portion having a width appreciably greater than the width of each of the folds of the wall portion providing for relatively deep tones in a compact bell.

2,116,321
**SUBSTANTIALLY INSOLUBLE INK DRIER AND METHOD OF PRODUCING THE SAME**
Arthur Minich, Newark, N. J., assignor to Nuodex Products Co., Inc., a corporation of New York
No Drawing. Application May 22, 1935, Serial No. 22,726
9 Claims. (Cl. 134—57)

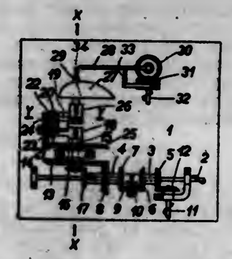
1. As a new article of manufacture, an ink drier comprising a powder of precipitated hydroxy drying metal salt of naphthenic acid and which powder is substantially insoluble in water and drying oils at a temperature below the decomposition temperature of said salt.

2,116,322
**FURNACE**
Andrew C. Muir, Lansdowne, and William C. Griffiths, Narberth, Pa.
Application August 29, 1936, Serial No. 98,570
20 Claims. (Cl. 110—33)



2. A furnace having fire and ash compartments and a composite floor between the compartments comprising a grate shiftable back and forth and normally supporting the main body of the fuel, and structure sealing against the back edge of the grate in the back position thereof and leaving a by-pass opening between the structure and the grate in the forward position thereof and sealing the side and forward portions of the grate in both positions thereof and thermostatically controlled means for shifting the grate back and forth to determine respectively high and low rates of combustion, said thermostatic means holding the grate in its forward position as long as combustion is to proceed at a low rate, and holding the grate in its back position as long as combustion is to proceed at a high rate.

2,116,323
**CAMOID GEARING**
Karl Papello, Jena, Germany, assignor to the firm of Carl Zeiss, Jena, Germany
Application November 10, 1937, Serial No. 173,676
In Germany November 27, 1936
4 Claims. (Cl. 74—1)



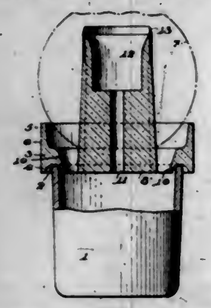
1. Camoid gearing, comprising a camoid rotatable about two axes, a feeler displaceably disposed, and means for guiding the feeler along a predetermined path, the feeler being in contact with the camoid.

2,116,324
**DOME LIGHT ASSEMBLY**
Alvin W. France, Pleasant Ridge, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 23, 1936, Serial No. 70,354
7 Claims. (Cl. 240—7.35)



1. A dome light assembly for a vehicle body, comprising a domed reflector provided with projecting lugs, a lamp assembly mounted within the reflector, a globe or shield member covering the open side of the reflector, and interrupted ribs located inwardly from the rim of the shield and having a continuous internal undercut groove engageable by said reflector lugs for detachably securing the reflector and shield together.

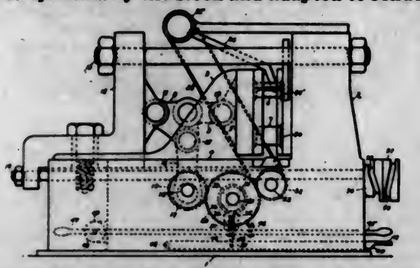
2,116,325
**ORANGE JUICE EXTRACTOR**
Robinson W. Rogers, Orlando, Fla.
Application July 10, 1936, Serial No. 89,950
2 Claims. (Cl. 146—3)



1. A fruit juice extractor, comprising a central, imperforate, upwardly extending, vitreous portion having a substantially cylindrical external surface provided with longitudinally extending substantially parallel ridges, and with a centrally positioned radially large, substantially cylindrical cavity adapted to receive a fruit core, pulp and seeds, and said cavity having a restricted drainage bore, to prevent such fruit core, pulp and seeds escaping from said cavity downwardly, a cylindrical cutting element carried by the outer end of said central portion and surrounding said cavity, the entrance of which cavity tapers inwardly from said cutting element, and an annular apertured flange adapted to rest upon a vessel, in turn adapted to receive juice through said bore and the apertures of said flange.

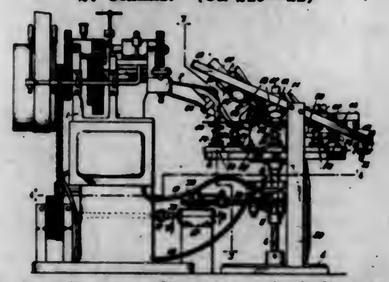
2,116,326
**PUNCH PRESS**
Otto E. Seiffert, Union, N. J.
Application November 17, 1936, Serial No. 111,214
16 Claims. (Cl. 29—34)

1. A punch press comprising a bolster and a ram, means to reciprocate the ram against the bolster, a driving member adapted to operate the reciprocating means, an electromagnetic means to render the reciprocating means inoperative, dies on the bolster, means to feed stock into the dies, and a plurality of contact members adapted to be operated by the stock and adapted to render



the electromagnetic means operative when the progress of the stock deviates from normal.

2,116,327
**MACHINE FOR TEMPERING SPRINGS**
Charles R. Simmons, Chicago, Ill., assignor to Nachman Spring-Filled Corporation, Chicago, Ill., a corporation of Illinois
Application May 8, 1935, Serial No. 20,432
Renewed October 5, 1937
27 Claims. (Cl. 219—11)



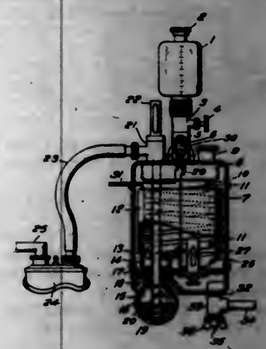
1. A spring annealing means including a carrier for a coiled spring comprising an electrically non-conductive member adapted to engage within a coiled spring for holding the same in a predetermined position, an electric contact member positioned relatively to said first-named member for engagement with a substantially predetermined point in a terminal end coil of the spring spaced from the extremity thereof and constituting a support for the spring, a second contact member similar to the first-named member for similar engagement with the other terminal coil of the spring and movable into and out of engagement therewith, a source of electrical energy connected with said contact members and means whereby the electric circuit between said contact members is closed through a spring engaged therebetween when said contact members are both engaged with said spring.

2,116,328
**METHOD AND DEVICE FOR HUMIDIFYING MIXTURES FOR NARCOSIS**
Ernst Silten, Berlin, Germany
Application December 10, 1935, Serial No. 53,707
10 Claims. (Cl. 128—192)

3. An apparatus for use for narcosis or inhalation purposes comprising a device for feeding a vaporizable organic liquid in predetermined amounts, means for mixing the same with air, an element for heating said mixture and means for introducing moisture into said mixture including a body of water and means for causing



the preheated gaseous mixture to pass over the surface of the same and a temperature regulator



responsive to the temperature of said mixture for maintaining the temperature of said mixture constant.

2,116,329
**SASH BALANCE**
Robert E. Sturman, Minneapolis, Minn.
Application November 30, 1936, Serial No. 113,345
4 Claims. (Cl. 16—201)



1. A sash balance for a window having a frame and a sash slidable in the frame, a pair of toothed racks secured to the frame adjacent opposite sides of the sash, a shaft journaled to the sash and extending transversely thereof, pinions mounted on the ends of the shaft and meshing with the respective racks, a collar on the shaft, a torsion spring encircling the shaft with one end secured thereto and with the other end secured to the collar, an arched shield overlying the shaft and having an arcuate slot extending transversely thereof in line with the collar, said collar having a circumferential series of radial sockets therein adapted for selective reception of a peripherally projecting pin positionable therein through the arcuate slot in the shield for securing the collar in rotatably adjusted positions by engagement with an end wall of the slot for holding the shaft under the desired tension afforded by the torsion spring.

2,116,330
**DOOR AND BODY CONSTRUCTION**
John Tjaarda, Birmingham, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application November 27, 1933, Serial No. 699,895
13 Claims. (Cl. 296—28)

1. An automobile body having a side wall, a floor structure, and a roof extending angularly from said wall, said wall having an opening therein and a stationary frame around said opening, and a horizontally swinging door complementary to said opening and provided with an inwardly inclined window frame having the major portion thereof at the inner side of a longitudinal vertical plane passing through the base of the door, said door being pivotally mounted upon said floor structure independently of said



wall to swing on a vertical axis adjacent said plane.

2,116,331
**BOX END**
Elwood I. Tripp, Seattle, Wash., assignor to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington
Application April 20, 1935, Serial No. 17,377
2 Claims. (Cl. 217—17)



1. A preformed box-end or the like comprising a plurality of pieces of wood disposed side by side so as to present an exposed surface, a groove in said surface extending transversely of the pieces, and a wooden uniting member in said groove and having a portion extending externally of said groove so that it projects beyond said surface and including a projection extending laterally to the edge of the article so as to provide a corner therefor, the lateral portion being glued to the face of the assembly.

2,116,332
**METHOD FOR BLEACHING COTTON AND ANALOGOUS TEXTILE FIBERS**
Hugo Weiss, Augsburg, Germany
No Drawing. Application June 29, 1934, Serial No. 733,116. In Germany July 10, 1933
1 Claim. (Cl. 8—2)

A method of bleaching cotton and analogous textile fibers which consists in first treating said material with an intensively acting alkaline bleaching bath of an agent capable of splitting off oxygen containing caustic alkalies, thereupon subjecting the bleached goods to a boiling process and finally to a second bleaching process in a chlorine bleaching bath.

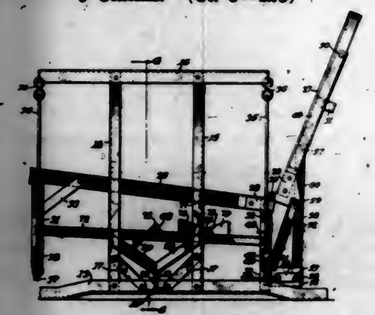
2,116,333
**PRESERVATION OF RUBBER**
Ira Williams, Woodstown, and William A. Douglass, Penns Grove, N. J., and Arthur Merrill Neal, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 25, 1932, Serial No. 639,478
26 Claims. (Cl. 18—50)

3. The method of preserving rubber which

comprises incorporating therein an N,N' di-substituted 2:7-naphthalene diamine in which each substituent is a benzene ring having a ring carbon atom thereof directly bonded to the nitrogen, each of said benzene rings containing as the sole substituent a radical selected from the group of hydroxy, alkyl and alkoxy radicals.

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2,116,234
GLIDER
Edward E. Woller, Don Carlos Travis and Matthew F. Bayer, Kenosha, Wis., assignors to Simmons Company, New York, N. Y., a corporation of Delaware
Application July 5, 1934, Serial No. 733,748
9 Claims. (Cl. 5—126)



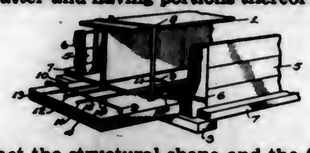
1. In a glider of the class described, the combination of hingedly connected seat and back rest sections which are adjustable from angularly related glider position to substantially coplanar bed position, an arm extending endwise from said seat section and adapted to engage means for supporting said seat and back rest sections, said arm being connected to the seat section so as to be fixed transversely of the section and vertically adjustable relative thereto, and means for effecting upward adjustment of the hinged side of the seat section to bed position as an incident to the adjustment of the back rest section to said bed position, said means comprising a strut pivoted at its ends respectively to said vertically adjustable arm and to said back rest section in spaced relation to the axis of the hinged connection between the seat and back rest sections.

6. In a glider of the class described, a seat section and a back rest section hingedly connected together so as to permit said back rest section to be lowered from an upright glider position to a horizontal bed position, means including a stationary structure for supporting said seat and said back rest sections for swingable movement when those sections are in the glider position, and means actuable by the lowering of said back rest section to bed position to interlock said supporting means and said hingedly connected seat and back rest sections.

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2,116,235
WRAPPING FOR STRUCTURAL SHAPES
George B. Bosco, Chicago, Ill.
Application June 1, 1937, Serial No. 145,732
7 Claims. (Cl. 72—109)

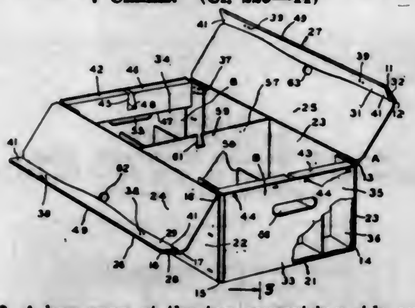
1. A reinforcing wrapping for application to a structural shape within a temporary form, comprising a transverse reinforcing bar adapted to lie between the shape and one of the form sides, and a separately formed spacer locked to said transverse bar against displacement crosswise of the latter and having portions thereof adapted



to contact the structural shape and the form for spacing said bar from both the shape and the form.

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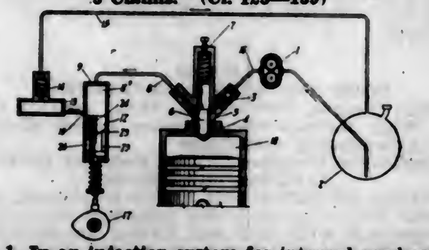
2,116,236
BOX
Paul F. Boeye, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application July 22, 1936, Serial No. 91,903
7 Claims. (Cl. 229—44)



3. A box open at the top comprising side and end walls and a bottom connected therewith, a cover for the box comprising cover flaps hinged to two opposite walls of the box and extending substantially in a common plane when in closing position to effect a closure for the box, cleats secured to the other walls of the box said cleats having dovetailed slots therein and means on said cover flaps for engagement with the walls of said slots to hold the cover flaps in closed position.

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2,116,237
PROCESS AND APPARATUS FOR THE COOLING OF FUEL ATOMIZERS
Johannes Jan Broese, Delft, and Gerrit van Willigen, The Hague, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 15, 1937, Serial No. 148,314
In the Netherlands June 22, 1936
3 Claims. (Cl. 123—139)



1. In an injection system for internal combustion engines the combination comprising: a fuel nozzle for injecting fuel into an engine cylinder, a fuel feed pump for continuously pumping fuel through the body of said nozzle, a pressure operated valve for controlling the flow of fuel from said nozzle to the engine cylinder, a conduit connecting said fuel pump to said nozzle body and a fuel injection pump for controlling the operation of said pressure operated valve by forcing fuel toward said fuel injection nozzle connected to said nozzle body by a second conduit, said second conduit and pump normally forming a path for the fuel to flow during non-injection periods after it passes through the nozzle body.



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2,116,238
METHOD OF FORMING A SEAL
Winfred M. Brooks, West Orange, N. J.
Application August 4, 1936, Serial No. 94,139
2 Claims. (Cl. 29—168)



1. The method of forming a seal which consists in: inserting a compressible member, having an imbedded shackle member, into a cup-member, composed of sheet-material, with a portion of said compressible member and with said shackle-member projecting above the rim of the cup-member; slightly compressing said compressible member to prevent it from being disengaged from said cup-member; then threading the shackle-member back through the body of compressible material; and thereafter compressing the compressible material to fill the cup-member.

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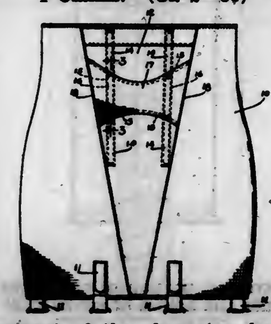
2,116,239
CURTAIN
Elliott C. Carter, Westport, Conn.
Application May 11, 1936, Serial No. 79,024
4 Claims. (Cl. 156—16)



4. A curtain of interlaced strands including portions superposed by folding over a section transverse of the curtain at the upper end thereof; a pair of transversely extending bars of reinforcing material in each of said superposed portions, spaced longitudinally of the curtain and formed integral therewith, composed of strands more closely interlaced than the adjacent strands, each of said transverse bars in one of said superposed portions overlying a corresponding transverse bar in the other of said portions; lines of stitching securing together said corresponding bars in said superposed portions to define a pocket transverse of the curtain for the positioning therein of a curtain support; and a section intermediate the pairs of bars in the superposed portions forming a heading.

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2,116,240
GARMENT
Franklin Chatfield, Minneapolis, Minn., assignor, by mesne assignments, to Munsingwear, Inc., Minneapolis, Minn., a corporation of Delaware
Application February 4, 1935, Serial No. 4,910
4 Claims. (Cl. 2—36)



1. A garment of the character described including a body portion having therein an insert arranged at the middle front portion of the body, a pair of longitudinally extending bone pockets and bones therein carried by the insert, and arranged in the upper part only of the insert, one at each side of the midline of the insert, each pocket being cut away intermediately to expose a part of the bone, and a shield transverse to and covering the exposed parts of the bones and fastened only by opposite ends to said insert at points laterally of the bones.

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2,116,241
ADHESIVE COMPOSITION AND A COVERING STRUCTURE HAVING AN ADHESIVE COATING
William B. Coleman, Bloomfield, N. J., assignor to Congoleum-Nairn Inc., a corporation of New York
No Drawing. Application November 16, 1935, Serial No. 50,158
5 Claims. (Cl. 134—33.91)

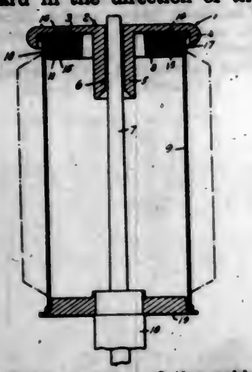
1. An adhesive material adapted to be applied as the bonding material for bonding a covering structure of the character herein described to the surface of floors, walls or the like, said adhesive material consisting substantially entirely of a mixture of an organic binder and plastic or semi-plastic clayey material and sufficient water to render the mixture spreadable, said binder comprising concentrated molasses residue resulting from distillation of fermented molasses in such proportion that in said mixture there are about 5 to 8 parts of said clayey material (dry basis) to 6 parts of said concentrated molasses residue (solids basis).

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2,116,242
TWISTER CAP
Wilfrid B. Cooper, Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y., a corporation of Delaware
Application October 20, 1937, Serial No. 169,957
3 Claims. (Cl. 117—23)

1. A twister cap for bobbin twisting machines which comprises a rigid member adapted to be rotatably mounted upon a bobbin spindle, and a relatively thick piece of yieldable rubber bonded on one of its sides to the rigid member which has a peripheral bobbin-contacting surface and is adapted to fit inside the bobbin when the cap is mounted upon the spindle, said piece of rubber

having an annular slit extending from the said surface inward in the direction of the spindle,



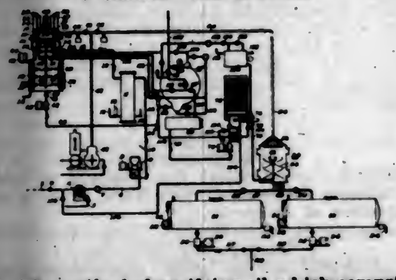
thereby leaving a portion of the rubber free to expand under the action of centrifugal force.

2,116,243
**SHEARS SHARPENING DEVICE**
Roy E. Davis, Boulder, Colo., assignor of one-half to Harry G. Davis, Boulder, Colo.
Application March 16, 1937, Serial No. 131,227
4 Claims. (Cl. 76—82.2)



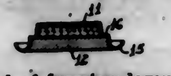
1. A shear sharpening device, including a base having a handle clamp at one end and a blade rest at the other, an arm pivoted to the base for swinging movement in the plane of the base, means for clamping the arm in any adjusted position with relation to the base, and a file supporting and guiding means carried by the end of the arm.

2,116,244
**PURIFICATION OF OIL**
Russell P. Dunmire, Alliance, Ohio, assignor, by mesne assignments, to The Buckeye Laboratories, Inc., Alliance, Ohio, a corporation of Ohio
Application March 30, 1935, Serial No. 13,893
7 Claims. (Cl. 196—16)



1. The method of purifying oil, which comprises spraying oil in fine particles under pressure into an atmosphere maintained under high vacuum to release moisture and gases therefrom, supplying adsorbent material to the oil while the oil is in dispersed condition, and filtering out the adsorbent material.

2,116,245
**METHOD OF MAKING LAMP HOUSINGS**
Burton S. Floraday, Toledo, Ohio, assignor to Dura Company, Toledo, Ohio, a corporation of Ohio
Application November 12, 1934, Serial No. 752,552
6 Claims. (Cl. 113—120)



1. The method of forming lamp housings consisting of applying a coating to a relatively thin flat plate of sheet metal to provide a series of light colored discs surrounded by distinguishingly colored decorating portions, stamping out sections of the plate in such manner that the light colored discs are disposed centrally thereof, and forming the sections into rimmed cups so that the light colored areas are in the bottom of the cups to provide a light-reflecting surface and the distinguishingly colored decorating portions are disposed on the rims.

2,116,246
**DOLL EYE CONSTRUCTION**
Arthur A. Gerling, New York, N. Y.
Application May 8, 1937, Serial No. 141,396
1 Claim. (Cl. 46—167)



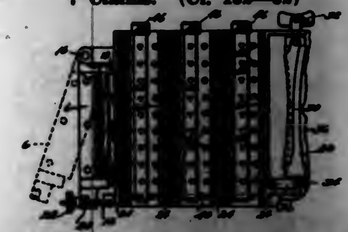
A doll head having a portion pressed inwardly to form an eye socket provided with an inner wall and a peripheral wall, and an eye fitting snugly within said socket and comprising an inner cup-shaped shell, a transparent outer cup-shaped shell having its peripheral walls directed inwardly and fitting tightly about the peripheral walls of the inner shell with their marginal portions crimped inwardly into clinching engagement with the inner shell, prongs struck from said inner shell and passed through the inner wall of said socket and bent into clinching engagement with the inner face thereof to secure the eye within said socket, and a disk of appreciably smaller diameter than the shells disposed loosely between the shells and freely movable circumferentially of the shells.

2,116,247
**ALPHA-SALICYLO-ALIPHATIC ACID ESTERS**
Ernest F. Grether and Russell B. Du Vall, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 25, 1937, Serial No. 160,288
7 Claims. (Cl. 260—104)

1. The method of preparing alpha-salicylo-aliphatic acid esters which comprises reacting an alpha-bromo-aliphatic acid ester with an alkali-metal salicylate.



2,116,248
**PERMANENT WAVING DEVICE**
Clara F. Harris and Willard A. Tripp, Kansas City, Mo.
Application July 3, 1935, Serial No. 29,662
7 Claims. (Cl. 132—32)



1. A permanent waving device of the character described comprising, in combination, adjustable means for tensioning a tress; means for offsetting said tress at spaced-apart intervals throughout its length in two planes substantially perpendicular to each other; and means for heating the tress while in the offset condition.

2,116,249
**HAIR WAVING DEVICE**
Clara F. Harris and Willard A. Tripp, Kansas City, Mo.
Application March 15, 1937, Serial No. 130,974
9 Claims. (Cl. 132—36)



1. In a hair waving device, a plurality of spaced-apart clamping means, each adapted to grip a separate tress of hair adjacent the base thereof; waving means associated with each of said clamping means whereby said tresses are secured in substantially a common undulated path from their respective clamping means; and means for heating said tresses of hair while in the waved position.

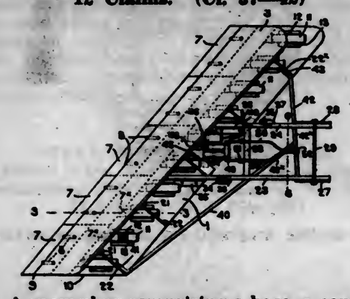
2,116,250
**MEANS FOR MEASURING WELL DECLINATIONS**
John C. Hewitt, Jr., Long Beach, Calif.
Application May 16, 1935, Serial No. 21,829
17 Claims. (Cl. 33—205.5)

1. A well surveying instrument comprising a housing adapted to be lowered into a well bore, a buoyantly floating compass within said housing, a photographic element disposed in focus with said floating compass, and means for illuminating a lower submerged surface of the floating compass and for obtaining a photographic image of said submerged surface upon the photographic element.

15. A well surveying instrument comprising a housing adapted to enter a bore hole, means for supporting a photographically sensitized member within the housing, a compass located within the housing, means for illuminating the compass, means movable in accordance with the slope of the instrument located between the compass and said member, and means for projecting on said member images of both the compass and said movable means, said projecting means comprising a lens between the compass and the movable means forming an image of the compass adjacent the movable means.



2,116,251
**SNOW PLOW**
Ernest B. Jones, South Weymouth, and William M. Clark, West Hanover, Mass., assignors to National Fireworks, Inc., West Hanover, Mass., a corporation of Massachusetts
Application September 11, 1936, Serial No. 100,262
12 Claims. (Cl. 37—42)

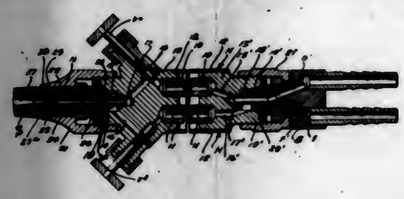


1. A snow plow comprising a base, a concavedly curved mold board fixedly mounted thereon, a cutting blade formed in sections each of which is yieldably mounted upon said base in substantially tangential relation to the curve at the lower end of the mold board and movable in parallelism with said base upon engagement of the blade section with an obstruction, a supporting frame rigidly secured to said base, and means for connecting said frame to a motor vehicle.

2,116,252
**WELDING AND CUTTING APPARATUS**
Robert J. Kehl, Bayside, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application July 13, 1932, Serial No. 622,177
7 Claims. (Cl. 158—27.4)

1. The combination of a handle having gas passages therethrough; valves controlling said passages and mounted on said handle closer to one end of the latter than to its other end; means for supplying gas to said passages; means so

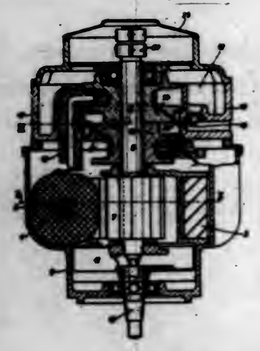
constructed and arranged that such gas supplying means may be coupled at will to either end of said handle to supply gases to said passages; a nozzle



supporting member; and means so constructed and arranged that said member may be coupled to either end of said handles.

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2,116,253
**DOUBLE MAGNETO**
Erich Klaiber, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany
Application July 31, 1935, Serial No. 34,978
In Germany August 28, 1934
7 Claims. (Cl. 171—209)

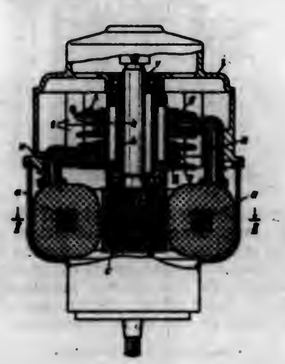


1. A double magneto for feeding separate ignition circuits comprising two stationary armatures, stationary magnets arranged in the same plane between the ends of the armature cores, a rotary magneto shaft, an inductor mounted on said shaft, and a distributor device for both armatures for direct drive without gearing arranged on said rotary shaft.

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2,116,254
**MAGNETO**
Heinrich Bischoff, Kornthal, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany
Application September 9, 1935, Serial No. 39,872
In Germany September 18, 1934
10 Claims. (Cl. 171—209)

1. A magneto comprising a stationary armature, a stationary magnet system, a rotary magneto shaft, a flux conducting member connected to said shaft, two rotatable distributor elements for separate ignition circuits arranged axially side by side and eccentrically of said shaft, means independent of and surrounding a portion of said

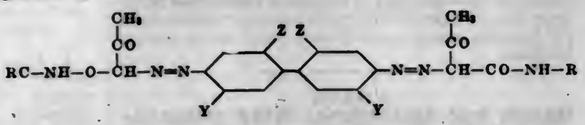


magneto shaft for mounting said distributor elements for rotation about said shaft, an internally toothed ring connected to said distributor elements and a gear-wheel mounted on the magneto shaft and meshing with said internally toothed ring for driving said distributor elements.

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2,116,255
**DISAZO DYESTUFFS AND THEIR PRODUCTION**
Georges Kopp, Rouen, France, assignor to Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann, Paris, France, a corporation of France
No Drawing. Application March 26, 1936, Serial No. 71,050. In France April 2, 1935
8 Claims. (Cl. 260—78)

5. The disazo dyestuffs of the following formula:




in which Y represents a member of the group consisting of alkoxy, alkyl, and halogen radicals, Z represents a sulphonic acid group and R an aryl radical.

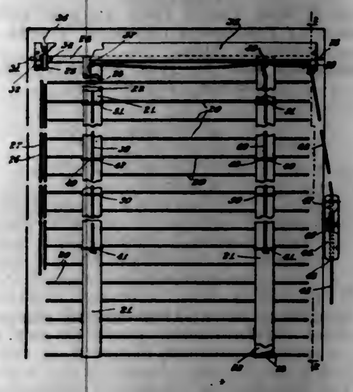
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2,116,256
**VENETIAN BLIND**
Richard Laberda and James Carreras, Brooklyn, N. Y.
Application June 19, 1937, Serial No. 149,053
6 Claims. (Cl. 156—17)

1. A Venetian blind embodying therein a plurality of pairs of tapes, a plurality of louvers, means supporting said louvers between, and connecting them with, said tapes, means simultaneously operative to raise one and lower the other tape of each pair, lift cords, a fitting carried by a corresponding tape of each pair to which a lift cord is connected, said fitting being positioned



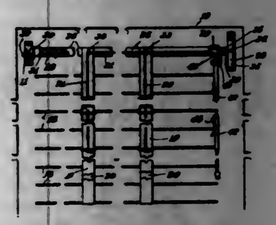
adjacent the top of a group of louvers, whereby all of the louvers may be simultaneously opened or closed, or the louvers of one group may be opened or closed and the louvers of another group may be independently closed or opened, and a



guide fitting for the lift cord carried by the same tape as said other fitting and positioned intermediate said first named fitting and said means for raising and lowering said tapes, whereby when raising or lowering the blind the louvers are moved in successive parallel groups.

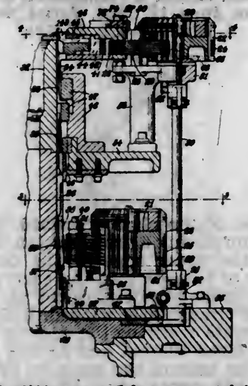
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2,116,257
**VENETIAN BLIND**
Richard Laberda and James Carreras, Brooklyn, N. Y.
Application July 23, 1937, Serial No. 155,160
11 Claims. (Cl. 156—17)



1. A Venetian blind embodying therein the combination with a pivotally supported head bar, a pair of tapes connected therewith, a plurality of louvers, connections between said tapes and said louvers respectively, and lift cords for raising or lowering said louvers, of locking members, one of which is fixedly mounted adjacent one end of said bar, and the other of which is rotatable with said bar and movable toward and from the other member, co-operating interlocking means upon said members, those upon one member being concentric with the axis of said bar, a pendant operating handle movable about a vertical axis, and means actuated thereby and engageable with said movable member, whereby said interlocking means may be disengaged to permit turning movement of said bar, or are permitted to engage each other to lock said bar in any adjusted position.

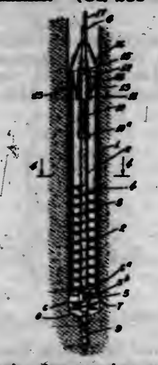
2,116,258
**KNITTING MACHINE**
Leslie Herbert Leedham and Henry Harold Holmes, Leicester, England, assignors to Wildt and Company Limited, Leicester, England, a British company
Application August 6, 1936, Serial No. 94,686
In Great Britain August 12, 1935
10 Claims. (Cl. 66—50)



1. In a knitting machine, comprising a needle bed and needles therein, the combination of needle-selecting patterning means comprising a rotatable patterning member operative selectively upon the needles to produce patterns by stitch changes in selected areas of the ground fabric, knitting elements to produce a plush pile, a rotatable patterning member operative selectively upon said plush pile-producing elements for the purpose of producing a plush pile pattern in other selected areas of the ground fabric, and driving means common to both rotatable patterning members.

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2,116,259
**WELL BORING APPARATUS**
Forest Glen McCann, San Diego, Calif.
Application July 27, 1936, Serial No. 92,859
10 Claims. (Cl. 255—67)



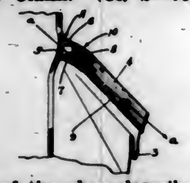
1. In a well boring apparatus, a tubular casing, a tubular shaft revolubly mounted therein, a spiral secured in relation to the lower end of said shaft in said casing, a coupling member secured on the lower end of said tubular shaft, a main shaft extending through said tubular shaft upwardly past the upper end of said tubular casing, another coupling member secured to said main shaft arranged to engage and couple with the

first mentioned coupling member, a boring apparatus secured to said last mentioned coupling and said main shaft.

### 2,116,360
### UNDERGARMENT

Jenny M. Lindh, Minneapolis, Minn., assignor, by mesne assignments, to Munsingwear, Inc., Minneapolis, Minn., a corporation of Delaware

Application June 13, 1936, Serial No. 85,111
1 Claim. (Cl. 2—78)

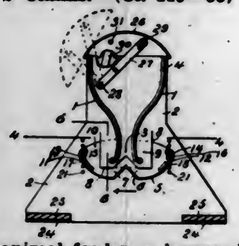


A garment of the class described, comprising a body portion having a drop seat, an elastic tape secured to the upper edge of the drop seat, a vertical row of stitches securing each end of the tape to the body of the garment at the sides thereof, and triangularly shaped, inelastic reinforcing elements overlying the ends of the elastic tape and secured thereto and having their ends secured to the body of the garment by said rows of stitches, the upper edges of said reinforcing tapes tapering downwardly and rearwardly from points adjacent said rows of stitches, whereby relatively greater portions of the lower portion of said elastic tape adjacent to said rows of stitches is rendered inelastic, so that when a pull is exerted on the drop seat to pull it downwardly, the upper edge portions of said elastic tape adjacent to said rows of stitches may stretch to a greater degree than the lower edge portion thereof directly therebeneath, whereby strain exerted on the elastic tape of the drop seat to pull it downwardly, will cause the end portions of the elastic tape to arch upwardly adjacent to the upper inclined edges of said reinforcing elements, whereby the pull exerted on the reinforcing elements is uniformly distributed over all of the stitches securing said elements to the body of the garment.

### 2,116,361
### ANIMAL FEEDER

John A. Nasman, Horton, Kans.

Application March 23, 1936, Serial No. 70,454
2 Claims. (Cl. 119—53)

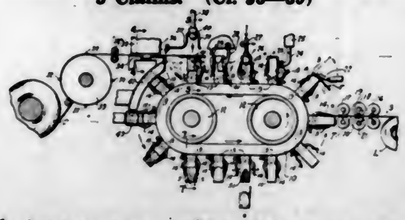


1. In an animal feeder, a hopper having side and end walls and a bottom discharge opening, each end wall having a slit extending transversely below said opening and therefrom vertically at opposite sides of said side walls thereby forming a depending tongue, a feed trough having its ends respectively removably slidably insertible between said tongues and the inner sides of the adjacent end walls of the hopper to a position in which the bottom of said trough will be under and spaced from said opening, and means for releasably supporting said trough in said position.

### 2,116,362
### METHOD AND APPARATUS FOR MAKING CARTONS

Edward F. Ness, Toledo, Ohio, assignor to Morris Packaging Equipment Company, Toledo, Ohio, a corporation of Ohio

Application June 22, 1936, Serial No. 86,520
5 Claims. (Cl. 93—39)



1. Apparatus for making cartons comprising, an endless carrier having a step by step movement, a series of formers mounted on said carrier, means for feeding to each former a sheet of relatively thin flexible material, a series of means for folding the sheet about the respective former to provide a bag having its outer end closed and inner end open, means for advancing in step by step manner a continuous strip of carton body blanks, means for periodically severing a body blank from such strip, each carton body including a bottom panel and a side panel on opposite sides of the bottom panel and tabs projecting from the ends of such panels, a series of means for folding a carton body blank over the folded bag disposed on one side of said formers, means for feeding in timed relation to the movement of said carrier a continuous strip of end panels to the carrier in the path of movement of the formers, means for severing an end panel from each strip, and means for securing a severed end panel to the tabs on opposite ends of the folded carton body blank.

### 2,116,363
### DRAINBOARD

Julian L. Perkins, West Springfield, Mass.

Application July 21, 1936, Serial No. 91,680
5 Claims. (Cl. 68—32)



1. The combination with a wringer frame of, a drain board including a lower drip board and an apron thereabove provided with openings therethrough spaced substantially throughout its surface, and connections between said drain board and wringer frame, the said openings being bounded by spaced apron-forming members.

### 2,116,364
### DIE FOR CUTTING SHEET MATERIAL

Charles E. Reed, Chicago, Ill., assignor to Charles E. Reed & Co., Chicago, Ill., a corporation of Illinois

Application September 9, 1936, Serial No. 99,993
Renewed October 5, 1937
3 Claims. (Cl. 164—29)

2. A die for cutting sheet material comprising a core member of sheet material having a plurality of openings therethrough adjacent its periphery, a cutting member in the form of a band encircling the core and bifurcated headed studs



extending through the cutting member from the exterior thereof, the legs of each stud straddling the marginal portion of the core member and the end of each stud leg being bent into an opening in the core member.



### 2,116,365
### FASTENER

Friedrich Schäfer, St. Gallen, Switzerland, assignor of one-half to Waldes A Spol (partners Jindrich Waldes, Zikmund Waldes, and Vojtech Puc), Prague, Czechoslovakia

Application August 17, 1936, Serial No. 96,433
In Switzerland October 1, 1935
1 Claim. (Cl. 24—261)



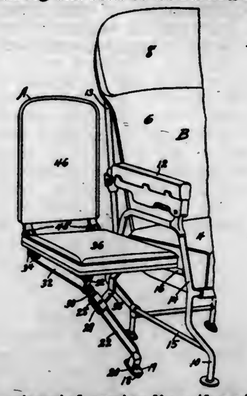
A clamp made of springy wire, more particularly for fastening paper sheets and textile articles, comprising in combination: two limbs made of springy wire connected at the top by an apex member, one of the limbs having at the point of connection with the apex member a bent portion projecting from the main plane of the clamp and the other limb extending straight in the said plane, whereby the clamp, on being applied to the paper, will automatically swing into the plane thereof, the two limbs crossing each other and being formed at the crossing position with flattened portions to allow of as little as possible spreading of the limbs, said portions being adapted on the application of the clamp to the sheets to press into said sheets.

### 2,116,366
### FOLDING SEAT

Louis F. Scott, Philadelphia, Pa., assignor to The J. G. Brill Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 24, 1936, Serial No. 60,560
6 Claims. (Cl. 155—33)

2. A folding seat for floored structures comprising, a seat base, converging compression arms connected at spaced points adjacent one edge of the seat base, brace means acting in compression and connected to the opposite edge of said seat base, strut means secured at one end to the floor and at the other end to said converging arms, said brace means being fixedly pivoted to said strut intermediate the strut ends thereby permitting folding of the seat, plate means pivoted to said seat base and to an adjacent structure thereby causing the seat to be folded substantially

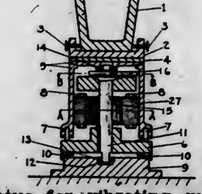


about its horizontal center line, the pivot between said plate means and seat base being positioned inwardly from the seat edge whereby folding of the seat is permitted in only one direction.

### 2,116,367
### APPARATUS FOR TREATING METALS

Edward W. Smith, Melrose, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine

Application October 17, 1935, Serial No. 45,442
11 Claims. (Cl. 22—57)



7. Apparatus for vibrating molten metal at high velocity comprising a resonant vibratory system composed of two freely vibratable independent mass elements and an elastic element fixed at one end to one of said mass elements and at the other end to the other of said mass elements, the first mass element including the molten metal, a container therefor and ancillary elements movable therewith, the second mass element being a compensating mass, said elastic element having sufficient elasticity to make the vibratory system resonant at the desired frequency of vibration and means for supplying vibratory energy to vibrate the system at the said resonant frequency.

### 2,116,368
### ANTENNA TOWER

Edward J. Staubits, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey

Application July 21, 1936, Serial No. 91,677
2 Claims. (Cl. 250—33)

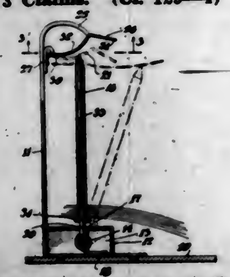
2. A tower antenna having upper and lower structural sections of metal comprised of uprights and cross bracing, a flexible coupling be-

tween the two sections, the top of the lower section and the bottom of the upper section tapering inwardly toward the flexible connection whereby the continuity of the contour of the structure is interrupted adjacent the coupling, and flexible metallic jumpers connecting the two



sections around the flexible coupling and the tapered end portions which maintain the continuity of the contour of the tower for electrical purposes, but are incapable of functioning to transmit stresses from one section to the other, the structure as a whole constituting a linear radiator.

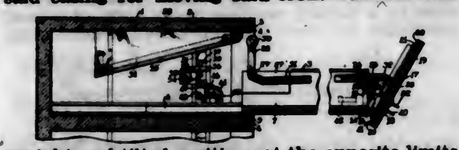
### 2,116,369
### FILING DEVICE
Oscar Stelp, Brooklyn, N. Y.
Application March 20, 1937, Serial No. 132,037
3 Claims. (Cl. 129—4)



1. A filing device for papers or the like, comprising a filing pin, a bracket supporting said pin and a plate hinged to the bracket and extending over the point of the pin, said plate being depressible and having an opening to receive the point of the pin so as to perforate a paper which is to be filed and to start the paper down over the pin, said bracket having a rigid flange extending over the point of said pin above said plate for shielding the pin and forming a stop for normally holding said plate in position above said pin.

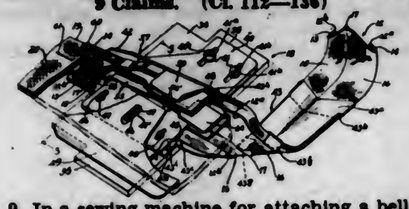
### 2,116,370
### FILE CABINET
George E. Watkins, Tonawanda, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.
Application May 1, 1936, Serial No. 77,366
8 Claims. (Cl. 45—2)

1. A filing cabinet, comprising a casing, a drawer mounted for movement into and out of said casing, a tiltable front hinged on the front edge of said drawer movable between upright and tilted positions, and means on the drawer and casing continuously and automatically operable in the movement of said drawer in and out of said casing for moving said front between said



upright and tilted positions at the opposite limits of movement of said drawer.

### 2,116,371
### METHOD AND APPARATUS FOR BELLOWS POCKETS
Albert H. Weis, Nyack, N. Y., assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y., a corporation of New York
Application July 21, 1936, Serial No. 93,669
9 Claims. (Cl. 112—136)

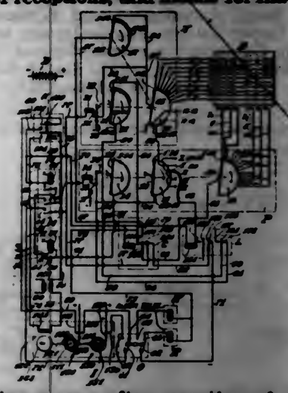


9. In a sewing machine for attaching a bellows strip which is folded upon itself to provide normally superposed connector and base sections and has a marginal section, to a body, the combination of a substantially flat channel guide means having a top and a bottom wall, for receiving the bellows strip and maintaining the normally superposed connector and base sections open relative to each other at one face of said body; a curled section on said channel guide means for locating an edge of said body and for receiving said marginal section and lapping the same around said edge and over the other face of said body; means spaced laterally from said curled section, for confining said opened connector and base sections in said channel; a spring finger associated with said channel guide means and located between said confining means and said curled section for pressing out said opened connector and base sections; and stitching means for securing said lapped marginal section and said base section to said body at opposite faces thereof.

### 2,116,372
### SIGNAL TRANSMITTER
Foster E. Weld, Newton, Mass., assignor to The Gamewell Company, Newton Upper Falls, Newton, Mass., a corporation of Massachusetts
Application September 21, 1933, Serial No. 690,466
12 Claims. (Cl. 177—330)

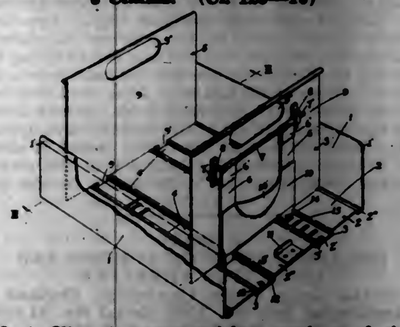
1. An electric code signal transmitting device comprising output contacts for connection with a signal receiving circuit, means for supplying current impulses at regular intervals to said contacts, maintenance means normally disconnecting said contacts from said impulse supply means, normally deenergized driving means for said impulse supply means, means for operatively energizing said driving means, means for closing said maintenance means, holding means maintaining the energization of said driving means and the connection of said contacts, contact means in series with said maintenance means for disassociating said impulse supply means from said contacts after reception of a predetermined number of impulses, means for reclosing said contact means after omission of a predetermined number of receptions, and means for inactivating





said holding means after reception of a predetermined number of impulse groups.

### 2,116,373
### FILING TRAY
Alexander Colvill Williamson, London, England, assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application September 11, 1935, Serial No. 40,110
In Great Britain September 12, 1934
6 Claims. (Cl. 129—16)

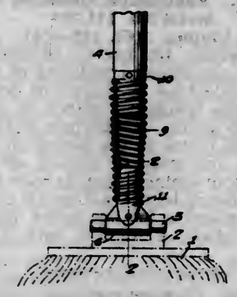


6. A filing tray comprising a piece of sheet metal formed to provide a tray bottom and upwardly extending side walls, the ends of said tray being open, a channel mounted on said tray bottom extending between and opening at the ends thereof, a follower carriage having an elongated bar slidable in said channel and an upright bar extending upwardly from one end of said elongated bar, a follower pivotally supported on the upper end of said upright bar, and an upwardly projecting stop on said bottom for engaging the lower end of said follower and moving it to an inclined position when said carriage is moved to project said elongated bar for supporting said upright bar beyond the end of said tray.

### 2,116,374
### METHOD OF MAKING SAFETY INKS
Arthur A. Wittnebel, New Rochelle, N. Y., assignor to American Bank Note Company, New York, N. Y., a corporation of New York
No Drawing. Application February 14, 1935, Serial No. 6,471
5 Claims. (Cl. 134—33)

1. The herein described method of making a safety ink for use in printing safety revenue, postage and like stamps consisting in partially mixing water insoluble pigment and an oil vehicle in one batch, mixing water soluble coloring matter and an oil vehicle in a separate batch, and adding a small percentage of the batch containing the water soluble coloring matter with the batch containing water insoluble pigment while completing the mixing of the batch containing said water insoluble pigment, whereby the water insoluble pigment and the water soluble coloring matter are so intimately associated that an impression made with such ink, as to each part thereof, will contain a permanent ink and a water soluble ink, so that when subjected to water the design of the impression will remain unchanged but a smudge will be formed by the water soluble coloring matter.

### 2,116,375
### MOP CONNECTER
Edward C. Aubitz, Warren, Pa., assignor to G G G Metal Stamping Company, Warren, Pa., a corporation of Pennsylvania
Application September 3, 1936, Serial No. 99,804
3 Claims. (Cl. 306—19)

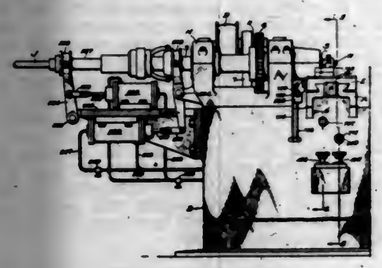


2. A mop connecter means comprising a clamp provided with relatively movable jaws, a mop-head-connecting member, said jaws at one end gripping said member against movement relatively to the clamp with portions of the connecting member extending beyond opposite sides of the jaws, said jaws collectively having a conically tapered externally screw-threaded portion at the other end, the smaller end of said tapered portion being remote from the first-mentioned end, and a handle attaching member having an end surrounding and threaded on said tapered screw-threaded portion of the clamp and operative by relative rotation between it and the clamp to close the jaws of the clamp upon the connecting member to grip it.

### 2,116,376
### HYDRAULIC CONTROL MECHANISM
Gilbert V. Anderson, Philadelphia, Pa., assignor to William F. Fischer, Philadelphia, Pa.
Application January 17, 1936, Serial No. 59,638
20 Claims. (Cl. 29—42)

1. In a machine tool, the combination with a carriage, of a hydraulic motor for traversing said carriage, a source of actuating fluid connected with the motor, and means for regulating the flow of said fluid to the motor, said regulating means comprising a valve adjustable to normally regulate the rate of flow of the fluid, a second valve intermediate the first valve and said source, and means for automatically adjusting said second valve to regulate flow to the first valve in

accordance with the pressure differential at opposite sides of said first valve to thereby maintain



a substantially uniform rate of flow through the latter.

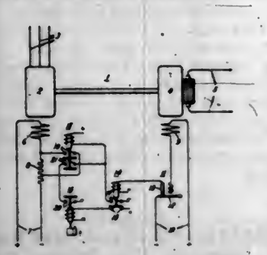
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**2,116,377**
**PROTEIN, PROTEIN COMPOUND, AND METHOD OF PREPARATION**
**Carmelo Baldini, Bronx, N. Y.**
**No Drawing. Application November 19, 1936, Serial No. 111,739**
**2 Claims. (Cl. 167—74)**

1. A composition for use in normalizing abnormal blood conditions consisting of a product derived by subjecting 15 grams of protein obtained from the lymphatic glands of an animal, diluted in 100 grams of distilled water, to exposure for five hours to the action of .50 gram of amylopsin, one gram of pepsin, and twenty-five drops of hydrochloric acid; exposing the mixture for five hours to the action of pancreatin; dializing the mixture for ten hours, filtering the mixture to obtain a filtrate, and drying the filtrate.

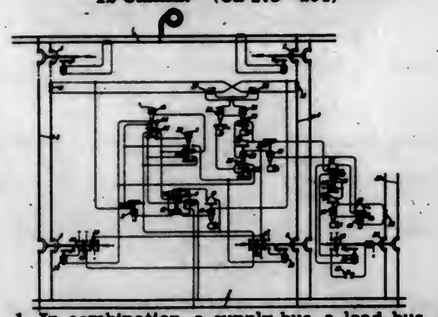
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**2,116,378**
**CONTROL SYSTEM**
**Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York**
**Application July 30, 1936, Serial No. 93,409**
**3 Claims. (Cl. 171—123)**



1. In combination, a synchronous motor generator set, movable means for varying the excitation of the generator of said set, and relay means responsive to the position of said movable means for immediately increasing the excitation of said motor when said movable means is moved to a position in which the generator excitation is increased above a predetermined value and for decreasing after a predetermined time delay the excitation of said motor when said movable means is moved to a position in which the generator excitation is below a predetermined value.

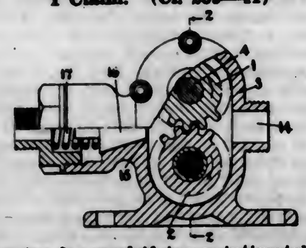
**2,116,379**
**CIRCUIT BREAKER CONTROL SYSTEM**
**Herman Bany, Lansdowne, and William N. Gittings, Upper Darby, Pa., assignors to General Electric Company, a corporation of New York**
**Application March 18, 1937, Serial No. 131,663**
**12 Claims. (Cl. 175—294)**



1. In combination, a supply bus, a load bus, a plurality of feeders interconnecting said buses, an individual overload circuit breaker having a relatively high current interrupting capacity connecting each feeder to said supply bus, another circuit breaker in each feeder connecting it to said load bus and having a lower current interrupting capacity than the associated overload circuit breaker, and means responsive to a fault on either feeder for selectively effecting the immediate opening of the circuit breaker between the faulty feeder and the load bus if the fault current in the faulty feeder is below the current interrupting capacity thereof and for effecting the opening of the circuit breaker between the faulty feeder and the load bus only after said overload circuit breakers of relatively high current interrupting capacity in all of the feeders have opened if the fault current in the faulty feeder is above the current interrupting capacity of the circuit breaker connecting the faulty feeder to the load bus.

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**2,116,380**
**EMULSIFICATION OF LIQUIDS AND APPARATUS THEREFOR**
**Stefan Georg Bauer, Cambridge, England**
**Application July 21, 1936, Serial No. 91,792**
**In Great Britain August 13, 1935**
**1 Claim. (Cl. 259—41)**



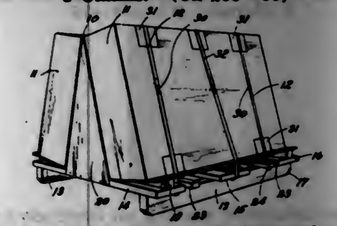
Apparatus for emulsifying or intimately admixing high viscosity semi-liquid masses, comprising a toothed wheel gear pump constructed with sufficient clearance between the casing and the teeth of the gears to provide a definite leakage path for the mass under treatment in the pump back from the outlet end thereof towards the inlet end of the pump, and incorporating a spring-loaded outwardly opening non-return valve in the outlet of the pump for establishing and maintaining during the operation of the pump and



therefore while the outlet thereof is in open pump-discharging condition, a positive pressure difference at the outlet end of the pump as compared with the pressure at the inlet end thereof, sufficient, having regard to the magnitude of the clearance referred to and to the viscosity of the mass under treatment in the pump, to ensure a constant return flow of a substantial proportion of the said mass along the leakage path.

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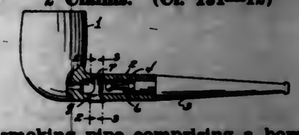
**2,116,381**
**MEANS FOR HANDLING AND SHIPPING SHEET METAL**
**Earl I. Burke, Warren, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey**
**Application June 16, 1936, Serial No. 85,541**
**5 Claims. (Cl. 206—60)**



1. A shipping package comprising a base having an opening extending therethrough, sheet supporting means on said base having its upper surface inclined at an acute angle to the horizontal and having a slot in the outer edge thereof in the vertical plane in which said opening lies, rest means extending upwardly from the base and having a rest surface between said opening and said slot and inclined at right angles to the said upper surface of the supporting means, a plurality of metal sheets or plates standing on edge in parallelism on said supporting surface and resting against said rest surface and forming a stack, and tensioned means disposed in a vertical plane encircling the stack, rest means and base, lying in the said slot and passing through said opening for securing the stack against the said rest means and supporting means and to the base.

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**2,116,382**
**SMOKING PIPE**
**Percy E. Cahow, Fort Lauderdale, Fla.; Ervin Cahow, administrator of said Percy E. Cahow, deceased**
**Application March 17, 1937, Serial No. 131,473**
**2 Claims. (Cl. 131—12)**



1. A smoking pipe comprising a bowl, a stem and a mouth piece, said stem having a bore therein extending through the bottom and the smoke passage thereof to provide a smoke chamber in the wall above the passage, a container detachably mounted in the bore and having an open top disposed within the chamber, said container having a flanged lower end to limit the movement thereof in the bore and to facilitate its removal therefrom, a removable partition providing a baffle disposed vertically within the container across the diameter thereof for frictional engagement therewith, means on the upper end of the partition to facilitate the removal thereof, said partition being co-extensive with the height of the container and dividing the latter into chambers, one of said chambers having an open wall portion directed toward the bowl and the lower edge of the open portion being flush with the lower edge of the smoke passage, the other chamber having an opening in its wall directed toward the mouth piece and disposed a considerable distance above the bottom of its chamber, and said opening being substantially crescent shape with its curved edge lowermost and disposed flush with the bottom of the smoke passage.

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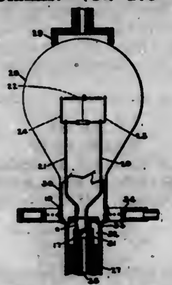
**2,116,383**
**LIQUID CONTACT CIRCUIT CLOSER**
**George Carlson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York**
**Application March 11, 1937, Serial No. 130,261**
**5 Claims. (Cl. 200—152)**



1. In a liquid contact circuit closer, an envelope having an electrically conducting liquid therein, a diaphragm separating the liquid into two pools, a terminal contacting the liquid on each side of the diaphragm, a passage through the diaphragm for connecting said pools to complete a circuit between the terminals, said passage being arranged so that the liquid flows simultaneously from each end thereof as the circuit closer is moved to a circuit interrupting position in which the passage is raised above the liquid level in the envelope, and a depression in said passage between its ends for retaining a portion of the liquid as the circuit closer is moved to the circuit interrupting position whereby the circuit is broken from each side of the retained liquid, said depression being constructed so that the liquid retained therein is raised above the liquid level in the envelope as the passage is raised above the liquid level.

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**2,116,384**
**ELECTRIC LAMP OR SIMILAR DEVICE**
**Paul O. Cartun, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York**
**Application March 2, 1937, Serial No. 128,617**
**8 Claims. (Cl. 176—2)**

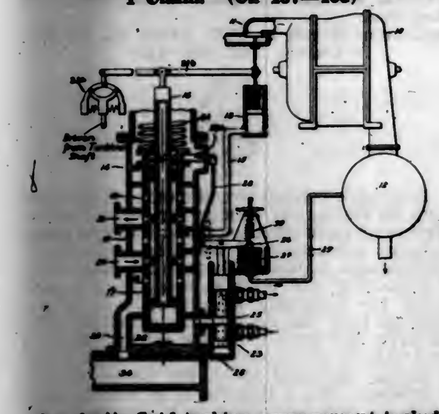


3. An electrical device comprising a glass bulb having a neck portion, a cylindrical metal base shell sealed directly to said bulb neck, said shell having an inwardly flanged bottom with a round depression therein, a substantially cylindrical

eyelet at the bottom of said shell having an outwardly extending flange united by a fused vitreous seal to the said depression in the bottom of said base shell, said eyelet having a sealed exhaust opening therein, a pair of lead wires in said bulb, one end of each of said lead wires being secured respectively to said shell and said eyelet, and a filament in said bulb mounted on the opposite ends of said lead wires.

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**2,116,385**
**ELASTIC FLUID GOVERNING MECHANISM**
Robert H. Collingham, Rugby, England, assignor to General Electric Company, a corporation of New York
Application December 15, 1936, Serial No. 116,026
In Great Britain December 17, 1935
1 Claim. (Cl. 137—158)



An elastic fluid turbine arrangement including the combination of a turbine having an inlet valve for controlling the flow of actuating fluid thereto, a condenser for condensing elastic fluid exhausted from the turbine, and means for positioning the inlet valve in response to changes in vacuum in the condenser, said means comprising a servo-motor for moving the valve, a pilot valve for the servo-motor, the pilot valve including a valve member, a sleeve forming ports and surrounding the valve member and a stationary casing surrounding the sleeve, the sleeve and the stationary casing forming a chamber, means for controlling the flow of actuating fluid to the chamber in response to changes in vacuum in the condenser to effect movement of the sleeve, said means comprising an auxiliary pilot valve, a device responsive to changes in vacuum for moving the auxiliary pilot valve and a follow-up mechanism connected between the auxiliary pilot valve and the sleeve.

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**2,116,386**
**RACK CLIP**
Elisha S. Copeland, Batesburg, S. C.
Application March 3, 1936, Serial No. 66,961
2 Claims. (Cl. 24—259)



1. A resilient clip comprising a pair of arcuate jaws, laterally extending extensions integral with adjacent ends of said jaws, a V-shaped member carried by each extension, one side of one of said V-shaped members being relatively longer than the opposite side and being disposed between the junction of said jaws and said lateral extensions, the confronting side of the other V-shaped member resiliently contacting with said longer side of the first V-shaped member, and a looped securing member engaging within the angle formed by said jaws and said extensions whereby to hold the clip in assembled condition.

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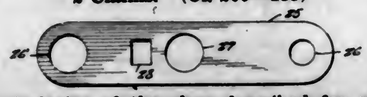
**2,116,387**
**MEANS AND METHOD OF CONSTRUCTING X-RAY ANODES**
Frank H. Driggs, Highland Park, Ill., and Harry Walter Highriter, Verona, N. J., assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 20, 1934, Serial No. 750,638
7 Claims. (Cl. 250—35)



1. The method of making an electrode having metallic constituents, one of which has a high melting point and the other of which has high thermal conductivity, with the latter constituent having a fine grain structure in the end adjacent the adhering metal of high melting point with the major axes thereof substantially normal to the latter metal to substantially eliminate the tendency of the metal of high heat conductivity to cracks parallel to the interface of the metals which consists in disposing the metal of high melting point against the flat end surface of the metal of high thermal conductivity, locally heating the metal of high thermal conductivity at the interface of the metals by the passage of an electrical current therethrough to soften the metal of high thermal conductivity for a depth corresponding to the thickness of the metal of high melting point, and pressing the metal having the high melting point while in a solid state into the softened flat adjacent surface of the metal of high thermal conductivity to form an efficient mechanical bond therebetween.

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**2,116,388**
**TEST TERMINAL**
Otto H. Eichblatt, Houston, Tex.
Application August 6, 1935, Serial No. 34,978
2 Claims. (Cl. 200—158)

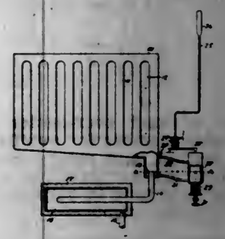


2. A device of the class described for use in testing railway signalling apparatus wherein the circuits are normally closed, comprising an insulating base, binding posts on the base adapted to receive signal circuit wires, a resilient circuit closing strap disposed substantially parallel with one face of the base and connecting the binding posts, said strap having an opening loosely receiving one of the posts, nuts securing the strap to the posts, said strap being adapted to spring out of circuit closing position when the nut of the post passing loosely through said opening is backed off, an L-shaped member carried by the last named post and having a leg extending parallel with the post loosely through an opening in said strap, said L-shaped terminal being always out of electrical contact with the strap and when the last mentioned nut is backed off coacting with the other post in forming terminals for the attachment of a test instrument, and means carried by the base engaging the strap for tensioning the strap.

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**2,116,389**
**HEAT TRANSFER SYSTEM**
Marcus E. Fiene, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York
Application August 23, 1935, Serial No. 37,519
11 Claims. (Cl. 236—36)

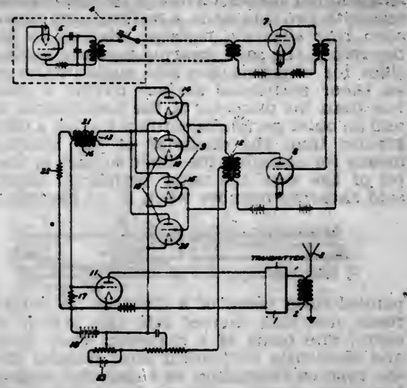


3. In a thermostatic heat transfer device, the combination with a condensible heat supply source, of a sealed and evacuated enclosure having a separate fluid vaporizing surface in heat transfer relation with said condensible fluid heat supply source and a condensing surface for condensing and returning the separate fluid to said vaporizing surface and provided with a condensate trap in the path of the returning fluid, a movable fluid control chamber having flexible conduits communicating at different levels with said trap for introducing the separate fluid into and withdrawing the separate fluid from said trap for controlling the transfer of heat between said surfaces to regulate a predetermined temperature condition, and thermostatically controlled mechanism responsive to said temperature condition for moving said fluid control chamber.

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**2,116,390**
**TRANSMITTER SYSTEM**
Paul C. Gardiner, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 10, 1936, Serial No. 68,075
7 Claims. (Cl. 178—66)

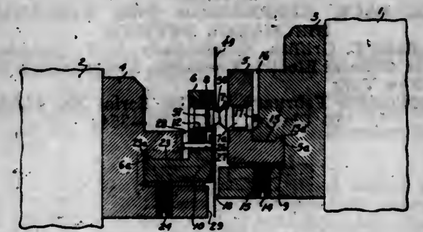
1. In combination, a transmitter comprising a source of oscillations and a keying circuit, a source of rapid impulses of oscillatory electromotive force, said impulses occurring at rapid keying speeds, means including a full wave rectifier for converting said oscillatory impulses into sharply defined impulses of unidirectional electromotive force having a ripple component therein and to supply said impulses of unidirectional electromotive force to a circuit free of elements having any substantial energy storage capacity at the frequency of said impulses, means including a second full wave rectifier for substantially eliminating the ripple component from said impulses of electromotive force substantially without affecting the remaining components of said impulses, and means for impressing the remaining components of said unidirectional impulses of electromotive force on said keying circuit,



whereby said transmitter is keyed by said sharply defined impulses of unidirectional electromotive force free from ripple.

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**2,116,391**
**QUICK-SETTING ADJUSTABLE PUNCHING APPARATUS**
Urban F. Gocheel, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application January 4, 1936, Serial No. 57,562
12 Claims. (Cl. 164—99)



1. In apparatus for punching spaced perforations in a moving web, a pair of reels adapted to rotate in opposite directions at the same speed, a plurality of punch holders mounted on one of said reels for adjustment about the periphery thereof and having punch elements therein, a plurality of die holders having therein die elements for cooperation with said punch elements, said die holders being mounted on the other reel for adjustment about the periphery thereof, each of said reels having an annular graduated scale disposed on the periphery thereof, whereby to facilitate adjustment of the punches and dies on the respective reels for cooperation with one another to produce perforations in the web at predetermined distances from one another longitudinally of the web.

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**2,116,392**
**CLEANING DEVICE**
Arthur P. Grasser, Cleveland, Ohio
Application July 5, 1935, Serial No. 29,898
5 Claims. (Cl. 42—91)

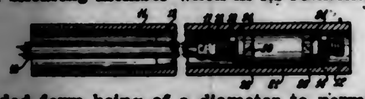
1. A cleaning device adapted to be inserted into a barrel of a gun for cleaning deposits from



the inner surface thereof, said barrel having an

at least one of said contacts, over-center snap-

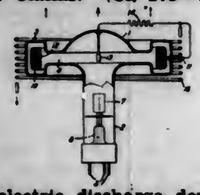
the inner surface thereof, said barrel having an enlarged breech, a tapered restriction, and a relatively long bore, comprising, in combination, longitudinal means having a circumferential recess with two side walls, a resilient and expansible open ring shearing member adapted to fit into the recess, the said shearing member having two sides for engaging the side walls of the recess, an inner peripheral surface having a diameter less than the diameter of the longitudinal means and an outer peripheral surface having a diameter greater than the diameter of the longitudinal means for engaging the inner surface of the barrel of the gun, the outer peripheral surface of said shearing member when in its resiliently ex-



panded form being of a diameter to permit the ready insertion thereof into the breech of the barrel and being of a diameter when gradually and resiliently contracted after passing through the tapered restriction to expansibly engage the bore with strong resiliency for shearing deposits from the bore, said shearing member also having a shearing edge at the junction defined by one of said sides and the outer peripheral surface, and aligning means spaced longitudinally from said shearing member and associated with the longitudinal means for aligning the shearing member in the longitudinal opening and for causing the shearing edge to make intimate contact with, and to shear the deposits from, the inner surface of the barrel.

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**2,116,393**
**ARC-BACK SUPPRESSOR FOR ELECTRIC DISCHARGE DEVICES**
**Rolland C. Griffith, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York**
**Application February 1, 1936, Serial No. 61,938**
**10 Claims. (Cl. 175—354)**

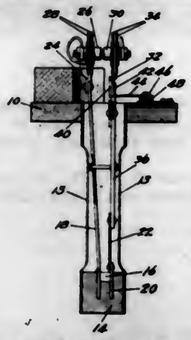


1. In an electric discharge device subject to back-fire, a cathode, an anode having a substantially continuous re-entrant surface for receiving a discharge, and means operable during the occurrence of a back-fire arc to produce a magnetic field parallel to said surface, said means comprising a pair of superposed differentially connected coils concentric with said anode and having their intermediate plane substantially in the plane of said surface.

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**2,116,394**
**THERMOSTATIC SWITCH**
**Monroe Guett, Hartford, Conn., assignor to The Arrow-Hart & Hegeman, Electric Company, Hartford, Conn., a corporation of Connecticut**
**Application April 27, 1936, Serial No. 76,692**
**12 Claims. (Cl. 200—139)**

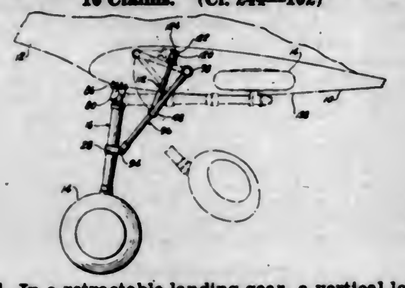
1. In a thermostatic switch, a pair of engageable contacts, means flexing in response to predetermined temperature conditions for mounting at least one of said contacts, over-center snapping means for accomplishing separation and reengagement of said contacts with a snap, in combination with a plural-part slidable unit, means for varying the relative positions of the parts of said unit to afford primary adjustment



of the setting of said over-center means, a manually operable member for auxiliary adjustment of said setting, and means between said unit and manual member exerting a camming action to move said unit in response to movements of said manual member.

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**2,116,395**
**RETRACTILE LANDING GEAR**
**Knut Henrichsen, Stratford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware**
**Application April 25, 1936, Serial No. 76,460**
**10 Claims. (Cl. 244—102)**



1. In a retractable landing gear, a vertical load strut, a brace for said strut, means operatively connected with said brace for swinging said strut in a substantially vertical arc about its point of attachment to the landing gear support from its retracted to its extended position and vice versa, and means comprising a skewed bearing between said strut and said support for rotating said strut in one direction as the strut swings from extended to retracted position and rotating the strut in the opposite direction as the strut swings from retracted to extended position.

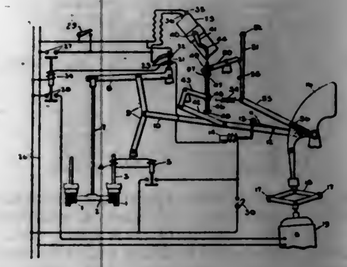
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**2,116,396**
**ELECTRIC SWITCH OPERATING APPARATUS**
**Charles H. Hill and Arvid E. Anderson, Drexel Hill, Pa., assignors to General Electric Company, a corporation of New York**
**Application May 22, 1934, Serial No. 726,887**
**5 Claims. (Cl. 200—89)**

1. A reclosing circuit breaker comprising a main switch, a motor driven centrifugal operating



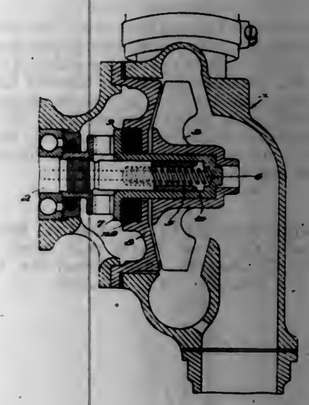
device therefor, a latch controlled collapsible connection between said switch and said device, said connection being constructed to reset itself in non-collapsed condition when the speed of the device decreases to a predetermined minimum, a movably mounted time delay switch having an



operative and an inoperative position for controlling said motor and means operative to hold said time delay switch in its inoperative position when said connection is collapsed and to move the same into its operative position in response to the resetting of said connection.

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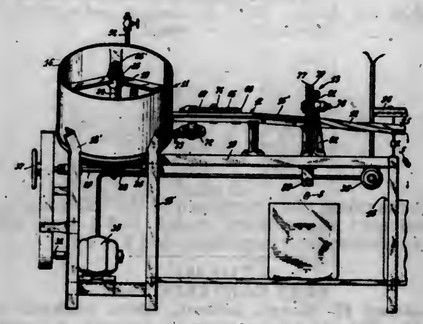
**2,116,397**
**SEAL FOR ROTARY SHAFTS**
**Edward A. Lapham, Long Island City, N. Y.**
**Application November 19, 1936, Serial No. 111,716**
**2 Claims. (Cl. 288—1)**



1. A seal of the class described consisting of a body portion composed of compressed carbonaceous material which has been rendered porous as the result of driving off a substantial portion of the binder material during a subsequent heat treatment, said body portion being reinforced by impregnating the same with molten metal introduced under pressure and in sufficient quantity to form a strengthening network throughout.



**2,116,398**
**ARTICLE INSPECTION MACHINE**
**William Makenny, Mountain View, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania**
**Application September 23, 1933, Serial No. 690,755**
**10 Claims. (Cl. 209—122)**



1. A machine for inspecting work parts comprising power driven means for moving lamp bases while in contacting relation through a given path, means for exposing the bases for inspection, an ejector disk having slots, means for positioning said disk for the movement of said bases through a slot of said disk and means for moving said disk to eject a part.

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**2,116,399**
**PROCESS FOR MAKING SHAPED BODIES FROM HARD SUBSTANCES**
**Paul Marth, Dusseldorf, Germany**
**No Drawing. Application November 24, 1936, Serial No. 112,606. In Germany November 29, 1935**
**3 Claims. (Cl. 75—137)**

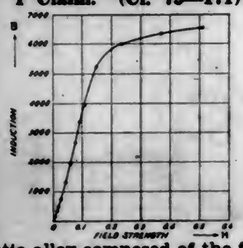
1. A process for producing shaped bodies of an extremely hard substance with a high degree of resistance to wear and of tenacity made from carbides, nitrides, silicides, borides, boron and easily fusible auxiliary metals, which process consists in heating a splintered hard substance obtained by melting material selected from the group consisting of carbides, nitrides, silicides and borides of metals or metalloids in the presence of atomic hydrogen together with binding and bedding material in the form of less difficultly fusible metallic substances in a refractory mould, such as a carbon mould, to temperatures above the fusion-point of the binding or bedding metal.

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**2,116,400**
**HARD SUBSTANCE ALLOY**
**Paul Marth, Dusseldorf, Germany**
**No Drawing. Application December 1, 1936, Serial No. 113,741. In Germany December 2, 1935**
**4 Claims. (Cl. 75—136)**

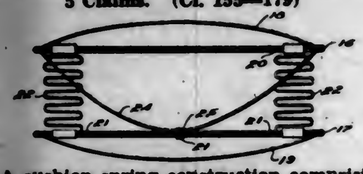
1. A sintered hard substance alloy of pulverized metal carbides, nitrides, silicides or borides and auxiliary metals, in the production of which a metal carbide, silicide, nitride, or boride melted or formed in the presence of atomic hydrogen is sintered together with powdered auxiliary metals or metal alloys in the usual way.

2,116,401
**MAGNETIC ALLOY**
Yoshiji Matsuyama, Shukichi Kuno, and Shigeji Nasu, Tokyo, Japan, assignors to General Electric Company, a corporation of New York
Application June 2, 1937, Serial No. 146,012
In Japan September 11, 1936
1 Claim. (Cl. 75—171)



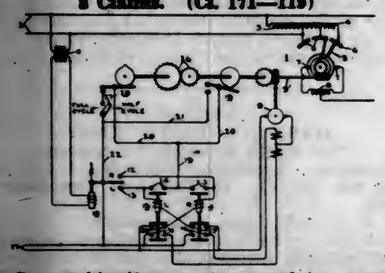
A magnetic alloy composed of the following ingredients: about 80.5% nickel, 13.5% iron, 3% molybdenum, 2% chromium, and 1% tin.

2,116,402
**SEAT CONSTRUCTION**
Clarence H. Menge, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application October 12, 1935, Serial No. 44,697
5 Claims. (Cl. 155—179)



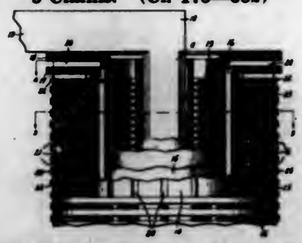
1. A cushion spring construction comprising a pair of spaced frame members, one of said frame members having a channel formed therein, and arcuate, sinuous spring elements serving to resiliently interconnect said frame members, the last lateral convolution of each end of said arcuate spring elements being secured in the channel of one of said frame members and said spring element being secured at an intermediate point to the other of said frame members to mount said frames in resiliently spaced relation.

2,116,403
**STEP REGULATOR**
Salvatore Minucci and Louis F. Blume, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application January 21, 1937, Serial No. 121,620
8 Claims. (Cl. 171—119)



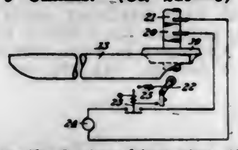
1. In combination, a step regulator provided with a seal-in mechanism for introducing a predetermined number of regulating steps, and means for selectively modifying the action of said seal-in mechanism so as to obtain a different number of regulating steps.

2,116,404
**ELECTRICAL INDUCTION APPARATUS**
Vincent M. Montsinger, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 23, 1937, Serial No. 132,528
5 Claims. (Cl. 175—362)



4. Electrical induction apparatus including an imperforate insulating cylinder, a plurality of spaced disk coils, alternate coils being solid and each having an edge in contact with the cylinder, there being a duct associated with each of the other coils and connecting the adjacent spaces near said cylinder.

2,116,405
**METHOD OF AND APPARATUS FOR WELDING PIPE**
George E. Mirfield, Youngstown, Ohio, assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio, a corporation of Ohio
Application November 15, 1935, Serial No. 49,937
9 Claims. (Cl. 219—6)



5. In the method of making pipe, the steps including forming a pipe blank having a longitudinal seam cleft, passing electric current across said cleft and pressing the edges thereof together to weld them, and forming a cut-out in one end of the blank at a point spaced from the cleft before commencing the welding to limit the current flowing around the body of the blank adjacent said end thereof.

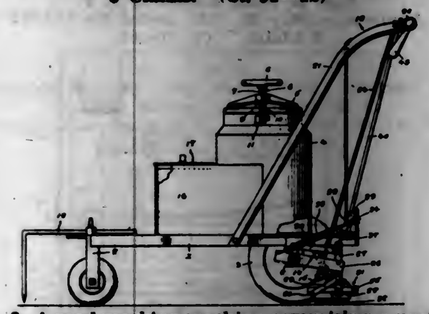
2,116,406
**SHOE SOLE AND HEEL COLORING DEVICE**
Loyal Nancarrow, Royal Oak, Mich.
Application October 28, 1936, Serial No. 108,021
4 Claims. (Cl. 15—166)



1. In a device of the kind described, the combination with a brush having a back and bristles extending from one side thereof, of a member engaging said back and having a slot and a flange and movable to and from an operative position in which said flange will extend from said back at one side of and adjacent to the outer ends of said bristles, and a locking member mounted on said back and adapted to be extended through said slot and movable in said slot to two positions in one of which it will engage and hold said first named member against said back, and when in the other position being adapted to pass through said slot and release said first named member.



2,116,407
**ROAD MARKING MACHINE**
Walter S. Nisely, Florin, Pa.
Application April 19, 1937, Serial No. 137,809
3 Claims. (Cl. 91—12)



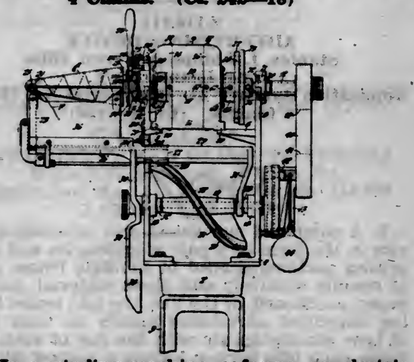
3. A road marking machine comprising a portable structure including a paint supply and discharge means, a brush mounting carried by said portable structure and capable of upward and downward movements, a brush including rows of bristles carried by said mounting and capable of a tilting movement on the mounting in opposite directions, spring means acting on said mounting to urge the bristles into engagement with a surface, and an operating means for raising and lowering said mounting.

2,116,408
**FLOATING CEMENTING EQUIPMENT**
Charles M. O'Leary, Jr., and Oliver F. King, Houston, Tex.
Application November 4, 1936, Serial No. 109,163
18 Claims. (Cl. 166—1)



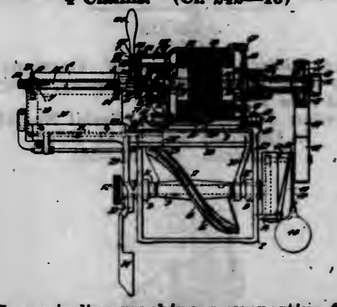
1. In a well cementing equipment for a casing string, means forming a shoe at the lower end of the casing string having an axial flow passage the lower end of which opens exteriorly and axially of the lower end of the casing string, and inclined means stationarily disposed in the path of outflow of material for causing discharge of material through and from the lower end of said passage exteriorly, axially of the casing in a turbulent, swirling mass.

2,116,409
**WINDING MACHINE**
Edward F. Parks, Providence, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application August 16, 1935, Serial No. 36,597
4 Claims. (Cl. 242—18)



1. In a winding machine, a frame, an electric motor mounted on the frame and having a hollow shaft, a spindle extending longitudinally through the hollow motor-shaft and journaled in bearings on the frame, reduction gearing operatively connecting the hollow shaft and spindle, package-supporting means mounted on one end of the spindle, traversing means associated with said package-supporting means to guide yarn onto the package, a second shaft journaled on said frame and connected to operate the traversing means, and means operatively connecting the spindle and second shaft, said motor being adjustable on the frame with respect to said spindle whereby to permit changing said gearing to vary the ratio of spindle speed to motor speed.

2,116,410
**WINDING MACHINE**
Edward F. Parks, Providence, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application September 11, 1935, Serial No. 40,159
4 Claims. (Cl. 242—18)



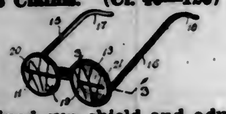
1. In a winding machine, a supporting frame, a self-contained driving unit on the frame comprising an electric motor having an armature-shaft constituting a winding-spindle, package-supporting means at one end of the spindle, traversing means on the frame associated with the

package-supporting means to guide yarn onto the package, a second shaft on the frame, means for connecting said second shaft to operate the traversing means, and means operatively connecting the spindle with the second shaft, said self-contained unit being mounted on the frame for adjustment about an axis perpendicular to the spindle to vary the angular relation of the package-supporting means with respect to the traversing means whereby to permit different forms of packages to be wound on the same spindle.

### 2,116,411
### ADVERTISING DEVICE

Stanley J. Philipsen, Forest Hills, Long Island, N. Y.

Application January 21, 1938, Serial No. 186,030
6 Claims. (Cl. 40—126)



1. A combined sun shield and advertising device in the form of a pair of spectacles and comprising portions shaped to simulate lenses made of opaque relatively stiff sheet material, such as paper, cardboard, or the like, the said lenses bearing imprinted advertising matter on their faces in type commensurate with the size of such portions, each lens portion having a narrow slit of a size which does not interfere with or obliterate the printed matter impressed thereon, thereby rendering the printed matter legible to persons observing the wearer.

### 2,116,412
### TRAILER VEHICLE

Frederick M. Reid, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan

Application November 1, 1937, Serial No. 172,075
6 Claims. (Cl. 280—33.1)

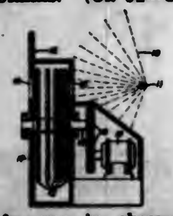


2. A semi-trailer structure comprising a substantially horizontal rear portion, ground wheels connected to said rear portion, an upwardly and forwardly offset portion connected to said horizontal portion adjacent the front thereof, and a pair of pivotal connecting means on said last named portion located at different levels thereon.

### 2,116,413
### SHIELD

Eberhard Rietsch, Hennigsdorf, Germany, assignor to General Electric Company, a corporation of New York

Application August 5, 1935, Serial No. 34,849
In Germany August 13, 1934
2 Claims. (Cl. 91—18)

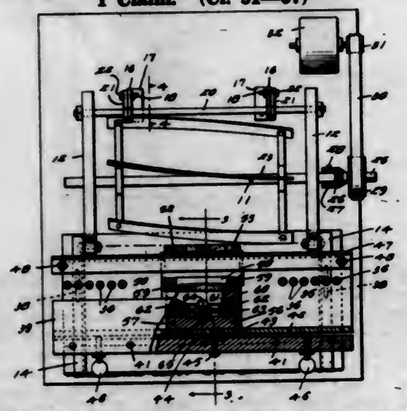


2. A shield for use in observing operations which take place with the spreading or spraying of liquid or solid particles which comprises a spindle, more than two parallel discs having registering slots therein supported on said spindle with said slots in register with one another, and a stationary member supported between said discs and the source of said liquid or solid particles with the registering slots of said discs movable across an observation opening in said member, said observation opening being of greater width than said slots.

### 2,116,414
### LAWN MOWER GRINDER

Karl H. Selin, Brooklyn, N. Y.

Application May 22, 1937, Serial No. 144,291
1 Claim. (Cl. 51—67)



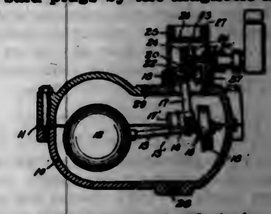
A lawn mower sharpening means comprising a base, means securing a lawn mower on the base, said means including a pair of parallel angle bars carried by said base, means securing the end frame portions of the mower to said angle bars, a pair of upstanding posts secured to said base and each provided with a slot to receive the transverse tie bar of said mower, means releasably locking said tie bar in said slots, a channelled guide member, means adjustably securing said channelled guide member on said angle bars, an elongated guide bar within said channelled guide member, means adjustably securing said guide bar in said guide member, a carriage engaging in said channelled guide member and slidably engaging said guide bar, adjustment of said guide bar adjusting the path of movement of said carriage in said guide member, an abrasive, and means engaging the carriage and abrasive adjustably securing the abrasive on said carriage.

### 2,116,415
### PACKLESS FLOAT SWITCH

Francis Shenton, Waynesboro, Pa., assignor to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania

Application April 20, 1935, Serial No. 19,081
4 Claims. (Cl. 200—84)

1. In a float operated switch for use with an electrically operated valve, means for controlling the flow of a fluid in response to liquid level, said means comprising a float chamber, a float in said chamber, a horse-shoe magnet movable by said float within said casing, two pairs of magnetic low reluctance plugs extending through said casing as stops between which the poles of said horse-shoe magnet reciprocate and with which they cooperate, said plugs also limiting both the up and down movements of the float, and movable switch elements without said casing operating through said plugs by the magnetic field created



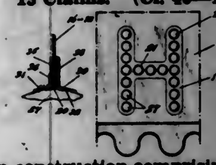
by the horse-shoe magnet when in a predetermined position.



### 2,116,416
### SIGN

Samuel Slutsky, New York, N. Y., assignor to Isidore Sherman, Brooklyn, N. Y.

Application January 22, 1937, Serial No. 121,735
15 Claims. (Cl. 40—130)



4. A sign construction comprising a sheet metal support having a front side with its rear side facing upwardly, means carried on the front face of the support forming a sign, said means including a plurality of openings extending through the support, a plurality of mounting rings, one for each opening outlining the same and tending to reinforce the same, an optical sphere mounted in each ring for conducting light from the rear of the support therethrough so as to be visible from the front of the sign as a spot of light and said spots of light coacting to form part of a letter or similar sign character forming part of the complete sign.

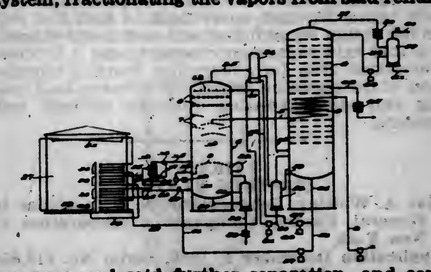
6. A sign construction comprising an upstanding support provided with a plurality of spaced apart circular openings extending therethrough, a plurality of lens mounting rings, one for each opening and each outlining its associated opening, and the inner periphery of each ring defining a portion of a sphere and forming a lens mounting, an optical lens mounted in each ring for universal articulation about its center, each lens acting to transmit light through the support as a spot of light and said spots of light coacting to form a sign character.

### 2,116,417
### COMBINED OIL CRACKING AND VISCOSITY BREAKING PROCESS

Howard V. Smith, Elderado, Kans., assignor to Skelly Oil Company, Tulsa, Okla.

Application September 11, 1936, Serial No. 100,366
9 Claims. (Cl. 196—49)

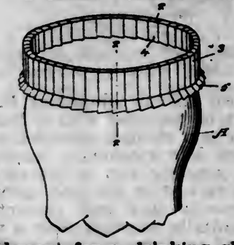
1. The method of treating hydrocarbon oil comprising cracking a clean oil distillate, discharging the cracked distillate into a high pressure separating zone admixed with reflux condensate from a refluxing zone maintained at a lower pressure than said separating zone, to rapidly separate vapors from liquids while minimizing further cracking, subjecting the separated hot vapors to reflux condensation with an incoming stream of heavier charging oil in said refluxing zone, to form said reflux condensate, subjecting the liquid from said separating zone to a mild cracking, further separating the products of said mild cracking, removing tar from the system, fractionating the vapors from said refluxing zone and said further separation, and condensing and collecting the fractionated vapors.



### 2,116,418
### ATTACHMENT FOR DRINKING VESSELS

Willard W. Smithson, Norfolk, Va.

Application May 21, 1937, Serial No. 144,055
1 Claim. (Cl. 65—13)



An attachment for a drinking glass comprising a waxed paper channeled ring like body including a rim receiving portion, inner and outer flanges depending from the rim receiving portion and cooperating therewith for disposal about the rim portion of the glass to provide a lip shield therefor, the outer flange having an outwardly flared lower end, and said body being pleated transversely throughout the circumference thereof to set up a resilient action for fitting association with the glass.

### 2,116,419
### HIGH VOLTAGE BUSHING

Lynn Wetherill, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application March 23, 1937, Serial No. 132,543
7 Claims. (Cl. 173—318)



4. A high voltage bushing including a conductor, a casing having an end cap and surrounding

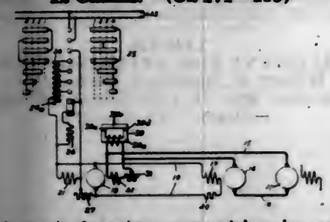
said conductor, an expansion chamber mounted directly on said end cap and communicating with said casing through an opening in said end cap, an insulating liquid filling said casing and extending into said expansion chamber, and a thermal convection stop for preventing thermal circulation of the liquid by convection between said casing and said expansion chamber through said opening.

2,116,420

**CONTROL SYSTEM**

Max A. Whiting, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 1, 1936, Serial No. 113,655
12 Claims. (Cl. 171—119)



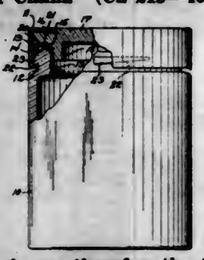
12. A control system comprising in combination, a generator provided with a field winding, an exciter for said winding provided with a separately excited field winding, a cumulative self-excited field winding and a differential series field winding excited by the load current of said generator whereby said load current is maintained substantially constant over a wide range of voltage, and an inductive shunt connected to said differential winding having a time constant that is large in comparison with the time constant of said differential winding thereby to produce overexcitation of said differential winding and rapid demagnetization of said exciter and generator in response to sudden increases in generator load so as to prevent substantial departure of said load current from the steady state characteristic value.

2,116,421

**JAR CLOSURE**

Horace V. Williams, Philadelphia, Pa.

Application December 1, 1936, Serial No. 113,731
1 Claim. (Cl. 215—40)



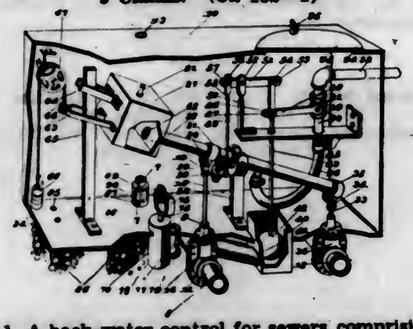
A jar and closure therefor, the former having a neck of which the upper edge is beveled interiorly and exteriorly and the latter channeled to provide walls paralleling said beveled edges when the closure is attached, and an elastic sealing ring seated upon the inner beveled edge and of a width corresponding to the width of said edge, the closure having an annular pendent flange on the undersurface of an exterior diameter corresponding to the interior diameter of the neck, and means for attaching the closure to the jar and subjecting the sealing ring to compression in so doing, the flange engaging the sealing ring on the inner periphery with the adjacent inclined wall engaging it on the upper face, the other inclined wall of the closure engaging the ring on the outer periphery as the latter is compressed.

2,116,422

**BACKWATER CONTROL FOR SEWERS**

Dennis H. Anderson, Paducah, Ky.

Application April 19, 1937, Serial No. 137,877
9 Claims. (Cl. 182—1)



1. A back-water control for sewers comprising a housing, a tube pivotally mounted intermediate its ends, a casing at one end of the tube and in communication therewith, means for supplying water to the tube and casing to cause tilting of said casing and tube, a valve controlling the supply means, a sewer pipe, a float chamber in communication with the sewer pipe, a float in the chamber and means connecting the float with the valve so that when the float rises the valve will be opened, a gate valve in the sewer pipe and connected to the tube so that when said tube is lowered the valve will be closed, a drain for the tube, and means operated by the float for opening the drain when the float is lowered.

2,116,423

**METHOD OF CRYSTALLIZATION AND CRYSTALLIZED PRODUCTS**

Chester L. Baker, Berkeley, Calif., assignor to Philadelphia Quartz Company of California, Ltd., Berkeley, Calif., a corporation of California

No Drawing. Application January 18, 1933, Serial No. 652,418
20 Claims. (Cl. 23—110)

3. In the production of a composition of matter containing a crystalline hydrate of an alkali metal silicate, the method which includes preparation of a solution which corresponds substantially to the composition desired, cooling the solution to any convenient temperature below the melting point of the crystalline hydrate, initiating crystallization thereof, finely grinding the resulting mixture of crystals and solution while simultaneously dispersing the crystals rapidly and uniformly throughout said mixture while said mixture is still in a liquid condition in such manner as to produce a resulting crystallized product substantially free from supercooled liquid and capable of being comminuted to a dry, stable, free-flowing powder.

19. As a new composition of matter, granules of interlocking crystals of an alkali metal silicate hydrate and sodium carbonate in a dry non-caking, free-flowing state, said crystals being substantially free from supercooled metastable liquid and being substantially incapable of mechanical segregation, the alkali metal silicate in said composition being at least 90 per cent crystallized and having substantially no tendency to agglomerate into solid masses.



2,116,424

**DEVICE FOR CONTROLLING TEMPERATURES IN FLUID HEATING APPARATUS**

Karl Baumann, Wilmslow, England, assignor to General Electric Company, a corporation of New York

Application February 1, 1935, Serial No. 4,493
In Great Britain February 10, 1934
4 Claims. (Cl. 236—20)



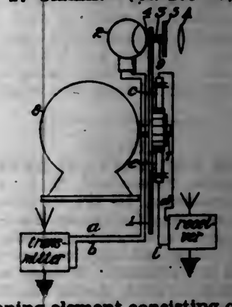
1. In a fluid heating plant, the combination of a fluid circuit including a coil through which fluid to be heated is conducted during operation, means including a valve for controlling the heating of the fluid, a hydraulic motor for moving the valve, a conduit having a discharge nozzle for conducting operating fluid under pressure to the hydraulic motor, and means co-operatively associated with the nozzle for controlling the fluid pressure in the motor, said means comprising a lever, a pad secured to the lever adjacent the nozzle, a device responsive to the temperature in the outlet of said heating coil, a pressure responsive element controlled by said temperature responsive device and forming a movable fulcrum for the lever, and another device responsive to the temperature at a point intermediate the inlet and the outlet of the coil and forming another movable fulcrum for the lever to modify the action of the first temperature responsive device.

2,116,425

**TELEVISION APPARATUS**

Aloysius J. Cawley, Pittston, Pa.

Application August 31, 1931, Serial No. 560,394
17 Claims. (Cl. 178—6)




5. A scanning element consisting of a rotatable member, a plurality of light sources and light transmitting portions arranged alternately in a spiral on said member.

2,116,426

**GUARDRAIL FOR ATHLETIC FIELDS**

Lloyd F. Cecil, Shanghai, China

Application June 3, 1936, Serial No. 83,389
16 Claims. (Cl. 273—1)



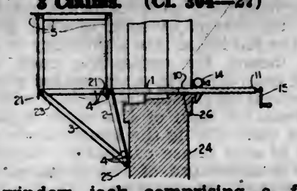
1. A guard rail for polo fields comprising a base runner arranged below the level of the ground, and a resilient rail section secured to said base runner and extending above the surface of the ground.

2,116,427

**WINDOW JACK**

Loman Adolph Duncan, Pittsburg, Kans.

Application August 12, 1935, Serial No. 35,734
3 Claims. (Cl. 304—27)



1. A window jack comprising a frame, a threaded bolt journaled in said frame, a clamping member provided with a threaded bore adapted to receive said bolt, said bolt adapted to be revolved to move said clamping member longitudinally of said frame, said clamping member being provided with a downwardly extending flange to engage a window sill and a cross bar to engage the opposite sides of the casement.

2,116,428

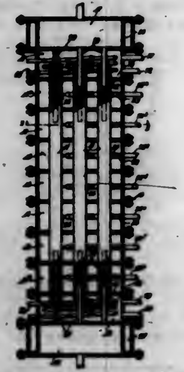
**PROCESS AND APPARATUS FOR TREATING MINERAL OILS**

Merrell R. Fenske, State College, Pa., assignor to Pennsylvania Petroleum Research Corporation, a corporation of Pennsylvania

Application June 29, 1935, Serial No. 29,161
9 Claims. (Cl. 196—13)

1. In a process for contacting a mineral oil and two solvents capable of forming two liquid phases wherein said solvents are caused to flow countercurrently to each other by virtue of a difference in density and said oil is introduced intermediate the ends of the counterflow for solution in said solvents, the steps of dividing each of said solvents into a plurality of relatively small streams, contacting said streams so that each stream of each solvent contacts one stream of the other solvent in a separate phase contacting path of relatively small cross sectional area and of substantial length, feeding said oil into said separate phase contacting paths intermediate the ends of the counterflow of solvents, precipitating components from the final phases thus produced, flowing a separate stream of each of said precipitates through each of said phase contacting paths for re-solution in said solvents, uniting the streams of the lighter of the resultant phases at the tops of said phase contacting paths, and

uniting the streams of the heavier of said resultant phases at the bottoms of said phase contacting paths.



7. Apparatus comprising a column, means for introducing liquids into said column at at least three vertically spaced points to cause at least two of said liquids to flow countercurrently to each other through said column by virtue of a difference in density such as in the treatment of mineral oils, means at each of said points for dividing the fed liquid into a plurality of separate streams, means for contacting each separate stream of each liquid in a segregated phase contacting course of substantial length with a separate stream of each of the other liquids, and means for maintaining the temperature at opposite ends of said phase contacting courses lower than the temperature of the main portions of said phase contacting courses.

2,116,429

**ASSEMBLY FOR DISCHARGE DEVICES**

Henricus Geoskens, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York

Application May 26, 1936, Serial No. 81,860

In Germany October 14, 1935

7 Claims. (Cl. 176—126)



1. The method of producing a sectional discharge tube assembly which comprises forming a flattened septum at the end of one of said sections, producing a central aperture in said septum, fusing said septum in abutting relation with the end of another of said sections and closing the free end of said first-named section with an electrode supporting cap of transition glass.

2,116,430

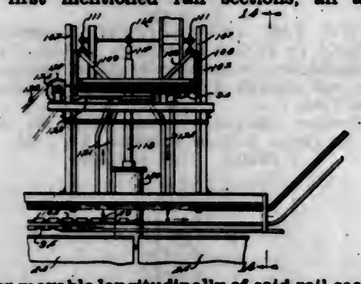
**CONVEYING MECHANISM**

Robert H. Gordon, Detroit, Mich., assignor to Parker Rust Proof Company, a corporation of Michigan

Application December 14, 1934, Serial No. 757,426

17 Claims. (Cl. 214—17)

8. In rust proofing apparatus including a rust proofing solution tank and an adjacent rinsing tank, apparatus for conveying articles through said tanks including a fixed rail section extending over each of said tanks, a vertically movable intermediate rail section extending over the adjacent end portions of said tanks and aligned with said first mentioned rail sections, an article



holder movable longitudinally of said rail sections, means located at the upper limit of movement of said intermediate rail section for moving said article holder from a position directly above said rust proofing solution tank to a position directly above said rinsing tank, and apparatus for automatically elevating said intermediate rail section when said article holder is disposed thereon.

2,116,431

**LIGHT-EXCLUDING COVER FOR BOTTLE BEVERAGE CASES**

Samuel S. Gallo and Patrick W. Browne, New Orleans, La.

Application June 22, 1937, Serial No. 149,734

4 Claims. (Cl. 217—56)



1. In combination, a bottle case of the type having hand holes in the opposite ends below the normal plane of the tops of the bottles in said case, and a light-excluding shield for said case comprising an opaque sheet member fitting in the case around the periphery thereof above the plane of the top edges of the hand holes and supported upon the bottles therein contained, having turned down side and end flanges with outward spreading tendency, resiliently engaging the inner side and end surfaces of the case, said member having tongues extending from the ends of said flanges the full width of said hand holes, passing diagonally through said hand holes, impinging against the upper and lower edges of said hand holes, said flanges being adapted to be secured to the outside of said case below said hand holes.

2,116,432

**GETTER FOR VACUUM DEVICES**

Daniel S. Gustin, Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Original application October 21, 1932, Serial No. 638,995. Divided and this application May 6, 1936, Serial No. 78,169

14 Claims. (Cl. 176—2)

11. A clean-up agent for the residual gas in a sealed container, said agent comprising a substance vaporizable when heated to combine with said gas and a barium oxide for supplying a copious amount of electrons to promote ionization of said vapor to improve its clean-up action.



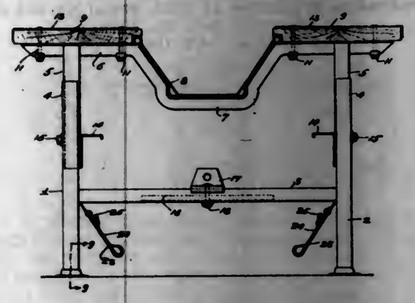
2,116,433

**POWER SEWING MACHINE TABLE**

Howard T. Hallowell, Jenkintown, Pa., assignor to Standard Pressed Steel Co., Jenkintown, Pa., a corporation of Pennsylvania

Application February 2, 1934, Serial No. 709,504

5 Claims. (Cl. 211—15)



5. In a table of the character set forth, a leg structure comprising a pair of uprights, an upper transverse member supported on said uprights and having a depressed section, a table-top element supported on said member at one side of said depressed section, an integral trough element mounted in said depressed section with an upper edge thereof underlying the inner edge portion of said table-top element, and bolts securing said table-top element to the transverse member and through the latter clamping said trough element in position.

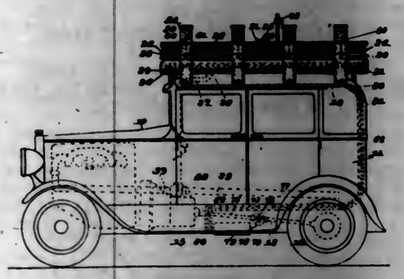
2,116,434

**DEVICE FOR STORING EXHAUST GASES IN AUTOMOBILES**

Thomas Lloyd Hollister, Miami, Fla.

Application July 29, 1937, Serial No. 156,404

9 Claims. (Cl. 180—1)



1. In an automobile having an exhaust pipe and a top, a compressible casing mounted on the top, resilient means tending to collapse the casing, fluid-operated means for expanding said casing, a drive shaft of the automobile, means actuated by the drive shaft for supplying the fluid-operated means with a fluid under pressure, and means connecting the exhaust pipe with the casing.

2,116,435

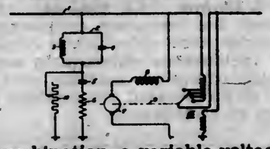
**CONTROL CIRCUIT**

Werner Krämer, Berlin-Karlshorst, Germany, assignor to General Electric Company, a corporation of New York

Application September 10, 1936, Serial No. 100,123

In Germany October 21, 1935

14 Claims. (Cl. 172—233)



2. In combination, a variable voltage alternating current circuit, a reversible single phase alternating current shunt motor having an armature and a field winding each connected to respond to the voltage of said alternating current circuit, a non-linear resonant circuit connected in series with said field winding and means for displacing by substantially ninety degrees, the phase of the current in said armature with respect to the voltage of said circuit.

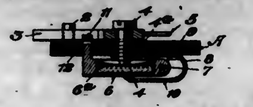
2,116,436

**THERMOSTATIC CONTROL DEVICE**

Carl E. O. Kriegstedt, Washington, D. C.

Application December 18, 1936, Serial No. 116,616

4 Claims. (Cl. 297—3)



1. A thermostatic control device including an insulating body, a stationary impact receiving member on the body, an arm on one side of the body normally spring biased to the impact receiving member, a thermal responsive element hinged to the other side of the body and spring biased thereto, a pivot for mounting said arm on the body and adjustable therein to provide an adjustable abutment for the thermal responsive element, and a detent carried by the thermal responsive element for holding and releasing said arm relative to the impact receiving member.

2,116,437

**DRY CLEANING PROCESS**

Arthur A. Levine, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 17, 1935, Serial No. 22,109

1 Claim. (Cl. 87—5)

In a process for the dry-cleaning of fabrics composed at least in part of cellulose acetate, the step which comprises contacting said fabrics with a dry-cleaning liquid composition comprising a major proportion of 1,1,2-trichlorpropene-1.

2,116,438

**DEGREASING SOLVENT**

Arthur A. Levine, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 22, 1935, Serial No. 22,817

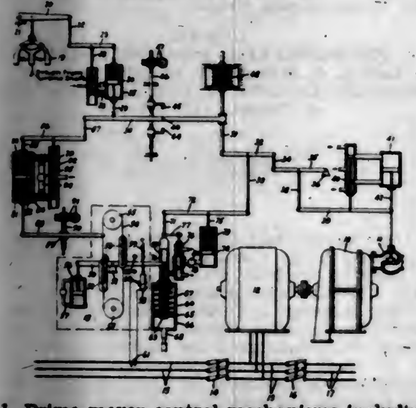
4 Claims. (Cl. 87—5)

1. A new solvent for use in the degreasing of metal objects which comprises 1,1,2-trichlorpropene-1 in admixture with a chlorinated hydrocarbon selected from the group which consists of carbon tetrachloride, trichlorethylene and perchlorethylene.

2,116,439
**CYCLIC OXIDES AND THEIR PREPARATION**
Arthur A. Levine and Oliver W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 21, 1936, Serial No. 75,647
5 Claims. (Cl. 260—54)

1. A process for preparing cyclohexene oxide from the cyclohexene chlorhydrin content of a mixture of cyclohexene chlorhydrin and cyclohexane which comprises reacting said mixture with a base at an elevated temperature near the boiling point of cyclohexane.

2,116,440
**PRIME MOVER CONTROL MECHANISM**
Arnold Maas, Berlin-Tegel, Germany, assignor to General Electric Company, a corporation of New York
Application April 1, 1937, Serial No. 134,461
In Germany April 17, 1936
6 Claims. (Cl. 290—40)



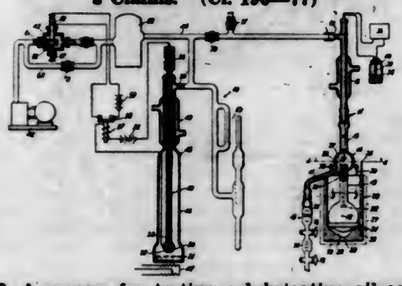
1. Prime mover control mechanisms including the combination of first means including a load governor for controlling a prime mover, second means including a speed governor for directly controlling such prime mover when the speed changes a certain value above or below normal speed, and third means connecting the first and the second means to effect prime mover control by the speed governor through the intermediary of the first means.

2,116,441
**MOP HOLDER**
Eugene E. Mason, Eugene, Oreg.
Application September 16, 1936, Serial No. 101,158
1 Claim. (Cl. 306—6)



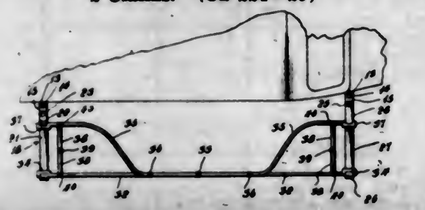
A mop holder comprising a pair of channeled mop receiving members, a pair of inverted U-shaped straps secured to the members and embracing two sides of each of the members, to reinforce the members, said straps having ears projecting from one end thereof, a handle having a forked terminal, and means for interchangeably securing the forked terminal to the straps between the mop receiving members and to the ears.

2,116,442
**TESTING OF LUBRICATING OILS**
Wilbert B. McCluer, State College, Pa., assignor to Pennsylvania Petroleum Research Corporation, a corporation of Pennsylvania
Application September 14, 1933, Serial No. 689,476
Renewed July 16, 1937
3 Claims. (Cl. 196—77)



3. A process for testing a lubricating oil comprising subjecting said oil to a low absolute pressure while subjecting said oil to uniform heating conditions sufficient to cause vaporization, the quantity of oil and the pressure being such that vaporization of the larger part of said oil takes place without any substantial decomposition, subjecting the resulting vapors to a standardized reflux under conditions avoiding any substantial cooling of said reflux below its boiling point and also avoiding superheating of said vapors, the reflux ratio being automatically varied by contacting said vapors with a metallic element of substantial and standardized mass, measuring the temperature of the rectified vapors as successive predetermined quantities of oil are distilled over, and comparing the data thus obtained with similar data obtained under identical conditions with standard reference oils.

2,116,443
**BRACKET ATTACHMENT FOR AUTOMOBILES**
James W. McMillen, Nashville, Tenn.
Application October 19, 1937, Serial No. 169,865
2 Claims. (Cl. 224—29)

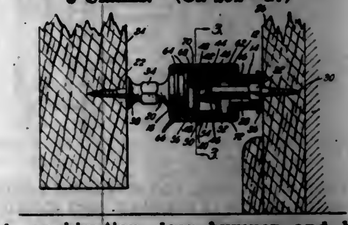


1. In a luggage carrier of the character described, the combination with the hinges of automobile doors, of a bracket supported on each hinge, a rack detachably mounted on the bracket at one side of the automobile, the rack including a pair of end supports, pins carried by each end support for detachable connection with a pair of vertically aligned brackets on one set of door



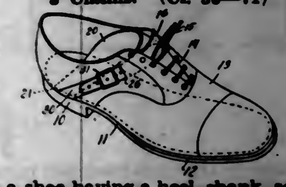
hinges, and a foldable and collapsible rack frame including a pair of spreadable end clamps at each end thereof for engagement with the adjacent end support and hinged links between the clamps of each pair for holding the end clamps spread apart and in engagement with the end supports.

2,116,444
**COMBINATION DOOR BUMPER AND HOLDER**
Louis Maier, Niles Center, Ill.
Application December 6, 1937, Serial No. 178,398
3 Claims. (Cl. 292—17)



1. A combination door bumper and holder comprising a resilient body having a bore, a latch part for entering said bore, said resilient body and said latch part being arranged for connection with a door and a fixed support, and means movable in said bore and co-operable on said latch part for latching the door in an open position upon predetermined compression of the resilient body.

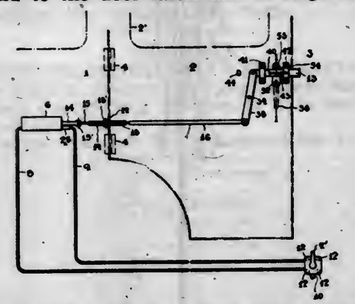
2,116,445
**ARTICLE OF FOOTWEAR**
Vida L. Moore, New York, N. Y.
Application December 18, 1937, Serial No. 180,518
In Great Britain April 29, 1937
3 Claims. (Cl. 36—71)



1. In a shoe having a heel, shank, sole and upper, means constructed and arranged to exert an upward and outward pull on the cuneiform bones and an upward and rearward pull on the metatarsals, said means consisting of a strap or sling of a width effective to substantially embrace the cuneiform bones, having one end secured within the shoe rearwardly of the heel breast and extending across the shoe, forwardly and upwardly to a position to underlie the central area of the longitudinal arch of the foot, and thence to extend over the instep, downwardly and rearwardly, and means for adjustably securing the free end thereof.

2,116,446
**APPARATUS TO OPEN OR SHUT THE DOORS OF AUTOMOBILES**
Jin Nishimura, Tokyo, Japan, assignor to Jidosha Keki Kabushiki Kaisha, Tokyo, Japan
Application June 3, 1936, Serial No. 84,223
In Japan April 30, 1936
2 Claims. (Cl. 268—3)

1. Door and latch control mechanism for motor vehicles comprising a cylinder, a piston adapted to reciprocate within said cylinder, a rod connected to said piston and projecting through one end of said cylinder, a slide member pivotally connected at one end to said connecting rod, a sleeve surrounding said slide member and connected to a door of the vehicle, lugs on said connecting rod, said sleeve having longitudinal slits intermediate its ends adapted to receive the lugs on said connecting rod, a slide rod connected at one end to the door latch and having its free



end arranged in alignment with and adjacent to the free end of the connecting rod, said slide rod being adapted to be actuated by said connecting rod in one direction, and means for subjecting said piston ultimately on opposite sides thereof to pressure and suction for actuating said connecting rod, whereby the initial movement of said rod will unlatch the door and continued movement of said rod in the same direction will swing the door to open position.

2,116,447
**NONREFILLABLE BOTTLE**
Joseph Nemar, Sr., Cleveland, Ohio
Application November 10, 1937, Serial No. 173,911
6 Claims. (Cl. 215—33)

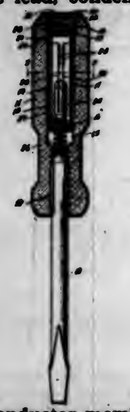


1. In a non-refillable bottle, a bottle having a relatively thin outwardly directed annular frangible flange at the mouth thereof, a sealing disk seated in the neck of the bottle below the frangible flange, a cap adapted for interlocking and non-removable mounting on the bottle, a tensioned plug carried by the cap for reception in the neck of the bottle below the flange of the bottle neck for engagement with the sealing disk, and means carried by the cap for engagement with the neck flange and prevented from separation from the plug by the position of the plug in the bottle neck.

2,116,448
**SCREW DRIVER AND VOLTAGE DETECTOR**
Frank F. O'Brien and Henry D. Menkel, Lima, Ohio
Application September 2, 1937, Serial No. 162,198
2 Claims. (Cl. 175—183)

1. A device of the class described having a body of insulation, a metallic element extending therefrom for engagement with the device being tested, said body having a bore, a metallic plug

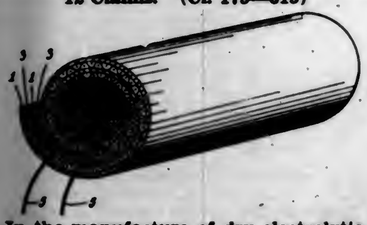
in the bore, conductors within the bore, one of said conductors leading to the plug, the other conductor leading to the element, conductor members extending one from each of the said conductors, a gas filled lamp to which the conductor members lead, condenser means associ-



ated with the conductor members, a disk of insulation to which the conductors are connected at one end, a ring of insulation to which the conductors are connected at the opposite end, a spring extending through said ring from one of the conductors to said element, and said lamp extending partly into the spring.

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2,116,449
**ELECTROLYTIC DEVICE**
Preston Robinson, Williamstown, Mass., assignor to Sprague Specialties Co., North Adams, Mass., a corporation of Massachusetts
Application June 9, 1936, Serial No. 84,341
12 Claims. (Cl. 175—315)

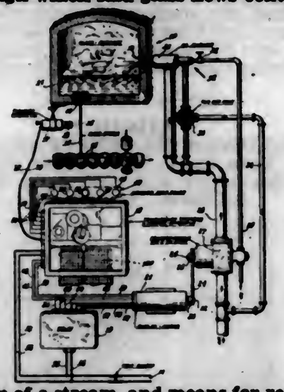


1. In the manufacture of dry electrolytic condensers, the process which comprises, electrolytically forming a film on a filming electrode in a phosphate electrolyte, and assembling said electrode in a condenser having a viscous electrolyte comprising as ionogen a borate and a small addition of phosphate.

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2,116,450
**TEMPERATURE CONTROL FOR MOLTEN STREAMS**
Henry K. Richardson, Bloomfield, and Frank A. Newcombe, Nutley, N. J., assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 28, 1934, Serial No. 759,444
19 Claims. (Cl. 236—15)

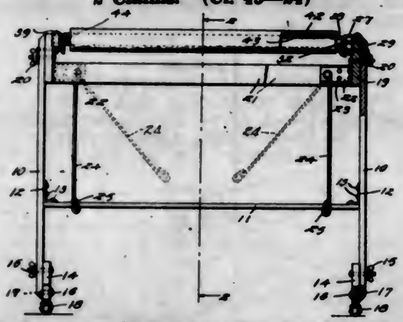
6. An apparatus for controlling the temperature of a stream of molten glass comprising a container for said glass, means for heating the glass to a molten condition, an orifice of uniform area through which said glass flows continuously



in the form of a stream, and means for regulating said heating means to maintain said stream at a constant temperature.

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2,116,451
**QUILTING FRAME**
Sidney S. Russell, St. Louis, Mo.
Application July 30, 1936, Serial No. 93,477
2 Claims. (Cl. 45—24)



1. Apparatus of the class described having uprights, a strip connecting the uprights, a quilting frame having depending plates, means connecting the plates to the uprights, U-shape resilient struts having their free ends pivotally connected to the plates, said struts intermediate their ends and at the lowermost portion being arched whereby they are resiliently engageable with the strip.

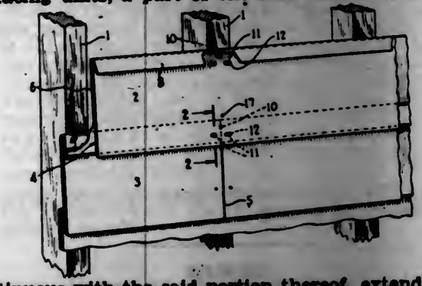
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2,116,452
**STRUCTURAL ASSEMBLY AND METHOD OF MAKING THE SAME**
George E. Shipway, Darien, Noroton, Conn., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 10, 1935, Serial No. 39,885
9 Claims. (Cl. 20—5)

1. A siding assembly of a building comprising a supporting substructure, units of facing material arranged in a plurality of horisontal courses having overlapping portions between the lower edge of one course and the upper edge of a lower course and including in each course a plurality of the facing units meeting end to end, in flush relationship, to form a vertical joint, water-impermeable flexible sheet material disposed between the supporting substructure and the facing units and



forming a continuous sheathing between all parts of individual ones of the said units and the substructure, a portion of the sheet material extending between the said overlapping portions of the facing units, a part of the sheet material, con-



tinuous with the said portion thereof, extending continuously behind the vertical joint, and means securing the facing units and sheet material to the substructure, whereby water penetrating through the said vertical joints is deflected to the outside of the course of facing units therebelow.

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2,116,453
**SIZING DEVICE FOR WINDING MACHINES**
George N. Tayler, East Providence, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application November 17, 1936, Serial No. 111,296
15 Claims. (Cl. 242—39)



1. In a winding machine, the combination of stopping mechanism therefor, a going member, a pivoted member having an arm at one side of its pivot movable into engagement with the going member to initiate the operation of the stopping mechanism and a projection at the opposite side of the pivot, and a member movable by the growth of the package being wound in direct proportion to said growth and engageable with the projection to rock the pivoted member to engage its arm with the going member.

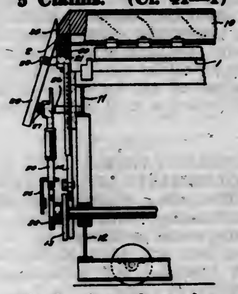
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2,116,454
**HIGHLY ACTIVE PREPARATION OF ERGOT AND PROCESS FOR MAKING SAME**
Marvin R. Thompson, Baltimore, Md.
No Drawing. Application August 16, 1934, Serial No. 740,199
4 Claims. (Cl. 87—28)

1. A process for obtaining a hitherto unknown component of ergot, consisting of mixing a predetermined quantity of powdered ergot with aqueous solution of alkali, extracting the dampened and alkaline drug with an organic solvent, and then concentrating and reducing the volume of the solution of the total alkaloidal bases in the organic solvent, adding an acid of the group consisting of sulphuric, hydrochloric and phosphoric acids, causing the conversion of the total alkaloids to their corresponding sulphates, hydrochlorides or phosphates and resulting in a substantially complete precipitation of all the alkaloids except the desired component.

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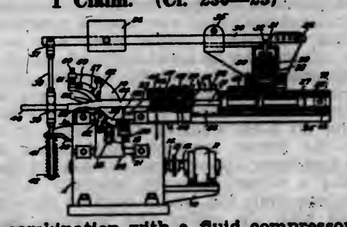
2,116,455
**PRINTING METHOD AND APPARATUS**
Albert Wagner, Trenton, N. J., assignor to Sloane-Blabon Corporation, Trenton, N. J., a corporation of Delaware
Application February 16, 1934, Serial No. 711,494
5 Claims. (Cl. 41—1)



1. The method of surface decoration which comprises depositing different liquid colors upon adjacent areas of a sheet material so as to be capable of flowing thereon, moving a block having spaced projections into contact with said colors, moving said projections laterally while thus in contact with the colors so as to draw one color across its border and irregularly into another, and removing said projections from the color.

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2,116,456
**AIR GOVERNOR**
Charles Wainwright, Erie, Pa.
Application March 25, 1936, Serial No. 70,902
1 Claim. (Cl. 230—25)



The combination with a fluid compressor, including a plurality of cylinders each having a bypass valve, of a governor for effecting the loading and unloading of said compressor bypass valves in a sequence of steps, including a reciprocable member movable in steps in accordance with the steps of the sequence of the loading or unloading of the compressor, a continuously operated reciprocating member adapted to engage said reciprocable member and move it a step at a time in either the loading or unloading sequence, and pressure controlled operating means for effecting the engagement between said reciprocable member and said continuously operated reciprocating member or disengagement thereof in accordance with the pressure of fluid compressed by the compressor.

2,116,457
**VENTILATING BUILDING BLOCK**
James H. Whitmarsh, Dallas, Tex.
Application August 23, 1937, Serial No. 160,528
3 Claims. (Cl. 72—1)



1. A building construction of the class described comprising a foundation wall, floor joists supported on said wall, a flooring overlying said joists, a cementitious ventilating building block supported on said foundation wall in the plane of said joists, a veneering of brick and the like supported on said ventilating block, and a screened ventilating opening in said block for establishing a circulation of air from the outside of said building and between said floor joists.

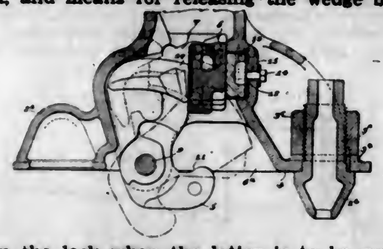
2,116,458
**SOLDERING APPARATUS**
William F. Winterling, Cambridge, Md., assignor to Phillips Packing Company, Inc., Cambridge, Md., a corporation of Maryland
Application July 23, 1936, Serial No. 92,196
6 Claims. (Cl. 113—61)



1. Apparatus for applying molten solder to the longitudinal seams of can bodies comprising in combination with a solder tank and a driven roller adapted to be partially submerged in the molten solder bath and to transfer heat and molten solder from the bath to the seam, a heating element submerged in the molten solder, extending on both sides of said roller to a level above the lowest level of submergence of said roller and being spaced from the wall of the tank, forming a solder chamber, whereby a body of solder less than the whole body of the bath, in contact with the roller and between the sides of said element, is heated to a higher temperature than the rest of the body of solder, the solder chamber of said heating element being in endwise communication with the whole body of the bath.

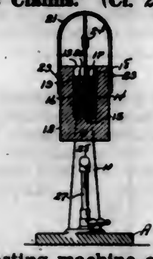
2,116,459
**TIGHT LOCK COUPLER**
Harry H. Wolfe, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application March 26, 1936, Serial No. 71,008
12 Claims. (Cl. 213—148)

2. In a tight lock coupler, a knuckle lock, a wedge block cooperating with the lock to hold it in locked position, means cooperating with the wedge block to hold it in engagement with the lock, and means for releasing the wedge block



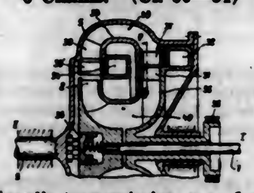
from the lock when the latter is to be moved to unlocking position.

2,116,460
**TYPE CASTING MACHINE**
Robert J. Woodruff, Duluth, Minn.
Application January 30, 1936, Serial No. 61,594
3 Claims. (Cl. 22—2)



3. A type casting machine comprising a casting box having a cavity therein, a printer's stick having one open side and a thickness less than the width of the cavity in the casting box and adapted to be received by said cavity with the bottom of the stick engaging one side wall of the cavity and being spaced from the opposite side wall of the cavity, said stick adapted to receive a plurality of matrices in stacked formation with the letter forming faces of the matrices facing said opposite side wall of the cavity and being spaced therefrom, the portion of said cavity not occupied by the stick and matrices adapted to receive molten lead, whereby the lead is brought into contact with the letter forming faces of the matrices, the bottom of said stick being tapered in the direction of its movement into the cavity in the casting box.

2,116,461
**HYDRAULIC TRANSMISSION GEAR**
Hermann Föttinger, Berlin-Wilmersdorf, Germany
Application April 4, 1934, Serial No. 719,006
In Germany April 6, 1933
6 Claims. (Cl. 60—54)

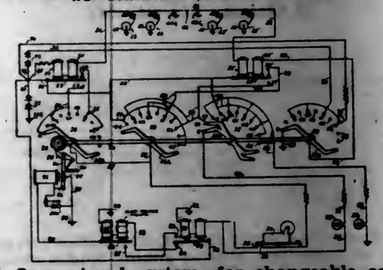


1. A hydraulic transmission gear for an intensified automatic torque increase at the start, comprising a primary pump wheel, only one



secondary wheel the inlet radius of which does not exceed the outlet radius, and the blades of which, substantially thickened at the inlet and eventually rounded off, and formed with flat angles, $\beta_2$ with the circumference at the outlet whereby the relative discharge velocity ($w_2$) and the peripheral velocity ($u_2$) at that point are of substantially the same magnitude at the normal angular speed of maximal efficiency ($n_{norm}$), a chamber connecting the outlet of the secondary wheel with the inlet of the pump wheel, guide means operable in said chamber and consisting of two rims one of which carries guide blades continually operative while the other rim carries supplementary blades for slow angular speeds of the secondary wheel, and means for rendering the supplementary blades inoperative at higher angular speeds.

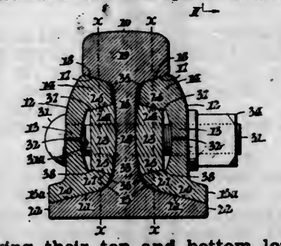
2,116,462
**AUTOMATIC ELECTRIC SIGNAL CIRCUIT**
Richard M. Hopkins, Rutherford, N. J., and Herbert M. Laford, New York, N. Y., assignors to American District Telegraph Company, New York, N. Y., a corporation of New Jersey
Application May 22, 1931, Serial No. 539,316
23 Claims. (Cl. 177—367)



1. In a signal system, for changeable conditions, having a pair of members normally respectively continuously charged and uncharged during one condition, and abnormally respectively uncharged and continuously charged during another condition, the normally uncharged member being intermittently charged during signal sending, the combination of a motive means, uninfluenced by signal impulses and operative by longer impulses; circuit control means connected with said members and motive means and normally connecting the motive means to the normally uncharged member, and operable for connecting the motive means with said members one at a time for causing the motive means to operate when the member with which the motive means is connected is the continuously charged member; and operative connections between said motive means and the circuit control means for operating said control means to disconnect the motive means from a continuously charged member and connect it with uncharged member when the motive means is operated.

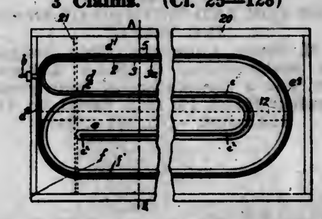
2,116,463
**TRACK RAIL JOINT**
Edmund M. Livingston, Edgewood, Pa.
Application June 18, 1936, Serial No. 85,829
8 Claims. (Cl. 238—244)

1. A track rail joint comprising a pair of vertically-expansible channel section splice bars adapted to engage, flanges first, into the hollows of the aligned rail sections, the top and bottom flanges of said bars being tapered for wedging action respectively with the rail heads and base flanges of said sections and connected by outwardly-bowed flexible webs; wedge bars with convexed backs abutting opposite sides of the vertical webs of the rail ends and in turn adapted to engage the hollows of the splice bars, said wedge



bars having their top and bottom longitudinal surfaces counter-sloped outwardly for wedging action with the in-sides of the splice bar flanges; and transverse bolts operative to draw inward upon the bowed webs of the splice bars.

2,116,464
**CORE FOR USE IN THE MOLDING OF HOLLOW ARTICLES**
Charles Bernard Mathews, Lobs Wood, Middleton, Ilkley, England, assignor of one-half to John Goldwell Ambrose, Beaconsfield, England
Application March 19, 1936, Serial No. 69,650
In Great Britain April 4, 1935
3 Claims. (Cl. 25—128)



3. A core for molding hollow concrete articles, which comprises a tube of india-rubber bent upon itself so as to have a plurality of parallel sections, an inner cover of woven material enveloping said bent tube, the top and bottom of said cover being stitched together between the parallel sections of the tube, and a second cover of flexible but inextensible material enveloping said tube and inner cover.

2,116,465
**METHOD AND MEANS FOR PERFORATING OIL WELL CASING**
Edgar W. Patterson, Los Angeles, Calif., assignor of one-half to Charles M. O'Leary, Jr., Los Angeles, Calif.
Application July 25, 1936, Serial No. 92,669
16 Claims. (Cl. 164—0.4)

1. A casing perforator including a cylindrical member, an annular series of perforating elements intermediately pivoted in the wall of said member for actuation from within the same and having cutters in the lower portions thereof, a cylinder connected to and extending above the said member, a tubular support in connection with the upper end of the cylinder for lowering the perforator into the fluid of a well and normally closed to the entrance of fluid under pressure, a fluid flow responsive actuating member including a rod having an upper piston normally subjected to balanced pressures above

and below the same in the cylinder and a lower enlarged cone normally below the perforating elements for movement upwardly therethrough to successively engage the lower and upper ends



of the perforating elements and thus actuate and retract the cutters carried thereby, and means for venting the tubular support to permit flow of fluid therein and impart an effective upward stroke to said actuating member.

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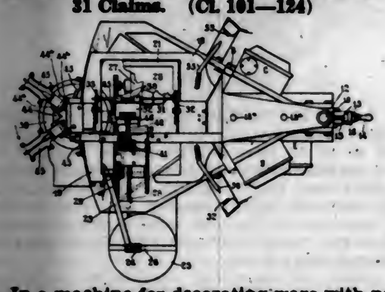
2,116,466

**MACHINE FOR AND METHOD OF DECORATING WARE**

Wilbur M. Secoy, Lancaster, Ohio, assignor, by mesne assignments, to Solar Laboratories, Beaver, Pa., a corporation of Pennsylvania

Application March 15, 1935, Serial No. 11,304

31 Claims. (Cl. 101—124)



1. In a machine for decorating ware with paint or similar material, an oscillating frame for carrying a stencil, a squeegee operating at one face of said stencil and a plurality of chucks on a rotatable column for supporting each piece of ware in succession at the opposite face of said stencil, said ware to receive paint fed through the stencil by said squeegee.

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2,116,467

**MACHINE FOR STENCILING WARE**

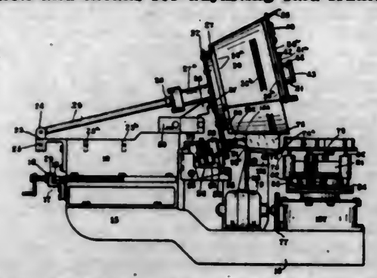
Wilbur M. Secoy, Lancaster, Ohio, assignor, by mesne assignments, to Solar Laboratories, Beaver, Pa., a corporation of Pennsylvania

Application August 22, 1935, Serial No. 37,246

Renewed August 10, 1937

23 Claims. (Cl. 101—124)

1. In a machine for decorating ware with paint or similar material, a stencil screen holder including a drum having an axis of rotation, said drum composed of a base portion and segmental stencil receiving frames pivoted to said base portion and means for adjusting said frames to



vary the inclination of the sides of the drum to the axis thereof.

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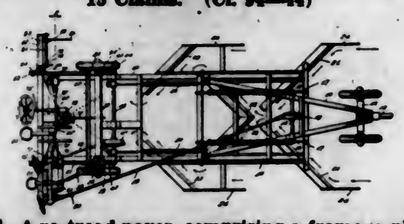
2,116,468

**RE-TREAD PAVER**

William A. Cost, Indianapolis, Ind., assignor to J. D. Adams Manufacturing Company, Indianapolis, Ind., a corporation of Indiana

Application November 9, 1934, Serial No. 752,230

15 Claims. (Cl. 94—44)



1. A re-tread paver, comprising a frame, a plurality of oppositely oblique mixing blades mounted on said frame, a wheeled support for the front end of said frame, said wheeled support being mounted for swinging movement about a vertical axis relative to said frame, a pair of steerable rear supporting wheels for said frame, a distributing blade extending generally transversely of said frame in rear of said mixing blades, a forwardly extending wing at each end of said distributing blade, and means for holding each of said wings in any the various positions of translational adjustment along the distributing blade.

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2,116,469

**PROCESS FOR REMOVING CARBIDES AND OTHER IMPURITIES FROM SLAGS**

Ernst Karwat, Grosshesselohe, near Munich, Germany, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application October 24, 1936, Serial No. 107,369. In Germany October 21, 1932

6 Claims. (Cl. 106—25.5)

1. Process for treating iron blast furnace molten slag containing an amount of carbide in excess of that which can be destroyed by air granulation of the slag, which process comprises adding to the molten slag after its separation from the metal a carbide-destroying salt chosen from the group consisting of the halides, carbonates, and sulfates of the alkali and alkaline earth metals, the amount of said added salt being enough to destroy said excess carbide but not substantially more than enough to destroy all of the carbide in the slag.



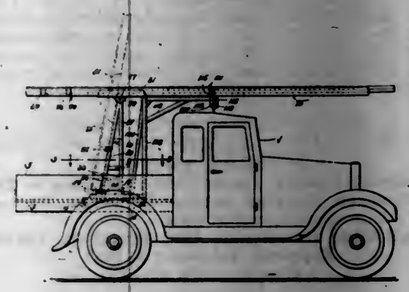
2,116,470

**PORTABLE AERIAL LADDER**

Albert J. Kiley, Belmont, and John T. Kiley, Arlington, Mass., assignors to James A. Kiley Co., Somerville, Mass., a corporation of Massachusetts

Application April 29, 1936, Serial No. 76,978

12 Claims. (Cl. 228—14)



1. An aerial ladder for vehicles having in combination a base, means fixing the base in easily-detachable relation to the body of the vehicle, a ladder rack rigidly mounted on the base and extending forward over the vehicle, a turn-table on the base, a ladder support on the turn-table, a ladder pivoted to the support, means to hold down the foot of the ladder when erected by rotation on its pivotal mounting, and means to tip the support with respect to the turn-table to change the inclination of the erected ladder.

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2,116,471

**DISPLAY DEVICE AND METHOD OF PRODUCING SAME**

Norman D. Nelson, Chicago, Ill., assignor to G. Felsenthal & Sons, Chicago, Ill., a corporation of Illinois

Application July 22, 1937, Serial No. 154,986

15 Claims. (Cl. 40—135)



15. A display device comprising a supporting base member, a layer of heat-expansible adhesive material mounted on said base member, a sheet of light-reflecting foil material of an area less than said adhesive material mounted on said layer of adhesive material, a display sheet mounted on said sheet of light-reflecting foil material, said display sheet having openings therein, a transparent celluloid cover extending over said laminae and having marginal portions adhering to marginal portions of said adhesive material, and portions of said light-reflecting foil extending into said display sheet openings.

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2,116,472

**PROCESS OF REACTING NITRILES WITH PHOSPHORUS PENTASULPHIDE**

Anderson W. Ralston, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 31, 1936, Serial No. 118,694

12 Claims. (Cl. 260—17)

1. The process which comprises reacting an aliphatic nitrile containing at least 10 carbon atoms with phosphorus pentasulphide at a temperature of about 50° C. to about 150° C.

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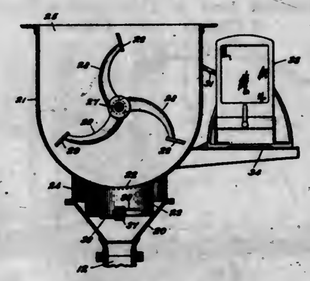
2,116,473

**APPARATUS FOR FEEDING PLASTIC CONCRETE MIXTURES TO PUMPS, ETC.**

Charles F. Ball, Wauwatosa, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application August 17, 1934, Serial No. 740,328

10 Claims. (Cl. 23—73)



3. Apparatus for feeding premixed plastic mixtures possessing stowing properties to a pump having an inlet passage and an inlet valve therein, comprising means arranged to receive and feed the mixture to said passage and valve under conditions which may compact or induce stowage thereof in the passage apart from that induced by the valve; means in the line of mixture flow and intermediate said valve and feeding means, arranged to cause said feed-induced stowage to occur before the mixture enters the passage and reaches the valve; and means for moving said last named means to cause it to relieve said feed-induced stowage.

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2,116,474

**GROUNDING DEVICE**

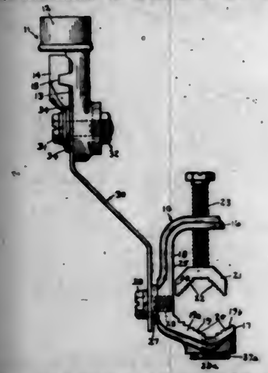
Carl G. Bondeson, Terryville, Conn., assignor to The Andrew Terry Company, Terryville, Conn., a corporation of Connecticut

Application July 15, 1933, Serial No. 680,680

5 Claims. (Cl. 247—1)

1. A ground fitting comprising a fixture; means on the fixture for receiving a grounding conductor; a V-shaped jaw solid with said fixture and adapted to engage one side of a grounding pipe or rod; a movable V-shaped jaw opposite the first-named V-shaped jaw; and a screw carrying

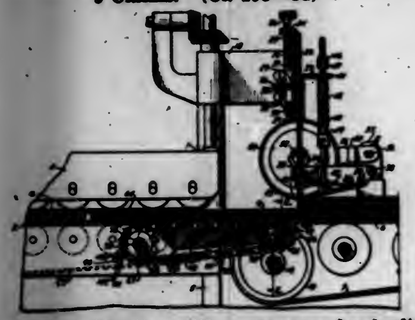
said second V-shaped jaw and threaded in the fixture to advance or retrieve the movable V-



shaped jaw, the apexes of the V-shaped jaws being offset with relation to each other.

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2,116,475
**WORK SPACING MECHANISM FOR STRIPPING MACHINES**
Dietrich Dancke, Topeka, Kans., assignor to Fred M. Brackett, Topeka, Kans.
Application May 9, 1936, Serial No. 78,888
9 Claims. (Cl. 198—34)



1. In combination with a conveyor for feeding work-pieces, a spacing member cooperating with the conveyor for spacing the work-pieces, means for moving the spacing member into and out of spacing contact with the work-pieces whereby the spacing between the work-pieces is maintained uniform incidental to the width of said spacing member, means including a frictional driving connection with the conveyor for driving said spacing member moving means, and means engageable with the spacing member for detaining movement of said moving means, said spacing member being retained in said engagement with the detaining means by said work-pieces and releasable when one of the work-pieces passes said spacing member to effect movement of said spacing member moving means.

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2,116,476
**PRICE TAG**
Frederick Kohnle, Dayton, Ohio, assignor to The Monarch Marking System Company, Dayton, Ohio, a corporation of Ohio
Application October 20, 1934, Serial No. 749,207
Renewed October 5, 1937
2 Claims. (Cl. 40—25)

1. The method of pinning a tag to a piece of merchandise, the tag clasped about a margin of the merchandise, which consists in passing a pin through the clamping portions of the tag and merchandise, bending the protruded shank portion of the pin to extend parallel to the plane of



the tag toward an end thereof, and then bending the same reversely to extend parallel to the plane of the tag and between one of the clamping portions and piece of merchandise with the point of the pin sheathed.
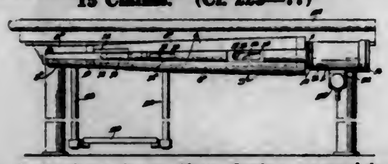
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2,116,477
**PRICE TAG**
Frederick Kohnle, Dayton, Ohio, assignor to The Monarch Marking System Company, Dayton, Ohio, a corporation of Ohio
Application October 20, 1934, Serial No. 749,208
Renewed November 9, 1937
2 Claims. (Cl. 40—25)



2. In combination with a piece of merchandise, a price tag constituting a strip of material folded over a margin of the piece of merchandise thereby providing a pair of flaps, and a single shank pin, pointed and headed respectively at its opposite ends, passing through the flaps and merchandise and emerging from one side thereof, the emerging portion of the pin bent to extend parallel to the plane of a flap and toward the folded end of the tag, and traversing through a slit cut through one of the flaps to extend the pin therebeneath for sheathing the point, and bent to an angle to prevent dislodgement through said slit.

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2,116,478
**HOSIERY INSPECTING DEVICE**
Max Poeschmann, West Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application July 17, 1936, Serial No. 91,107
15 Claims. (Cl. 223—77)



1. A hosiery inspecting device comprising a head, an elongated expansible hosiery form carried by said head and having rotative movement about its longitudinal axis relative to said head, means for expanding and contracting said form including an axially reciprocable element extending longitudinally of said form and into said head, a cylinder in said head, a piston operable in said cylinder and connected to said element for moving said element in one direction to expand said form, a spring for moving said element in the opposite direction to contract said form, a valve controlling the flow of motive fluid to and from said end of said cylinder for controlling



the operation of said form, a pair of co-operating stops within said head and carried by said head and said element respectively for limiting the form expanding movement of said element, means for varying the relation between said stops to regulate the extent of expanding movement of said element, and means operative between positions in one of which said rotative movement causes said regulating means to vary said relation between said stops, and in another of which said rotative movement is ineffective to cause said regulating means to vary said relation between said stops.

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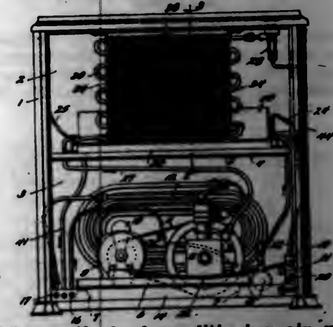
2,116,479
**INFLATED BALL**
Milton B. Reach, Springfield, Mass.
Application October 10, 1936, Serial No. 105,126
31 Claims. (Cl. 273—65)



1. A hollow ball comprising a wall composed of layers of material superposed one on another, and closure means for an opening in said laminated wall consisting of a plurality of tabs, each forming an integral continuation of its own layer, said tabs being displaced relative to their points of connection with their respective layers around the opening, filling said opening flush with the outer surface of said wall and with their edges substantially in abutting relation to the edge of the opening to make a flush joint at said opening.

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2,116,480
**METHOD AND APPARATUS FOR CONDITIONING AIR**
Russell T. Smith, Richmond, Ind., assignor to Climax Machinery Company, Indianapolis, Ind., a corporation of Indiana
Application January 17, 1936, Serial No. 59,623
12 Claims. (Cl. 62—176)

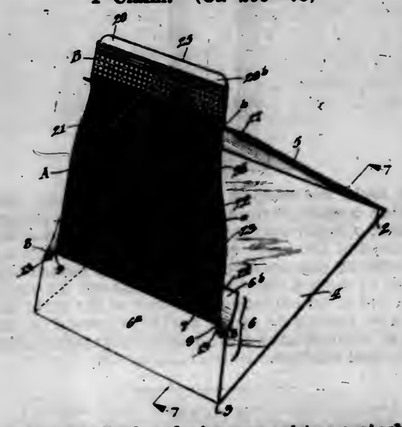


1. The method of conditioning air within a room or enclosure which comprises circulating a stream of the air through a housing within the enclosure, dehumidifying and cooling the stream of air, ionizing a portion of the air within the housing, and mixing with the stream of cooled air a larger volume of tempering air from the enclosure at higher temperature before the combined air stream leaves the housing.

8. A unitary air conditioning apparatus for conditioning the confined volume of air within an enclosure comprising a cabinet having an air inlet opening and an air outlet opening, a cooling evaporator having a plurality of parallel vertical extended fins overlying the air inlet opening, said fins being spaced from ten to fifteen to the inch to define restricted air passages through the evaporator, an ozone generator within the cabinet and a circulating fan for circulating air from the cabinet through the air outlet opening into the lower strata of the enclosure, said fan and cooling evaporator being so arranged that the circulating stream of air induced by the fan maintains the surfaces of the fins free from moisture accumulations.

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2,116,481
**DISPLAY FOLDER FOR ARTICLES OF WEARING APPAREL**
John W. Sweeney, West Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application May 8, 1936, Serial No. 78,547
1 Claim. (Cl. 206—78)



A hosiery display device comprising a stocking form shaped to depict the upper calf and under knee portions of a human leg, an upper leg portion of a stocking stretched on said form and including an elastic garter top resiliently embracing said form adjacent the upper edge thereof, the upper leg portion of the stocking being turned about the lower edge of the form, a base, a form-receiving section extending upwardly from the base and from which said form with the upper portion of the stocking thereon projects as a continuation thereof, and a brace section extending upwardly from said base and engaging the stocking on the form above the upper edge of said form-receiving section.

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2,116,482
**METHOD OF PRODUCING FERMENTING AGENT**
Charles von Friedrich, Valdese, N. C., assignor, by mesne assignments, to John P. Rostan, Valdese, N. C.
No Drawing. Application April 8, 1936, Serial No. 73,303
8 Claims. (Cl. 195—66)

3. That method of preparing from yeast cells a stable fermenting agent which will remain stable over long periods of time without being kept in a refrigerated atmosphere and consisting essentially of the enzymes invertase and zymase,

which comprises subjecting the yeast cells to a combined abrading and pressure operation to rupture the same and limiting the pressure to a point below that which will force the harmful enzyme endotryptase from the cells, then subjecting the ruptured mass of cells to a filtering operation under a pressure which is less than one hundred pounds per square inch to remove from the yeast cells the enzymes invertase and zymase but which pressure is not sufficient to remove from the yeast cells the enzyme endotryptase, which is harmful to the enzymes invertase and zymase.

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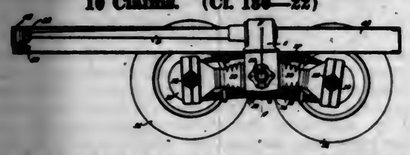
2,116,483
**MOLD**
Clyde E. Williams and Clarence H. Lorig, Columbus, Ohio, assignors to The Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
Application December 19, 1934, Serial No. 758,275
1 Claim. (Cl. 22—129)



A mold for casting iron or steel ingots comprising a body portion composed of cast iron and having a mold cavity formed therein, and a base for closing the lower end of said mold cavity, said base being composed of copper, said copper base being of such a size that it will extend outwardly past the inner surface of the wall of the mold cavity and having its upper surface exposed so that metal poured into the mold cavity will contact with said surface.

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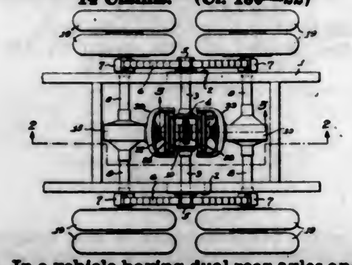
2,116,484
**TANDEM AXLE UNIT AND SUSPENSION THEREFOR**
Solomon F. Baker, Detroit, Mich., assignor to Patent Developers, Inc., Detroit, Mich., a corporation of Michigan
Application May 25, 1936, Serial No. 81,663
10 Claims. (Cl. 180—22)



6. In a vehicle having dual rear axles, a main frame, a transmission and housing therefor residing between said axles, drive shafts each having a universal joint in the length thereof extending from said transmission to each of said axles, brackets on said frame, rigid members extending from said housing past said brackets for rigid attachment thereto, the outer ends of said members constituting trunnions, a cap for each of said trunnions having upper and lower spring receiving faces, springs seated on said faces and extending fore and aft of said trunnions for attachment to said axles, said caps, springs and axles being rockable about said trunnions thereby imposing various angularities on said universal joints, said housing being tilted forwardly thereby reducing the possible upward deflection of the front universal joint and increasing the possible upward deflection of the rear universal joint, said frame being inclined downwardly at its front end and constituting a stop for limiting the upward deflection of said front universal joint to a predetermined safe degree.

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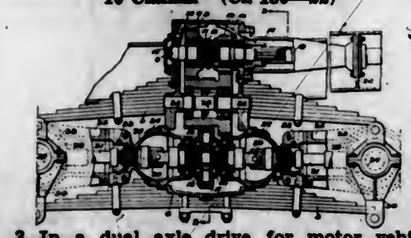
2,116,485
**TORQUE DEVICE FOR TANDEM UNITS**
Norman Van Husen, Detroit, Mich., assignor, by mesne assignments, to Patent Developers, Inc., Detroit, Mich., a corporation of Michigan
Application May 25, 1936, Serial No. 81,679
14 Claims. (Cl. 180—22)



1. In a vehicle having dual rear axles and housings therefor, a train of gearing, a housing for said gearing disposed between said axles, extensible short shafts each having a universal joint interposed in the length thereof for driving said axles from said gearing, and means carried by each of said axle housings and operatively connected to said gear housing in such manner as to oppose turning moments in said axle housings, each of said means being rigidly connected with its associated axle housing, lengthwise slidable with respect to said gear housing to permit movement of the axle toward and away from said gear housing, and rotatable relatively to said gear housing about the axis of the associated short shaft to permit tilting of the axle relatively to said gear housing.

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2,116,486
**DUAL AXLE UNIT**
Solomon F. Baker, Detroit, Mich., assignor, by mesne assignments, to Patent Developers, Inc., Detroit, Mich., a corporation of Michigan
Application November 19, 1936, Serial No. 111,735
10 Claims. (Cl. 180—22)



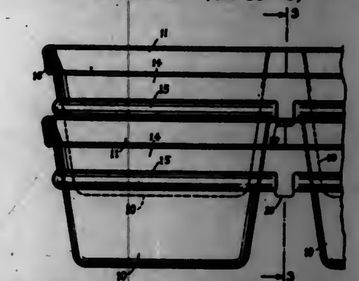
3. In a dual axle drive for motor vehicles wherein the vehicle propeller shaft drives said axles through a transmission located between the axles, a gear casing located between said dual driving axles, trunnion members extending laterally from the lower portion of said casing and supporting the latter from the vehicle frame, a driving shaft rotatably mounted in the upper portion of said casing and operatively connected with the vehicle propeller shaft, a second shaft



mounted in the intermediate portion of said casing between the horizontal axial planes of said driving shaft and trunnion members, intermeshed gears mounted on said shafts, means mounted in the lower portion of said casing for transmitting driving torque from said gears to the driving axles, and a rigid element secured both to the upper portion of said casing and to a fixed portion of the vehicle frame so as to oppose rotative movement of said casing with respect to the axis of said trunnion members.

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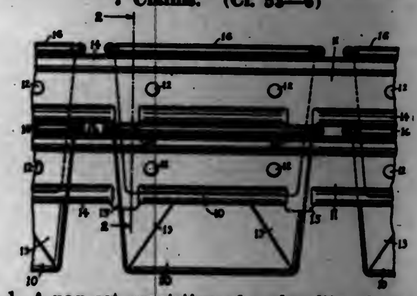
2,116,487
**SEAMLESS BAKING PAN SET**
Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1937, Serial No. 120,397
5 Claims. (Cl. 53—6)



1. A baking pan set consisting of a series of individual baking pans held in spaced parallel positions by a strap coacting with the exposed walls thereof, horizontal coplanar abutting flanges carried at the edges of the adjacent side walls of adjoining pans and spanning the space between pans, said flanges having a substantially triangular aperture therein at the end thereof adjacent said strap, and a depending ear on the lower edge of said strap in approximate vertical alignment with the base of said triangular aperture.

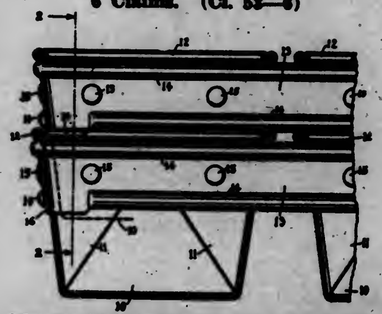
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2,116,488
**CENTERING PAN SET**
Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1937, Serial No. 120,398
7 Claims. (Cl. 53—6)



1. A pan set consisting of a plurality of spaced baking pans and a strap coacting with the end walls of said pans to secure them one to the other in a spaced parallel relation, and a pair of ears formed on said strap adapted to enter a pan of a lower set upon the nesting of two or more sets.

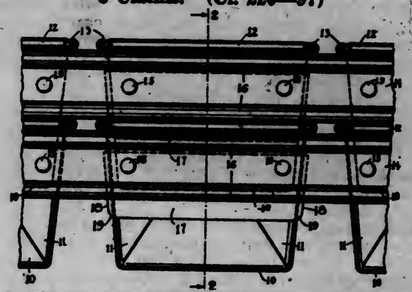
2,116,489
**BAKING PAN SET**
Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1937, Serial No. 120,399
Renewed March 3, 1938
6 Claims. (Cl. 53—6)



1. The combination with a pan set consisting of a plurality of individual baking pans and a rectangular frame surrounding and secured to said pans, of ears formed at the corners of said frame, extending over and bearing flush against portions of the exposed walls of the end pans of the set adjoining the corners of said frame.

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2,116,490
**CENTERING PAN SET**
Arthur Katzinger, Glencoe, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1937, Serial No. 120,402
3 Claims. (Cl. 220—97)



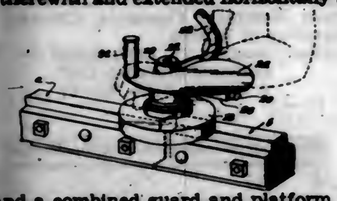
1. The combination with a plurality of baking pans, of a strap resting against the exposed walls of said pans, means for securing the strap to said pans to combine them in a set, and a plate interposed between a pan wall and the strap and held in place by the means securing the strap to the pan, said plate being longer than the width of the adjacent portion of the pan wall and wider than the strap, and having its transverse ends lying in planes substantially parallel to the walls of the pan.

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2,116,491
**ANGLE GRINDING SPINDLE**
Arthur William Mall, Chicago, Ill.
Application December 19, 1936, Serial No. 116,770
4 Claims. (Cl. 51—170)

1. Apparatus of the class described comprising an angle shaped casing having a vertical drive spindle therein, a flexible drive shaft for said spindle extending from a side of said casing, a

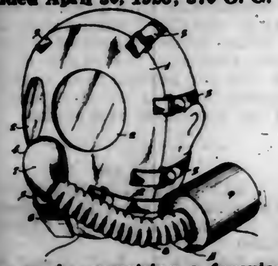
face grinding wheel secured to the lower end of said spindle, a handle on said casing formed integral therewith and extended horizontally there-



from and a combined guard and platform member secured on the top of said handle and extended over only one side of said grinding wheel.

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**2,116,492**
**GAS MASK**
**Armand V. Metsinger, Aberdeen, Md.**
**Application February 10, 1937, Serial No. 125,682**
**7 Claims. (Cl. 128—141)**
**(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)**

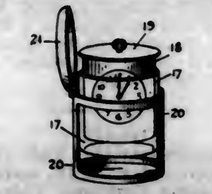


1. A gas mask comprising a facepiece, means to hold the facepiece in engagement with the face of a wearer, and an air-purifying canister, said canister being connected to the facepiece at separated points and adapted to rest upon the shoulder of the wearer.

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**2,116,493**
**WATCH**
**Frank Wachter, New York, N. Y.; Theresia Maria Wachter administratrix of said Frank Wachter, deceased**
**Application November 30, 1931, Serial No. 577,941**
**In Great Britain December 2, 1930**
**4 Claims. (Cl. 58—88)**

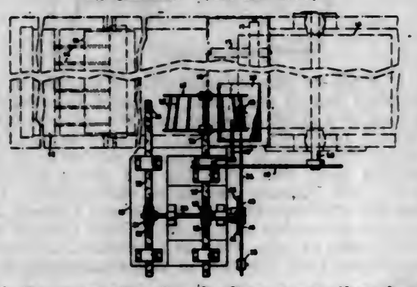
1. A watch comprising a movement with dial, a transparent tubular watch crystal of a form and construction adapted to receive the movement and dial edgewise, means closing the ends of the tubular crystal, including at one end means attached to the watch movement and adapted to register with that end of the crystal to hold the movement in a predetermined position in the




crystal, and a frame adapted to partially surround the tubular crystal with an opening extending substantially throughout one side and adapted when assembled to provide visibility throughout that side of the works having a superposed dial.

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**2,116,494**
**AUTOMATIC CLOTH FEED CONTROL**
**Max Wiedemann, Rutherford, N. J., assignor of one-half to Charles P. Hebenstreit, Clifton, N. J.**
**Application September 22, 1937, Serial No. 165,066**
**12 Claims. (Cl. 68—177)**

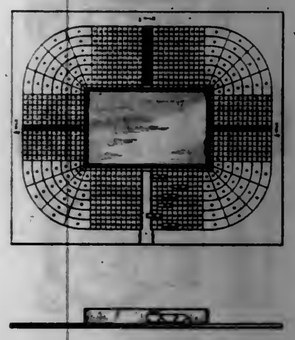


1. In apparatus for feeding an endless band of material through liquid contained in a suitable vat therefor, said apparatus including a rotatable pleating feed reel and guides for moving the material through the vat: a conical surface compensating reel for the material and driven from said pleating reel in withdrawing the material from the vat, and means to effect a displacement of the material relatively to the periphery of the reel in passing thereover.

# DESIGNS

MAY 3, 1938

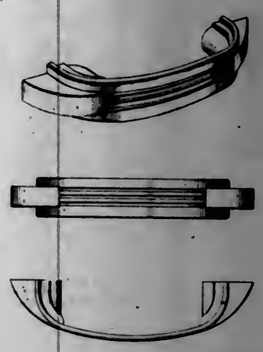
**109,463**
**DESIGN FOR A GAME BOARD**
**Arthur Adlers, Chicago, Ill.**
**Application February 19, 1938, Serial No. 75,266**
**Term of patent 7 years**



The ornamental design for a game board as shown.

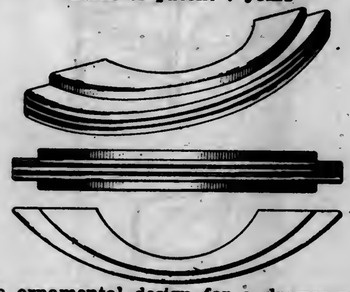
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**109,464**
**DESIGN FOR A DRAWER PULL OR SIMILAR ARTICLE**
**Gedor W. Aldeen, Rockford, Ill., assignor to American Cabinet Hardware Corp., Rockford, Ill., a corporation of Illinois**
**Application February 16, 1938, Serial No. 75,168**
**Term of patent 7 years**



The ornamental design for a drawer pull or similar article substantially as shown.

**109,465**
**DESIGN FOR A DRAWER PULL OR SIMILAR ARTICLE**
**Gedor W. Aldeen, Rockford, Ill., assignor to American Cabinet Hardware Corp., Rockford, Ill., a corporation of Illinois**
**Application February 16, 1938, Serial No. 75,169**
**Term of patent 7 years**



The ornamental design for a drawer pull or similar article substantially as shown.

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**109,466**
**DESIGN FOR A DRAWER PULL OR SIMILAR ARTICLE**
**Gedor W. Aldeen, Rockford, Ill., assignor to American Cabinet Hardware Corp., Rockford, Ill., a corporation of Illinois**
**Application February 16, 1938, Serial No. 75,170**
**Term of patent 7 years**



The ornamental design for a drawer pull or similar article substantially as shown.

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**109,467**
**DESIGN FOR A DISPLAY STAND**
**Henry Armstrong, Montreal, Quebec, Canada**
**Application July 6, 1937, Serial No. 70,286**
**Term of patent 14 years**



The ornamental design for a display stand, substantially as shown.

**109,468**
**DESIGN FOR AN UPHOLSTERED CHAIR OR SIMILAR ARTICLE**
Alfons Bach, New York, N. Y.
Application February 24, 1938, Serial No. 75,385
Term of patent 7 years



The ornamental design for an upholstered chair or similar article, as shown and described.

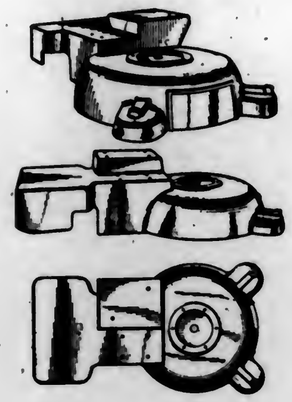
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**109,469**
**DESIGN FOR A HAT**
Sam Berman, Brooklyn, N. Y.
Application September 30, 1937, Serial No. 71,884
Term of patent 7 years



The ornamental design for a hat, as shown.

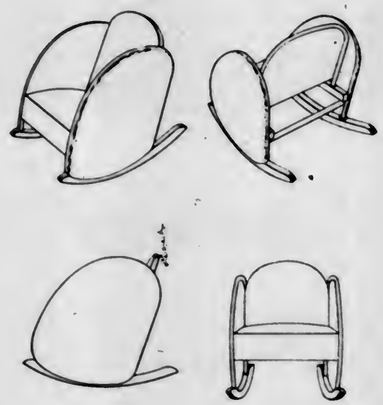
**109,470**
**DESIGN FOR A HOUSING FOR FLOOR TREATING MACHINE**
Arthur P. Boller, Oak Park, Ill., assignor to S. C. Lawlor Company, Chicago, Ill., a corporation of Illinois
Application March 9, 1938, Serial No. 75,694
Term of patent 14 years



The ornamental design for a housing for floor treating machine, as shown.

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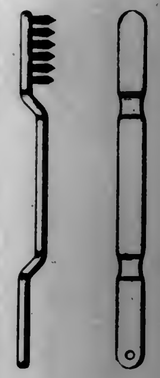
**109,471**
**DESIGN FOR A CHAIR**
William Gerhard Carlson, Gardner, Mass., assignor to Hedstrom-Union Company, Gardner, Mass., a corporation of Massachusetts
Application February 17, 1937, Serial No. 67,721
Term of patent 3½ years



The ornamental design for a chair as shown.



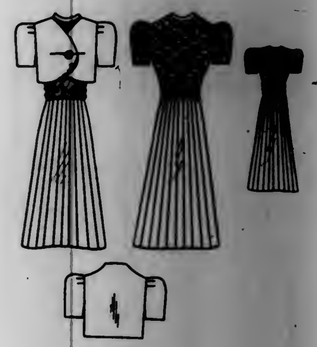
**109,472**
**DESIGN FOR A TOOTH BRUSH**
Harry Clarren, New York, N. Y.
Application July 30, 1937, Serial No. 70,757
Term of patent 14 years



The ornamental design for a tooth brush substantially as shown and described.

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**109,473**
**DESIGN FOR A DRESS ENSEMBLE**
Tora Coleman, New York, N. Y.
Application March 11, 1938, Serial No. 75,748
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

**109,474**
**DESIGN FOR A WASTEBASKET**
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application September 30, 1936, Serial No. 65,067
Term of patent 7 years



The ornamental design for a wastebasket, substantially as shown and described.

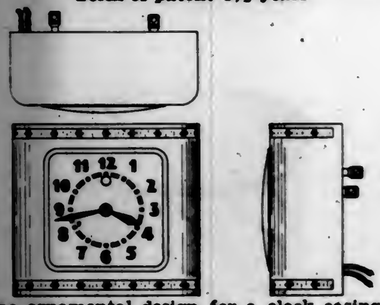
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**109,475**
**DESIGN FOR A MUSICAL TOP**
Wallace Cross, Chicago, Ill.
Application February 14, 1938, Serial No. 75,122
Term of patent 7 years



The ornamental design for a musical top, as shown.

**109,476**
**DESIGN FOR A CLOCK CASING**
**Paul G. Darret, Southbury, Conn., assignor to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware**
**Application March 16, 1938, Serial No. 75,866**
**Term of patent 3½ years**



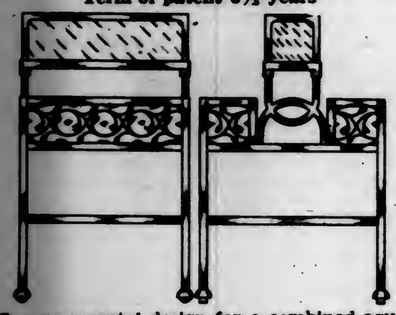
The ornamental design for a clock casing, as shown.

**109,477**
**DESIGN FOR A CONDIMENT SHAKER**
**Michael S. Desser, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio**
**Application October 30, 1936, Serial No. 65,595**
**Term of patent 14 years**



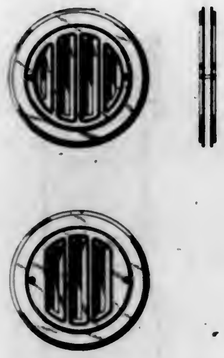
The ornamental design for a condiment shaker, substantially as shown.

**109,478**
**DESIGN FOR A COMBINED AQUARIUM AND FLOWER STAND**
**Robert Furrey, Council Bluffs, Iowa**
**Application January 22, 1938, Serial No. 74,478**
**Term of patent 3½ years**



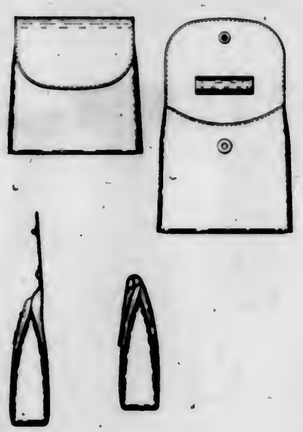
The ornamental design for a combined aquarium and flower stand, as shown.

**109,479**
**DESIGN FOR A VENTILATOR**
**Jacob M. Goldberg, Denver, Colo.**
**Application February 28, 1938, Serial No. 75,479**
**Term of patent 14 years**



The ornamental design for a ventilator, as shown.

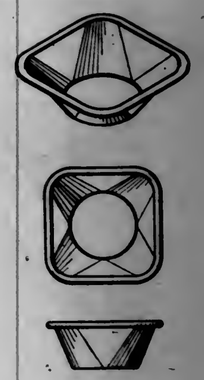
**109,480**
**DESIGN FOR A SAFETY RAZOR CASE**
**Lewis W. Harlem, Quincy, Mass., assignor to American Traveling Goods Co., Inc., Boston, Mass., a corporation of Massachusetts**
**Application February 21, 1938, Serial No. 75,299**
**Term of patent 3½ years**



The ornamental design for a safety razor case as shown and described.

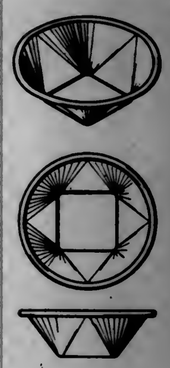


**109,481**
**DESIGN FOR A BAKE PAN**
**Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois**
**Application February 21, 1938, Serial No. 75,295**
**Term of patent 14 years**



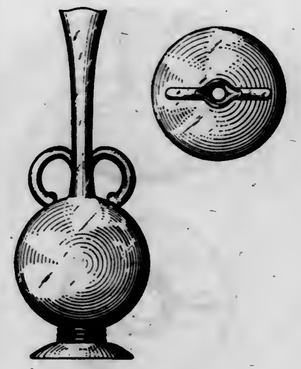
The ornamental design for a bake pan, as shown.

**109,482**
**DESIGN FOR A BAKE PAN**
**Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois**
**Application February 21, 1938, Serial No. 75,296**
**Term of patent 14 years**



The ornamental design for a bake pan, as shown.

**109,483**
**DESIGN FOR A VASE OR SIMILAR ARTICLE**
**Rowena Reed Kostellow, Pittsburgh, Pa., assignor to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania**
**Application February 5, 1938, Serial No. 74,898**
**Term of patent 3½ years**



The ornamental design for a vase or similar article, substantially as shown.

**109,484**
**DESIGN FOR A JUG OR SIMILAR ARTICLE**
**Rowena Reed Kostellow, Pittsburgh, Pa., assignor to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania**
**Application February 5, 1938, Serial No. 74,899**
**Term of patent 3½ years**



The ornamental design for a jug or similar article, substantially as shown.

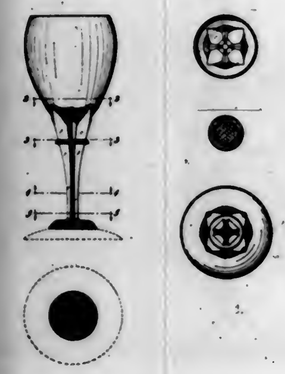
**109,485**
**DESIGN FOR A WATER PITCHER OR SIMILAR ARTICLE**
Rowena Reed Kostellow, Pittsburgh, Pa., assignor to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 5, 1938, Serial No. 74,900
Term of patent 3½ years



The ornamental design for a water pitcher or similar article, substantially as shown.

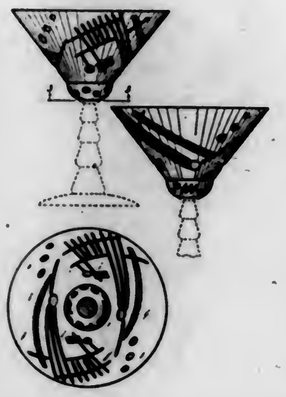
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**109,486**
**DESIGN FOR A GOBLET OR SIMILAR ARTICLE**
Rowena Reed Kostellow, Pittsburgh, Pa., assignor to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 16, 1938, Serial No. 75,180
Term of patent 3½ years



The ornamental design for a goblet or similar article, substantially as shown and described.

**109,487**
**DESIGN FOR A GOBLET OR SIMILAR ARTICLE**
Rowena Reed Kostellow, Pittsburgh, Pa., assignor to United States Glass Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application February 16, 1938, Serial No. 75,183
Term of patent 3½ years



The ornamental design for a goblet or similar article, substantially as shown and described.

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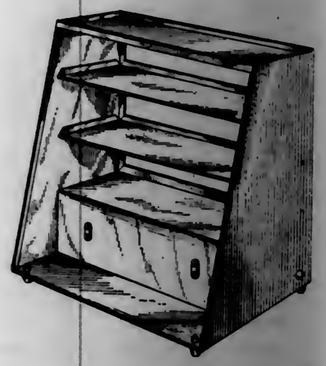
**109,488**
**DESIGN FOR A DRESS**
Samuel Kronenfeld, Brooklyn, N. Y.
Application February 21, 1938, Serial No. 75,316
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.



**109,489**
**DESIGN FOR A DISPLAY STAND**
Herman E. Lacy, Chicago, Ill.
Application February 26, 1938, Serial No. 75,425
Term of patent 14 years



The ornamental design for a display stand, as shown.

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**109,490**
**DESIGN FOR A PLATE OR SIMILAR ARTICLE**
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application February 11, 1938, Serial No. 75,064
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

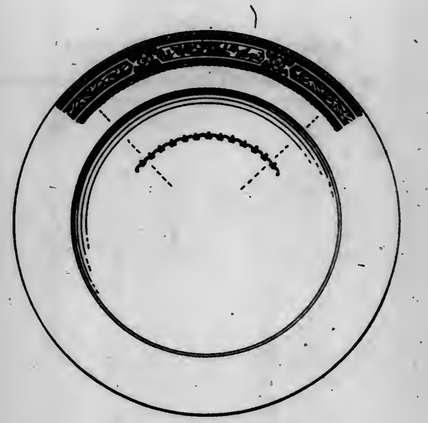
**109,491**
**DESIGN FOR A PLATE OR SIMILAR ARTICLE**
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application February 11, 1938, Serial No. 75,066
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

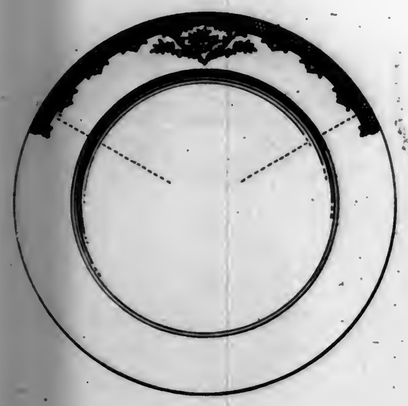
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**109,492**
**DESIGN FOR A PLATE OR SIMILAR ARTICLE**
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application February 11, 1938, Serial No. 75,067
Term of patent 7 years



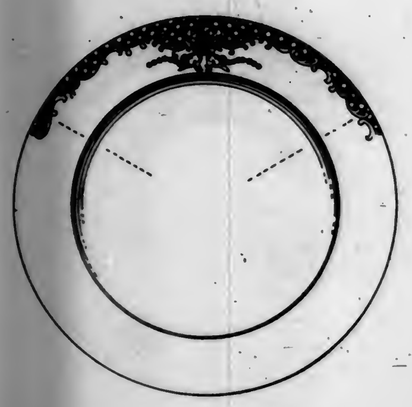
The ornamental design for a plate or similar article, as shown and described.

109,493
**DESIGN FOR A PLATE OR SIMILAR ARTICLE**
Cyril W. Leigh, East Orange, N. J., assignor to Meriwara Bros. Inc., New York, N. Y., a corporation of Japan
Application February 11, 1938, Serial No. 75,068
Term of patent 7 years



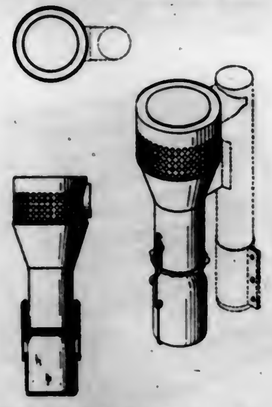
The ornamental design for a plate or similar article, as shown and described.

109,494
**DESIGN FOR A PLATE OR SIMILAR ARTICLE**
Cyril W. Leigh, East Orange, N. J., assignor to Meriwara Bros. Inc., New York, N. Y., a corporation of Japan
Application February 11, 1938, Serial No. 75,069
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

109,495
**DESIGN FOR AN AIR CLEANER**
Alexander Marshall, Portland, Oreg.
Application September 14, 1937, Serial No. 71,613
Term of patent 14 years



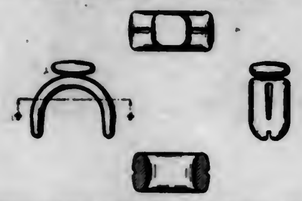
The ornamental design for an air cleaner, as shown and described.

109,496
**DESIGN FOR A CAKE OF SOAP OR THE LIKE**
Frank McIntosh, New York, N. Y., assignor to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application August 24, 1937, Serial No. 71,296
Term of patent 7 years



The ornamental design for a cake of soap or the like, substantially as shown.

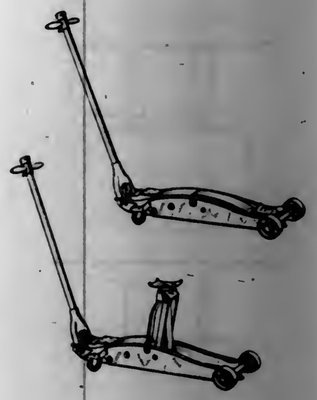
109,497
**DESIGN FOR A DENTAL FLOSS HOLDER**
John H. Mercom, Long Beach, Calif.
Application February 21, 1938, Serial No. 75,293
Term of patent 14 years



The ornamental design for a dental floss holder substantially as shown.

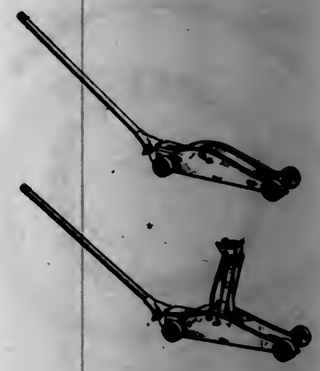


109,498
**DESIGN FOR A JACK**
Edward M. Pfanner, Elm Grove, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 27, 1937, Serial No. 67,907
Term of patent 7 years



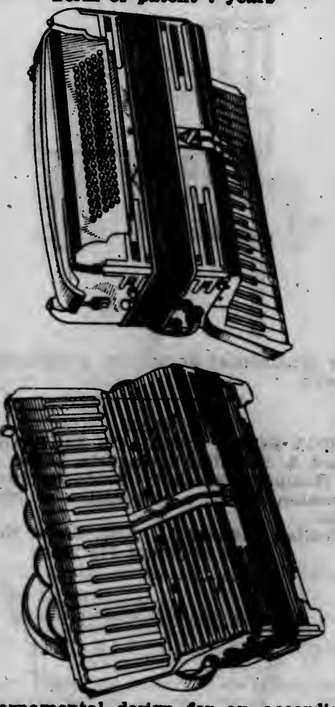
The ornamental design for a jack, as shown and described.

109,499
**DESIGN FOR A JACK**
Edward M. Pfanner, Elm Grove, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application March 4, 1937, Serial No. 67,982
Term of patent 7 years



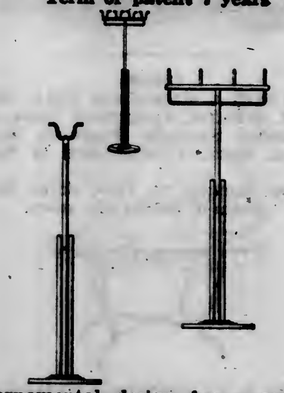
The ornamental design for a jack, as shown and described.

109,500
**DESIGN FOR AN ACCORDION OR SIMILAR ARTICLE**
Franklin Robbins, New York, N. Y., assignor to New York Band Instrument Co., Inc., New York, N. Y., a corporation
Application January 26, 1938, Serial No. 74,574
Term of patent 7 years



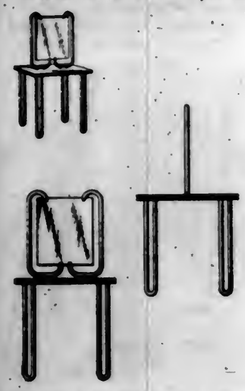
The ornamental design for an accordion or similar article substantially as shown.

109,501
**DESIGN FOR A COSTUMER**
Irving Salomon, Chicago, Ill.
Application March 5, 1938, Serial No. 75,591
Term of patent 7 years



The ornamental design for a costumer as shown.

109,502
**DESIGN FOR A MILLINERY TABLE**
Irving Salemen, Chicago, Ill.
Application March 10, 1938, Serial No. 75,718
Term of patent 7 years



The ornamental design for a millinery table as shown.

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109,503
**DESIGN FOR A TABLE OR LIKE ARTICLE**
Edward A. Schaffer, Springfield, Mass., assignor to Hampden Specialty Products, Inc., Easthampton, Mass., a corporation of Massachusetts
Application January 11, 1938, Serial No. 74,202
Term of patent 3½ years



The ornamental design for a table or like article, as shown.

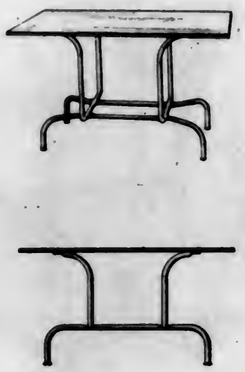
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109,504
**DESIGN FOR A TABLE OR LIKE ARTICLE**
Edward A. Schaffer, Springfield, Mass., assignor to Hampden Specialty Products, Inc., Easthampton, Mass., a corporation of Massachusetts
Application January 11, 1938, Serial No. 74,203
Term of patent 3½ years



The ornamental design for a table or like article, as shown.

109,505
**DESIGN FOR A TABLE OR LIKE ARTICLE**
Edward A. Schaffer, Springfield, Mass., assignor to Hampden Specialty Products, Inc., Easthampton, Mass., a corporation of Massachusetts
Application January 11, 1938, Serial No. 74,204
Term of patent 3½ years



The ornamental design for a table or like article, as shown.

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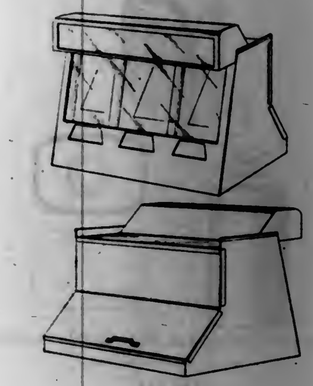
109,506
**DESIGN FOR A PLATE OR SIMILAR ARTICLE**
Victor Skellern, Fenton, Stoke-on-Trent, England, assignor to Josiah Wedgwood & Sons, Inc., New York, N. Y., a corporation of New York
Application March 2, 1938, Serial No. 75,532
Term of patent 7 years



The ornamental design for a plate or similar article as shown and described.



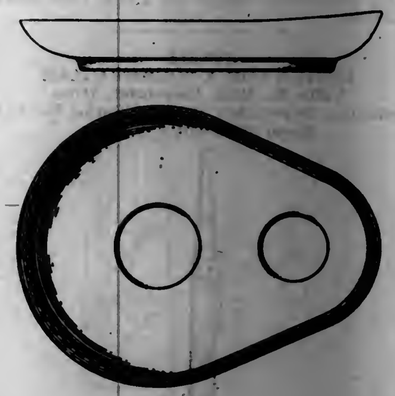
109,507
**DESIGN FOR A COMBINED DISPLAY AND SALES CASE**
James F. Urbanek, Elmwood Park, Ill.
Application September 30, 1937, Serial No. 71,689
Term of patent 14 years



The ornamental design for a combined display and sales case, substantially as shown.

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109,508
**DESIGN FOR A SAUCER**
Gisela Wood, San Francisco, Calif.
Application April 24, 1937, Serial No. 68,964
Term of patent 7 years



The ornamental design for a saucer, substantially as shown.



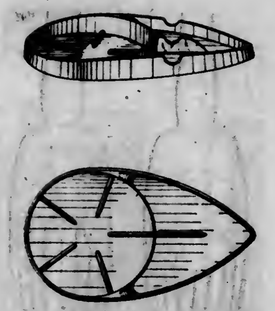
109,509
**DESIGN FOR A LAMP**
Albert L. Arenberg, Chicago, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application December 16, 1937, Serial No. 73,646
Term of patent 14 years



The ornamental design for a lamp, as shown.

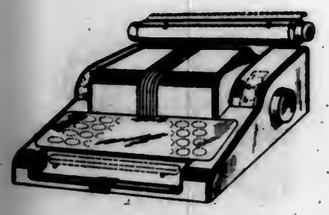
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109,510
**DESIGN FOR A COMBINATION COASTER AND ASHTRAY**
Stuart Frederick Bowen, Glen Ridge, N. J.
Application March 5, 1938, Serial No. 75,614
Term of patent 3½ years



The ornamental design for a combination coaster and ashtray, as shown.

**109,511**
**DESIGN FOR A PORTABLE TYPEWRITER**
Richmond L. Chipman, Jr., Montclair, N. J., and Joseph Lee Sweeney, New York, N. Y., assignors to Bates Laboratories, Inc., New York, N. Y.
Application April 8, 1937, Serial No. 68,637
Term of patent 14 years

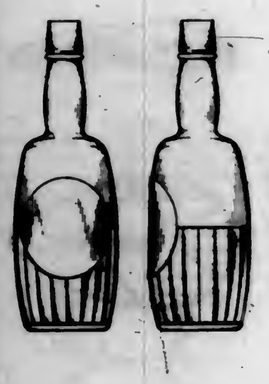




The ornamental design for a portable typewriter, as shown and described.

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**109,512**
**DESIGN FOR A BOTTLE**
Edwin W. Fuerst, Toledo, Ohio, assignor to National Distillers Products Corporation, Richmond, Va., a corporation of Virginia
Application March 16, 1938, Serial No. 75,733
Term of patent 14 years



The ornamental design for a bottle, substantially as shown.

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**109,513**
**DESIGN FOR A BOTTLE**
Jean Fulcher, Sharon, Conn., assignor to Maryland Glass Corporation, Baltimore, Md., a corporation of Maryland
Application March 2, 1938, Serial No. 75,533
Term of patent 14 years



The ornamental design for a bottle, as shown.

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**109,514**
**DESIGN FOR A BOX**
Donald L. Gibb, Midland, Mich.
Application October 15, 1937, Serial No. 72,214
Term of patent 7 years



The ornamental design for a box, substantially as shown.

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**109,515**
**DESIGN FOR A POCKET OILER**
Velta R. Hall, Cleveland, Ohio
Application September 28, 1937, Serial No. 71,853
Term of patent 3½ years



The ornamental design for a pocket oiler, as shown.



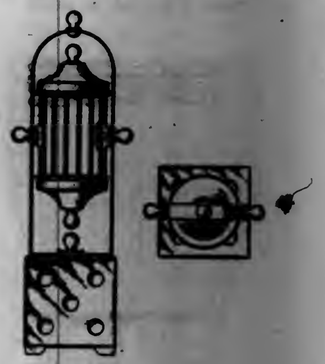
**109,516**
**DESIGN FOR A CHRISTMAS TREE ORNAMENT**
Philip Kranz and Albert P. Schmid, Philadelphia, Pa., assignors to Bernard Wilmsen, Philadelphia, Pa.
Application January 28, 1938, Serial No. 74,622
Term of patent 14 years



The ornamental design for a Christmas tree ornament as shown.

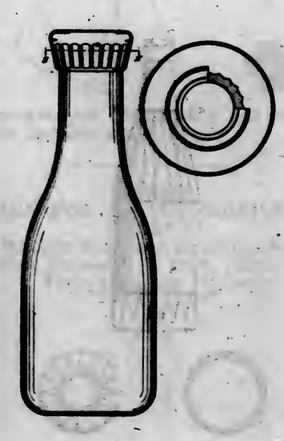
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**109,517**
**DESIGN FOR A COMBINATION LAMP AND GAME DEVICE**
Arthur W. Krueger, Chicago, Ill., assignor to Stephen Zidek, Riverside, Ill.
Application January 24, 1938, Serial No. 74,507
Term of patent 3½ years



The ornamental design for a combination lamp and game device as shown and described.

**109,518**
**DESIGN FOR A GLASS MILK BOTTLE**
John H. Meier, Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, a corporation of Pennsylvania
Application January 9, 1937, Serial No. 66,985
Term of patent 14 years



The ornamental design for a glass milk bottle, substantially as shown and described.

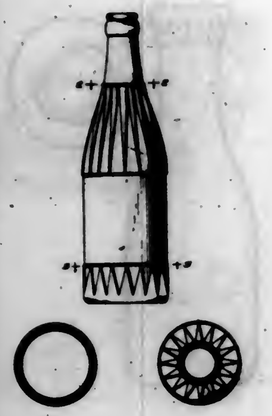
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**109,519**
**DESIGN FOR A CABINET FOR RADIOS OR THE LIKE**
Nels A. Miller, Chicago, Ill., assignor to Seeburg Radio Corporation, Chicago, Ill., a corporation of Illinois
Application October 4, 1937, Serial No. 71,958
Term of patent 7 years



The ornamental design for a cabinet for radios or the like, substantially as shown and described.

**109,520**
**DESIGN FOR A BOTTLE**
**Hilary R. Mott, Columbus, Ga., assignor to Nobi, Inc., Columbus, Ga., a corporation of Georgia**
**Application January 29, 1937, Serial No. 67,243**
**Term of patent 14 years**



The ornamental design for a bottle, as shown.

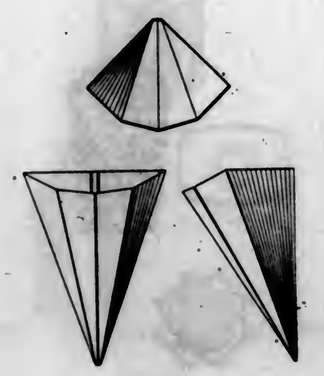
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**109,521**
**DESIGN FOR A DELIVERY VEHICLE**
**John Nicol, Detroit, Mich., assignor to Divco-Twin Truck Company, Detroit, Mich., a corporation of Michigan**
**Application October 9, 1937, Serial No. 72,102**
**Term of patent 14 years**



The ornamental design for a delivery vehicle, substantially as shown and described.

**109,522**
**DESIGN FOR A WALL CORNER RECEPTACLE**
**Forrest G. Perkins, Culver City, Calif.**
**Application November 14, 1936, Serial No. 65,966**
**Term of patent 14 years**



The ornamental design for a wall corner receptacle as shown.

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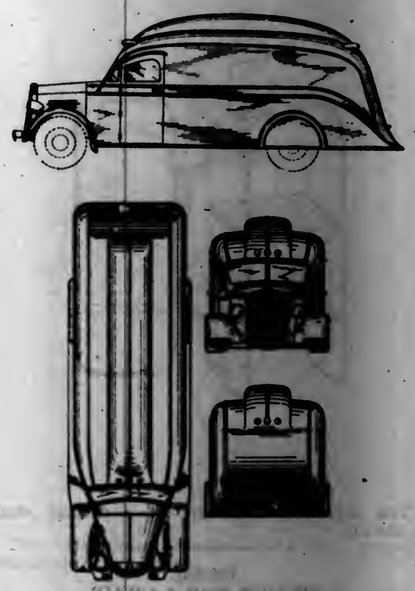
**109,523**
**DESIGN FOR A BRACELET CHAIN**
**John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey**
**Application February 1, 1938, Serial No. 74,777**
**Term of patent 3½ years**



The ornamental design for a bracelet chain as shown.



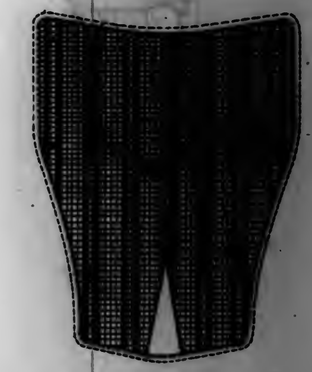
**109,524**
**DESIGN FOR A REFRIGERATOR TRUCK**
**Byron S. Snowden, Albany, N. Y., assignor to General Ice Cream Corporation, Schenectady, N. Y., a corporation of New York**
**Application November 18, 1937, Serial No. 72,989**
**Term of patent 14 years**



The ornamental design for a refrigerator truck, as shown.

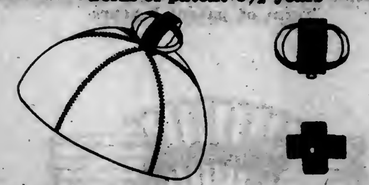
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**109,525**
**DESIGN FOR A SCREEN FOR AN AUTOMOBILE RADIATOR**
**Ben Wengard, Waterloo, Iowa**
**Application August 21, 1936, Serial No. 64,510**
**Term of patent 7 years**



The ornamental design for a screen for an automobile radiator, as shown and described.

**109,526**
**DESIGN FOR A HAT**
**Samuel Finkelstein, New York, N. Y.**
**Application January 11, 1938, Serial No. 74,207**
**Term of patent 3½ years**



The ornamental design for a hat substantially as shown and described.

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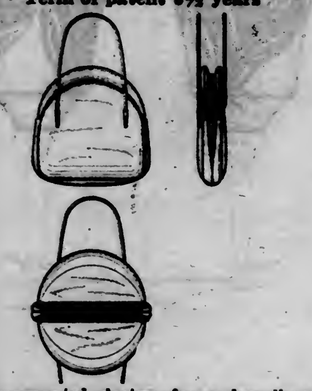
**109,527**
**DESIGN FOR AN AUTOMOBILE-HOOD ANTENNA**
**Maurice S. Frankl, Brooklyn, N. Y.**
**Application February 7, 1938, Serial No. 74,940**
**Term of patent 3½ years**



The ornamental design for an automobile-hood antenna, as shown.

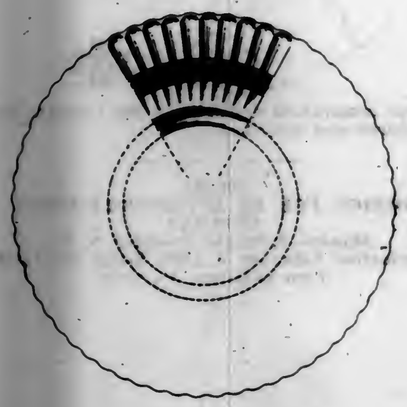
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**109,528**
**DESIGN FOR A HANDBAG**
**Samuel R. Goldsmith, New York, N. Y.**
**Application April 7, 1938, Serial No. 76,344**
**Term of patent 3½ years**



The ornamental design for a handbag, substantially as shown and described.

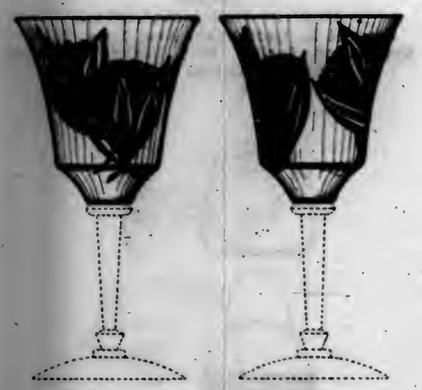
**109,529**
**DESIGN FOR A PLATE OR ANALOGOUS ARTICLE**
Kinzburo Kato, San Francisco, Calif.
Application December 15, 1937, Serial No. 73,637
Term of patent 7 years



The ornamental design for a plate or analogous article, substantially as shown and described.

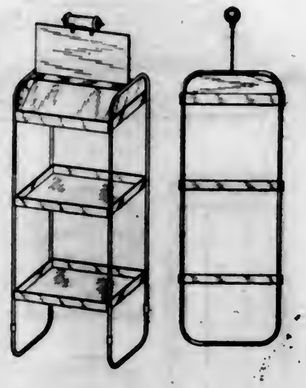
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**109,530**
**DESIGN FOR A GOBLET OR SIMILAR ARTICLE**
Rowena Reed Kostellow, Pittsburgh, Pa., assignor to United States Glass Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1938, Serial No. 75,347
Term of patent 3½ years



The ornamental design for a goblet or similar article substantially as shown and described.

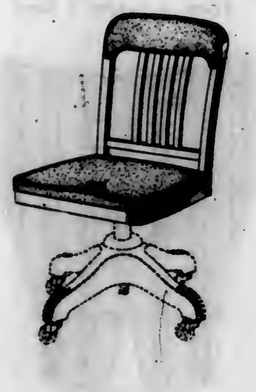
**109,531**
**DESIGN FOR A DISPLAY STAND**
Chester William Lee, Fairbury, Nebr.
Application March 4, 1938, Serial No. 75,572
Term of patent 7 years



The ornamental design for a display stand, as shown.

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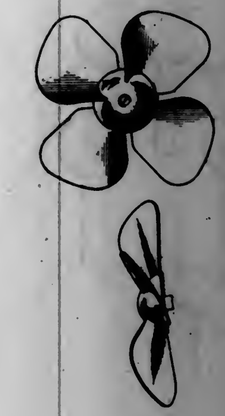
**109,532**
**DESIGN FOR A CHAIR**
Dwight Powell, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application July 17, 1937, Serial No. 70,505
Term of patent 14 years



The ornamental design for a chair, as shown, and described.



**109,533**
**DESIGN FOR A FAN PROPELLER**
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 8, 1937, Serial No. 73,467
Term of patent 7 years



The ornamental design for a fan propeller, substantially as shown.

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**109,534**
**DESIGN FOR A VANITY HANDBAG**
Irwin M. Robbins, Rockville Centre, N. Y.
Application January 28, 1938, Serial No. 74,620
Term of patent 3½ years



The ornamental design for a vanity handbag substantially as shown and described.

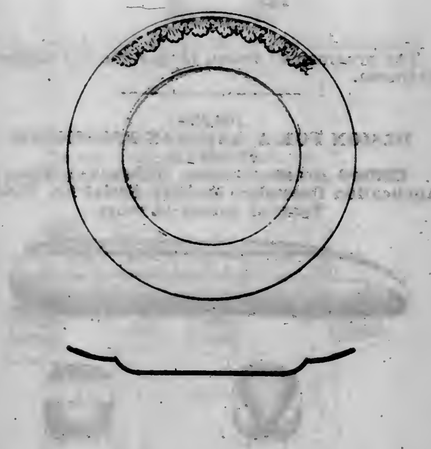
**109,535**
**DESIGN FOR A GLASS OR SIMILAR ARTICLE**
Morris Shapiro, Los Angeles, Calif.
Application March 15, 1938, Serial No. 75,843
Term of patent 14 years



The ornamental design for a glass or similar article as shown.

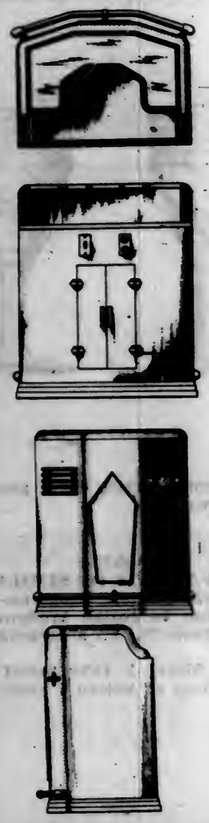
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**109,536**
**DESIGN FOR A PLATE OR SIMILAR ARTICLE**
Victor Skellern, Fenton, Stoke-on-Trent, England, assignor to Josiah Wedgwood & Sons, Inc., New York, N. Y., a corporation of New York
Application March 2, 1938, Serial No. 75,531
Term of patent 7 years



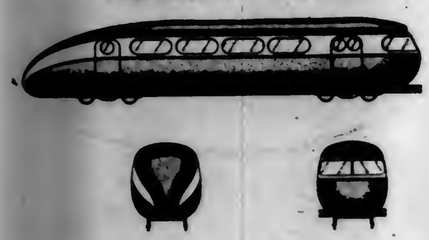
The ornamental design for a plate or similar article, as shown and described.

**109,537**
**DESIGN FOR A RADIO BAR CABINET**
Oscar M. Snead, Newport News, Va.
Application January 27, 1938, Serial No. 74,599
Term of patent 3½ years



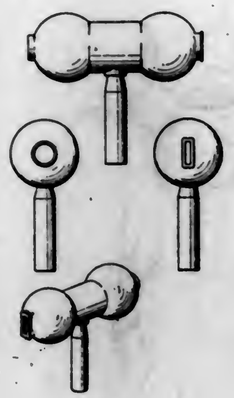
The ornamental design for a radio bar cabinet, as shown.

**109,538**
**DESIGN FOR A RAILWAY PASSENGER VEHICLE**
Clifford Brooks Stevens, Milwaukee, Wis.
Application December 18, 1937, Serial No. 73,696
Term of patent 14 years



The ornamental design for a railway passenger vehicle, as shown and described.

**109,539**
**DESIGN FOR A FAN CASING**
Henry Thomas and Charles F. Lockwood, Buffalo, N. Y.
Application February 7, 1938, Serial No. 74,923
Term of patent 14 years



The ornamental design for a fan casing as shown.

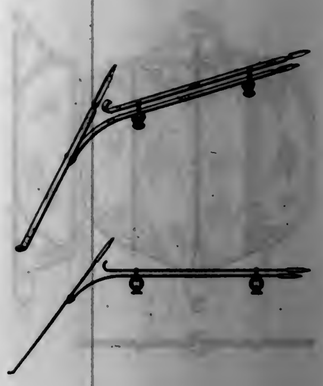
**109,540**
**DESIGN FOR A HIGHWAY TRAFFIC SIGNAL**
George E. Archer, South Whitley, Ind.
Application February 16, 1938, Serial No. 75,193
Term of patent 14 years



The ornamental design for a highway traffic signal, as shown.



**109,541**
**DESIGN FOR AN AUTOMOBILE RADIO ANTENNA**
George O. Benson, Niagara Falls, N. Y.
Application December 4, 1937, Serial No. 73,281
Term of patent 7 years



The ornamental design for an automobile radio antenna, substantially as shown.

**109,542**
**DESIGN FOR A COMBINED HANDBAG AND GLOVE CONTAINER THEREFOR**
A. Edward Brewner, New York, N. Y.
Application December 30, 1937, Serial No. 73,994
Term of patent 3½ years



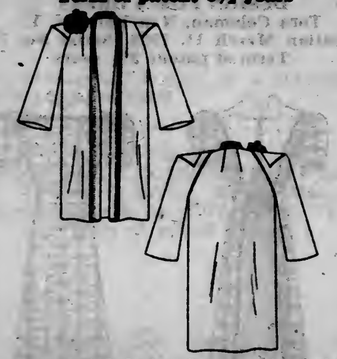
The ornamental design for a combined handbag and glove container therefor, substantially as shown, and described.

**109,543**
**DESIGN FOR A COAT**
Irving Cohen, New York, N. Y.
Application April 2, 1938, Serial No. 76,245
Term of patent 3½ years



The ornamental design for a coat substantially as shown and described.

**109,544**
**DESIGN FOR A COAT**
Irving Cohen, New York, N. Y.
Application April 2, 1938, Serial No. 76,247
Term of patent 3½ years



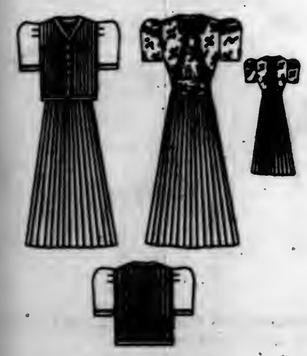
The ornamental design for a coat substantially as shown and described.

**109,545**
**DESIGN FOR A COAT**
Irving Cohen, New York, N. Y.
Application April 7, 1938, Serial No. 76,353
Term of patent 3½ years



The ornamental design for a coat substantially as shown and described.

**109,546**
**DESIGN FOR A DRESS ENSEMBLE**
**Tora Coleman, New York, N. Y.**
**Application March 5, 1938, Serial No. 75,663**
**Term of patent 3½ years**



The ornamental design for a dress ensemble, substantially as shown, and described.

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**109,547**
**DESIGN FOR A DRESS**
**Tora Coleman, New York, N. Y.**
**Application March 11, 1938, Serial No. 75,746**
**Term of patent 3½ years**



The ornamental design for a dress, substantially as shown and described.

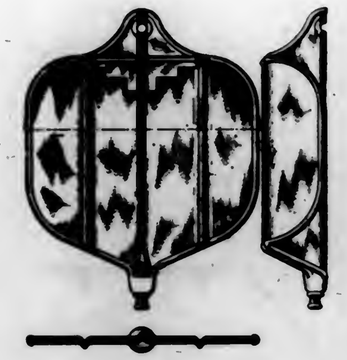
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**109,548**
**DESIGN FOR A FINGER RING**
**Bror E. Cunow, Chicago, Ill.**
**Application February 17, 1937, Serial No. 67,716**
**Term of patent 3½ years**



The ornamental design for a finger ring, as shown.

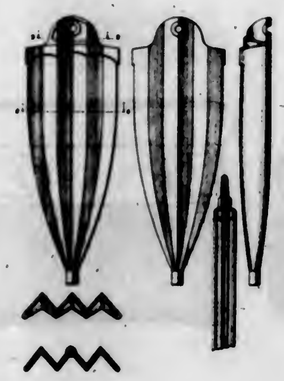
**109,549**
**DESIGN FOR A COLLAPSIBLE BAG OR THE LIKE**
**Frank Dabrecki, Matawan, N. J.**
**Application October 23, 1937, Serial No. 72,392**
**Term of patent 14 years**



The ornamental design for a collapsible bag or the like as shown.

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**109,550**
**DESIGN FOR A COLLAPSIBLE BAG OR THE LIKE**
**Frank Dabroski, Matawan, N. J.**
**Application October 27, 1937, Serial No. 72,441**
**Term of patent 14 years**



The ornamental design for a collapsible bag or the like as shown and described.



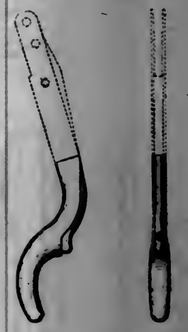
**109,551**
**DESIGN FOR A BRAKE LEVER OR SIMILAR ARTICLE**
**Dorman B. Dickerson, Detroit, Mich.**
**Application March 5, 1938, Serial No. 75,621**
**Term of patent 7 years**



The ornamental design for a brake lever or similar article, as shown.

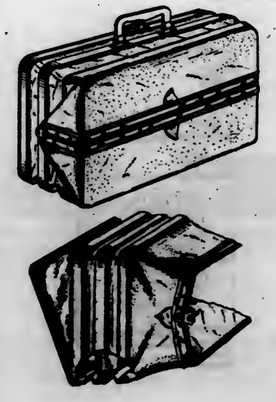
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**109,552**
**DESIGN FOR A BRAKE LEVER OR SIMILAR ARTICLE**
**Dorman B. Dickerson, Detroit, Mich.**
**Application March 5, 1938, Serial No. 75,622**
**Term of patent 7 years**



The ornamental design for a brake lever or similar article, as shown and described.

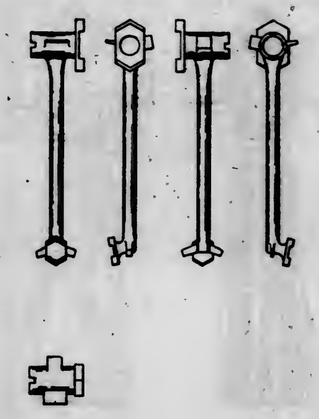
**109,553**
**DESIGN FOR A TRAVELING BAG**
**Charles Deppelt, Chicago, Ill.**
**Application March 10, 1938, Serial No. 75,729**
**Term of patent 14 years**



The ornamental design for a traveling bag, as shown and described.

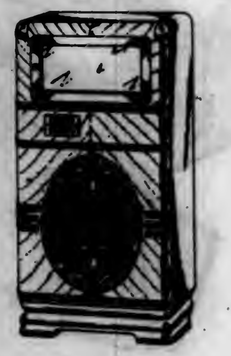
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**109,554**
**DESIGN FOR A COMBINATION WRENCH**
**Clifford L. Erving, Milton, Mass.**
**Application March 14, 1938, Serial No. 75,796**
**Term of patent 7 years**



The ornamental design for a combination wrench, substantially as shown.

**109,555**
**DESIGN FOR A PHONOGRAPH CABINET**
Paul M. Fuller, Chicago, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application February 17, 1938, Serial No. 75,219
Term of patent 7 years



The ornamental design for a phonograph cabinet, substantially as shown.

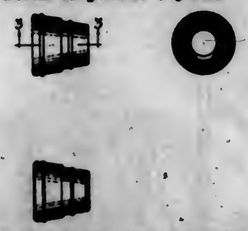
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**109,556**
**DESIGN FOR A DRESS**
David Goldenberg, New York, N. Y.
Application February 23, 1938, Serial No. 75,344
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

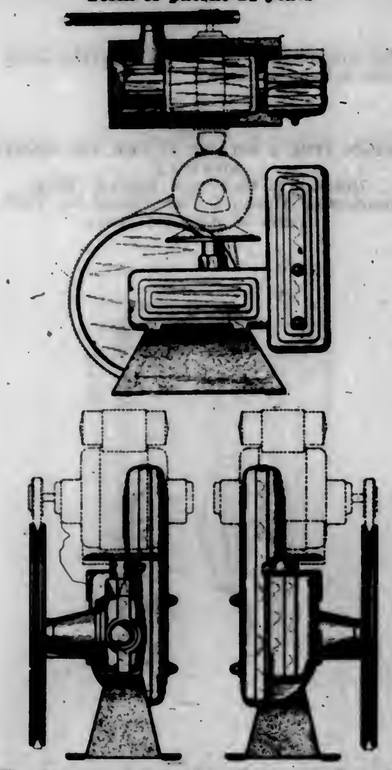
**109,557**
**DESIGN FOR A FERRULE FOR HOUSEHOLD UTENSIL HANDLES AND THE LIKE**
Clarence E. T. Hess, Prairie View, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 22, 1937, Serial No. 67,234
Term of patent 7 years



The ornamental design for a ferrule for household utensil handles and the like, as shown.

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**109,558**
**DESIGN FOR A SHALLOW WELL PUMP**
Raymond J. Kirkby, Hinsdale, Robert G. Gracey, Oak Park, and Robert E. Schuman and George E. Hansen, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application December 24, 1937, Serial No. 73,854
Term of patent 14 years



The ornamental design for a shallow well pump, substantially as shown and described.



**109,559**
**DESIGN FOR AN EMBROIDERED FABRIC**
Morris Loff, Brooklyn, N. Y.
Application April 11, 1938, Serial No. 76,425
Term of patent 3½ years



The ornamental design for an embroidered fabric, substantially as shown.

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**109,560**
**DESIGN FOR AN EMBROIDERED FABRIC**
Morris Loff, Brooklyn, N. Y.
Application April 11, 1938, Serial No. 76,426
Term of patent 3½ years



The ornamental design for an embroidered fabric, substantially as shown and described.

**109,561**
**DESIGN FOR A COAT**
Salvatore Lo Prete, New York, N. Y.
Application April 7, 1938, Serial No. 76,337
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

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**109,562**
**DESIGN FOR A COAT**
Salvatore Lo Prete, New York, N. Y.
Application April 7, 1938, Serial No. 76,338
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

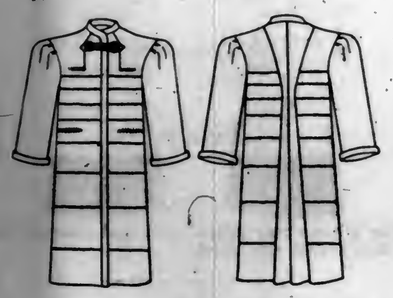
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**109,563**
**DESIGN FOR A COAT**
Salvatore Lo Prete, New York, N. Y.
Application April 7, 1938, Serial No. 76,339
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

**109,564**
**DESIGN FOR A COAT**
Salvatore Lo Preto, New York, N. Y.
Application April 7, 1938, Serial No. 76,340
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

**109,565**
**DESIGN FOR A COFFEE MILL**
David A. Meeker and Franklin Douglass Houser, Troy, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application August 13, 1937, Serial No. 71,070
Term of patent 14 years



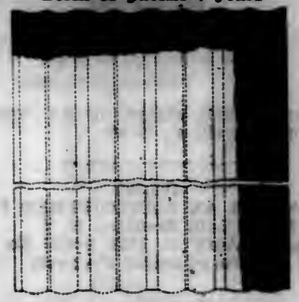
The ornamental design for a coffee mill substantially as shown and described.

**109,566**
**DESIGN FOR A SPECTACLE FRONT**
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application November 20, 1937, Serial No. 73,068
Term of patent 7 years



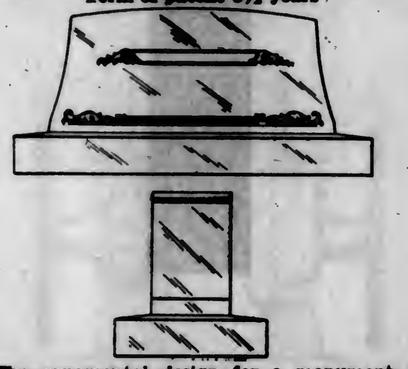
The ornamental design for a spectacle front substantially as shown.

**109,567**
**DESIGN FOR A CURTAIN OR SIMILAR ARTICLE**
Herman H. Newberger, Chicago, Ill.
Application January 19, 1938, Serial No. 74,418
Term of patent 7 years



The ornamental design for a curtain or similar article, as shown.

**109,568**
**DESIGN FOR A MONUMENT**
Fred Scott, Pontiac, Ill.
Application February 15, 1938, Serial No. 75,160
Term of patent 3½ years



The ornamental design for a monument as shown.

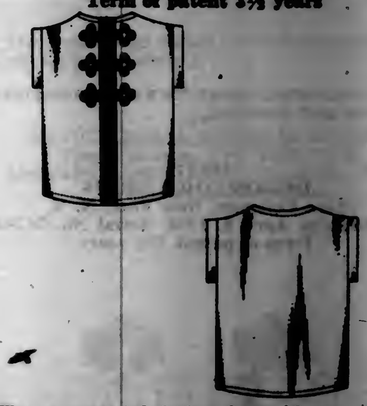


**109,569**
**DESIGN FOR A COLLAR**
Jacob A. Silverman, New York, N. Y.
Application December 9, 1937, Serial No. 73,502
Term of patent 3½ years



The ornamental design for a collar, substantially as shown, and described.

**109,570**
**DESIGN FOR A BLOUSE**
Jacob Solomon, New York, N. Y.
Application January 31, 1938, Serial No. 74,727
Term of patent 3½ years



The ornamental design for a blouse substantially as shown and described.

**109,571**
**DESIGN FOR A RING**
Frank L. Thorpe, Deadwood, S. Dak.
Application March 7, 1938, Serial No. 75,650
Term of patent 7 years



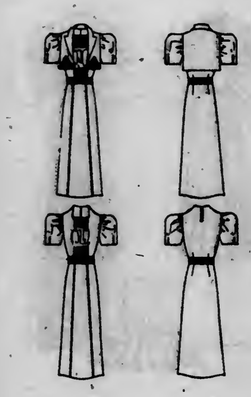
The ornamental design for a ring, as shown.

**109,572**
**DESIGN FOR A PRESSURE OPERATED ELECTRIC SWITCH OR SIMILAR ARTICLE**
Peirce van Vleck, Washington, D. C.
Application December 23, 1936, Serial No. 66,714
Term of patent 7 years



The ornamental design for a pressure operated electric switch, or similar article, substantially as shown.

**109,573**
**DESIGN FOR A DRESS ENSEMBLE**
Mildred Wagner, New York, N. Y.
Application January 26, 1938, Serial No. 74,530
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

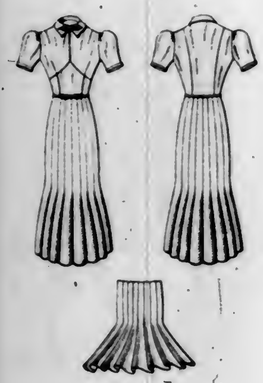
109,574
**DESIGN FOR A HAT**
Samuel Weisberger, New York, N. Y.
Application April 8, 1938, Serial No. 76,370
Term of patent 3½ years



The ornamental design for a hat, substantially as shown.

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109,575
**DESIGN FOR A DRESS**
Irving A. Winter, Woodmere, N. Y.
Application March 21, 1938, Serial No. 76,000
Term of patent 7 years



The ornamental design for a dress, substantially as shown and described.

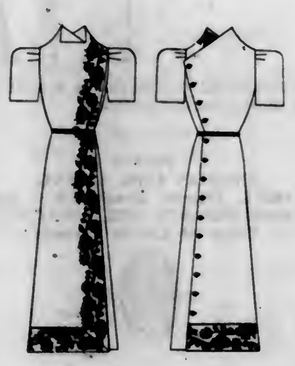
109,576
**DESIGN FOR A DRESS**
Lena Zuckerman, New York, N. Y.
Application March 22, 1938, Serial No. 76,005
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

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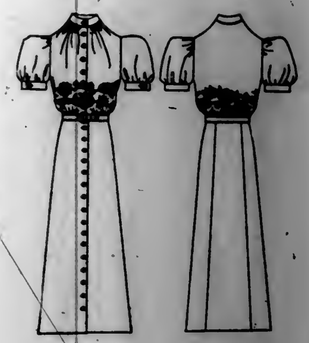
109,577
**DESIGN FOR A DRESS**
Tora Coleman, New York, N. Y.
Application April 8, 1938, Serial No. 76,364
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.



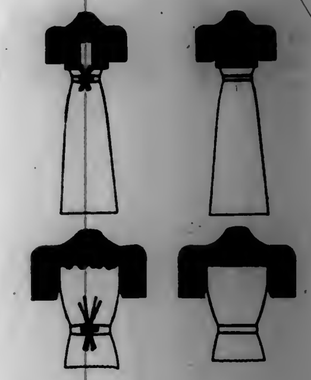
109,578
**DESIGN FOR A DRESS**
Tora Coleman, New York, N. Y.
Application April 8, 1938, Serial No. 76,365
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

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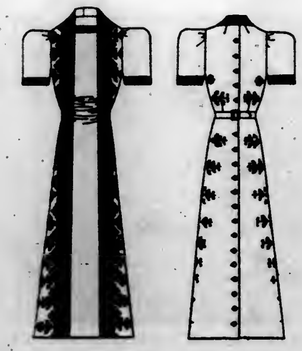
109,579
**DESIGN FOR A DRESS ENSEMBLE**
Tora Coleman, New York, N. Y.
Application April 8, 1938, Serial No. 76,366
Term of patent 3½ years



The ornamental design for a dress ensemble substantially as shown.



109,580
**DESIGN FOR A DRESS**
Tora Coleman, New York, N. Y.
Application April 9, 1938, Serial No. 76,391
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

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109,581
**DESIGN FOR A DRESS**
Lou Harris, New York, N. Y.
Application April 9, 1938, Serial No. 76,392
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

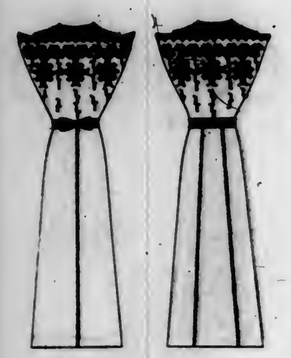
**109,582**
**DESIGN FOR A TEXTILE FABRIC**
Ira Strauss, New York, N. Y.
Application April 11, 1938, Serial No. 76,428
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

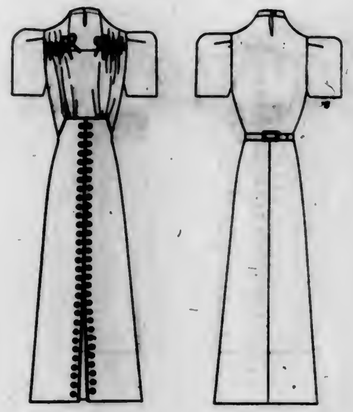
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**109,583**
**DESIGN FOR A DRESS**
Victor Tomashinsky, New York, N. Y.
Application April 8, 1938, Serial No. 76,368
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

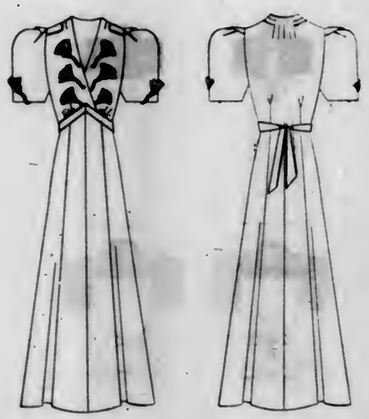
**109,584**
**DESIGN FOR A DRESS**
Joseph Zhan, New York, N. Y.
Application April 6, 1938, Serial No. 76,367
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

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**109,585**
**DESIGN FOR A DRESS**
Harry Zhan, New York, N. Y.
Application April 6, 1938, Serial No. 76,369
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.



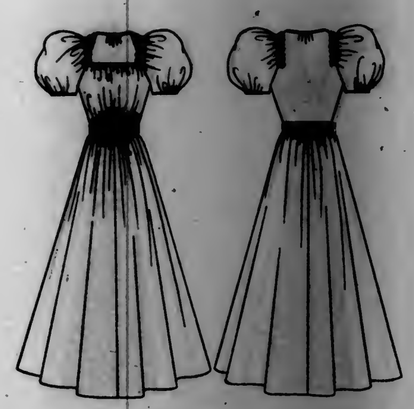
**109,586**
**DESIGN FOR A DRESS**
Tera Coleman, New York, N. Y.
Application April 9, 1938, Serial No. 76,390
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

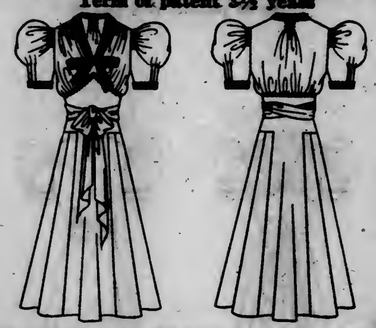
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**109,587**
**DESIGN FOR A DRESS**
Rose Feinstein, New York, N. Y.
Application March 30, 1938, Serial No. 76,263
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

**109,588**
**DESIGN FOR A DRESS**
Pauline Fracchia, New York, N. Y.
Application March 28, 1938, Serial No. 76,167
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

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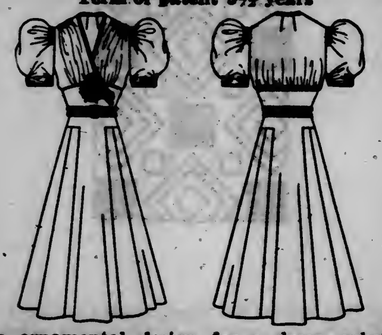
**109,589**
**DESIGN FOR A DRESS**
Pauline Fracchia, New York, N. Y.
Application March 30, 1938, Serial No. 76,168
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

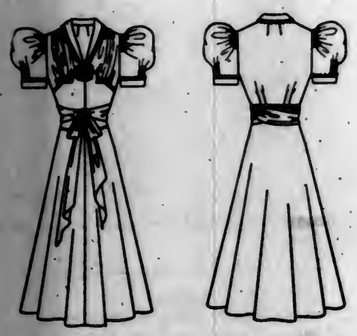
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**109,590**
**DESIGN FOR A DRESS**
Pauline Fracchia, New York, N. Y.
Application March 30, 1938, Serial No. 76,169
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

**109,591**
**DESIGN FOR A DRESS**
**Pauline Fracchia, New York, N. Y.**
**Application March 30, 1938, Serial No. 76,170**
**Term of patent 3½ years**



The ornamental design for a dress, substantially as shown.

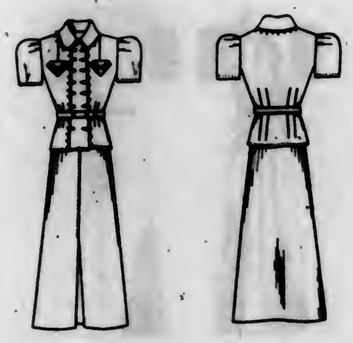
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**109,592**
**DESIGN FOR A LEATHER OR SIMILAR ARTICLE**
**Samuel Galper, New York, N. Y.**
**Application February 17, 1938, Serial No. No. 75,205**
**Term of patent 3½ years**



The ornamental design for a leather or similar article, substantially as shown.

**109,593**
**DESIGN FOR A DRESS**
**Dorothy Lantz, New York, N. Y.**
**Application March 30, 1938, Serial No. 76,172**
**Term of patent 3½ years**



The ornamental design for a dress, substantially as shown.

---

**109,594**
**DESIGN FOR A DRESS**
**Anne Rebhahn, New York, N. Y.**
**Application March 30, 1938, Serial No. 76,165**
**Term of patent 3½ years**



The ornamental design for a dress, substantially as shown.



**109,595**
**DESIGN FOR A DRESS**
**Anne Rebhahn, New York, N. Y.**
**Application March 30, 1938, Serial No. 76,166**
**Term of patent 3½ years**



The ornamental design for a dress, substantially as shown.

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**109,596**
**DESIGN FOR A DRESS**
**Ida Sheer, New York, N. Y.**
**Application April 4, 1938, Serial No. 76,257**
**Term of patent 3½ years**



The ornamental design for a dress, substantially as shown.

**109,597**
**DESIGN FOR A DRESS**
**Ida Sheer, New York, N. Y.**
**Application April 4, 1938, Serial No. 76,258**
**Term of patent 3½ years**



The ornamental design for a dress substantially as shown.

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**109,598**
**DESIGN FOR A DRESS AND SCARF ENSEMBLE**
**Samuel Chapman, New York, N. Y.**
**Application March 15, 1938, Serial No. 75,832**
**Term of patent 3½ years**



The ornamental design for a dress and scarf ensemble, substantially as shown and described.



Patents Nos. 2,116,495 to 2,117,264

# THE OFFICIAL GAZETTE

OF THE

# United States Patent Office

Vol. 490—No. 2 TUESDAY, MAY 10, 1938 Price—$16 per year

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## May 10, 1938

| | | | |
|---|---|---|---|
| Trade-Marks | 200—No. | 336,666 to No. | 336,865, inclusive. |
| T. M. Renewals | 20 | | |
| Labels | 24—No. | 51,089 to No. | 51,112, inclusive. |
| Prints | 14—No. | 16,810 to No. | 16,823 inclusive. |
| Reissues | 7—No. | 20,718 to No. | 20,724, inclusive. |
| Patents | 770—No. | 2,116,496 to No. | 2,117,264, inclusive. |
| Designs | 84—No. | 109,589 to No. | 109,672, inclusive. |
| Total | 1,119 | | |

## Transfer of Class

ORDER No. 3425

U. S. PATENT OFFICE, *Washington, D. C., Apr. 21, 1938.*

The following transfer, to take effect Monday, April 25, 1938, is hereby ordered:

Class 225, Dispensing Beverages, from Division 39 to Division 35.

CONWAY P. COE,
*Commissioner.*

## Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Apr. 18, 1938.*

*Moses F. Fybush, his assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of RCA Manufacturing Company, Inc., Camden, N. J., to effect the cancellation of trade-mark registration No. 141,903, issued May 3, 1921, to Moses F. Fybush, 312 H. W. Hellman Building, Los Angeles, Calif., and a notice of such proceeding sent by registered mail to said Moses F. Fybush at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Moses F. Fybush, his assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order, the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

U. S. PATENT OFFICE, *Washington, D. C., Apr. 23, 1938.*

*Redondo Packing Corp., its assigns or legal representatives take notice:*

An application for cancellation having been filed in this Office by Abe Kanner, 721 North State St., Los Angeles, Calif., to effect the cancellation of trade-mark registration of Redondo Packing Corp., 710 Merritt Bldg., Los Angeles, Calif., No. 159,839, dated September 26, 1922, and the notice of such proceeding sent by registered mail to the said Redondo Packing Corp., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Redondo Packing Corp., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

U. S. PATENT OFFICE, *Washington, D. C., Apr. 27, 1938.*

*Affinity Company, its assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of Bourjois, Inc., 35 West Thirty-fourth Street, New York, N. Y., to effect the cancellation of trade-mark registration No. 157,208, issued August 1, 1922, to Affinity Company, 47 Jefferson Avenue, Grand Rapids, Mich., and a notice of such proceeding sent by registered mail to said Affinity Company at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Affinity Company, its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

U. S. PATENT OFFICE, *Washington, D. C., Apr. 27, 1938.*

*The Royer Shoe Company, its assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of Dollar Brothers Shoe Company, 116 South Main Street, Madisonville, Ky., to effect the cancellation of trade-mark registration No. 217,041, issued August 24, 1926, to The Royer Shoe Company, 149 Crescent Street, Brockton, Mass., and a notice of such proceeding sent by registered mail to said The Royer Shoe Company at said address having been returned by the post office as undeliverable, notice is hereby given that unless said The Royer Shoe Company, its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

## Condition of Applications Under Examination at Close of Business April 23, 1938

| Room No. | (Total number of applications awaiting action, excluding Trade-Mark Division, 44,177; Trade-Mark Division, 1,988. Oldest new case, Oct. 1, 1937; oldest amended, Sept. 11, 1937.) (The dates given are 1938 except where † indicates 1937) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS | Oldest new application and oldest action by applicant awaiting office action: New | Amended | No. of applications awaiting action |
|---|---|---|---|---|
| 6624 | 1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage. | †Nov. 17 | †Nov. 17 | 726 |
| 6708 | 2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture. | †Nov. 26 | †Nov. 26 | 935 |
| 4088 | 3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces | Mar. 2 | Feb. 24 | 298 |
| 7083 | 4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes. | Jan. 24 | Jan. 21 | 616 |
| 3077 | 5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons | Jan. 26 | Jan. 27 | 546 |
| 4000C | 6. LEWERS, A. M., Carbon Chemistry (part) | †Dec. 27 | †Dec. 24 | 955 |
| 5726 | 7. JARBOE, C. G., Optics; Photography | Jan. 3 | Jan. 3 | 1,090 |
| 2086 | 8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets | Jan. 17 | Jan. 13 | 527 |
| 4624 | 9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors | Jan. 13 | Jan. 19 | 435 |
| 6612 | 10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices. | †Dec. 18 | †Dec. 24 | 521 |
| 5857B | 11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather. | Jan. 4 | Jan. 5 | 526 |
| 7701 | 12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes. | †Oct. 26 | †Oct. 27 | 305 |
| 6696 | 13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling. | †Dec. 10 | †Dec. 10 | 683 |
| 6097 | 14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes. | Feb. 4 | Feb. 5 | 476 |
| 4897 | 15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics | †Dec. 31 | †Dec. 31 | 1,219 |
| 5710 | 16. SPENCER, C. J., Telegraphy; Telephony | †Dec. 14 | †Dec. 10 | 966 |
| 5701 | 17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting. | †Dec. 31 | Jan. 5 | 716 |
| 4612 | 18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | †Dec. 29 | †Nov. 26 | 469 |
| 4089 | 19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners | Jan. 11 | Jan. 10 | 644 |
| 6605 | 20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making. | Jan. 4 | Jan. 11 | 430 |
| 7703 | 21. THOMPSON, T. J., Textiles; Cloth Finishing | Jan. 24 | Jan. 24 | 502 |
| 6609 | 22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | Jan. 24 | Jan. 24 | 620 |
| 7694 | 23. BUTTNER, W. J., Registers (part) | †Oct. 1 | †Sept. 11 | 208 |
| 6098 | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Jan. 12 | Jan. 14 | 663 |
| 5709 | 25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors. | Jan. 7 | Jan. 10 | 806 |
| 6090 | 26. YOUNG, R. R., Electricity, Generation; Motive Power | †Dec. 24 | †Dec. 23 | 508 |
| 6708 | 27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing | †Oct. 25 | †Oct. 25 | 1,014 |
| 4626 | 28. SOLYOM, H. L., Internal-Combustion Engines | Jan. 31 | Jan. 24 | 360 |
| 6063 | 29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Trunks. | †Nov. 9 | †Nov. 12 | 663 |
| 4080 | 30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats. | †Nov. 25 | †Nov. 24 | 706 |
| 4716 | 31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons | Jan. 24 | Jan. 24 | 547 |
| 4085 | 32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating | Jan. 6 | Jan. 21 | 606 |
| 6080 | 33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads | Feb. 1 | Jan. 15 | 756 |
| 6085 | 34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders. | Feb. 2 | Jan. 18 | 315 |
| 3676 | 35. REYNOLDS, E. O., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles | Feb. 3 | Feb. 3 | 467 |
| 7088 | 36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers | †Nov. 26 | †Dec. 4 | 534 |
| 5886B | 37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits | †Nov. 11 | †Nov. 9 | 767 |
| 3084 | 38. KRAFFT, O. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions. | †Oct. 30 | †Oct. 29 | 762 |
| 4570 | 39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances. | †Dec. 24 | †Dec. 23 | 676 |
| 7089 | 40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles | †Dec. 6 | †Dec. 6 | 1,402 |
| 7013 | 41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part) | †Dec. 13 | †Dec. 10 | 310 |
| 6082 | 42. CUTTING, H. O., Electric Signaling | †Nov. 26 | †Oct. 20 | 653 |
| 4000B | 43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch. | Jan. 17 | Jan. 17 | 567 |
| 4057B | 44. HARVEY, L. P., Refrigeration; Dispensing Beverages | †Nov. 26 | †Nov. 20 | 740 |
| 7080 | 45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles. | †Dec. 20 | †Dec. 24 | 714 |
| 4613 | 46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines. | †Dec. 23 | †Dec. 23 | 609 |
| 6083 | 47. LOWE, R. R. (Act.), Clutches; Brakes | Jan. 10 | Jan. 12 | 659 |
| 5781 | 48. ROEPKE, O. B., Electricity, General Applications; Igniters | Jan. 5 | Jan. 5 | 516 |
| 7726 | 49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification | †Oct. 21 | †Oct. 19 | 926 |
| 4701 | 50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products | Jan. 25 | Jan. 25 | 673 |
| 5628 | 51. BACKUS, C. D., Radiant Energy | Jan. 18 | Jan. 18 | 576 |
| 7709 | 52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits. | Jan. 17 | Jan. 13 | 845 |
| 6097 | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging. | †Dec. 22 | †Dec. 24 | 741 |
| 5074 | 54. STRAOHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes | Mar. 2 | Mar. 2 | 353 |
| 6093 | 55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery | †Nov. 6 | †Nov. 11 | 1,057 |
| 4720 | 56. COOKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making | †Nov. 23 | †Nov. 23 | 1,114 |
| 6613 | 57. NICOLSON, G. D. G., Cutting and Punching; Belt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys. | Jan. 3 | †Dec. 24 | 457 |
| 5625 | 58. DOWELL, E. F., Abrading; Bottles and Jars | Jan. 21 | Jan. 19 | 287 |
| 4709 | 59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation. | Jan. 21 | Jan. 24 | 635 |
| 5800 | 60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants | †Dec. 18 | †Dec. 18 | 577 |
| 6734 | 61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery. | †Oct. 30 | †Oct. 27 | 708 |
| 5601 | 62. FUGH, E. C., Games; Geometrical Instruments | Jan. 31 | Feb. 1 | 540 |
| 4005 | 63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation | Jan. 26 | Jan. 20 | 344 |
| 4703 | 64. NASH, F. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel. | †Dec. 23 | †Dec. 23 | 1,199 |
| 5613 | 65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission | †Dec. 4 | †Dec. 1 | 596 |
| 2000D | TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND {Trade-Marks | Mar. 19 | Apr. 1 | 1,331 |
| | {Labels and Prints | Mar. 26 | Apr. 8 | 267 |
| 2006 | DESIGNS: H. H. KALUPY | Mar. 14 | Apr. 11 | 634 |



# DECISIONS IN PATENT AND TRADE-MARK CASES

## BOARD OF APPEALS

### EX PARTE SPANNER AND DOERING

*Decided November 25, 1936*

REISSUE—SUFFICIENCY OF OATH.

Petition for reissue filed more than two years after grant of the patent and containing broader claims *Held* properly denied on the ground that diligence in applying for the reissue was not shown and on the further ground that the oath accompanying the reissue application did not show such inadvertence, accident or mistake, or inoperativeness of the original patent as would warrant the grant of a reissue.

APPEAL from the Examiner. Affirmed.

*Messrs. Newell, Spencer & Safford* for Spanner and Doering.

Before LANDERS, PIERCE, and MORGAN, Examiners-in-Chief

PIERCE, *Examiner-in-Chief:*

This is an appeal from the denial of a petition for reissue of Patent No. 1,860,210, on the ground that the application, which contains claims broader than those in the original patent, was not filed within two years of the original grant and that diligence has not been shown in applying for the reissue and on the further ground that the oath accompanying the reissue application does not show such inadvertence, accident or mistake, or inoperativeness of the original patent as warrants the grant of a reissue.

The broadening of certain of the claims being admitted, it is unnecessary to enter into a discussion of that phase of the matter.

Since the decision of *Miller* v. *Bridgeport Brass Co.*, 104 U. S. 350, and the subsequent decision of *Mahn* v. *Harwood*, 1885 C. D. 144; 112 U. S. 354, it is well settled that a reissue applied for after two years may not be granted with broadened claims, unless the delay in applying for such reissue is satisfactorily explained.

In the decision last referred to, it is said:

"But there are substantial reasons, not applicable for these cases, why a claim cannot be enlarged and made broader after an undue lapse of time. The rights of the public here intervene, which are totally inconsistent with such tardy reissues; and the great opportunity and temptation to commit fraud after any considerable lapse of time, when the circumstances of the original application have passed out of mind, and the monopoly has proved to be of great value, make it imperative on the courts, as a dictate of justice and public policy, to hold the patentee strictly to the rule of reasonable diligence in making application for this kind of reissues."

The court later states the rule as follows:

"We repeat, then, if a patentee has not claimed as much as he is entitled to claim, he is bound to discover the defect in a reasonable time or he loses all right to a reissue."

In the case under consideration, in considering what was reasonable, the court indicated that the character of the case should be taken into consideration. It states that where the specification is complicated and the claim ambiguous or involved, the patentee is entitled to greater indulgence, but where the specification is plain and free from complexity, and the original claims clear and explicit, there is no ambiguity and nothing to prevent the patentee from seeing at once, upon inspecting his patent, whether his whole invention is claimed or not.

It is the Examiner's position in the present case that the original specification is free from ambiguity, that the claims are clear and unambiguous and that the invention is of such a simple character that any shortcomings should have been discoverable in a comparatively short time.

The shortcomings of the patent are not alleged to have been discovered because of an investigation into the matter but only incidentally and that at practically the end of the two-year period normally allowed for filing broadened reissues. There is some evidence in the record of activity with respect to the patent within the two-year period but this activity was directed to the commercialization of the invention rather than to the discovering of any defects which the granted patent might have.

After the patent was found to be of less than the desired breadth, an application was prepared asking for a reissue and such application, though incomplete, was promptly filed in the Office. It appears from the record that one of the joint inventors, the party Doering, refused to sign the application and that it was only after he was persuaded that a reissue was necessary, some two months after the two-year period expired, that he executed a duplicate application jointly with the applicant Spanner, which duplicate did not reach the Office until some three months after the incomplete application was filed and a corresponding period after the two years had expired.

In attempting to excuse the delay in filing, appellants point out that the parties are unfamiliar with the technical rules of construction of patents under the U. S. law, that they believed that the device defined by the claims of the patent would be protected, not only against copying, but against imitation of its inventive features. They also point out that the appellant Spanner, now the sole owner of the application by assignment, was engaged in exploiting the invention and, in pursuance of his attempts to exploit the invention, it came to his attention that the claims of the patent might be construed in such a way as to fail to give protection.

In an attempt to show that the facts set forth are sufficient to excuse the delay, attention is called to the case of *Worthington Pump & Machinery Corporation* v. *Clark Bros. Co.*, 17 F.(2d) 189. In that case, as well as in others where delay has been held excusable, there was a compelling circumstanee not present here—a state of war. In our opinion this had more to do with excusing the delay than did the circumstance of foreign inventorship here stressed.

In other cases where the fact that the one seeking to excuse delay was a foreigner has been

stressed, the excuse has not been accepted. In this connection, see *In re Claude*, 12 F.(2d) 816.

The same is true of the excuse that the patentee was unskilled in patent matters, in which connection see *In re Lees*, 269 F. 679.

In all cases, as set forth in the decision *Mahn* v. *Harwood* above referred to, the rule of diligence has been strictly applied. As further evidence of the strictness with which it has been applied, attention is directed to *In re Mummert*, 278 F. 399; *In re Holland*, 285 O. G. 391, and *Ex parte Helmholtz*, 3 U. S. Pat. Q. 195.

The case of *Ex parte Russell et al.*, 13 U. S. Pat. Q. 29, involved circumstances somewhat the same as are presented here. In that case, the assignee of a patent granted to two joint inventors discovered the insufficiency of the claims and, to protect the novelty disclosed, prepared a reissue application and submitted it to the joint inventors for signature. One of the joint inventors refused to sign, and filing was thus delayed for a considerable time. The excuse for delay was not accepted.

On the matter of inadvertence, accident or mistake, the decision in the case of *Denton* v. *Commissioner of Patents*, 1898 C. D. 483, is believed controlling. In that case, as in this, a reissue was sought with claims intermediate in scope between those allowed and those previously canceled. The court said:

"That the claim sought in the reissue is not as broad as the original claim is of no consequence. It was included in it. When the applicant amended and limited that original claim, if he limited it to a greater extent than was necessary, such extreme limitation may have been a mistake of judgment; but it was certainly an abandonment of all that was contained in the original claim and which was not contained in the subsequent amendment. There can be no middle ground. There can be no retrogression to take back part of what has been abandoned any more than to take back the whole."

For the reasons above stated, it is our view that the position taken by the Examiner in denying the reissue was sound.

The Examiner's action is therefore affirmed.

## U. S. Court of Customs and Patent Appeals

IN RE CONNELL

*No. 3,854. Decided November 22, 1937*

[92 F.(2d) 711]

PATENTABILITY—FLOW-GAGE.

Claims for a flow-gage *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

LENROOT, *J.*, dissenting.

*Mr. R. V. Fike*, *Mr. Frederic P. Warfield*, and *Mr. Griffith Beems* for Connell.

*Mr. R. F. Whitehead* and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office which affirmed the decision of the Examiner denying the patentability, in view of prior art cited, of five claims, numbered, respectively, 2, 3, 6, 7, and 8, of appellant's application for patent relating to flow-gages. No claim seems to have been allowed.

Claim No. 2 illustrates the subject matter. It reads:

2. A flow-gage comprising a gage tube and an indicating element therein movable longitudinally of the tube, the cross-sectional area of the bore of the tube increasing relatively gradually in the direction of flow throughout a portion of the length of the tube and increasing relatively rapidly in the direction of flow throughout another portion of the length of the tube, calibrations of one character for reading the movement of the indicating element along the first-mentioned portion, and calibrations of another character for reading the movement of the indicating element along said other portion.

The limitations contained in the other claims are not thought to lend patentability thereto if claim 2 be not allowable, and we find no contention to the contrary in the brief on behalf of appellant. No oral argument was presented in his behalf at the hearing before us.

The references cited are: Thomson et al., 848,704, April 2, 1907; Inhoffen (Brit.), 12,857, November 17, 1910; Hamill (Brit.), 192,455, January 29, 1923.

The following description of appellant's device is given in the decision of the Board:

The claims on appeal are directed to a flow-gage particularly designed for the measurement of gases. This gage is in the form of a vertical tube, the bore of which is tapered. A part of the tube has only a slight taper but the remainder diverges at a more rapid rate. The tube contains a ball or balls, which are caused to move upwardly to a greater or lesser extent, dependent upon the rate of flow of the gas passing through the tube. In that portion of the tube of small taper, slight differences in the rate of flow will produce comparatively large movements of the indicating ball. In that portion of greater taper, corresponding movements of the ball will be in response to considerably greater differences in the rate of flow. By the expedient referred to, a portion of the meter may be calibrated in a manner to permit more accurate determination of the rate of flow than in the remaining portion.

In the final analysis, appellant seems to rely upon the so-called "double taper" (with the scale corresponding thereto) feature of the claims to distinguish his device patentably from the prior art.

The British patent to Inhoffen is for a gas measuring device, and shows a calibrated tapering tube and scale, but the taper and scale are uniform from end to end.

The patent to Hamill, which also is a British patent, is entitled "Fluid Flow Meters." In certain of the drawings tapering tubes are shown, and the decision of the Board points out that the provisional specification states:

The area and configuration of the measuring opening may be varied in cross section to obtain a scale having regular or irregular characteristics as desired.

The Hamill reference seems to be the one principally relied upon by the Board, it being said in its decision:

* * * The particular configuration employed by appellant is obviously within the generic disclosure of the British [Hamill] patent and in our opinion, if not actually taught by the patent, is an obvious embodiment of the generic teaching.

The patent to Thomson et al. is entitled "Liquid-Meter", and the specification states that such meter is

"of the class in which the flow of liquid is measured by the movement of a disk or other body * * * in a tapered pipe against the resistance of a weight or spring."

Figures of the drawings quite clearly disclose a pipe which has a double taper.



The appellant argues as to the Thomson et al. patent that it is "for a water meter for recording volumes of water passing through a horizontal main or conduit"; that it is very "unlike" appellant's flow-gage, and says "it may even be doubted whether the water-metering art and the gas-flow indication art are analogous."

This latter assertion seems largely to be met by the fact that appellant's own specification is not limited to a gas-flow gage, nor are any of the claims so limited, except claim No. 8. Both the specification and the group of claims 2, 3, 6, and 7 obviously are broad enough to include the measuring of liquids as well as gases. Appellant's specification refers to measuring "fluid." "Fluid" is a term broad enough to include both liquids and gases.

The brief for appellant places emphasis upon the use of his device for measuring the flow of gases, such as oxygen used in resuscitation work, and gases used in administering anesthetics, in which cases a very fine indication of the flow of the gases throughout a particular range and also an indication of difference in flow between widely varying limits are taught by appellant's specification to be highly desirable. Such results, it is claimed, are obtained by appellant's tube (and corresponding gage) which has

"a relatively gradual increase in cross-sectional area in the direction of flow throughout a portion of its extent and a relatively rapid increase in cross-sectional area in the direction of flow throughout another portion of its extent"

in other words, the double taper with corresponding scale.

It may be conceded that appellant's device differs greatly from that of Thomson et al. and that the latter is unsuited to many of the uses of the device of appellant and vice versa. Nevertheless, the principle disclosed in appellant's "double taper" is present in the Thomson et al. device, and since the art here involved is that of measuring fluids and gases by means of a gage, we do not think Thomson et al. may be rejected as belonging to a non-analogous art. The measuring function is the proximate function of the art involved, and the proximate function determines the nearness of the art. *In re Kylstra*, 24 C. C. P. A. (Patents) 988, 87 F.(2d) 487, 481 O. G. 683.

It should be pointed out that appellant's drawings disclose a double calibrated scale. The scale as to that portion of the tubing in which a relatively gradual increase of taper is shown as substantially uniformly spaced, while that as to the part in which the taper is so formed as to assure a rapid increase in flow—that is, the wider and more pronounced flare in the tube—is graduated, so that more accurate readings of rate of flow when it reaches the higher rate of increase is apparently possible.

It seems to be taught by Hamill that his calibrations should correspond with the cross-sectional area of his tube and, as we understand the decisions below, this feature was held to be obvious, involving nothing more than mechanical skill.

The brief for appellant quite earnestly argues that the Board misread the Hamill specification; that when closely read the specification "discloses, at the most, no advance over the uniform tapering tube of the Inhoffen patent," and that neither of those patents shows the double taper with scale to correspond.

Appellant's arguments upon this, as well as upon all other points advanced in his brief, have been quite carefully considered. It is true that no one of the references shows the exact arrangement disclosed by him—else, of course, the case would not be here. So, finally, the question is whether the changes made by him so differ from the teachings of the prior art as to constitute invention. We are unable so to conclude, and do not feel that the authorities cited by appellant support his contentions as a matter of law.

The decision of the Board of Appeals is, therefore, affirmed.

Affirmed.

GRAHAM, *P. J.*, sat during the argument of this case, but died before the opinion was prepared.

LENROOT, *J.*, dissents.

## U. S. Court of Customs and Patent Appeals

IN RE SHANNON

*No. 3,808. Decided December 6, 1937*

[92 F.(2d) 979]

PATENTABILITY—POWER REVERSE MECHANISM.

Claims for a power reverse mechanism *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

*Mr. Edward A. Hathaway* for Shannon.

*Mr. R. F. Whitehead* and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner, rejecting all of the claims of appellant's application as being unpatentable in view of the cited prior art. The claims are numbered 1 to 6, inclusive; of these, claim 4 is thought to be illustrative and reads as follows:

4. A power reverse mechanism comprising a motor, a valve and body therefor secured to said motor, a floating lever for said valve, and a bracket integrally formed with said body for guiding said floating lever, said bracket projecting down alongside of said motor.

The references relied upon are: Shaw, 1,819,795, August 18, 1931; Osbourne, 1,503,280, July 29, 1924; Lang, 1,480,940, January 15, 1924.

The subject matter of appellant's application is an alleged improvement in power reverse gears for steam locomotives. Power reverse gears for use in this connection are well known in the art; because of the weight of the valve gear on the main power cylinders of the locomotive, together with the weight of the incidental linkage between such gear and the cab, it was a difficult matter to manually make adjustments in the speed of the locomotive or to reverse it; consequently power reverse gears were devised whereby these adjustments are attained by

means of a fluid-operated motor. The power reverse gear disclosed by appellant, with the one exception hereinafter noted, is of the conventional type known to the art, as illustrated by the principal reference Shaw. Appellant shows a cylinder, having heads at both ends. Within the cylinder is a piston, said piston being mounted on a piston rod; the piston rod projects through each of the cylinder heads. Mounted on top of the cylinder, preferably by bolts so that it may be readily detached, is a valve mechanism, consisting of a valve stem body having intake and exhaust ports, the valve mechanism itself being supported in a suitable housing secured to the end of the valve stem body. The valve mechanism is an entirety and can be removed from the cylinder without the necessity of disturbing the cylinder heads. Appellant further shows a conventional "reach rod," extending back to the cab, by which rod the valve mechanism is actuated by the engineer; there is also disclosed a floating lever of conventional form, to the lower end of which is pivoted the usual "restoring link." This floating lever, as it is moved, passes between two guides which have a frictional engagement with the surface of said floating lever It is the location of these guides that is not conventional. The guides in question are mounted on a bracket, which bracket is supported by the valve mechanism. Thus, in appellant's structure, the valve mechanism also supports the guides for the floating lever.

As hereinbefore noted, the principal reference is Shaw. As to this reference, it may be said that it discloses substantially the same structure as is disclosed by appellant, except for the positioning of the guides for the floating lever. In Shaw these guides are shown as being mounted on the cylinder itself, being bolted thereto through the cylinder heads. His patent, however, after describing said mounting in detail, states:

> * * * It will be obvious that other means for mounting the guide on the reverse gear may be employed, if desired.

The patents to Osbourne and Lang need not be considered in detail. They are relied upon for a showing that it is old to mount desired parts of mechanisms on the valve casing.

The Examiner rejected the claims on appeal on Shaw in view of Lang and Osbourne. Upon appeal to the Board of Appeals, the decision of the Examiner was affirmed with only a general statement that the advantages of appellant's arrangement were regarded as being obvious to one skilled in the art. From the decision of the Board appellant took this appeal.

Appellant, in his appeal, stresses the fact that ever since the development of power reverse gears one great difficulty has been the tendency of the gear to "creep"; in other words, due to the excessive vibration to which such gears are subject when the locomotive is traveling at high speeds, and also due to wear at various parts of the linkage, the power reverse gear has a tendency to move from the position at which it is set by the engineer, necessitating consequent readjustment. That this is true seems to be borne out by the prior art; "creeping" seems to have been recognized as a major difficulty with power reverse gears, and various methods have been tried to obviate it. Appellant does not claim to have eliminated it wholly, but contends that his structure tends to remove one of the contributing factors producing it. It is his contention that, by mounting the guides for the floating lever on the valve mechanism itself, the vibrations set up in the valve and valve control mechanism are self-contained and, as he states in his application,

> "As a result any lateral vibrations transmitted to the floating lever will not be unduly transmitted to the valve because such forces are self-contained with the valve casing."

As to Shaw, appellant argues that lateral vibrations of the floating lever are likely because, the guides being on the cylinder itself, relative vibration between the guides and the lever is greater than in his structure, where the assembly is all one with the valve casing.

We are not satisfied that the Patent Office tribunals came to the wrong conclusion in rejecting appellant's claims. It will be noted that the valve mechanism of appellant's structure, protected by a housing, is mounted on the top of the cylinder, preferably by being bolted thereto. Insofar as general vibration of the floating lever is concerned, caused by a locomotive rolling and swaying while moving over the track at high speed, which the cited prior art states is one of the principal causes of "creeping", we see no material distinction between appellant's structure and that disclosed by Shaw. In either case the floating lever vibrates in consonance with the vibration of the cylinder. However, there is one cause of vibration which appellant's structure would, no doubt, obviate in part, which is an improvement over the structure disclosed by Shaw. We have hereinbefore noted that Shaw's guides are attached to the cylinder by being bolted to the ends thereof. If the heads of the cylinder should become loose in Shaw, vibration would be transmitted from such loose heads to the floating lever throughout its length, while the valve mechanism itself might not be affected by this vibration. This could not occur in appellant's structure, for neither his guides nor his valve mechanism are attached to the heads of the cylinder.

While this would seem to be a positive advantage should the cylinder heads become loose, we think it would be obvious to one skilled in the art that vibration of the floating lever from that cause could be readily obviated by attaching the guides either to the portion of the cylinder between the heads, or to the valve mechanism as appellant has done.

One other contention of appellant will be briefly commented upon, and that is that his guides, being entirely independent of the cylinder heads, the latter may be removed for inspection and repair without disassembling the guides, and that this improvement renders the claims patentable.

While this is an improvement over the cited prior art, it seems to us that it would readily occur to one skilled in the art that the attachment of the guides to the sides of the cylinder or to the valve mechanism would be an advantage in disassembling the cylinder.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

GRAHAM, *P. J.*, sat during the argument of this case, but died before the opinion was prepared.



## Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

945,488, W. B. Pulver, Check-controlled vending machine, D. C., W. D. N. Y., Doc. E 880, *W. B. Pulver* v. *Pulver Co., Inc.* Dismissed for lack of prosecution Mar. 8, 1938.

1,277,750, J. A. Pearce, Flotation process and apparatus, C. C. A., 10th Cir., Doc. 1550, *J. P. Ruth, Jr.* v. *Climax Molybdenum Co.* Doc. 1551, *J. P. Ruth, Jr.* v. *Shenandoah Dives Mining Co.* Doc. 1552, *J. P. Ruth, Jr.* v. *The London Gold Mines Co. et al.* Decree affirmed Dec. 14, 1937, in each of above cases.

1,283,794, W. Keely, Bending machine, filed Mar. 2, 1938, D. C. N. D. Ala. (Birmingham), Doc. 932, *W. Keely et al.* v. *W. M. Smith et al.*

1,431,198, M. T. Voigt, Transmission apparatus, C. C. A., 3d Cir., Doc. 6459, *American Safety Table Co.* v. *Singer Sewing Machine Co.* Patent held valid and infringed Mar. 9, 1938.

1,435,199, L. V. Blair, Heat insulated receptacle, D. C., N. D. Ill., E. Div., Doc. 12573, *The Mantle Lamp Co. of America* v. *Aluminum Products Co.* Dismissed for want of equity (patent invalid) July 30, 1934. Decree affirmed Dec. 22, 1936. Decree of C. C. A. affirmed by U. S. Supreme Court June 22, 1937.

1,490,470, W. H. Laubach, Firemen's trousers, D. C. W. D. Mo. (St. Joseph), Doc. E 298, *W. H. Laubach* v. *R. W. Hay et al.* (*Hay Bros. Tent & Awning Co.*). Patent held valid and infringed, injunction Mar. 16, 1938.

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1,645,370, W. E. Callison, Amusement device, C. C. A., 10th Cir., Doc. 1622, *W. E. Callison* v. *J. Boyle* (*Boyle Amusement Co.*) *et al.* Decree affirmed Mar. 21, 1938.

1,668,884, E. J. Bagnall, Apparatus for producing gaseous ozonides, D. C., S. D. Calif. (Los Angeles), Doc. E 544–J, *Terpensone, Inc., et al.* v. *A. S. Burney et al.* Dismissed as to all defendants except A. S. Burney, for want of prosecution Feb. 7, 1938.

1,718,176, H. W. Nordendale, Die punching method, D. C., N. D. Ill., E. Div., Doc. 9393, *Thorderson Electric Co.* v. *General Transformer Corp.* Decree finding patent void for want of invention, bill dismissed Feb. 23, 1938.

1,727,890, J. E. McGraw, Sr., et al., Center Irons, D. C., S. D. Calif. (Los Angeles), Doc. E 1258–J, *J. E. McGraw, Sr., et al.* v. *Vernon Tool Co., Ltd.* Patent held infringed, injunction Mar. 16, 1938.

1,760,912. (See Re. 18,249.)

1,793,672, E. V. Camp, Resilient traffic guard, D. C., N. D. Ohio (Cleveland), Doc. E 5578, *E. V. Camp* v. *Truscon Steel Co.* Dismissed (notice Mar. 14, 1938).

1,800,558, Moran & Lee, Goggles, filed Nov. 29, 1937, D. C., N. D. Ohio (Cleveland), Doc. E 5671, *R. Malcom et al.* v. *The Safety Clothing Co.* Dismissed without prejudice Mar. 12, 1938.

1,803,642, 1,819,441, H. R. Rafton, Paper product and method of making same; 1,848,659, same, Manufacture of paper; 1,831,928, same, Method for the elimination of foam in paper manufacture and the product thereof, C. C. A., 3d Cir., Doc. 6222, *Rafold Process Corp.* v. *Castanea Paper Co.* Claims 1 and 8 of 1,803,642, and Patent 1,819,441 held not infringed; Patents 1,848,659 and 1,831,928 held invalid Mar. 17, 1938.

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1,819,441. (See 1,803,642.) 1,831,928. (See 1,803,642.)

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1,932,659, S. I. Granite, Tile cutting and breaking machine, D. C., S. D. Calif., C. Div., Doc. E 998–H, *S. I. Granite* v. *C. Massey et al.* Dismissed, patent held not infringed Feb. 11, 1938.

1,958,580, A. A. Kasarjian, Spark plug, filed Mar. 14, 1938, D. C., S. D. N. Y., Doc. E 86/349, *Aero Spark Plug Co., Inc., et al.* v. *B. G. Corp.*

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1,984,973, S. Krasnov, Slip cover for furniture, D. C., S. D. N. Y., Doc. E 84/247, *Sure-Fit Products Co.* v. *Vatco Mfg. Co., Inc.* Consent order of discontinuance without prejudice (notice Mar. 16, 1938).

2,027,430, C. H. Hansen, Container, D. C., N. D. Calif. (San Francisco), Doc. E 4152–S, *C. H. Hansen* v. *Nestle's Milk Products, Inc.* Patent held valid but not infringed; bill dismissed Mar. 7, 1938. Doc. E 4153–L, *C. H. Hansen* v. *Continental Can Co., Inc.* Decree as above.

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2,089,720, R. A. Ferguson, Extension couch, filed Mar. 22, 1938, D. C., E. D. Mich. (Detroit), Doc. 8356, *Simmons Co.* v. *S. Weissman et al.* (*N. Y. Bed Spring Mfg. Co.*).

2,096,672, J. Goodson, Practice apparatus for card games, suit for declaratory judgment filed Mar. 14, 1938, D. C., S. D. N. Y., Doc. E 86/348, *Solo Bridge Co.* v. *Autobridge, Inc.*

Re. 18,249, J. M. McGinley, Detachable support, D. C., N. D. Ga. (Atlanta), Doc. E 834, *Tray Service Co.* v. *M. H. Nussbaum* (*Endore Tray Co.*). Consent decree, injunction Mar. 17, 1938.

Re. 18,841, J. Mayer, Hair waving method, D. C., E. D. Mich. (Detroit), Doc. 7536, *The Philad Co.* v. *E. Morris Mfg. Co.* Consent decree for plaintiff Mar. 15, 1938. Doc. 8348, *The Philad Co.* v. *Velva Wave-In-Oil Co., Inc., et al.*

Des. 96,558, L. Ludwig, Electric lamp base, D. C., S. D. N. Y., Doc. E 86/193, *Eagle Electric Mfg. Co.* v. *Rex Electric Mfg. Corp. et al.* Consent decree for plaintiff (notice Mar. 11, 1938).

Des. 102,247, J. J. Blackstone, Textile fabric, D. C., S. D. N. Y., Doc. E 84/206, *J. J. & M. Blackstone, Inc.*, v. *Melris Lace, Inc.* Doc. E 84/212, *J. J. & M. Blackstone, Inc.*, v. *Abrams & Norman, Inc.* Discontinued (notice Mar. 15, 1938), in both cases.

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Des. 106,503, H. Gottesman, Dress, filed Mar. 11, 1938, D. C., S. D. N. Y., Doc. E 86/342, *Penelope Frocks, Inc., v. Seville Dress Mfg. Co., Inc.*

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Des. 108,271, M. G. Strangard, Dress, filed Mar. 12, 1938, D. C., S. D. N. Y., Doc. E 86/343, *Coronet Costume & Folly Frocks Co., Inc., v. Miller & Cutter, Inc.*

Des. 108,284, A. H. Wolsfield, Combined clock face and metronome, filed Mar. 18, 1938, D. C., S. D. N. Y., Doc. E 86/354, *A. H. Wolsfeld v. Warner Bros. Pictures, Inc., et al.*

Des. 108,686, N. Rolfe, Ensemble dress, filed Mar. 14, 1938, D. C., S. D. N. Y., Doc. E 86/344, *Rolfe Bros., Inc., v. Accurate Mfg. Co., Inc.*

Des. 108,687, P. Schlessel, Dress, filed Mar. 19, 1938, D. C., S. D. N. Y., Doc. E 86/357, *N. Y. Dress & Costume Co., Inc., v. H. Bidlinger.*

Des. 108,854, J. L. Walther, Woven textile fabric, filed Mar. 21, 1938, D. C., S. D. N. Y., Doc. E 86/360, *J. Walther Fabrics, Inc., v. Friedman & Reiss, Inc.*

## Adjudicated Patents

(D. C. N. Y.) Dunn patent, No. 1,359,880, for self-filling fountain-pen, *Held* invalid. *Dunn v. L. E. Waterman Co.*, 22 F. Supp. 543.

(D. C. Pa.) Jacques patent, No. 1,383,306, for connector for lubricating apparatus, claims 1 and 2 *Held* invalid and not infringed. *Jacques v. Universal Lubricating Systems*, 22 F. Supp. 458.

(C. C. A. Ohio.) Cumfer patent, No. 1,604,339, for roofing element and roof made thereof, claims 7 to 15 *Held* invalid. *Patent & Licensing Corporation v. Weaver-Wall Co.*, 95 F. (2d) 182.

(D. C. R. I.) Swift patent, No. 1,974,883, for manufacture of gold leaf carrier, claims 3 and 5 *Held* invalid. *M. Swift & Sons v. W. H. Coe Mfg. Co.*, 22 F. Supp. 527.

(D. C. N. Y.) Davison patent, No. 2,001,527, for construction of rugs of pile fabrics, claims 1 and 4 *Held* invalid. *Davison v. Alexander Smith & Sons Carpet Co.*, 22 F. Supp. 461.

## Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,999,118, A. S. Simsack, Shielding system for radioreceiver equipped vehicles, decided April 9, 1938, claims 1, 2, 3, and 4.

Pat. 2,062,016, Iwan Serrurier, Film rewinder, decided April 12, 1938, claims 1 and 2.

Pat. 2,062,580, O. K. Kelley, Gear shift damper, decided April 12, 1938, claims 3, 5, and 6.

## Disclaimers

1,766,420.—*Edwin G. Wessman*, Easton, Pa., and *Henry A. Stone*, Bogota, N. J. PAPER-CUP-MAKING MACHINE. Patent dated June 24, 1930. Disclaimer filed April 7, 1938, by the assignee, *Dixie-Vortex Company.*

Hereby enters this disclaimer of claims 76, 77, 101, 102, 104, 107, 108, 109, 110, 111, 114, 149, 150, 152, 153, 156, 164, and 165.

1,939,321.—*Thomas H. Seely*, Melrose, Mass. STOPPING MECHANISM. Patent dated December 12, 1933. Disclaimer filed April 8, 1938, by the assignee, *United Shoe Machinery Corporation.*

Hereby enters this disclaimer to claims 1, 2, 4, and 11 of said Letters Patent.

2,074,392.—*John A. Herbst*, Rivervale, N. J. NUMERICAL COMPARATOR. Patent dated March 23, 1937. Disclaimer filed April 8, 1938, by the assignee, *The Teleregister Corporation.*

Hereby enters this disclaimer to claims 4, 5, and 12 of the patent.

2,098,954.—*Otto Dalmer, Claus Dichl*, and *Hartmann Pieper*, Darmstadt, Germany. HYDROURACIL COMPOUNDS AND PROCESSES FOR THEIR PRODUCTION. Patent dated November 16, 1937. Disclaimer filed April 11, 1938, by the patentees; the assignee, *Merck & Co., Inc.*, concurring.

Hereby enter this disclaimer to that part of claim 18 in said specification relating to processes for the conversion of urethano compounds to hydrouracil compounds except those processes in which the urethano compounds are treated with alkaline condensing agents to obtain hydrouracils by ring formation.

# TRADE-MARKS

## OFFICIAL GAZETTE, MAY 10, 1938

[VOL. 490. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

## CLASS 1

### Raw or Partly Prepared Materials

Ser. No. 392,292. SOCIETE ANONYME DES ANCIENS ETABLISSEMENTS C. & E. CHAPAL FRERES & CIE., Montreuil-Sous-Bois, France. Filed May 4, 1937.




The words "Paris" and "Premier Choix" are disclaimed apart from the mark.

For Dressed and Lustered Hides, Pelts, and Skins of All Kinds for Furs.

Claims use since 1909.

Ser. No. 401,467. BECK, KOLLER & CO., INC., Detroit, Mich. Filed Jan. 3, 1938.




For Resins, Particularly, Synthetic Resins, and Processed Natural Resins, Resin Solutions, Particularly Plastic Resin Solutions.

Claims use since Sept. 16, 1937.

Ser. No. 402,352. UNION COAL COMPANY, INC., Rochester, N. Y. Filed Jan. 26, 1938.




No claim is made to the word "Anthracite" apart from the mark.

For Coal.

Claims use since Feb. 1, 1935.

Ser. No. 402,432. MOULDRITE LIMITED, London, England. Filed Jan. 28, 1938.

KALLODENT

For Synthetic Resins Sold in Shaped Pieces for Industrial Purposes.

Claims use since May 2, 1934.

Ser. No. 403,405. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Feb. 25, 1938.

Lanusa

For Artificial Fibers.

Claims use since May 26, 1937.

Ser. No. 403,447. ELLIS-FOSTER COMPANY, Montclair, N. J. Filed Feb. 26, 1938.

**ELFOLITE**

For Synthetic Resins.
Claims use since Dec. 15, 1937.

Ser. No. 404,140. THE UNITED STATES GRAPHITE COMPANY, Saginaw, Mich. Filed Mar. 16, 1938.

**GRAPHITAR**

For Graphite, the Particular Character of the Material Being That It Contains or Consists of Graphite Prepared for the Manufacture of Molded Carbon Products, Including Bearings, Sliding Plates, Clutch Release Bearings, Seal Rings for Compressors, Liquid Meter Pistons, or Discs, Mechanical Seals on Water Pumps, Turbine Packing Rings, Elevator Gibs, Thrust Bearings, Electrical Contacts, Lining for Chemical Processing Tanks, and Friction Blocks on Brakes.
Claims use since Jan. 13, 1938.

## CLASS 4

### Abrasive, Detergent, and Polishing Materials

Ser. No. 399,630. WARWICK CHEMICAL COMPANY, West Warwick, R. I. Filed Nov. 11, 1937.

**CARPOLE**

For Detergents for Use in Textile and Laundry Work.
Claims use since Oct. 20, 1937.

Ser. No. 401,316. THE PETROLEUM SOLVENTS COMPANY, Butler, Pa. Filed Dec. 28, 1937.

**PETROSOL**

For Solvent Naphtha Used as a Cleaning Fluid.
Claims use since Sept. 1, 1935.

Ser. No. 401,364. ENSIGN PRODUCTS COMPANY, Cleveland, Ohio. Filed Dec. 30, 1937.

**371**

For Belt Dressing and Preserver.
Claims use since September, 1912.

Ser. No. 403,178. CLAUDE H. HOOVER, doing business as C-Lite Products, Goshen, Ind. Filed Feb. 18, 1938.

**C-LITE**

For Liquid Preparation for Cleaning and Polishing Glass and Metal.
Claims use since Aug. 19, 1937.

Ser. No. 403,491. BASOL LABORATORIES, INC., Greenville, S. C. Filed Feb. 28, 1938.

**BASOL**

For Solvent in the Form of a Paste Used Primarily for Washing Painted Surfaces.
Claims use since August, 1931.

## CLASS 6

### Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 393,057. IDA LEVINTHAL, doing business as Fru-Lax Company, Chicago, Ill. Filed May 22, 1937.

**FRU LAX**

For Dried Ground-Up Highly Laxative Medicinal Fruits Such as Cassia Fistula (India Fruit), St. John's Pod (Carob Fruit), and Enzymes from Grains and Fruits.
Claims use since Mar. 1, 1929.

Ser. No. 395,274. CALGON, INC., Pittsburgh, Pa. Filed July 16, 1937.

**Calgon Bouquet**

The word "Bouquet" is disclaimed apart from the mark.
For Perfumed Water Softening Chemical for Use in the Bath, and for Laundering Delicate Fabrics.
Claims use since July 8, 1937.

Ser. No. 395,447. DRUGGISTS' CORPORATION, LIMITED, Toronto, Canada. Filed July 20, 1937.

**VELVETTA**

For Hand Lotions.
Claims use since July 1, 1935.

Ser. No. 396,934. WM. J. STANGE CO., Chicago, Ill. Filed Aug. 30, 1937.

**JIFFY**

For Tablets for Curing Meat and for Food Color Tablets.
Claims use since July 26, 1937.

Ser. No. 397,969. AGNES E. HANNA, New York, N. Y. Filed Sept. 30, 1937.

**D-de-LAYNE**

For Tissue Cream, Skin Tonic, Foundation Cream, and Liquefied Cleansing Cream.
Claims use since Dec. 16, 1936.



Ser. No. 402,012. MEDICINAL RESEARCH LABORATORIES, Philadelphia, Pa. Filed Jan. 17, 1938.

**AMINOGLYCOL**

For Preparation Used as a Nutritive and Stimulant Tonic in Muscular Disease and Fatigue.
Claims use since July, 1937.

Ser. No. 402,275. THE PLATE KLEEN PRODUCTS COMPANY, Dayton, Ohio. Filed Jan. 24, 1938.

**Pkay PLATE KLEEN**

No claim is made to the words "Plate Kleen" apart from the mark.
For Dentifrice for Both Natural Teeth and Artificial Teeth.
Claims use since September, 1931.

Ser. No. 402,843. CLARK-MILLNER CO., doing business as Escort Co., Chicago, Ill. Filed Feb. 9, 1938.

**ESCORT**

For Nail Polish Remover Pads Treated with a Chemical and Cleansing Pads Saturated with Cleansing Solution for Toilet Use.
Claims use since Jan. 17, 1938.

Ser. No. 403,386. MURRAY ROCK, Denver, Colo. Filed Feb. 25, 1938.




The portrait is fanciful. The word "Tint" is disclaimed apart from the syllable "Par."
For Hair Tinting Rinses.
Claims use since Jan. 1, 1938.

Ser. No. 403,555. NIACET CHEMICALS CORPORATION, Niagara Falls, N. Y. Filed Mar. 1, 1938.

**NIACET**

For Acetal, Acetaldehyde, Acetaldol, Acetaldehyde Bisulphite, Acetamide, Acetic Acid, Aldol, Aluminum Acetate, Aluminum Formate, Ammonium Acetate, Butyl Levulinate, Calcium Levulinate, Copper Acetate, Crotonaldehyde, Crotonic Acid, Ethyl Crotonate, Ferric Acetate, Iron Acetate Liquor, Levulinic Acid, Manganese Acetate, Methyl Acetate, n-Butyl Crotonate, Paraldehyde, Pentaerythritol, Pentaerythritol Tetra Acetate, Potassium Acetate, Sodium Acetate, Sodium Diacetate, Vinyl Acetate, and Zinc Acetate.

Claims use on acetic acid since July 20, 1937; on acetal, aluminum acetate, crotonic acid, and levulinic acid since August, 1937; on acetaldehyde, acetaldol, acetamide, aldol, aluminum formate, iron acetate liquor, paraldehyde, potassium acetate, and vinyl acetate since September, 1937; on calcium levulinate, copper acetate, crotonaldehyde, ethyl crotonate, ferric acetate, methyl acetate, n-butyl crotonate, pentaerythritol, and sodium acetate since October, 1937; on ammonium acetate, butyl levulinate, manganese acetate, and pentaerythritol tetra acetate since November, 1937; on acetaldehyde bisulphite and sodium diacetate since December, 1937; and on zinc acetate since Jan. 5, 1938.

Ser. No. 403,652. THOMAS B. ESPERON, Detroit, Mich. Filed Mar. 3, 1938.

**ASTRO**

For Certain Pharmaceutical Preparation—To Wit, a Preparation for the Treatment of Obesity.
Claims use since Jan. 1, 1937.

Ser. No. 403,660. BENJAMIN C. PENN, doing business as Pioneer Beauty Supply Company, Chicago, Ill. Filed Mar. 3, 1938.

☆ THE ☆
**CELAFANE**
**CURLING FLUID**
☆

No claim is made to the words "Curling Fluid" apart from the mark.
For Hair-Dress Preparation.
Claims use since Apr. 30, 1935.

Ser. No. 403,767. P. STEPHEN HARRIS, doing business as National Cosmetic Sales Co., Kansas City, Mo. Filed Mar. 7, 1938.

**Never-Tel**

For Perfumed Deodorant.
Claims use since Feb. 21, 1938.

Ser. No. 403,893. ASTONE PRODUCTS CO., Lansdale, Pa. Filed Mar. 10, 1938.

**HÊTONE**

For Antiseptic for the Eyes, Mouth, and Nose in the Form of a Liquid, Tablets, Pastilles, or Capsules.
Claims use since June 1, 1932.

Ser. No. 403,912. C. J. EZELL, Chicago, Ill. Filed Mar. 10, 1938.

CUSTODIAN

For Cold Creams.
Claims use since Dec. 28, 1937.

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Ser. No. 403,928. JOHN WYETH AND BROTHER, INCORPORATED, Philadelphia, Pa. Filed Mar. 10, 1938.

BEWON

For Medicinal Preparation Containing Vitamin $B_1$ for Use as a Tonic and an Appetite Stimulator.
Claims use since Feb. 21, 1938.

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Ser. No. 403,951. WILLIAM J. MCNULTY, Montclair, N. J. Filed Mar. 11, 1938.

CONIB

For Preparation for Teething and Sore Gums.
Claims use since December, 1937.

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Ser. No. 403,990. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Mar. 12, 1938. Under section 5b of the act of 1905 as amended in 1920.

COLGATE

For Glycerine.
Claims use since Feb. 1, 1937.

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Ser. No. 404,018. SOCIETE ANONYME LA BIOTHERAPIE (SOCIÉTÉ ANONYME DE PRODUITS CHIMIQUES, BIOLOGIQUES ET D'HYGIÈNE), Paris, France. Filed Mar. 12, 1938.

CELLUCRINE

For General Tonic and Remedy Used in the Treatment of All Forms of Anemia and Malnutrition.
Claims use since Oct. 29, 1936.

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Ser. No. 404,027. LEADA ASHWORTH, doing business as Bomtex Company, Kansas City, Mo. Filed Mar. 14, 1938.

BOMTEX

For Antiseptic Dressing.
Claims use since Jan. 12, 1938.

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Ser. No. 404,038. FILTROL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Mar. 14, 1938.

MARVALO

For Adsorptive and Purifying Material for Treatment of Dry Cleaners' Solvents.
Claims use since Feb. 21, 1938.

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Ser. No. 404,063. FREDERICK STEARNS & COMPANY, Detroit, Mich. Filed Mar. 14, 1938.

NEO-SYNEPHRIN

For Preparation Used as a Vasoconstrictor Having Local and Systemic Action, for Prolonging Local Anesthesia and for Hemostasis, as a Diuretic and/or Antidiuretic, and to Lessen Asthenia, and as an Antispasmodic.
Claims use since May 19, 1933.

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Ser. No. 404,083. E. S. HOLSEN, Attica, Ind. Filed Mar. 15, 1938.

BALM-AID

The words "Balm-Aid" are not claimed apart from the mark.
For Salve for Use in Treating Burns, Sunburn, Cuts, Bruises, Cold in Head, and Chapped Skin.
Claims use since Jan. 25, 1938.

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Ser. No. 404,182. POLORIS COMPANY, INC., New York, N. Y. Filed Mar. 17, 1938.

Inthol

For Nose Drops, Ointment, and Analgesic Preparation Having Antiseptic Properties, Applied Externally for the Treatment of Minor Infections, for the Relief of Pain and for the Relief of Local Congestion, and Specially Recommended for the Treatment of Abrasions, Cuts, Bruises, Minor Burns, Sprains, Sunburn, Insect Bites, Muscular Aches, Athlete's Foot, Bronchial and Throat Irritations, and Simple Neuralgia.
Claims use since December, 1925, on said analgesic preparation; since March, 1936, on said ointment; and since January, 1937, on said nose drops.



Ser. No. 404,198. CARL A. DIXON, doing business as Vitefolyn Company, Des Moines, Iowa. Filed Mar. 17, 1938.

VITEFOLYN

For Medicinal Lotion for the Scalp.
Claims use since July 1, 1937.

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Ser. No. 404,200. C. F. BURGESS LABORATORIES, INC., Chicago, Ill. Filed Mar. 18, 1938.

ALKALEX

For Granular Material for Chemically Softening and Conditioning Water.
Claims use since Feb. 26, 1938.

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Ser. No. 404,225. MODERN PHARMACALS, LIMITED, London, England. Filed Mar. 18, 1938.

NOVALKAL

For Pharmaceutical Preparation for Human Use for the Treatment of Gastro-Intestinal Disorders.
Claims use since June 25, 1936.

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Ser. No. 404,272. E. R. SQUIBB & SONS, New York, N. Y. Filed Mar. 19, 1938.

STABISOL

For Syphilotherapeutic.
Claims use since Mar. 10, 1938.

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## CLASS 12

### Construction Materials

Ser. No. 396,621. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Aug. 20, 1937.

HYDROSTONE

For Casting Plaster Composition Comprising Mainly Calcined Gypsum.
Claims use since January, 1934.

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Ser. No. 403,166. COAL TAR PRODUCT COMPANY, Brooklyn, N. Y. Filed Feb. 18, 1938.




The word "Brand" is disclaimed apart from the mark.
For Roofing Cement Composed of Coal Tar, Slate, and Asbestos.
Claims use since June 1, 1900.

## CLASS 13

### Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 363,470. SUPERIOR FASTENER CORPORATION, Chicago, Ill. Filed Apr. 6, 1935.

SKOTCH

For Metal Wood Holding Cleats.
Claims use since Feb. 1, 1934.

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## CLASS 14

### Metals and Metal Castings and Forgings

Ser. No. 404,251. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Mar. 19, 1938.




For Nickel-Containing Alloys in the Form of Blooms, Billets, Slabs, Sheet Bars, Rods, Plate, Sheet, Strip, Wire, Welding Rods, Forgings, and Castings.
Claims use since June 29, 1937.

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## CLASS 16

### Paints and Painters' Materials

Ser. No. 398,470. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill. Filed Oct. 14, 1937.




The words "Real Enamel" are disclaimed apart from the mark. The drawing is lined for red.
For Paint Enamels.
Claims use since Feb. 21, 1935.

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Ser. No. 403,704. MIDWAY CHEMICAL CO., Jersey City, N. J. Filed Mar. 4, 1938.

AEROWAX

For Wax Polish.
Claims use since June 30, 1932.

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Ser. No. 404,483. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed Mar. 25, 1938.

TYTANWAL

For Dry and Ready Mixed Paints, Paint Enamels, Stains, Lacquers, and Varnishes.
Claims use since Jan. 26, 1938.

## CLASS 17

### Tobacco Products

Ser. No. 396,292. ANTHONY KLEINER, Grand Rapids, Mich. Filed Aug. 13, 1937.

Anthony Kleiner

PERSONAL SELECTION



The words "Personal Selection" are disclaimed apart from the mark. The portrait is fanciful. The name "Anthony Kleiner" is the autographic signature of applicant.

For Cigars.

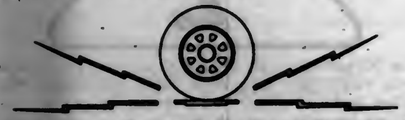
Claims use since Oct. 15, 1936.

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## CLASS 21

### Electrical Apparatus, Machines, and Supplies

Ser. No. 389,971. AUTOMATIC SIGNAL CORPORATION, New York, N. Y. Filed Mar. 12, 1937.



For Automatic Electric Traffic Control Signalling Systems and Apparatus, and Vehicle Operated Devices—Namely, Treadle Switches, Magnetic Detectors, Light Beam Detectors, and Other Forms of Devices Responsive to Changes in Pressure, Sound, Light, Radiant Energy, Electromagnetic Field, or Electrostatic Field Produced by Vehicles at or Passing a Point Where it is Desired to Detect Them, for Operating Traffic Control or Warning Signals, or Traffic Counters, for Example.

Claims use since Dec. 10, 1929.

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Ser. No. 394,283. HORNI SIGNAL MANUFACTURING CORPORATION, New York, N. Y. Filed June 19, 1937.

PENA-TONE

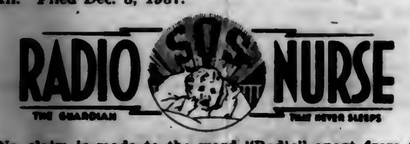
The word "Tone" is disclaimed apart from the mark.

For Sounding Horns, Signals, Audible Alarms, and Parts Thereof, for Use with Fire Alarm Electrical Signaling Systems and for General Use.

Claims use since April, 1935.

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Ser. No. 400,443. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Dec. 3, 1937.




No claim is made to the word "Radio" apart from the mark.

For Radio Frequency and Audio Frequency Transmitting and Receiving Apparatus and Parts Thereof.

Claims use since Nov. 30, 1937.

Ser. No. 402,042. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Jan. 17, 1938.




No claim is made to the representation of the goods apart from the mark.

For Radio Frequency and Audio Frequency Transmitting and Receiving Apparatus and Parts Thereof.

Claims use since Jan. 13, 1938.

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Ser. No. 402,043. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Jan. 17, 1938.




No claim is made to the word "Radio" or to the representation of the goods.

For Radio Frequency and Audio Frequency Transmitting and Receiving Apparatus and Parts Thereof.

Claims use since Jan. 13, 1938.

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Ser. No. 402,210. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Jan. 21, 1938.




No claim is made to the representation of the goods apart from the mark.

For Radio Frequency and Audio Frequency Transmitting and Receiving Apparatus and Parts Thereof.

Claims use since Jan. 13, 1938.

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Ser. No. 402,812. THE ARROW-HART & HEGEMAN ELECTRIC COMPANY, Hartford, Conn. Filed Feb. 8, 1938.




For Electrical Circuit Breakers, Switches, Fuses, Fuse Plug Cut Outs, Bases, Outlet Box and Housings, Receptacles, Sockets, Socket Keys, Attachment Plugs, Adapters, Warning Lights Including Electric Incandescent Lamps, Hoods for said Lamps, Wall Plates, Wall Brackets, Shade Holders for Incandescent Electric Lamps, Electric Cord Sets, Attachment Plug Caps, Antenna Transformers, Coils, Thermal Relays, and Parts and Combinations Thereof.

Claims use since Aug. 17, 1908.



Ser. No. 403,883. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Mar. 9, 1938.

REFRACTOLUX

For Electric Luminaires.

Claims use since Jan. 27, 1938.

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Ser. No. 404,151. C. D. WOOD ELECTRIC COMPANY, INC., New York, N. Y. Filed Mar. 16, 1938.

WORLD TRAVELERS' ELECTRIC KIT

The words "Electric Kit" are disclaimed apart from the mark.

For Plug Receptacles, Plugs, Adapters, Connecting Cords, Extension Cords, Voltage Reducers.

Claims use since May 15, 1937.

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## CLASS 22

### Games, Toys, and Sporting Goods

Ser. No. 393,207. WILLIAM J. BEBB COMPANY, INC., New York, N. Y. Filed May 25, 1937.

Austronia

For Skis and Component Parts Thereof.

Claims use since Apr. 5, 1937.

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Ser. No. 393,208. WILLIAM J. BEBB COMPANY, INC., New York, N. Y. Filed May 25, 1937.

Tyronia

For Skis and Component Parts Thereof.

Claims use since Apr. 5, 1937.

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Ser. No. 403,297. BABY BATHINETTE CORPORATION, Rochester, N. Y. Filed Feb. 23, 1938.

Doll Bathinette

No claim is made to the word "Doll".

For Bathing Devices for Dolls.

Claims use since January, 1932.

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Ser. No. 403,407. RALPH A. FREUNDLICH, INC., Clinton, Mass. Filed Feb. 25, 1938.

DUMMY DAN

The word "Dan" is disclaimed.

For Novelty Dolls or Dummy Representations of Beings.

Claims use since Nov. 1, 1937.

Ser. No. 403,771. KUATRO SALES CORPORATION, Seattle, Wash. Filed Mar. 7, 1938.

QUINELLA

For Board Games Played With Movable Pieces.

Claims use since Jan. 1, 1938.

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Ser. No. 404,194. TYCOON TACKLE, INC., Miami, Fla. Filed Mar. 17, 1938.

The Scion

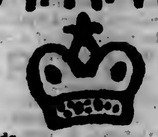
For Fishing Rods.

Claims use since February, 1937.

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Ser. No. 404,195. TYCOON TACKLE, INC., Miami, Fla. Filed Mar. 17, 1938.

The H.R.H.



For Fishing Rods.

Claims use since December, 1936.

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## CLASS 23

### Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 384,916. FITCHBURG GRINDING MACHINE CORP., Fitchburg, Mass. Filed Oct. 28, 1936.




The representation of a portion of the goods and the words "The Head" are disclaimed apart from the mark.

For Machines for Grinding Metal.

Claims use since Aug. 17, 1936.

Ser. No. 389,666. WOOD NEWSPAPER MACHINERY CORPORATION, New York, N. Y. Filed Mar. 4, 1937.

**SPEEDWORTHY**

For Printing Machines.
Claims use since Feb. 25, 1932.

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Ser. No. 392,550. PARROT SPEED FASTENER CORP., New York and Long Island City, N. Y. Filed May 10, 1937.

*Swingline*

For Stapling Machines, Tackers, and Pliers.
Claims use since Jan. 2, 1937.

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Ser. No. 393,188. STRATFORD ENGINEERING CORPORATION, Kansas City, Mo. Filed May 24, 1937.

**STRATCOLD**

For Apparatus for Refining Hydrocarbon Oils, Adapted to Treat Hydrocarbon Oils Under Reduced Temperatures With Contacting Agents.
Claims use since Mar. 18, 1937.

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Ser. No. 400,459. HARDINGE COMPANY, INCORPORATED, York, Pa. Filed Dec. 4, 1937.

**ELECTRIC EAR**

The term "Electric" is disclaimed apart from the mark.
For Noise Responsive Control Apparatus for Automatically Controlling the Operation of a Mechanism.
Claims use since Jan. 13, 1937.

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Ser. No. 402,577. SINGER SHAVER CORPORATION, Wilmington, Del. Filed Feb. 1, 1938.

*AMERICAN CLIPPER*



The words "American Clipper" and "A. C. Power Shaver" and the representation of the goods per se are disclaimed.
For Dry Shavers.
Claims use since Dec. 22, 1937.

## CLASS 26

### Measuring and Scientific Appliances

Ser. No. 389,274. TAYLOR, TAYLOR & HOBSON, LIMITED, Leicester, England. Filed Feb. 23, 1937.

**TELEKINIC**

For Photographic Lenses.
Claims use since Dec. 4, 1925.

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Ser. No. 401,924. COX & STEVENS AIRCRAFT CORP., Mineola, N. Y. Filed Jan. 15, 1938.

**LOAD ADJUSTER**

The word "Load" is disclaimed apart from the mark.
For Instruments to be Used in Determining the Flight Balance of Aircraft and Dials to be Used With Such Instruments.
Claims use since June 15, 1937.

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Ser. No. 402,949. OZALID CORPORATION, New York, N. Y. Filed Feb. 11, 1938.

*Ozalid*

For Machines for Developing Diazo Type Prints and Parts Thereof.
Claims use since May 1, 1936.

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Ser. No. 402,977. HUNTER ELECTRO-COPYIST, INC., Syracuse, N. Y. Filed Feb. 12, 1938.

ELECTRO-*Copyist*

The drawing is lined for red.
For Photocopying Apparatus, Supplies Therefor, and Parts Thereof—Namely, Photographic Printing Machines and Sensitised Paper.
Claims use since Mar. 16, 1936.



Ser. No. 403,122. FINK-ROSELIEVE CO. INC., New York, N. Y. Filed Feb. 17, 1938.

**F-R**

For Photographic Apparatus, Such as Film Wipers, Developing Tanks, Developing Thermometers, Timers, and Film Racks.
Claims use on developing thermometers since Feb. 21, 1936; on film wipers since Sept. 11, 1936; on timers since July 13, 1937; and on developing tanks and film racks since Aug. 20, 1937.

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Ser. No. 403,123. FINK-ROSELIEVE CO. INC., New York, N. Y. Filed Feb. 17, 1938.



For Photographic Apparatus, Such as Film Wipers, Developing Tanks, Developing Thermometers, Timers, and Film Racks.
Claims use on developing thermometers and film wipers since December, 1936; on timers since July 13, 1937; on developing tanks and film racks since Aug. 20, 1937.

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Ser. No. 404,134. L. OPPLEMAN, INC., New York, N. Y. Filed Mar. 16, 1938.

**VARISCOPE**

For Telescopes.
Claims use since Feb. 1, 1938.

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Ser. No. 404,148. WILLSON PRODUCTS, INC., Reading, Pa. Filed Mar. 16, 1938.

**SONITE COVERS**

The word "Covers" is disclaimed apart from the mark.
For Protection Shields for Goggles.
Claims use since June 24, 1937.



## CLASS 27

### Horological Instruments

Ser. No. 404,173. ROBERT L. HUNTER, doing business as The Nautical Clock Co., Norfolk, Va. Filed Mar. 17, 1938.

*Shipmate*

For Watches, Clocks, Chronometers, and Dials Therefor.
Claims use since May 23, 1936.

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## CLASS 29

### Brooms, Brushes, and Dusters

Ser. No. 404,569. LETELLIER-PHILLIPS PAPER COMPANY, INC., New Orleans, La. Filed Mar. 28, 1938.

**TEXSTAR**

For Wiping Cloths.
Claims use since Dec. 1, 1937.

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## CLASS 32

### Furniture and Upholstery

Ser. No. 403,034. CLOPAY CORPORATION, Cincinnati, Ohio. Filed Feb. 15, 1938.

**Rib-Tex**

For Window Shades.
Claims use since Feb. 1, 1938.

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Ser. No. 404,233. SIMMONS COMPANY, New York, N. Y. Filed Mar. 18, 1938.

**EXPOSITION**

For Mattresses, Box Springs, Studio Couches, Sofas, Beds, and Bed Springs.
Claims use since Feb. 25, 1938.

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Ser. No. 404,257. MURPHY CHAIR COMPANY, Owensboro, Ky. Filed Mar. 19, 1938.

MURPH-EASE

For Spring Seat Chair Construction.
Claims use since Feb. 2, 1938.

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Ser. No. 404,407. THE GOSHEN MANUFACTURING COMPANY, Goshen, Ind. Filed Mar. 23, 1938.

**TRAVELAWN**

For Lawn Chairs.
Claims use since Jan. 3, 1938.

Ser. No. 404,421. CARL F. STREIT, doing business as C. F. Streit Manufacturing Company, Cincinnati, Ohio. Filed Mar. 23, 1938.

Betsy Rocker

The word "Rocker" is disclaimed apart from the mark.
For Chairs.
Claims use since Feb. 28, 1938.

## CLASS 34

### Heating, Lighting, and Ventilating Apparatus

Ser. No. 402,466. ALVA GUY BLANCHARD, doing business as Inferno Company, Shreveport, La. Filed Jan. 29, 1938.




The words "Trade Mark" are disclaimed apart from the mark.
For Gas Burners and Oil Burners.
Claims use since Aug. 1, 1937.

## CLASS 37

### Paper and Stationery

Ser. No. 399,818. THE ALBEMARLE PAPER MFG. COMPANY, Richmond, Va. Filed Nov. 17, 1937.

KRISKRAFT

No claim is made to the word "Kraft" apart from the mark.
For Kraft Paper for Wrapping and Converting Purposes.
Claims use since Dec. 12, 1930.

Ser. No. 400,433. COLUMBIAN ART WORKS, INC., Milwaukee, Wis. Filed Dec. 9, 1937.

Cover-note

The word "Note" is disclaimed except as shown.
For Desk Pads, Writing Pads, and Memorandum Pads.
Claims use since June 1, 1937.

Ser. No. 404,402. B. K. ELLIOTT COMPANY, Pittsburgh, Pa. Filed Mar. 23, 1938.

DT

For Tracing Cloth.
Claims use since Feb. 11, 1938.

Ser. No. 404,468. CELLULOID CORPORATION, Newark, N. J. Filed Mar. 25, 1938.

LUMARITH

For Envelopes, Envelope Windows; Papery Material for Writing, Drawing, Printing, and Decorative Purposes; Stencils, Gummed Tape, and Cellulosic Transparent and Translucent Wrapping and Packaging Material.
Claims use since Feb. 16, 1938.

Ser. No. 404,516. COMMERCIAL LEDGER SERVICE, Chippewa Falls, Wis. Filed Mar. 26, 1938.

LEDGRGRAPH

For Blank Forms for Sales and Accounting Records or the Like and Loose Leaf Binders for the Same.
Claims use since Mar. 10, 1938.

## CLASS 38

### Prints and Publications

Ser. No. 388,901. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937.

KITTY HIGGINS

The mark consists of the name "Kitty Higgins" the name of a fanciful or fictitious character appearing from day to day in a comic strip produced by applicant.
For Series of Cartoons.
Claims use since Dec. 14, 1930.

Ser. No. 397,527. THE AUTOMOBILE CLUB OF MARYLAND, Baltimore, Md. Filed Sept. 18, 1937.

MARYLAND MOTORIST

No claim is made to the word "Maryland" apart from the mark.
For Official Publication.
Claims use since August, 1919.



Ser. No. 402,264. DETECTIVE COMICS, INC., New York, N. Y. Filed Jan. 27, 1938.

Detective COMICS

For Magazine Publication.
Claims use since Jan. 3, 1937.

Ser. No. 403,170. THE DETROIT FREE PRESS, Detroit, Mich. Filed Feb. 18, 1938.



Iffy.... the Dopester

For Daily Newspaper Column.
Claims use since July, 1934.

Ser. No. 403,658. MEDICINE TODAY, INC., Brooklyn, N. Y. Filed Mar. 3, 1938.

MEDICINE TODAY

For Monthly Publication to the Medical Profession.
Claims use since Jan. 25, 1936.

Ser. No. 403,998. DAILY MIRROR, INC., New York, N. Y. Filed Mar. 12, 1938.

SUNDAY MIRROR

For Newspaper.
Claims use since January, 1932.

Ser. No. 404,178. VICTOR KRAUSS, New York, N. Y. Filed Mar. 17, 1938.



For Photographic Prints.
Claims use since Jan. 1, 1928.

## CLASS 39

### Clothing

Ser. No. 389,477. SACKMAN BROTHERS COMPANY, New York, N. Y. Filed Feb. 27, 1937.

"SAFETY PATROL"

For Children's Playsuits.
Claims use since Feb. 15, 1937.

Ser. No. 393,985. JOSEPH HORNBALL, New York, N. Y. Filed June 12, 1937.

Strip Tease

For Ladies' Hats, Caps, and Bonnets.
Claims use since June 1, 1937.

Ser. No. 395,905. CUTLER SHOE COMPANY, INC., Chicago, Ill. Filed Aug. 2, 1937.

VEL-TEX SUEDE

The word "Suede" is disclaimed apart from the mark.
For Footwear—Namely, Ladies' Shoes, Slippers, and Sandals, Made with Leather or Fabric or Combinations of Leather and Fabric.
Claims use since July 21, 1937.

Ser. No. 396,528. BONWIT, LENNON AND COMPANY, INCORPORATED, Baltimore, Md. Filed Aug. 18, 1937.

Bon-Lee

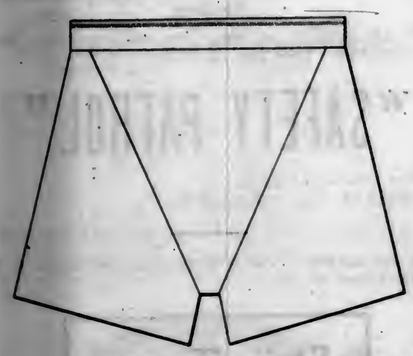
The name "Lee" is disclaimed except as shown.
For Women's and Misses' Dresses, Corsets, and Brassières.
Claims use since Sept. 9, 1936.

Ser. No. 396,544. PARAMOUNT FASHION CO., INC., New York, N. Y. Filed Aug. 18, 1937.

P FASHION-TAILORED Shirt Frock

The term "Fashion-Tailored Shirt Frock" is disclaimed apart from the mark.
For Ladies' and Misses' Dresses.
Claims use since Aug. 6, 1935.

Ser. No. 400,039. COOPERS, INCORPORATED, Kenosha, Wis. Filed Nov. 22, 1937.



The trade-mark consists of a pair of rows of black stitches near the upper edge of the waistband, said stitches making short dashes of said color. The representation of a pair of shorts is disclaimed.

For Men's Underwear, Specifically Shorts.

Claims use since May 4, 1936.

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Ser. No. 400,622. WELLESLEY MODES INC., New York, N. Y. Filed Dec. 8, 1937.



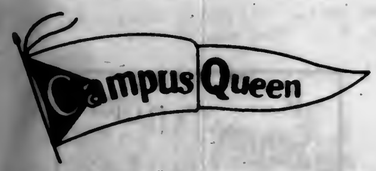

The words "A Lightweight Casual Coat" are disclaimed apart from the mark.

For Women's and Misses' Coats and Suits.

Claims use since September, 1937.

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Ser. No. 400,671. JAYKNIT COMPANY, INC., New York, N. Y. Filed Dec. 11, 1937.




The words "Campus" and "Queen" are disclaimed apart from the mark.

For Men's, Women's, and Children's Knitted Outerwear and Beachwear—Namely, Sweaters, Play Suits, Jackets, Shirts, Bathing Suits, Pajamas, and Beach Robes.

Claims use since Apr. 26, 1937.

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Ser. No. 400,827. BROWNING, KING & CO. OF NEW YORK, INC., New York and Brooklyn, N. Y. Filed Dec. 14, 1937.

*Challenger*

For Men's, Boys', and Children's Wearing Apparel—Namely, Suits, Overcoats, Raincoats, Topcoats, Pants, Knickers, Slacks, Vests, Underwear, Neckties, Collars, Belts for Outer Wear and in the Nature of Garment Supporters, Pajamas, Hats; Silk, Cotton, Rayon, and Wool Bathrobes and Lounging Robes; Leather, Fabric, and Rubber Shoes, and Shoes Made of a Combination of Leather, Fabric, and Rubber; Mufflers; Also, Men's and Women's Leather Jackets, Corduroy Jackets, Suede Jackets; Gabardine, Wool, and Cotton Slacks.

Claims use since Feb. 21, 1929.

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Ser. No. 400,828. BROWNING, KING & CO. OF NEW YORK, INC., New York and Brooklyn, N. Y. Filed Dec. 14, 1937.

*Conqueror*

For Men's, Boys', and Children's Wearing Apparel—Namely, Suits, Overcoats, Raincoats, Topcoats, Pants, Knickers, Slacks, Vests, Underwear, Neckties, Sweaters, Collars, Handkerchiefs, Belts for Outer Wear and in the Nature of Garment Supporters, Pajamas, Hats; Silk, Cotton, Rayon, and Wool Bathrobes and Lounging Robes; Mufflers; Also, Men's and Women's Leather Jackets, Corduroy Jackets, Suede Jackets; Gabardine, Wool, and Cotton Slacks.

Claims use since Mar. 1, 1929.

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Ser. No. 401,611. HIGHLAND KNITTING MILLS, doing business as Forrest Knitting Mills, Philadelphia, Pa. Filed Jan. 6, 1938.

*Legionnaire*

Applicant is the owner of Reg. No. 231,068—"The Legionnaire", covering substantially the same goods, knitted shirts and bathing suits—new goods.

For Men's Women's, and Children's Knitted Sweaters, Sweater Coats, Sport Coats, Jackets, Cardigan Jackets, Caps, Scarfs, Wristlets, Gloves, Dresses, Undershirts, Outershirts, and Bathing Suits.

Claims use on men's, women's, and children's knitted sweaters, sweater coats, sport coats, jackets cardigan jackets, caps, scarfs, wristlets, gloves, and dresses in applicant's business and in the business of its predecessors by the applicant and its predecessors in business since on or about Feb. 26, 1927; and the mark has been continuously used and applied to knitted shirts and bathing suits in applicant's business since on or about February, 1931.

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Ser. No. 402,326. BORGENICHT BROS., INC., New York, N. Y. Filed Jan. 26, 1938.

MARISHKA

For Misses' and Children's Dresses, Playsuits, Slacks, Skirts, Blouses, Scarves, Jackets, Made of Wool, Cotton, Silk, Spun Rayons, and Combinations Thereof.

Claims use since Jan. 2, 1938.



Ser. No. 402,630. LOOMTOGS, INC., New York, N. Y. Filed Feb. 3, 1938.

*The Sparkler*

For Women's and Misses' One-Piece Bathing Suits Made of Knitted, Printed Rayon Fabric.

Claims use since Jan. 15, 1937.

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Ser. No. 402,869. B. SCHWARTZ & Co., Philadelphia, Pa. Filed Feb. 9, 1938.

"MIX-'EM AND MATCH-'EM"

yea youngman

For Boys' Lumber Jackets, Boys' Knickers, Shorts, Jumperalls, Sport Coats, Boys' Suits.

Claims use since Jan. 26, 1938.

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Ser. No. 403,105. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Feb. 16, 1938.

*Kedsman*

For Rubber and Fabric Shoes.

Claims use since Jan. 6, 1938.

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Ser. No. 403,515. BURTON A. MARTIN, Culver, Minn. Filed Feb. 28, 1938.




For Hunting Coats, Hunting Shirts, Hunting Pants; Ladies' Dresses, Hosiery, Leather Coats, Under Vests; Men's Caps; Men's, Women's, and Children's Underwear; Neckties, Bathing Suits, Leather Shoes, Leather and Rubber Boots, Leather and Fabric Gloves, Outer Shirts, Rubbers, Scarfs, Blazers, and Sweaters.

Claims use since Feb. 24, 1938.

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Ser. No. 403,664. D. SEIDMANN'S SONS, Philadelphia, Pa. Filed Mar. 3, 1938.

*philly*

For Boys' and Girls' Knitted Hockey Caps and Scarfs.

Claims use since Feb. 2, 1938.

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Ser. No. 403,669. THE FRANK H. LEE COMPANY, Danbury, Conn. Filed Mar. 3, 1938.

*Danway*

For Men's and Women's Hats.

Claims use since Mar. 1, 1938.

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Ser. No. 403,838. TRIANGLE UNDERWEAR CORPORATION, New York, N. Y. Filed Mar. 8, 1938.

EMERAUDE

For Ladies Underwear—Namely, Slips.

Claims use since Jan. 5, 1938.

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Ser. No. 403,920. PACIFIC KNITTING MILLS, INC., doing business as Catalina, Los Angeles, Calif. Filed Mar. 10, 1938.

*Puckerettes*

For Knit and Fabric Sun Tan Suits for Women.

Claims use since Dec. 15, 1937.

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Ser. No. 404,108. A. S. BECK SHOE CORPORATION, New York, N. Y. Filed Mar. 16, 1938.

*Delitex*

For Hosiery for Men and Women.

Claims use since Mar. 3, 1938.

Ser. No. 404,172. FREYDBERG BROS., INC., Stamford, Conn. Filed Mar. 17, 1938.

PADET

For Shoulder Pads to be Used in Clothing.
Claims use since Feb. 17, 1938.

Ser. No. 404,252. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Mar. 19, 1938.

"YANKS"

For Hosiery.
Claims use since Mar. 8, 1938.

## CLASS 40

### Fancy Goods, Furnishings, and Notions

Ser. No. 403,461. MOORE FABRIC COMPANY, Pawtucket, R. I. Filed Feb. 26, 1938.

FLEX-GORE

The word "Gore" is disclaimed apart from the mark.
For Elastic Webbing and Narrow Fabric.
Claims use since Feb. 14, 1938.

## CLASS 42

### Knitted, Netted, and Textile Fabrics

Ser. No. 403,682. THE FIRTH CARPET COMPANY, New York, N. Y. Filed Mar. 4, 1938.




All notations are disclaimed apart from the mark.
For Carpets and Rugs.
Claims use since Dec. 15, 1937.

Ser. No. 403,713. AVONDALE MILLS, Birmingham, Ala. Filed Mar. 5, 1938.

LUCKY STRIPES

No claim is made to the word "Stripes" apart from the mark.
For Cotton Piece Goods.
Claims use since July 1, 1937.

Ser. No. 403,745. WEISS-FRIEDMAN CO. INC., New York, N. Y. Filed Mar. 5, 1938.

PINOCCHIO PRINTS

The word "Prints" is disclaimed.
For Piece Goods of Silk, Rayon, Cottons, and Mixtures and Combinations Thereof.
Claims use since Feb. 15, 1938.

## CLASS 44

### Dental, Medical, and Surgical Appliances

Ser. No. 401,175. ROBERT ALEXANDER BACHMANN, doing business as The Bach Pessalator Company, New York, N. Y. Filed Dec. 23, 1937.

PESSALATOR

For Pessary Applicators.
Claims use since January, 1935.

Ser. No. 404,015. PEERLESS LABORATORIES, INC., New York, N. Y. Filed Mar. 12, 1938.

PEERLESS LABORATORIES INC

For Electro Therapeutic Apparatus.
Claims use since June 4, 1935.

## CLASS 45

### Beverages, Nonalcoholic

Ser. No. 403,015. MUTUAL CITRUS PRODUCTS CO., Anaheim, Calif. Filed Feb. 14, 1938.

Golden Goblet

No claim is made to the word "Golden" apart from the mark.
For Canned Citrus Juices for Beverage Purposes.
Claims use since Jan. 17, 1938.

## CLASS 46

### Foods and Ingredients of Foods

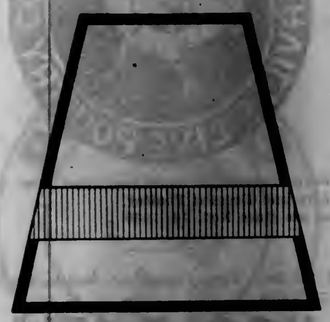
Ser. No. 385,825. ABBOTTS DAIRIES, INCORPORATED, Philadelphia, Pa. Filed Nov. 21, 1936.

GLORIFIED

For Chocolate Fudge Sauce of Relatively Heavy Lactic Body and Less Sweet Than Ordinary Chocolate Syrups, Also upon a Butterscotch Syrup and upon a Coffee Flavored Syrup, All of Which Syrups Are for Use in Ice Cream Sodas and Sundaes.
Claims use since November, 1933.



Ser. No. 393,273. GRADEN & CO., INC., New York, N. Y. Filed May 26, 1937.



The mark consists of an inverted keystone figure with a transverse band colored red.
For Cheese.
Claims use since Apr. 28, 1937.

Ser. No. 397,222. BEN MYERSON, INC., Los Angeles, Calif. Filed Sept. 8, 1937.



For Candy.
Claims use since Aug. 11, 1937.

Ser. No. 400,876. FRANK PILLEY & SONS, INC., Omaha, Nebr. Filed Dec. 15, 1937.

Hanford's Butter ★ The Spread For The Nation's Bread ★

Applicant disclaims the word "Butter" and the term "The Spread for the Nation's Bread" apart from the mark. The name "Hanford's" is a facsimile signature of an officer of applicant's predecessor.
For Butter.
Claims use since June, 1937.

Ser. No. 401,062. KEIL COMPANY, Billings, Mont. Filed Dec. 20, 1937.

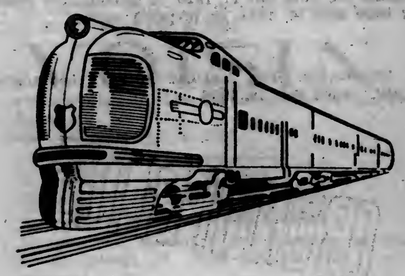
CUSTER



The portrait is that of George Armstrong Custer, deceased.
For Coffee and Canned Vegetables.
Claims use since September, 1917, on coffee; since Mar. 1, 1927, on vegetables.

Ser. No. 401,713. WITWER GROCER COMPANY, doing business as Coffee Sales Company, Cedar Rapids, Iowa. Filed Jan. 8, 1938.

Streamliner



For Coffee.
Claims use since Sept. 1, 1937.

Ser. No. 401,885. THE BORDEN COMPANY, New York, N. Y. Filed Jan. 14, 1938.

GOBBLES

For Food Product Consisting of Dehydrated Cheese, Vegetable Oils, Seasoning, and Artificial Coloring, Used as an Ingredient in Making a Cheese Flavored Food Product, for Use on Popcorn and Other Food Products.
Claims use since Nov. 20, 1937.

Ser. No. 402,061. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y. Filed Jan. 19, 1938.




No claim is made to a representation of a label or the words "Crystal White Syrup."
For Corn Syrup.
Claims use since Dec. 31, 1937.

Ser. No. 403,171. DURKEE-MOWER, INC., Lynn, Mass. Filed Feb. 18, 1938.

*Durkee-Mower's*

For Marshmallow Cream and Prepared Cocoa.
Claims use since May 11, 1920, on marshmallow cream; and since May 15, 1933, on prepared cocoa.

Ser. No. 403,195. THE CERA-LAC COMPANY, Los Angeles, Calif. Filed Feb. 19, 1938.

CRUNCH-ETTES

For Prepared Cereal Breakfast Food Consisting of Wheat, Rye, Buckwheat, Bran, Oats, and Corn with Sugar, Salt, and Dextrose Added.
Claims use since Feb. 14, 1938.

Ser. No. 403,201. FAMO PRODUCTS CO., Los Angeles, Calif. Filed Feb. 19, 1938.

LA CAL

For Canned Prune Juice for Food Purposes.
Claims use since Dec. 6, 1937.

Ser. No. 403,282. SOMERVILLE LIVE POULTRY CO. INC., Cambridge, Mass. Filed Feb. 21, 1938.




The word "Service" is disclaimed apart from the mark.
For Live and Dressed Poultry.
Claims use since Nov. 14, 1935.

Ser. No. 403,309. FINE FOODS, INC., Seattle, Wash. Filed Feb. 23, 1938.

JIGGLE JELL

No claim is made to the word "Jell" apart from the mark.
For Gelatin Dessert.
Claims use since Jan. 25, 1938.

Ser. No. 403,375. SELMA MERCANTILE CORPORATION, New York, N. Y. Filed Feb. 24, 1938.

SELMA PEAK

The words "Peak" and "Selma" are disclaimed apart from the mark.
For Eggs in the Shell.
Claims use since Jan. 4, 1938.

Ser. No. 403,657. R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 3, 1938.



The drawing is lined for black, red, and tan.
For Jellies, Cheese, Candies, Curry Powder, Brandy Sauce, Tamarind Sauce, Mint Sauce, Worcestershire Sauce, Anchovies, Coffee, Canned Finnan Haddock, Canned Herrings, Marmalades, Oatmeal, Ginger, Chutney, Preserved Mangoes, Ketchups, Pickles, Horseradish, Vinegar, Mustard, Soups, Fruit Jams, Conserves, Fruit Preserves, Biscuits, Shortbreads, Table Syrups, Treacle, Toast, Canapes, Shortcakes, Cereal Wafers, Sandwiches, Crackers, Cakes, and Pastry Waffles.
Claims use since 1929.



Ser. No. 403,777. ALBERT MILLER & CO., Chicago, Ill. Filed Mar. 7, 1938.

THRIFTIES

For Potatoes.
Claims use since Feb. 26, 1938.

Ser. No. 403,792. THE UMATILLA FRUIT CO., Umatilla, Fla. Filed Mar. 7, 1938.




The picture is fanciful.
For Fresh Citrus Fruits.
Claims use since Apr. 15, 1937.

Ser. No. 403,819. HALF MOON BISCUIT CO., INC., New York, N. Y. Filed Mar. 8, 1938.



The drawing is lined for blue and yellow.
For Crackers and Biscuits.
Claims use since Feb. 26, 1938.

Ser. No. 403,952. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Filed Mar. 11, 1938.

D 138

For Canned Vegetables.
Claims use since Feb. 2, 1938.

Ser. No. 403,953. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Filed Mar. 11, 1938.

S 537

For Canned Vegetables.
Claims use since Feb. 2, 1938.

Ser. No. 404,024. WILSON & CO., INC., Chicago, Ill. Filed Mar. 12, 1938.

GELADIP

For Gelatine Coating for Cured Meats, Such as Hams, Picnics, Butts, and Bacon; Also Boiled Hams, Sausage, Meat Loaves, Fresh Meats, and Dressed Poultry.
Claims use since Jan. 26, 1938.

Ser. No. 404,099. WESCO FOODS COMPANY, Cincinnati, Ohio. Filed Mar. 15, 1938.

WESCOT

For Evaporated Milk.
Claims use since Feb. 21, 1938.

## CLASS 47

### Wines

Ser. No. 399,694. JULIUS WILE, SONS & CO., INC., New York, N. Y. Filed Nov. 12, 1937.



For Sherries, Ports, Champagne, Bordeaux Wines, Burgundies, Alsatian Wines, Moselle Wines, Rhine Wines, Vermouth, Marsala Wines, Chianti Wines, Madeiras, Tokays and Hungarian Table Wines, Malagas and Muscatels.
Claims use since Mar. 1, 1934.

Ser. No. 402,862. HEARN DEPARTMENT STORES, INC., New York, N. Y. Filed Feb. 9, 1938.

VOISIN

For Wines—Namely, Haut Sauternes, Graves, Sauternes, and Barsac.
Claims use since Nov. 3, 1937.

## CLASS 48

### Malt Beverages and Liquors

Ser. No. 394,666. MARSHALL KEIG, trustee for Prima Company, Chicago, Ill. Filed June 29, 1937.

BESSER

THE POKER HAND BEER

No claim is made to the terms "Besser" or "Beer" apart from the mark.
For Beer.
Claims use since June 14, 1937.

Ser. No. 403,412. HAMPDEN BREWING COMPANY, Willimansett, Mass. Filed Feb. 25, 1938.



The layers of material in the barrel are colored as follows: The top is green, the next white, the next tan, and the bottom is white. The words "Good Measure" are disclaimed apart from the mark.

For Ale, Beer, and Porter.

Claims use since Feb. 11, 1938.

## CLASS 49

### Distilled Alcoholic Liquors

Ser. No. 399,693. JULIUS WILE, SONS & CO., INC., New York, N. Y. Filed Nov. 12, 1937.



For Brandy, Cognac, Whiskey, Gin, Rum, Cordials, and Liqueurs.

Claims use since Mar. 1, 1934.

Ser. No. 403,592. JUILLARD-COCKCROFT CORPORATION, Watsonville, and San Francisco, Calif. Filed Mar. 2, 1938.

**PRINCE LOUIS**

No claim is made to the word "Prince" apart from the mark.

For Brandy-Cognac.

Claims use since Nov. 10, 1937.

## CLASS 50

### Merchandise Not Otherwise Classified

Ser. No. 402,676. WINFIELD B. CLINE, doing business as Cline Advertising Service, Boise, Idaho. Filed Feb. 4, 1938.



For Printing Mats, Electrotypes, Stereotypes, and Photoengravings.

Claims use since March, 1936.

Ser. No. 403,725. JEWEL SHEEN WATERPROOFING CORP., Long Island City, N. Y. Filed Mar. 5, 1938.




The words "Jewel", "Sheen", and "Waterproofed" are disclaimed apart from the mark.

For Waterproofed Fabrics in the Piece.

Claims use since Jan. 12, 1938.

Ser. No. 404,073. ATLAS POWDER COMPANY, Wilmington, Del. Filed Mar. 15, 1938.

**ZAFLEX**

For Pyroxylin or Otherwise Coated Paper or Fabric.

Claims use since Jan. 2, 1934.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 10, 1938

356,666. VANE TYPE PUMPS, GEAR TYPE PUMPS, ROTARY TYPE PUMPS, HYDRAULIC PRESSES, MACHINE TOOLS AND PARTS THEREFOR—NAMELY, FEED MECHANISMS, TIME LAGS, RAPID TRAVERSE MECHANISMS, TRIP MECHANISMS, AND CONTROL MECHANISMS, HYDRAULIC HOISTING UNITS, BOOSTER TYPE STEERING MECHANISMS, AND HYDRAULIC TYPE STEERING MECHANISMS. VICKERS, INCORPORATED, Detroit, Mich.

Filed June 16, 1934. Serial No. 352,865. PUBLISHED JUNE 9, 1936. Class 23.

356,667. EYELASH AND EYEBROW MASCARA. JAMES L. YOUNGHUSBAND, Chicago, Ill.

Filed January 28, 1935. Serial No. 360,814. PUBLISHED APRIL 2, 1935. Class 6.

356,668. ASPHALT SHINGLES. UNITED STATES GYPSUM COMPANY, Chicago, Ill.

Filed January 25, 1936. Serial No. 374,104. PUBLISHED MARCH 1, 1938. Class 12.

356,669. QUANTITY MEASURING APPARATUS OF FLOWING FLUIDS INCLUDING RECORDERS, INDICATORS, AND INTEGRATORS, AND CHARTS AND ACCESSORIES THEREFOR. BAILEY METER COMPANY, Cleveland, Ohio.

Filed June 18, 1936. Serial No. 379,866. PUBLISHED JUNE 15, 1937. Class 26.

356,670. DYED CONEY FUR COATS. VICMORE FUR CO., INC., Middletown, Del., and New York, N. Y., assignor to Manny Pruskauer, Chicago, Ill.

Filed September 24, 1936. Serial No. 383,608. PUBLISHED APRIL 13, 1937. Class 30.

356,671. MEN'S SUITS. MANVILLE JENCKES CORPORATION, Manville, R. I.

Filed October 31, 1936. Serial No. 385,004. PUBLISHED MARCH 1, 1938. Class 39.

356,672. MAGAZINES PUBLISHED EVERY MONTH. COUNTRY PRESS, INC., Greenwich, Conn.

Filed November 6, 1936. Serial No. 385,216. PUBLISHED APRIL 20, 1937. Class 38.

356,673. MECHANISM FOR VEERING AUTOMOBILE HEADLAMPS. ANGEL M. DIBE and TRUDIS NEUHAUS MAY, Mexico, D. F., Mexico.

Filed November 24, 1936. Serial No. 385,925. PUBLISHED MARCH 1, 1938. Class 19.

356,674. COCOA, HOT CHOCOLATE POWDER, JAMS, JELLIES, MINCEMEAT, CANNED CRUSHED FRUITS, CANNED SLICED PINEAPPLE, FOOD FLAVORING EXTRACTS, CANNED AND BOTTLED COCKTAIL CHERRIES, SPICES, AND NUT MEATS. DON D. KISTLER, doing business as Monarch Distributing Co., Los Angeles, Calif.

Filed December 3, 1936. Serial No. 386,259. PUBLISHED MARCH 1, 1938. Class 46.

356,675. SALVES FOR ALLAYING AND REDUCING LOCAL DERMIC, MUSCULAR, AND VASCULAR INFLAMMATIONS AND CONGESTIONS. REBECCA COLLINS, Los Angeles, Calif.

Filed December 9, 1936. Serial No. 386,530. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,676. BIOLOGICAL ANTIGENIC PREPARATIONS FOR TOPICAL APPLICATION. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.

Filed December 30, 1936. Serial No. 387,290. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,677. RECORD FORMS—NAMELY, PAPER RECORD FORMS, PAPER RECORD SHEETS, PAPER RECORD STRIPS, LETTER PAPER, ROLLS OF PAPER RECORD STRIPS, RECORD SUPPLY PADS OF PAPER RECORD STRIPS, SALES BOOKS AND BLANK BOOKS, AND MANIFOLDING SETS OF RECORD SHEETS OR STRIPS. AMERICAN SALES BOOK COMPANY, INC., Niagara Falls and Elmira, N. Y.

Filed January 7, 1937. Serial No. 387,532. PUBLISHED MARCH 1, 1938. Class 37.

356,678. CASCARA EMULSION PREPARATION FOR MEDICINAL PURPOSES. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio, assignor, by mesne assignments, to The Wm. S. Merrell Company, a corporation of Delaware.

Filed February 5, 1937. Serial No. 388,583. PUBLISHED APRIL 13, 1937. Class 6.

356,679. METAL STAMPINGS—NAMELY, VEHICLE CHASSIS AND BODY SPECIAL BRACKETS, YOKE ENDS FOR VEHICLE BRAKE RODS, VEHICLE RADIATOR SHUTTER ASSEMBLIES, HAND CHAIR TRUCKS, METAL VEHICLE GARNISH, WELT, GIMP, AND MOULDING FINISHERS. THE BREWER-TITCHENER CORPORATION, Cortland, N. Y.

Filed February 11, 1937. Serial No. 388,763. PUBLISHED MARCH 1, 1938. Class 19.

356,680. STUFFED BLACK DOLLS. MARTHA E. BATTLE, doing business as Mammy Lou Doll Company, Chattanooga, Tenn.

Filed March 25, 1937. Serial No. 390,536. PUBLISHED MARCH 1, 1938. Class 22.

356,681. LADIES' AND MISSES' BLOUSES. MARION FRANCIS DEWITT, New York, N. Y.

Filed March 27, 1937. Serial No. 390,588. PUBLISHED JUNE 15, 1937. Class 39.

356,682. COOKED FISH. THE F. T. JAMES COMPANY, LTD., Toronto, Ontario, Canada.

Filed April 2, 1937. Serial No. 390,854. PUBLISHED JUNE 29, 1937. Class 46.

356,683. PENCIL HOLDERS WITH DETACHABLE PENCILS. OTTO OGREN, Des Moines, Iowa.

Filed April 10, 1937. Serial No. 391,192. PUBLISHED MARCH 1, 1938. Class 37.

356,684. WHISKEY. BON-TON INCORPORATED, Chicago, Ill.

Filed April 14, 1937. Serial No. 391,306. PUBLISHED MARCH 1, 1938. Class 49.

356,685. WATERPROOFING PREPARATION FOR USE ON LEATHER AND OTHER MATERIALS. LOUIS C. VAN PATTEN, Cheney, Wash.

Filed April 14, 1937. Serial No. 391,361. PUBLISHED JULY 27, 1937. Class 6.

356,686. PREPARED FOOD FOR DOMESTICATED CARNIVOROUS ANIMALS. BALANCED PET FOODS CO., Chicago, Ill.

Filed April 19, 1937. Serial No. 391,513. PUBLISHED MARCH 1, 1938. Class 46.

356,687. MANUFACTURED CHEWING AND SMOKING TOBACCO. DAVID FORRY TOBACCO COMPANY, York, Pa.

Filed April 29, 1937. Serial No. 392,018. PUBLISHED MARCH 1, 1938. Class 17.

356,688. WEEKLY NEWS PUBLICATION AND PAMPHLETS, BOOKLETS, AND BULLETINS PUBLISHED FROM TIME TO TIME. AMERICAN TRUCKING ASSOCIATIONS, INC., Washington, D. C.
Filed May 3, 1937. Serial No. 392,183. PUBLISHED MARCH 1, 1938. Class 38.

356,689. COLD CREAM, CLEANSING CREAM, NOURISHING CREAM, TISSUE CREAM, VANISHING CREAM, ETC. LOS ANGELES SOAP CO., Los Angeles, Calif.
Filed May 3, 1937. Serial No. 392,229. PUBLISHED JUNE 29, 1937. Class 6.

356,690. CRACKERS. KING KONG CORPORATION, New York, N. Y.
Filed May 15, 1937. Serial No. 392,801. PUBLISHED MARCH 1, 1938. Class 46.

356,691. MEDICINAL PREPARATION FOR TREATING IRRITATION AND REDUCING INFLAMMATION OF THE THROAT. MARTIN AND DALTON DRUGGISTS, Tallahassee, Fla.
Filed June 3, 1937. Serial No. 393,607. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,692. PLANT GROWING TANKS, AND PARTS THEREOF AND ACCESSORIES THEREFOR—TO WIT, SUPPORTS, FLUID CONNECTIONS, AND FLUID LEVEL CONTROLLING DEVICES. WILLIAM C. ANTHONY, Streator, Ill., assignor to Chemical Garden Company, Evanston, Ill., a corporation of Illinois.
Filed June 5, 1937. Serial No. 393,682. PUBLISHED MARCH 1, 1938. Class 2.

356,693. CLOTHING—NAMELY, MEN'S AND YOUNG MEN'S SUITS. SEWELL MANUFACTURING COMPANY, Bremen, Ga.
Filed June 8, 1937. Serial No. 393,822. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,694. INDUSTRIAL OIL, TAR, AND GAS BURNERS, FURNACES, AND HEATING CHAMBERS. W. N. BEST ENGINEERING CO. INC., New York, N. Y.
Filed June 11, 1937. Serial No. 393,935. PUBLISHED MARCH 1, 1938. Class 34.

356,695. HEAT INSULATING MATERIAL IN LOOSE FORM OR ADMIXED WITH OTHER MATERIALS SUCH AS CEMENT PLASTER, GYPSUM PLASTER, ASPHALT, OR THE LIKE. MIKOLITH COMPANY, Kansas City, Mo.
Filed June 14, 1937. Serial No. 394,044. PUBLISHED MARCH 1, 1938. Class 12.

356,696. LADIES' AND MISSES' DRESSES, COATS, SUITS, SLACKS, SHORTS, OVERALLS, CULOTTES, SPORT SHIRTS, HALTERS; BEACH PAJAMAS, BATHING SUITS, SWEATERS, AND SPORT JACKETS. THE ELDER & JOHNSTON CO., Dayton, Ohio
Filed June 15, 1937. Serial No. 394,079. PUBLISHED AUGUST 31, 1937. Class 39.

356,697. YARNS. EMILE BERNAT & SONS CO., Jamaica Plain, Mass.
Filed June 17, 1937. Serial No. 394,156. PUBLISHED FEBRUARY 22, 1938. Class 43.

356,698. HOUSEHOLD SPRAY AND HOUSEHOLD INSECTICIDE FOR KILLING FLIES, MOTHS, MOSQUITOES, BED BUGS, ROACHES, ANTS, ETC. SMITH MANUFACTURING COMPANY, Utica, N. Y.
Filed June 23, 1937. Serial No. 394,435. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,699. MEDICINAL PREPARATION IN LIQUID FORM USED AS AN INHALANT FOR THE TREATMENT OF RESPIRATORY INFECTIONS, SUCH AS ASTHMA AND HAY FEVER. EUGENE A. GATTERDAM, doing business as Vapo-Mist Laboratory, Phoenix, Ariz.
Filed June 24, 1937. Serial No. 394,456. PUBLISHED AUGUST 10, 1937. Class 6.

356,700. POWER TRANSMISSION UNITS OR MACHINES FOR TRANSMITTING ENERGY FROM A PRIME MOVER FOR OPERATING SAWING AND FILING MACHINES. CONTINENTAL MACHINE SPECIALTIES, INC., Minneapolis, Minn.
Filed June 28, 1937. Serial No. 394,584. PUBLISHED MARCH 1, 1938. Class 23.

356,701. MEN'S, WOMEN'S, AND CHILDREN'S OVERALLS OF THE PATCH-POCKET TYPE. LEVI STRAUSS & COMPANY, San Francisco, Calif.
Filed June 30, 1937. Serial No. 394,734. PUBLISHED MARCH 1, 1938. Class 39.

356,702. ELASTIC STOCKINGS. ISAIAH F. SPINDELL, doing business as Curtis & Spindell, Lynn, Mass.
Filed July 17, 1937. Serial No. 395,360. PUBLISHED MARCH 1, 1938. Class 44.

356,703. OUTER SHIRTS, PAJAMAS, AND COATS FOR MEN, WOMEN, AND CHILDREN. OVIATT'S INC., Los Angeles, Calif.
Filed July 19, 1937. Serial No. 395,430. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,704. FRUIT AND VEGETABLE COMPOUND FOR FLAVORING SOFT DRINKS. RIMAL ZIEVE, doing business as The Zieve Nectar Co., Minneapolis, Minn.
Filed July 19, 1937. Serial No. 395,441. PUBLISHED MARCH 1, 1938. Class 45.

356,705. PREPARATION FOR THE TREATMENT OF DANDRUFF, FALLING HAIR, AND A STIMULANT FOR GROWTH OF HAIR. JOHN F. KLABS, doing business as Zar Company, Denver, Colo.
Filed July 22, 1937. Serial No. 395,781. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,706. GASKETS AND NON-METALLIC WASHERS OF CORK COMPOSITION, PAPER, RUBBER, SYNTHETIC RUBBER, OR SIMILAR COMPRESSIBLE MATERIALS. ARMSTRONG CORK PRODUCTS COMPANY, Lancaster, Pa.
Filed August 2, 1937. Serial No. 395,895. PUBLISHED MARCH 1, 1938. Class 35.

356,707. SHEET LEATHER PREPARED TO BE USED AS INTERLININGS FOR GARMENTS. DOMINION LEATHER INTERLININGS CORPORATION, LIMITED, Hicksville, N. Y.
Filed August 6, 1937. Serial No. 396,103. PUBLISHED MARCH 1, 1938. Class 1.

356,708. PENCILS—NAMELY, WOOD ENCASED LEAD PENCILS, MECHANICAL OR PROPELLING PENCILS, REFILL LEADS, DRAWING CHALKS, CHECKING COLORED CHALK PENCILS, FOUNTAIN PENS, INK, AND RUBBER ERASERS WITH AND WITHOUT WOOD COVERING. J. S. STAEDTLER, Nuremberg, Germany.
Filed August 23, 1937. Serial No. 396,697. PUBLISHED MARCH 1, 1938. Class 37.

356,709. BAKERY GOODS—NAMELY, CAKES, PIES, DOUGHNUTS, COOKIES, PLAIN AND FANCY BREADS. HELMS BAKERIES, Los Angeles, Calif.
Filed August 30, 1937. Serial No. 396,916. PUBLISHED MARCH 1, 1938. Class 46.

356,710. BAKERY GOODS—NAMELY, CAKES, PIES, DOUGHNUTS, COOKIES, PLAIN AND FANCY BREADS. HELMS BAKERIES, Los Angeles, Calif.
Filed August 30, 1937. Serial No. 396,917. PUBLISHED MARCH 1, 1938. Class 46.

356,711. WINDOW SASH. LOUIS STOLTENBERG, Long Beach, Calif.
Filed August 30, 1937. Serial No. 396,936. PUBLISHED MARCH 1, 1938. Class 12.

356,712. BLOOD TONIC. JERRY A. FOX, doing business as Franklin Laboratories, Flushing, N. Y.
Filed August 31, 1937. Serial No. 396,955. PUBLISHED FEBRUARY 15, 1938. Class 6.



356,713. FRESH DECIDUOUS AND CITRUS FRUITS, VEGETABLES, GRAPES, AND MELONS. THE S. A. GERRARD CO., Cincinnati, Ohio.
Filed September 3, 1937. Serial No. 397,076. PUBLISHED MARCH 1, 1938. Class 46.

356,714. CHEMICAL FLUIDS FOR THE EXTERMINATION OF TERMITES, FLEAS, ANTS, ROACHES, AND OTHER INSECTS, AND FOR PRESERVING WOOD AND WOODEN ARTICLES. JAMES B. IRWIN, Coral Gables, Fla.
Filed September 4, 1937. Serial No. 397,116. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,715. WOMEN'S AND MISSES' HATS, COATS, DRESSES, SUITS, JERKINS, SWEATERS, BATHING SUITS, BEACH ROBES, HOSIERY, ETC. NATIONAL DEPARTMENT STORES MANAGEMENT & BUYING CORPORATION, New York, N. Y.
Filed September 4, 1937. Serial No. 397,142. PUBLISHED JANUARY 11, 1938. Class 39.

356,716. ARTERIAL EMBALMING FLUID, EMBALMERS' CHEMICALS, MASSAGE CREAM, PRE-INJECTION FLUID, JAUNDICE EMBALMING FLUID, ETC. ARTHUR F. MCCLURE, doing business as The Supertol Products Co., Leavenworth, Kans.
Filed September 11, 1937. Serial No. 397,337. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,717. MEDICINAL PREPARATION CONTAINING EPHEDRINE USEFUL FOR THE TREATMENT OF COLDS, HAY FEVER, CATARRH, SINUSITIS, AND FOR SHRINKING THE MUCOUS MEMBRANE. VAPO-ERRIN COMPANY, INC., Portland, Oreg.
Filed September 18, 1937. Serial No. 397,560. PUBLISHED NOVEMBER 23, 1937. Class 6.

356,718. HOSIERY. S. H. KRESS AND COMPANY, New York, N. Y.
Filed September 21, 1937. Serial No. 397,619. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,719. WATERPROOFING COMPOUND FOR USE ON DUCK, CANVAS, AND OTHER FABRICS. JACOB GRIFFEL, New York, N. Y.
Filed September 22, 1937. Serial No. 397,659. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,720. HOSIERY, SOCKS, AND ANKLETS. S. H. KRESS AND COMPANY, New York, N. Y.
Filed September 22, 1937. Serial No. 397,670. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,721. KNITTED UNDERWEAR FOR MEN AND BOYS. WARE VALLEY MANUFACTURING CO., INC., Ware, Mass., and New York, N. Y.
Filed September 22, 1937. Serial No. 397,694. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,722. DRIVE CHAIN. MORSE CHAIN CO., Ithaca, N. Y., and Detroit, Mich.
Filed September 27, 1937. Serial No. 397,860. PUBLISHED MARCH 1, 1938. Class 13.

356,723. WOODEN RECEPTACLES AND CASES AND RACKS FOR BOTTLES, WHICH CASES AND RACKS ARE SOLD IN TRADE EMPTY. PEPSI-COLA COMPANY, Long Island City, N. Y.
Filed September 28, 1937. Serial No. 397,909. PUBLISHED MARCH 1, 1938. Class 2.

356,724. FRESH CITROUS FRUITS AND TROPICAL OR SEMI-TROPICAL FRUITS—NAMELY, ORANGES, TANGERINES, TANGELOES, GRAPEFRUIT, LIMES, AND AVOCADOS, AND PRESERVES AND JELLIES MADE FROM SUCH FRUITS—NAMELY, ORANGE PRESERVES, ORANGE MARMALADE, ORANGE JAM, ORANGE JELLY, GRAPEFRUIT MARMALADE, GRAPEFRUIT JELLY, AND LIME JELLY. STERLING V. MEAD, doing business as Sunnymead Gardens, Auburndale, Fla.
Filed September 30, 1937. Serial No. 397,979. PUBLISHED FEBRUARY 8, 1938. Class 46.

356,725. CAPSULES MADE OF METAL FOR BOTTLES. TIPTOFF PATENT SEAL COMPANY LIMITED, Auckland, New Zealand.
Filed October 4, 1937. Serial No. 398,134. PUBLISHED MARCH 1, 1938. Class 50.

356,726. ALIMENTARY PASTES. LONG ISLAND MACARONI CO. INC., Long Island City, N. Y.
Filed October 6, 1937. Serial No. 398,208. PUBLISHED MARCH 1, 1938. Class 46.

356,727. PARKING METERS. CHARLES H. MARTIN, doing business as The Martin Timing Devices Company, Springfield, Mass.
Filed October 11, 1937. Serial No. 398,363. PUBLISHED FEBRUARY 1, 1938. Class 26.

356,728. FACIAL CREAMS. RELLA WINN, New York, N. Y.
Filed October 11, 1937. Serial No. 398,380. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,729. CHILDREN'S CLOTHING—NAMELY, SNOW SUITS, COATS, LEGGINGS, HATS, JACKETS, PANTS, AND SKI SUITS. KUTE KIDDIES HEADWEAR INC., New York, N. Y.
Filed October 15, 1937. Serial No. 398,541. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,730. WRAPPERS AND WRAPPER FILES. A. B. DICK COMPANY, Chicago, Ill.
Filed October 16, 1937. Serial No. 398,565. PUBLISHED MARCH 1, 1938. Class 37.

356,731. FLEXIBLE METAL ROOFS FOR STORAGE TANKS. CHICAGO BRIDGE & IRON WORKS, Chicago, Ill.
Filed October 20, 1937. Serial No. 398,710. PUBLISHED FEBRUARY 22, 1938. Class 12.

356,732. CANNED FRUIT JUICES FOR FOOD PURPOSES. HUNT BROTHERS PACKING CO., San Francisco, Calif.
Filed October 25, 1937. Serial No. 398,904. PUBLISHED MARCH 1, 1938. Class 46.

356,733. HOSIERY. MILLER-SMITH HOSIERY MILLS, Chattanooga, Tenn.
Filed October 25, 1937. Serial No. 398,922. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,734. KNITTED WEAR—NAMELY, LADIES' AND MISSES' SWEATERS, SKIRTS, AND DRESSES. RENART SPORTSWEAR CORP., New York, N. Y.
Filed October 27, 1937. Serial No. 399,011. PUBLISHED MARCH 1, 1938. Class 39.

356,735. NON-ELECTRICAL HAIR CURLERS. ROBERT P. BURNS, Los Angeles, Calif.
Filed October 30, 1937. Serial No. 399,126. PUBLISHED MARCH 1, 1938. Class 40.

356,736. NEW AND REBUILT SOLID AND PNEUMATIC TIRES OF RUBBER, RUBBER AND FABRIC, OR RUBBER AND COMPOUNDS THEREOF. LEONARD L. LANE, doing business as Thermo-Cure Tire Company, Washington, D. C.
Filed October 30, 1937. Serial No. 399,219. PUBLISHED MARCH 1, 1938. Class 35.

356,737. KIDNEY PILLS. JOHN G. HADDAD, doing business as Testo Products, New Orleans, La.
Filed November 3, 1937. Serial No. 399,274. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,738. MEDICINE—NAMELY, EYE WASH AND EYE DROPS. WALGREEN CO., Chicago, Ill.
Filed November 3, 1937. Serial No. 399,281. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,739. DRESS SHIRTS. M. H. RAAB-MEYERHOFF CO., INC., Philadelphia, Pa.
Filed November 4, 1937. Serial No. 399,328. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,740. PREPARATION OF ARSENIC DESIGNED FOR THE TREATMENT OF SYPHILIS AND OTHER SPIROCHETAL DISEASES. DIARSENOL COMPANY, INCORPORATED, Buffalo, N. Y.
Filed November 5, 1937. Serial No. 399,344. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,741. PREPARATION USED IN THE TREATMENT OF WHOOPING COUGH, BRONCHITIS, AND OTHER SPASMODIC COUGHS. MEDICINAL RESEARCH LABORATORIES, Philadelphia, Pa.
Filed November 6, 1937. Serial No. 399,419. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,742. EYE-BROW PENCILS. GRESS & COMPANY, Chicago, Ill.
Filed November 8, 1937. Serial No. 399,448. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,743. MILK OF MAGNESIA, BANDOLINE, HYPOPHOSPHITES COMPOUND, GLYCERIN SUPPOSITORIES, BEEF, IRON, AND WINE TONIC, ETC. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.
Filed November 9, 1937. Serial No. 399,508. PUBLISHED FEBRUARY 22, 1938. Class 6.

356,744. CHEMICAL PRODUCTS FOR USE IN PROCESSING TEXTILES. ARNOLD, HOFFMAN & CO. INCORPORATED, Providence, R. I.
Filed November 10, 1937. Serial No. 399,547. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,745. CHEMICAL PRODUCTS FOR USE IN PROCESSING TEXTILES. ARNOLD, HOFFMAN & CO. INCORPORATED, Providence, R. I.
Filed November 10, 1937. Serial No. 399,548. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,746. CHEMICAL PRODUCTS FOR USE IN PROCESSING TEXTILES. ARNOLD, HOFFMAN & CO. INCORPORATED, Providence, R. I.
Filed November 10, 1937. Serial No. 399,549. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,747. CHEMICAL PRODUCTS FOR USE IN PROCESSING TEXTILES. ARNOLD, HOFFMAN & CO. INCORPORATED, Providence, R. I.
Filed November 10, 1937. Serial No. 399,550. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,748. CHEMICAL PRODUCTS FOR USE IN PROCESSING TEXTILES. ARNOLD, HOFFMAN & CO. INCORPORATED, Providence, R. I.
Filed November 10, 1937. Serial No. 399,551. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,749. CHEMICAL PRODUCTS FOR USE IN PROCESSING TEXTILES. ARNOLD, HOFFMAN & CO. INCORPORATED, Providence, R. I.
Filed November 10, 1937. Serial No. 399,552. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,750. CHEMICAL PRODUCTS FOR USE IN PROCESSING TEXTILES. ARNOLD, HOFFMAN & CO. INCORPORATED, Providence, R. I.
Filed November 10, 1937. Serial No. 399,553. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,751. CIGARS. CIFUENTES, PEDO Y COMPAÑIA, Habana, Cuba.
Filed November 11, 1937. Serial No. 399,595. PUBLISHED MARCH 1, 1938. Class 17.

356,752. WATCHES AND PARTS THEREOF. ALFRED GLARDEN, doing business as Glarden Importing Co., New York, N. Y.
Filed November 13, 1937. Serial No. 399,707. PUBLISHED MARCH 1, 1938. Class 27.

356,753. MEDICINAL COMPOUNDS INTENDED FOR INTERNAL USE AND HAVING LAXATIVE PROPERTIES. CLARENCE E. SHAW, Pittsburgh, Pa.
Filed November 15, 1937. Serial No. 399,778. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,754. LADIES' AND MISSES' SKIRTS, SLACKS, SHORTS, OVERALLS, COATS, SUITS, BATHING SUITS, CULOTTES, AND SPORT JACKETS. FAY SPORTSWEAR, INC., New York, N. Y.
Filed November 16, 1937. Serial No. 399,796. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,755. FURNITURE NAILS AND FURNITURE GLIDES. ATLAS TACK CORPORATION, Fairhaven, Mass., and Waterbury, Conn.
Filed November 18, 1937. Serial No. 399,877. PUBLISHED MARCH 1, 1938. Class 13.

356,756. DECORATED, PRINTED, AND ORNAMENTED KNITTED AND WOVEN TEXTILE FABRICS, WHICH FABRICS MAY BE CREPE GOODS, FLAT GOODS, OR PILE GOODS AND MAY CONSIST OF COTTON, SILK, LINEN, WOOL, OR MIXTURES THEREOF. VELVERAY CORPORATION OF AMERICA, New York, N. Y.
Filed November 16, 1937. Serial No. 399,909. PUBLISHED MARCH 1, 1938. Class 42.

356,757. DECORATED, PRINTED, AND ORNAMENTED KNITTED AND WOVEN TEXTILE FABRICS, WHICH FABRICS MAY BE CREPE GOODS, FLAT GOODS, OR PILE GOODS AND MAY CONSIST OF COTTON, SILK, LINEN, WOOL, OR MIXTURES THEREOF. VELVERAY CORPORATION OF AMERICA, New York, N. Y.
Filed November 16, 1937. Serial No. 399,911. PUBLISHED MARCH 1, 1938. Class 42.

356,758. DECORATED, PRINTED, AND ORNAMENTED KNITTED AND WOVEN TEXTILE FABRICS, WHICH FABRICS MAY BE CREPE GOODS, FLAT GOODS, OR PILE GOODS AND MAY CONSIST OF COTTON, SILK, LINEN, WOOL, OR MIXTURES THEREOF. VELVERAY CORPORATION OF AMERICA, New York, N. Y.
Filed November 18, 1937. Serial No. 399,913. PUBLISHED MARCH 1, 1938. Class 42.

356,759. HOMOGENIZERS. GARDNER DAIRY EQUIPMENT CORPORATION, La Porte, Ind.
Filed November 20, 1937. Serial No. 399,958. PUBLISHED MARCH 1, 1938. Class 23.

356,760. IODINE COMPOUND FOR USE IN THE NOSE. IODINE PRODUCTS CO., Philadelphia, Pa.
Filed November 17, 1937. Serial No. 399,985. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,761. BLEACH. L. PHILIPPE CLOUTIER, doing business as Cleans-All Bleach Manufacturing Company, Fall River, Mass.
Filed November 22, 1937. Serial No. 399,994. PUBLISHED FEBRUARY 22, 1938. Class 6.

356,762. DOMESTIC OIL BURNERS AND AIR CONDITIONING UNITS. ELECTROL INCORPORATED, Clifton, N. J.
Filed November 23, 1937. Serial No. 400,052. PUBLISHED MARCH 1, 1938. Class 34.

356,763. DOMESTIC OIL BURNERS AND AIR CONDITIONING UNITS. ELECTROL INCORPORATED, Clifton, N. J.
Filed November 24, 1937. Serial No. 400,095. PUBLISHED MARCH 1, 1938. Class 34.

356,764. LIQUID TONIC CONTAINING VITAMINS. THE HARRIS LABORATORIES, INC., Tuckahoe, N. Y.
Filed November 24, 1937. Serial No. 400,101. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,765. MEN'S, WOMEN'S, AND CHILDREN'S NEGLIGEE AND SPORT SHIRTS, SPORT COATS, AND JACKETS. LUSTBERG, NAGT & CO., INC., New York, N. Y.
Filed November 24, 1937. Serial No. 400,113. PUBLISHED FEBRUARY 8, 1938. Class 39.

356,766. NEWSPAPER COLUMN, PUBLISHED FROM TIME TO TIME. HEARST PUBLICATIONS, INCORPORATED, Los Angeles, Calif.
Filed November 26, 1937. Serial No. 400,163. PUBLISHED FEBRUARY 22, 1938. Class 38.

356,767. AIR CONDITIONING UNITS. MELCHIOR, ARMSTRONG, DESSAU CO. OF DELAWARE, INC., New York, N. Y.
Filed November 26, 1937. Serial No. 400,166. PUBLISHED MARCH 1, 1938. Class 34.

356,768. WOOLEN FABRICS IN THE PIECE. WARREN WOOLEN MILLS, Stafford Springs, Conn.
Filed November 27, 1937. Serial No. 400,213. PUBLISHED MARCH 1, 1938. Class 42.



356,769. ASTRINGENT. PAC-O-LITE, INC., Lincoln, Nebr.
Filed November 29, 1937. Serial No. 400,228. PUBLISHED FEBRUARY 15, 1938. Class 6.

356,770. ACETONE, AGAR AGAR, RUBBING ALCOHOL, ALKALINE TABLETS, ALMOND MEAL, ALMOND OIL, ALUM, AMMONIA, ETC. R. H. MACY & CO., INC., New York, N. Y.
Filed November 29, 1937. Serial No. 400,240. PUBLISHED FEBRUARY 22, 1938. Class 6.

356,771. PIPE THREAD COMPOUND. KENITE LABORATORY, INC., New York, N. Y.
Filed November 30, 1937. Serial No. 400,306. PUBLISHED FEBRUARY 22, 1938. Class 12.

356,772. HAND BAGS, PORTFOLIOS, BRIEF CASES, POCKET BOOKS, TRUNKS, AND HAND LUGGAGE. KRESGE DEPARTMENT STORE, NEWARK, Newark, N. J., assignor to Sebastian S. Kresge, trading as Kresge Department Store, Newark, Newark, N. J., and elsewhere.
Filed November 30, 1937. Serial No. 400,312. PUBLISHED MARCH 1, 1938. Class 3.

356,773. FINELY DIVIDED BENTONITE. AMERICAN COLLOID CO., Chicago, Ill.
Filed December 1, 1937. Serial No. 400,330. PUBLISHED MARCH 1, 1938. Class 1.

356,774. FINELY DIVIDED BENTONITE. AMERICAN COLLOID CO., Chicago, Ill.
Filed December 1, 1937. Serial No. 400,331. PUBLISHED MARCH 1, 1938. Class 1.

356,775. LADIES' BLOUSES. SUSQUEHANNA WAIST COMPANY, Philadelphia, Pa.
Filed December 2, 1937. Serial No. 400,391. PUBLISHED MARCH 1, 1938. Class 39.

356,776. TONIC AND LAXATIVE COMPOUND. LEON SMITH, doing business as Smi-Lax Medicine Co., Kannapolis, N. C.
Filed December 1, 1937. Serial No. 400,397. PUBLISHED FEBRUARY 22, 1938. Class 6.

356,777. THERMOSTATS. WALTER W. ROBINSON, Anniston, Ala.
Filed December 3, 1937. Serial No. 400,438. PUBLISHED MARCH 1, 1938. Class 26.

356,778. HARDWARE AND HARDWARE ACCESSORIES AND SUPPLIES—NAMELY, PLIERS, HAND SAWS, COPING SAWS, HACK SAWS, WRENCHES, BRACES, HAND DRILLS, SCREW DRIVERS, DRILL BITS, HAMMERS, CHISELS, PLANES, AND GLASS CUTTERS. AMERICAN MERCHANDISE CO. INC., New York, N. Y.
Filed December 4, 1937. Serial No. 400,449. PUBLISHED MARCH 1, 1938. Class 23.

356,779. MECHANICAL PENCILS AND PENS AND PARTS THEREOF. NASSAU PEN AND PENCIL CORPORATION, New York N. Y.
Filed December 4, 1937. Serial No. 400,464. PUBLISHED MARCH 1, 1938. Class 37.

356,780. LADIES' AND CHILDREN'S STREET DRESSES, SKIRTS, SWEATERS, SUITS, COATS, AND SPORT DRESSES. THE COTTON SHOP, INC., New York, N. Y.
Filed December 6, 1937. Serial No. 400,495. PUBLISHED MARCH 1, 1938. Class 39.

356,781. CONCENTRATED, ANTI-ANEMIC EXTRACT OBTAINED FROM STOMACH TISSUE COMBINED WITH IRON AND VITAMIN B. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed December 6, 1937. Serial No. 400,525. PUBLISHED FEBRUARY 22, 1938. Class 6.

356,782. RAIN STOCKINGS. H. C. A. BEHR & C. H. SWITZER, York, Pa.
Filed December 7, 1937. Serial No. 400,547. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,783. SLACKS. THE MOYER MANUFACTURING COMPANY, Youngstown, Ohio.
Filed December 7, 1937. Serial No. 400,567. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,784. KNITTED SWEATERS FOR MEN, BOYS, AND CHILDREN. PARAGON KNITTING MILLS, Philadelphia, Pa.
Filed December 7, 1937. Serial No. 400,568. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,785. LADIES' FULL-FASHIONED HOSIERY. DAVID A. HARRISON, Boston, Mass.
Filed December 8, 1937. Serial No. 400,598. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,786. MEDICATED SHAMPOO FOR DOGS. ZENITH PRODUCTS CO., Wellsville, Ohio.
Filed December 9, 1937. Serial No. 400,627. PUBLISHED FEBRUARY 22, 1938. Class 6.

356,787. EFFERVESCENT SALTS. THE CITRINE COMPANY, Toledo, Ohio.
Filed December 9, 1937. Serial No. 400,631. PUBLISHED FEBRUARY 22, 1938. Class 6.

356,788. FIBER MATERIAL IN THE NATURE OF OILED CLOTH FOR COVERING FIXTURES, FURNITURE, WALLS, SHELVES, AND THE LIKE. CLOPAY CORPORATION, Cincinnati, Ohio.
Filed December 9, 1937. Serial No. 400,632. PUBLISHED MARCH 1, 1938. Class 20.

356,789. LETTER PAPER, TYPEWRITER PAPER, NOTE PAPER, AND LEGAL CAP PAPER. THE MUNISING PAPER COMPANY, Chicago, Ill.
Filed December 9, 1937. Serial No. 400,669. PUBLISHED MARCH 1, 1938. Class 37.

356,790. CHEWING GUM. JOSEPHINE B. SMITH, Dallas, Tex.
Filed December 10, 1937. Serial No. 400,670. PUBLISHED MARCH 1, 1938. Class 46.

356,791. HAMS. JOHN MORRELL & CO., Ottumwa, Iowa.
Filed December 10, 1937. Serial No. 400,696. PUBLISHED MARCH 1, 1938. Class 46.

356,792. LEATHER. THE ADAMS BUCKSKIN CO., INC., Johnstown, N. Y.
Filed December 11, 1937. Serial No. 400,715. PUBLISHED MARCH 1, 1938. Class 1.

356,793. DIESEL MOTORS, PARTS THEREOF, AND ACCESSORIES THERETO. DAIMLER-BENZ AKTIENGESELLSCHAFT, Stuttgart-Untertürkheim, Germany.
Filed December 11, 1937. Serial No. 400,722. PUBLISHED MARCH 1, 1938. Class 23.

356,794. WOMEN'S AND MISSES' SLIPS. SLIPCO, Shelton, Conn.
Filed December 11, 1937. Serial No. 400,736. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,795. EDUCATIONAL PUBLICATIONS. NATIONAL LEAGUE OF WOMEN VOTERS, Washington, D. C.
Filed December 13, 1937. Serial No. 400,787. PUBLISHED MARCH 1, 1938. Class 38.

356,796. COAL. THE MCALESTER FUEL COMPANY, McAlester, Okla., and Kansas City, Mo.
Filed December 14, 1937. Serial No. 400,846. PUBLISHED MARCH 1, 1938. Class 1.

356,797. HAIR TONICS. ERNEST J. CARLSON, Reading, Pa.
Filed December 15, 1937. Serial No. 400,868. PUBLISHED FEBRUARY 22, 1938. Class 6.

356,798. SPORTSWEAR, COVERING LADIES' AND MISSES DRESSES, BLOUSES, JACKETS, AND SKIRTS. A. AJELLO INCORPORATED, New York, N. Y.
Filed December 16, 1937. Serial No. 400,894. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,799. LADIES' HOUSE DRESSES, AND NURSES' AND MAIDS' UNIFORMS. W. KOTKES & SON, New York, N. Y.
Filed December 16, 1937. Serial No. 400,912. PUBLISHED MARCH 1, 1938. Class 39.

356,800. NEWSPAPER SYNDICATED FEATURE. PUBLIC LEDGER, INC., Philadelphia, Pa.
Filed December 16, 1937. Serial No. 400,924. PUBLISHED MARCH 1, 1938. Class 38.

356,801. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. SHULTON, INC., New York, N. Y.
Filed December 16, 1937. Serial No. 400,929. PUBLISHED FEBRUARY 22, 1938. Class 6.

356,802. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. SHULTON, INC., New York, N. Y.
Filed December 16, 1937. Serial No. 400,930. PUBLISHED FEBRUARY 22, 1938. Class 6.

356,803. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. SHULTON, INC., New York, N. Y.
Filed December 16, 1937. Serial No. 400,932. PUBLISHED FEBRUARY 22, 1938. Class 6.

356,804. SAPONACEOUS COMPOUNDS FOR CLEANING THE HANDS, SHAVING CREAM, SHAVING STICKS, SHAVING POWDER, ETC. SHULTON, INC., New York, N. Y.
Filed December 16, 1937. Serial No. 400,934. PUBLISHED MARCH 1, 1938. Class 4.

356,805. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. SHULTON, INC., New York, N. Y.
Filed December 16, 1937. Serial No. 400,936. PUBLISHED FEBRUARY 22, 1938. Class 6.

356,806. LADIES' SUITS AND COATS. A. DAVIS & SONS, INC., Jersey City, N. J.
Filed December 17, 1937. Serial No. 400,948. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,807. TRACING PAPER. B. K. ELLIOTT COMPANY, Pittsburgh, Pa.
Filed December 17, 1937. Serial No. 400,952. PUBLISHED MARCH 1, 1938. Class 37.

356,808. TRACING PAPER. B. K. ELLIOTT COMPANY, Pittsburgh, Pa.
Filed December 17, 1937. Serial No. 400,958. PUBLISHED MARCH 1, 1938. Class 37.

356,809. TRACING PAPER AND TRACING CLOTH. B. K. ELLIOTT COMPANY, Pittsburgh, Pa.
Filed December 17, 1937. Serial No. 400,957. PUBLISHED MARCH 1, 1938. Class 37.

356,810. ART DRAWING PAPER. B. K. ELLIOTT COMPANY, Pittsburgh, Pa.
Filed December 17, 1937. Serial No. 400,966. PUBLISHED MARCH 1, 1938. Class 37.

356,811. CARTOONS. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed December 17, 1937. Serial No. 400,976. PUBLISHED MARCH 1, 1938. Class 38.

356,812. PERIODICAL PUBLICATION. DAVID MCKAY COMPANY, Philadelphia, Pa.
Filed December 17, 1937. Serial No. 400,983. PUBLISHED MARCH 1, 1938. Class 38.

356,813. WOMEN'S AND MISSES' DRESSES, BLOUSES, CULOTTES, LOUNGING PAJAMAS, OUTER ROBES, SLACKS, SKIRTS, AND PLAY SUITS. DAVID MINCHENBERG, New York, N. Y.
Filed December 17, 1937. Serial No. 400,986. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,814. SEALING MATERIAL FOR MECHANICAL JOINTS AND THE LIKE. PRESSTITE ENGINEERING COMPANY, St. Louis, Mo.
Filed December 17, 1937. Serial No. 400,996. PUBLISHED MARCH 1, 1938. Class 12.

356,815. FLEXIBLE WRITING PLATES. A. B. DICK COMPANY, Chicago, Ill.
Filed December 18, 1937. Serial No. 401,017. PUBLISHED MARCH 1, 1938. Class 37.

356,816. PRINTED FORMS WITH INTERLEAVED CARBON SHEETS. THE GENERAL MANIFOLD AND PRINTING COMPANY, Franklin, Pa.
Filed December 18, 1937. Serial No. 401,020. PUBLISHED MARCH 1, 1938. Class 37.

356,817. LADIES' AND MISSES' FROCKS AND HOUSE AND STREET DRESSES. R. LOWENBAUM MANUFACTURING CO., St. Louis, Mo.
Filed December 18, 1937. Serial No. 401,028. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,818. BASE METAL COOKING HOLLOWWARE. COOKWARE COMPANY OF AMERICA, Hartford, Mich.
Filed December 20, 1937. Serial No. 401,049. PUBLISHED MARCH 1, 1938. Class 13.

356,819. ANNUAL PUBLICATION. THOMAS PUBLISHING COMPANY, New York, N. Y.
Filed December 20, 1937. Serial No. 401,081. PUBLISHED MARCH 1, 1938. Class 38.

356,820. PAPER NAPKINS. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed December 16, 1937. Serial No. 401,004. PUBLISHED MARCH 1, 1938. Class 37.

356,821. CHROME NEUTRAL HIGH TEMPERATURE BONDING MORTAR. THE DENVER FIRE CLAY COMPANY, Denver, Colo.
Filed December 21, 1937. Serial No. 401,103. PUBLISHED MARCH 1, 1938. Class 12.

356,822. DEODORANT, ANTISEPTIC, AND GERMICIDE PREPARATIONS. KATZ DRUG COMPANY, Kansas City, Mo.
Filed December 22, 1937. Serial No. 401,147. PUBLISHED FEBRUARY 22, 1938. Class 6.

356,823. WOMEN'S SUITS AND COATS. THE SCHAEFFER GARMENT CO., INCORPORATED, Covington, Ky.
Filed December 22, 1937. Serial No. 401,163. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,824. DICTATION BOOKS. EDNA K. DAVIS, St. Louis, Mo.
Filed December 27, 1937. Serial No. 401,241. PUBLISHED MARCH 1, 1938. Class 37.

356,825. CANDY—NAMELY, CANDY POPS. GREAT BUCKEYE CANDIES, INC., Akron, Ohio.
Filed December 27, 1937. Serial No. 401,258. PUBLISHED MARCH 1, 1938. Class 46.

356,826. BURIAL CASKETS AND PARTS THEREOF. F. H. HILL COMPANY, INC., Cleveland, Ohio.
Filed December 27, 1937. Serial No. 401,261. PUBLISHED MARCH 1, 1938. Class 2.

356,827. COLLAR SUPPORTING, REINFORCING, AND HOLDING DEVICES SUCH AS PAPER FORMS FOR NEWLY MADE OR FRESHLY LAUNDERED COLLARS. J. W. STEELE & CO., North Kansas City, Mo.
Filed December 27, 1937. Serial No. 401,270. PUBLISHED MARCH 1, 1938. Class 37.

356,828. ESPECIALLY PREPARED FEATHER MATERIAL EMPLOYED AS A FILLING FOR QUILTS, PADS, MATTRESSES, AND THE LIKE. CHESTER L. THOMAS, Denver, Colo.
Filed December 27, 1937. Serial No. 401,283. PUBLISHED MARCH 1, 1938. Class 1.

356,829. RING TRAVELERS. U. S. RING TRAVELER CO., Providence, R. I.
Filed December 27, 1937. Serial No. 401,286. PUBLISHED MARCH 1, 1938. Class 23.



356,830. FILTERS. COMMERCIAL FILTERS CORPORATION, Boston, Mass.
Filed December 28, 1937. Serial No. 401,297. PUBLISHED MARCH 1, 1938. Class 31.

356,831. VENDING MACHINES. J. D. HENRY DRUSHELL, doing business as J. D. Drushell Company, Chicago, Ill.
Filed December 28, 1937. Serial No. 401,300. PUBLISHED MARCH 1, 1938. Class 23.

356,832. ELECTRO-THERAPEUTIC APPARATUS. PEERLESS LABORATORIES, INC., New York, N. Y.
Filed December 28, 1937. Serial No. 401,315. PUBLISHED MARCH 1, 1938. Class 44.

356,833. LOAD INDICATING MECHANISMS FOR VEHICLES. THE BLACK & DECKER MANUFACTURING COMPANY, Towson, Md.
Filed December 29, 1937. Serial No. 401,329. PUBLISHED MARCH 1, 1938. Class 26.

356,834. LUMBER. ELK RIVER COAL AND LUMBER COMPANY, Dundon, W. Va.
Filed December 29, 1937. Serial No. 401,340. PUBLISHED MARCH 1, 1938. Class 12.

356,835. EXPOSURE METERS. FRITZ LOEWENBERG, New York, N. Y.
Filed December 29, 1937. Serial No. 401,344. PUBLISHED MARCH 1, 1938. Class 26.

356,836. MEN'S NEGLIGEE, DRESS, AND SPORT SHIRTS. THE MARLEY AND CAREW COMPANY, Cincinnati, Ohio.
Filed December 29, 1937. Serial No. 401,346. PUBLISHED MARCH 1, 1938. Class 39.

356,837. PREPARATION FOR RELIEVING THE DISCOMFORT OF COUGH AND THE SPASMODIC ATTACKS OCCURRING IN WHOOPING COUGH. CANNON LABORATORIES INC., New York, N. Y.
Filed December 30, 1937. Serial No. 401,370. PUBLISHED FEBRUARY 22, 1938. Class 6.

356,838. LADIES' NEGLIGEES, SLIPS, BLOOMERS, PANTIES, CHEMISES, NIGHTGOWNS, UNDERSHIRTS, UNDERVESTS, UNDERDRAWERS, LOUNGING ROBES, PAJAMAS, AND BED JACKETS MADE OF SILK, RAYON, AND TEXTILE FABRICS. IMPERIAL UNDERGARMENT CO., New York, N. Y.
Filed December 30, 1937. Serial No. 401,387. PUBLISHED MARCH 1, 1938. Class 39.

356,839. PERFUMES. NEW PROCESS COMPANY, Warren, Pa.
Filed December 30, 1937. Serial No. 401,397. PUBLISHED FEBRUARY 22, 1938. Class 6.

356,840. INSULATION MATERIAL FOR USE IN BUILDINGS, VEHICLES, REFRIGERATED CHAMBERS, AND THE LIKE. ALUMINUM AIRCELL INSULATION COMPANY, Detroit, Mich.
Filed December 31, 1937. Serial No. 401,421. PUBLISHED MARCH 1, 1938. Class 12.

356,841. VEGETABLE SHORTENING. LEVER BROTHERS COMPANY, Cambridge, Mass.
Filed December 31, 1937. Serial No. 401,440. PUBLISHED MARCH 1, 1938. Class 46.

356,842. LADIES' DRESSES, SUITS, COATS, CAPES, JACKETS, DRESS AND CAPE ENSEMBLES, DRESS AND COAT ENSEMBLES, DRESS AND JACKET ENSEMBLES, AND SKIRTS. SIEGEL-LITTLE, INC., New York, N. Y.
Filed December 31, 1937. Serial No. 401,451. PUBLISHED MARCH 1, 1938. Class 39.

356,843. LADIES' DRESSES, SUITS, COATS, CAPES, JACKETS, DRESS AND CAPE ENSEMBLES, DRESS AND COAT ENSEMBLES, DRESS AND JACKET ENSEMBLES, AND SKIRTS. SIEGEL-LITTLE, INC., New York, N. Y.
Filed December 31, 1937. Serial No. 401,452. PUBLISHED MARCH 1, 1938. Class 39.

356,844. GILSONITE. UTAH GILSONITE COMPANY, St. Louis, Mo.
Filed December 31, 1937. Serial No. 401,457. PUBLISHED MARCH 1, 1938. Class 1.

356,845. MEN'S CLOTHING—NAMELY, OVERCOATS, TOPCOATS, AND SUITS. EAGLE CLOTHES, New York, N. Y.
Filed January 5, 1938. Serial No. 401,558. PUBLISHED MARCH 1, 1938. Class 39.

356,846. FRESH CITRUS FRUITS. WAVERLY GROWERS COOPERATIVE, Waverly, Fla.
Filed January 6, 1938. Serial No. 401,630. PUBLISHED MARCH 1, 1938. Class 46.

356,847. SHEETS AND PILLOW CASES. BELL TEXTILE CO., New York, N. Y.
Filed January 7, 1938. Serial No. 401,645. PUBLISHED MARCH 1, 1938. Class 42.

356,848. SHEETS AND PILLOW CASES. H. COHEN & BRO., New York, N. Y.
Filed January 7, 1938. Serial No. 401,666. PUBLISHED MARCH 1, 1938. Class 42.

356,849. SILK AND ARTIFICIAL SILK CLOTH. S. J. ARONSOHN, INC., Paterson, N. J., and New York, N. Y.
Filed January 10, 1938. Serial No. 401,722. PUBLISHED MARCH 1, 1938. Class 42.

356,850. BOARD GAMES PLAYED WITH MOVABLE PIECES. EDWARD T. MCNANEY, doing business as The Modern Games Mfg. Co., Catonsville, Md.
Filed January 11, 1938. Serial No. 401,784. PUBLISHED MARCH 1, 1938. Class 22.

356,851. NON-ALCOHOLIC, NON-CEREAL, CARBONATED, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. CRAWFORD F. MERRITT, Glencoe, Ill.
Filed January 12, 1938. Serial No. 401,832. PUBLISHED MARCH 1, 1938. Class 45.

356,852. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH AND COMPANY, INC., New York, N. Y., and Schenley, Pa.
Filed January 13, 1938. Serial No. 401,853. PUBLISHED MARCH 1, 1938. Class 49.

356,853. FRESH CITRUS FRUITS. PASCO PACKING ASSOCIATION, Dade City, Fla.
Filed January 17, 1938. Serial No. 402,017. PUBLISHED MARCH 1, 1938. Class 46.

356,854. BRANDY. ARBOUIN MARETT & CO., S. A., Cognac, France.
Filed January 18, 1938. Serial No. 402,052. PUBLISHED MARCH 1, 1938. Class 49.

## [ACT OF FEBRUARY 20, 1905, AS AMENDED JUNE 20, 1936]

356,855. CIGARS AND CUT TOBACCO. COMISION NACIONAL DE PROPAGANDA Y DEFENSA DEL TABACO HABANO, Habana, Cuba.
Filed September 11, 1937. Serial No. 397,328. PUBLISHED MARCH 1, 1938. Class 17.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

**THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION**

356,856. (CLASS 43. THREAD AND YARN.) EASTYARN, INC., Brooklyn, N. Y. Filed Mar. 24, 1936. Serial No. 376,340.

**TURFANI**

For Yarns for Use in Knitting and Embroidering.
Claims use since Feb. 1, 1936.

356,857. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ERCOLE R. BERLUTI, Saginaw, Mich. Filed Feb. 17, 1937. Serial No. 389,008.

**GOOSE NECK**

For Trailer Hitches.
Claims use since Jan. 1, 1937.

356,858. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) UNITED FACTORIES, INC., Kansas City, Mo. Filed Apr. 2, 1937. Serial No. 390,873.

**MICASEAL**

For Ground Vermiculite Paste for Sealing Pistons.
Claims use since Mar. 18, 1937.

356,859. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y. Filed Apr. 3, 1937. Serial No. 390,891.

**SEALECTED**

For Razors and Razor Blades.
Claims use since Feb. 24, 1937.

356,860. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. B. HOLLOWAY, doing business as L. E. Holloway & Co., Leesburg, Fla., and Atlanta, Ga. Filed July 27, 1937. Serial No. 395,666.

**BESTEVER**

For Canned Citrus Juices for Food Purposes.
Claims use since 1920.

356,861. (CLASS 37. PAPER AND STATIONERY.) HAMPSHIRE PAPER COMPANY, INC., South Hadley Falls, Mass. Filed Dec. 2, 1937. Serial No. 400,373.

**MAYFAIR VELLUM**

For Printing and Writing Paper.
Claims use since Jan. 20, 1932.

356,862. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ROBERT ALEXANDER BACHMANN, doing business as The Bach Pessalator Company, New York, N. Y. Filed Dec. 23, 1937. Serial No. 401,176.

**BACH**

For Pessaries and Pessary Applicators.
Claims use since January, 1935.

356,863. (CLASS 37. PAPER AND STATIONERY.) GRAHAM MANUFACTURING COMPANY, Holyoke, Mass. Filed Jan. 13, 1938. Serial No. 401,857.

**GRACO**

For Paper Napkins, Paper Towels, and Toilet Paper.
Claims use since September, 1934.

356,864. (CLASS 37. PAPER AND STATIONERY.) GRAHAM MANUFACTURING COMPANY, Holyoke, Mass. Filed Jan. 13, 1938. Serial No. 401,858.

**GRAKIN**

For Paper Napkins, Paper Towels, and Toilet Paper.
Claims use since September, 1934.

356,865. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHEEZCORN CO. OF NEW ENGLAND, INC., Boston, Mass. Filed Mar. 5, 1938. Serial No. 403,716.

**CHEEZEE-POP**

For Cheese-Flavored Pop-Corn.
Claims use since Aug. 27, 1935.



# TRADE-MARK REGISTRATIONS RENEWED

15,357. TYPE-WRITING MACHINES. Registered April 10, 1888. STANDARD TYPEWRITER MANUFACTURING COMPANY, New York, N. Y. Re-renewed April 10, 1938, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

15,375. TYPE-WRITING MACHINES. Registered April 17, 1888. STANDARD TYPEWRITER MANUFACTURING COMPANY, New York, N. Y. Re-renewed April 17, 1938, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

15,376. TYPE-WRITING MACHINES. Registered April 17, 1888. STANDARD TYPEWRITER MANUFACTURING COMPANY, New York, N. Y. Re-renewed April 17, 1938, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

121,219. A CERTAIN PHARMACEUTICAL PREPARATION TO BE USED AS ANTIPYRETICS, ANESTHETICS, ANALGESICS. Registered April 16, 1918. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a limited liability company of Switzerland.

121,290. MEDICINAL PREPARATIONS FOR TREATMENT OF THE SCALP AND HAIR. Registered April 23, 1918. JOSEPH HAIGH. Renewed April 23, 1938, to Catherine Haigh, Kansas City, Mo., successor.

121,350. A DISTILLED WATER FOR DRINKING AND OTHER PURPOSES. Registered April 23, 1918. THE STANDARD WATER SYSTEMS CO., Hampton, N. J., a corporation of Delaware. Renewed April 23, 1938.

121,497. MALLEABLE-IRON BOOT-PROTECTORS, HOB-NAILS, AND BOOT-STUDS. Registered April 30, 1918. HENRY RICHMOND & SONS LIMITED, Leeds, England, a corporation of Great Britain. Renewed April 30, 1938.

121,559. CANNED BEEF. Registered May 7, 1918. LIBBY, MCNEILL & LIBBY, Chicago, Ill., a corporation of Maine. Renewed May 7, 1938.

121,653. CERTAIN NAMED NON-ALCOHOLIC BEVERAGES. Registered May 14, 1918. RANIER PRODUCTS COMPANY, Seattle, Wash. Renewed May 14, 1938, to Ranier Brewing Company, Inc., San Francisco, Calif., a corporation of California, assignee by mesne assignments.

121,666. CERTAIN NAMED FOODS. Registered May 14, 1918. SMITH & HORTON CO. LIMITED. Renewed May 14, 1938, to Smith & Horton Co., Warren, Pa., a corporation of Pennsylvania, successor.

121,679. CERTAIN NAMED FOODS. Registered May 14, 1918. WESTERN GROCER COMPANY, Oskaloosa, Iowa. Renewed May 14, 1938, to Western Grocer Company, Marshalltown, Iowa, a corporation of Iowa.

121,739. PAPER BAGS AND PAPER BOXES. Registered May 21, 1918. WALTHAM BAG & PAPER COMPANY, Waltham, Mass., a corporation of Massachusetts. Renewed May 21, 1938.

121,754. HOSIERY. Registered May 28, 1918. BUTLER BROTHERS, Chicago, Ill., a corporation of Illinois. Renewed May 28, 1938.

121,994. EYEGLASSES. Registered June 11, 1918. T. A. WILLSON & CO., INC. Renewed June 11, 1938, to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania, by changes of name.

122,103. AEROPLANES. Registered June 25, 1918. A. V. ROE & CO. LTD., Manchester, England. Renewed June 25, 1938, to A. V. Roe & Co. Limited, Manchester and London, England, a corporation of Great Britain.

122,225. A TOY TORPEDO CONSISTING OF A MASS OF PYROTECHNIC COMPOSITION. Registered July 9, 1918. THE NATIONAL FIREWORKS DISTRIBUTING CO., Boston, Mass., a corporation of Arizona. Renewed July 9, 1938.

122,648. TEA. Registered September 3, 1918. EUGENE LEVERING, JR. Renewed September 3, 1938, to The Levering Coffee Company, Baltimore, Md., a corporation of Maryland, assignee.

122,649. TEA. Registered September 3, 1918. EUGENE LEVERING, JR. Renewed September 3, 1938, to The Levering Coffee Company, Baltimore, Md., a corporation of Maryland, assignee.

122,970. PRINTED BOOKS, PAMPHLETS, PERIODICALS (PUBLISHED MONTHLY). Registered October 1, 1918. INTERNATIONAL LONGSHOREMANS ASSOCIATION, Buffalo, N. Y. Renewed October 1, 1938, to International Longshoremen's Association, New York, N. Y., a voluntary association.

123,007. TONIC FOR THE BLOOD. Registered October 1, 1918. WORLD'S DISPENSARY MEDICAL ASSOCIATION, Buffalo, N. Y., a corporation of New York. Renewed October 1, 1938.

# LABELS

## REGISTERED MAY 10, 1938

51,090.—*Title:* DERMA-PINE SPRAY. For Spray for Control of Fleas, Lice, Mites, and Other Pests on Dogs and Cats. JAMES K. BANES, doing business as Banes Laboratory, Los Angeles, Calif. Published April 1, 1938.

51,091.—*Title:* CALVERT. For Men's Hats. CALVERT HATS, INC., Baltimore, Md. Published February 18, 1938.

51,092.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published July 31, 1936.

51,093.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published April 16, 1938.

51,094.—*Title:* COOKY CROC COOKIE MIX. For Prepared Mixture for Making Cookies. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published September 11, 1937.

51,095.—*Title:* FALCON'S EYES SAFETY LIGHT. For Safety Lights. PAUL FALKE, Weehawken, N. J. Published March 31, 1937.

51,096.—*Title:* RESTMORE. For Studio Couches. THE L. FISH FURNITURE COMPANY, Chicago, Ill. Published March 6, 1938.

51,097.—*Title:* RESTMORE. For Mattresses. THE L. FISH FURNITURE COMPANY, Chicago, Ill. Published March 6, 1938.

51,098.—*Title:* TEXANILLA. For an Imitation Vanilla Concentrate Colored with Caramel. A. E. ILLES, doing business as A. E. Illes Company, Dallas, Tex. Published July 31, 1935.

51,099.—*Title:* LEE COWBOY PANTS. For Cowboy Pants. THE H. D. LEE MERCANTILE COMPANY, Kansas City, Mo. Published March 29, 1938.

51,100.—*Title:* SWEET CREAM FALL'S BUTTER. For Butter. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published December 31, 1937.

51,101.—*Title:* BURGER MAID. For Sandwiches. WADE RUSSELL, Dallas, Tex. Published August 15, 1935.

51,102.—*Title:* HOUSE EGG CARTON. For Egg Cartons. LOUIS SCHWARTZBERG, Chicago, Ill. Published March 11, 1938.

51,103.—*Title:* RAISIN-BRAN. For Whole Wheat with Raisins, Bran, and Salt Added. LLOYD M. SKINNER, doing business as Skinner Manufacturing Company, Omaha, Nebr. Published February 15, 1938.

51,104.—*Title:* CHASE AND SANBORN DATED. For Coffee. STANDARD BRANDS INCORPORATED, New York, N. Y. Published March 31, 1938.

51,105.—*Title:* FLEISCHMANN'S. For Yeast. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 1, 1938.

51,106.—*Title:* STANTON OLDEN ALE. For Ale. THE STANTON BREWERY, INC., Troy, N. Y. Published January 26, 1938.

51,107.—*Title:* TIP TOP BOHEMIAN BRAND. For Beer. THE SUNRISE BREWING CO., Cleveland, Ohio. Published April 12, 1938.

51,108.—*Title:* CHEERIE ENGLISH BRAND. For Ale. THE SUNRISE BREWING CO., Cleveland, Ohio. Published April 12, 1938.

51,109.—*Title:* OH HENRY! For Tomato Ketchup. HENRY E. TRAUTMAN, doing business as Oh Henry Company, New York, N. Y. Published March 10, 1938.

51,110.—*Title:* MILLION DOLLAR. For Coffee and Chicory. D. WALTER TURNER, doing business as The Walter Turner Coffee Co., Lenoir, N. C. Published February 18, 1938.

51,111.—*Title:* GOLDEN MILLER. For Straight Rye Whiskey. WASHINGTON WHOLESALE LIQUOR CORPORATION, Washington, D. C. Published February 1, 1938.

51,112.—*Title:* ROBERT MORRIS. For Kentucky Straight Bourbon Whiskey. WASHINGTON WHOLESALE LIQUOR CORPORATION, Washington, D. C. Published February 1, 1938.

51,113.—*Title:* TOTRUST. For Rust Preventive Paint. THE WILBUR & WILLIAMS COMPANY, Boston, Mass. Published September 15, 1937.

# PRINTS

## REGISTERED MAY 10, 1938

16,810.—*Title:* IT'S THE NETS BY BATES THAT CATCH THE PROFITS. For Nets. H. BATES CO., INC., New York, N. Y. Published March 6, 1938.

16,811.—*Title:* CATHOLIC QUALITY WEEKLIES. For Catholic Newspapers. THE CATHOLIC PRESS UNION, INCORPORATED, Cleveland, Ohio. Published October 1, 1937.

16,812.—*Title:* DRILL SHARPENING PROTRACTOR. For Twist Drills. COGSDILL TWIST DRILL COMPANY, INC., Detroit, Mich. Published December 22, 1937.

16,813.—*Title:* BABIES THRIVE ON THIS FIRST SOLID FOOD—IT'S PERFECTLY DIGESTIBLE! For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published April 1, 1938.

16,814.—*Title:* BLINKERS. For Sunglasses. DRAUVILLE SPECIALTY CORPORATION, New York, N. Y. Published January 15, 1938.

16,815.—*Title:* A GIFT FOR BOYS AND GIRLS JACK ARMSTRONG'S EXPLORER TELESCOPE. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published April 12, 1938.

16,816.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD NO. 4611. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published April 7, 1938.

16,817.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD NO. 4604. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published March 10, 1938.

16,818.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD NO. 4606. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published March 24, 1938.

16,819.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD NO. 4607. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published March 24, 1938.

16,820.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD NO. 4610. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published April 7, 1938.

16,821.—*Title:* PABST GOOD TASTE FOR 94 YEARS, AD NO. 4600. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published February 24, 1938.

16,822.—*Title:* LO-RU-JE. For a Skin Conditioner. MARY F. WILLIAMS, doing business as Lo-Ru-Je Company, Charleston, W. Va., and Washington, D. C. Published November 6, 1937.

16,823.—*Title:* KEEPS THEM HEALTHY. For Condition Capsules, Pine Oil Disinfectant, Shampoo and Sprayers. ZENITH PRODUCTS CO., Wellsville, Ohio. Published January 31, 1938.

# REISSUES

## MAY 10, 1938

**20,718**

**CHEMICAL COMPOUND**

**Willi Brün, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware**

**No Drawing. Original No. 1,943,513, dated January 16, 1934, Serial No. 569,238, October 19, 1931. Application for reissue July 21, 1937, Serial No. 154,906**

**13 Claims. (Cl. 52—4)**

1. As a composition of matter, a lead salt of 3-5 di-nitro ortho cresol.

5. A priming composition containing a lead salt of 3-5 dinitro ortho cresol.

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**20,719**

**IMPREGNATION OF METALS WITH SILICON**

**Harry K. Ihrig, Milwaukee, Wis., assignor to Globe Steel Tubes Co., Milwaukee, Wis., a corporation of Delaware**

**No Drawing. Original No. 2,100,425, dated March 1, 1938, Serial No. 86,823, June 23, 1936. Application for reissue March 17, 1938, Serial No. 196,429**

**20 Claims. (Cl. 148—14)**

1. That method of siliconising an article formed from metal capable of cementation by silicon which comprises heating that portion of the article which is to be siliconized to an elevated temperature at which silicon impregnation will occur and in the substantial absence of chlorine-containing gases, and then contacting the heated article with a siliconising reagent formed by heating a member of the group silicon carbide and ferrosilicon in a current of a member of the group chlorine gas and chloride vapor, and continuing such treatment to cause penetration of silicon into the article to a desired depth.

25. As a new article of manufacture, a metallic article provided in its marginal layers with a coherent and adherent siliconized case characterized by ability to absorb and tenaciously retain substantial amounts of oil, by high resistance to wear and acid corrosion, and the article being characterized by retaining susbtantially its original size.

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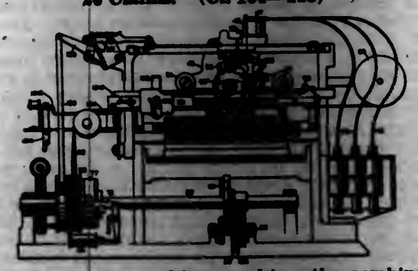
**20,720**

**CARD PUNCHING MACHINE**

**William W. Lasker, deceased, late of Brooklyn, N. Y., by Remington Rand Inc., Buffalo, N. Y., assignee**

**Original No. 2,044,768, dated June 16, 1936, Serial No. 654,812, February 2, 1933. Application for reissue August 21, 1937, Serial No. 160,267**

**26 Claims. (Cl. 164—113)**



1. In a card punching machine, the combination of a gang of punches, a set-up mechanism for selectively determining which of said punches shall be rendered effective for gang punching, said set-up mechanism comprising digit keys, means by which an actuation of said digit keys is operative to effect a set up for certain only of said punches operating only within one or another of a plurality of limited zones on the card to be punched, controlling means for determining which of the punches the set-up mechanism shall control under the operation of said digit keys, thereby determining which of the limited zones on the card shall be punched, and automatically operating means actuated at each punching operation for shifting said controlling means to alternate the punches controlled by the set-up mechanism under the operation of said digit keys and thereby automatically alternate the limited zones on the card within which punching is effected.

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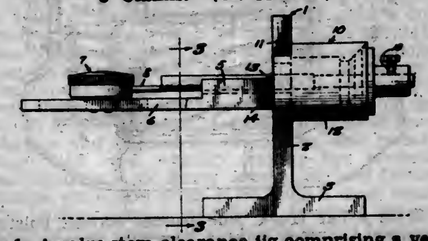
**20,721**

**VALVE STEM CLEARANCE JIG**

**Delbert Pointer, Farmer City, Ill.**

**Original No. 2,105,502, dated January 18, 1938, Serial No. 104,737, October 8, 1936. Application for reissue March 2, 1938, Serial No. 193,608**

**5 Claims. (Cl. 33—147)**



1. A valve stem clearance jig comprising a vertically arranged post having an opening, a horizontally disposed valve stem rest carried by said post, means for supporting a gage on said rest, and a jig head slidably supported on the post including a body having a bore and a seat to be engaged by a valve head with the stem supported by the rest and in engagement with the gage.

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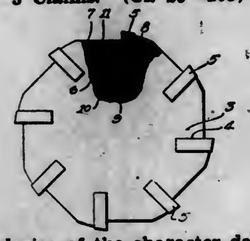
**20,722**

**BLADE ANCHORING WEDGE**

**Joseph W. Schmidt, Milwaukee, Wis., assignor to Wetmore Reamer Co., Milwaukee, Wis., a corporation of Wisconsin**

**Original No. 2,096,472, dated October 19, 1937, Serial No. 113,324, November 30, 1936. Application for reissue February 12, 1938, Serial No. 190,310**

**5 Claims. (Cl. 29—105)**

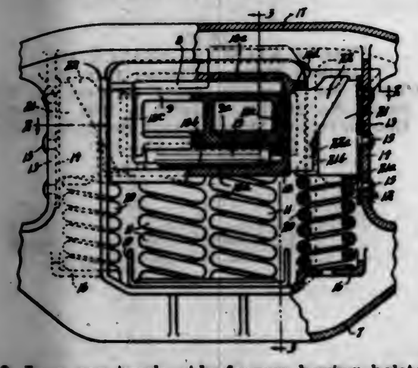


1. In a device of the character described, the

combination with a tool body having a longitudinal slot upon its periphery and provided with an inclined bore intersecting the slot, of a tool blade in the slot, a generally cylindrical wedge reciprocable in the bore and having one beveled face finished for clamping engagement with said blade, an adjusting screw for said wedge having right and left hand threaded portions, one of said portions being of reduced diameter as compared with the other, one of said portions being in threaded connection with the wedge, and the other being in threaded connection with said body.

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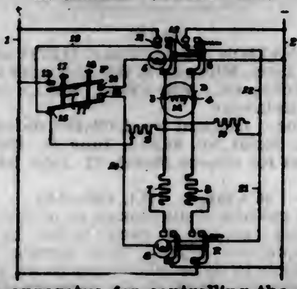
20,723
**SPRING DAMPING TRUCK**
Edwin W. Webb, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey
Original No. 1,894,326, dated January 17, 1933, Serial No. 592,722, February 13, 1932. Application for reissue December 1, 1937, Serial No. 177,614
6 Claims. (Cl. 105—186)



3. In a car truck, side frames having bolster openings, a truck bolster structure having ends disposed within said openings, bolster springs supporting the ends of said bolster structure from said side frames, said side frames having surfaces disposed in spaced parallel relation from the sides of said bolster structure, inner and outer oppositely facing and contacting wedges interposed between the sides of said bolster structure and said facing surfaces of said side frames, the ends of said bolster structure resting on said inner wedges and vertically disposed springs of materially less capacity than the bolster springs interposed between said outer wedges and portions of said side frame below the same.

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20,724
**CONTROLLER FOR INDUCTIVE DEVICES**
David C. Wright, Euclid, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Original No. 2,020,676, dated November 12, 1935, Serial No. 536,472, May 19, 1931. Application for reissue November 11, 1937, Serial No. 174,677
22 Claims. (Cl. 175—335)



1. An apparatus for controlling the operation of a lifting magnet, comprising means for energizing the magnet to lift a load, means operable to render said first mentioned means ineffective and to deenergize the magnet and drop the load, switching means for setting up reverse electromotive-force connections for said magnet before said deenergizing means becomes effective, said switching means being rendered operative to apply reverse electromotive-force to the magnet upon the operation of said second mentioned means, and means controlled by the magnet for opening the switch to cut off the reverse electromotive-force when the magnet is deenergized sufficiently to drop its load.

# PATENTS
## GRANTED MAY 10, 1938

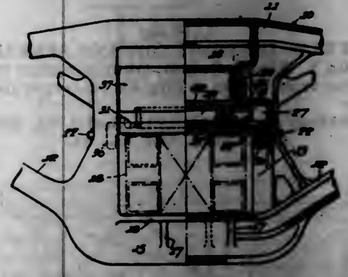
2,116,495
**SWITCH CONSTRUCTION**
Herman E. Adams, Paducah, Ky.
Application December 1, 1936, Serial No. 113,674
3 Claims. (Cl. 246—235)



1. In combination with the switch points of a switch and means for throwing the same, a clutch positioned between the switch points and the throw means whereby the switch points are permitted to shift when cars pass over the switch trailing points, said shifting being independent of the throw means, said clutch comprising a barrel, a rod slidable into the barrel and being connected at its outer end to the throw means, said switch points being connected to the barrel, a body on the inner end of the said rod, spring pressed interengaging means between the body and the barrel normally restraining the body and barrel against relative movement, said barrel being actuated by pressure on the switch point for movement relative to the body.

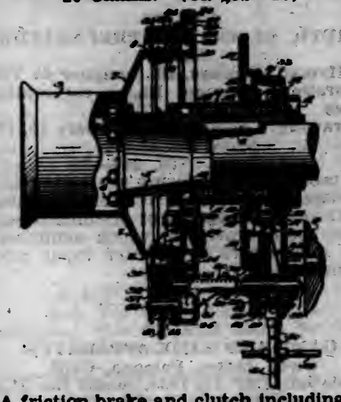
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2,116,496
**THREE PIECE LATERAL MOTION TRUCK**
Howard T. Casey, Baltimore, Md., assignor, by mesne assignments, to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application October 2, 1933, Serial No. 692,846
7 Claims. (Cl. 105—197.2)



2. In a railway car truck, the combination of side frames having window openings defined between spaced column guides, a bolster extending between the side frames and having its ends located within said window openings, a combination of rectangular and inclined shoulders on the column guides and bolster sides for connecting the bolster with the side frames and enabling the bolster to have limited lateral motion with respect to the side frames, a spring nest within each window opening, a carrier mounted on each spring nest and formed with curved seats, rollers mounted on said seats and engaging against the underside of the bolster, and integral means on the carrier and column guides independent of said shoulders for enabling the carrier to have vertical movement while preventing movement in any other direction.

2,116,497
**SPINNER HOIST CAT-HEAD CONTROL**
Walter W. Foster, Wichita Falls, Tex.
Application May 9, 1936, Serial No. 78,786
10 Claims. (Cl. 192—17)



1. A friction brake and clutch including a constantly rotating clutch element and a rotatable and axially movable drum carrying a corresponding clutch element, a support, friction means in continuous control of said drum and capable of self energization effective upon rotation of said drum in one direction, an axially movable housing for said friction means having link connection with said support, means for normally maintaining a moderate tension on said friction means when said drum is hoisting a load, means for axially shifting said drum to effect engagement of said clutch elements and means for varying the degree of tension on said friction means.

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2,116,498
**GRINDING MACHINE**
Ernest A. Hall, Toledo, Ohio, assignor to The Hall Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application October 14, 1936, Serial No. 105,595
16 Claims. (Cl. 51—241)



3. In a grinding machine, a body shaft having

inner and outer longitudinally aligned sections, means connecting said sections and permitting relative angular universal movements thereof, a spindle having inner and outer drive and driven sections rotatably mounted respectively on the inner and outer shaft sections, and a driving connection between said spindle sections permitting angular movements of the outer spindle and shaft sections relative to said inner sections.

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2,116,499

## SYNTHETIC RESINS AND PREPARATION OF SAME

Julius Hyman, Chicago, Ill., assignor to Velsical Corporation, Chicago, Ill., a corporation of Illinois

No Drawing. Application February 10, 1936, Serial No. 63,220
1 Claim. (Cl. 260—2)

In a process for producing synthetic resins by polymerizing unsaturated cracked hydrocarbon vapors through the agency of granular adsorbent catalysts, the improvement which comprises saturating said vapors with water vapor prior to polymerization.

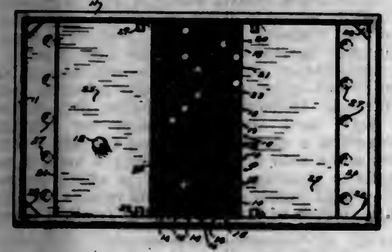
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2,116,500

## GAME AND GAME APPARATUS

Owen James, Pomona, Calif.

Application July 15, 1935, Serial No. 31,495
6 Claims. (Cl. 273—118)



1. In a game of the character described, surface projectiles, a game-board having a boundary wall, said board having pockets therein to receive the projectiles and hold them removably, said boundary wall having step supports on the inner sides thereof spaced from the said board more than the diameter of the projectiles, and a second game-board shaped to fit loosely within said boundary wall and to rest on said step supports, and having pockets of a diameter greater than that of the said projectiles spaced differently from the said pockets of the first board and principally located out of alinement therewith, whereby the first named board and projectiles thereon will be concealed by the second named board and boundary wall, said first named board having surfaces inclined so that projectiles dropping through the second named board will roll to said first named pockets randomly.

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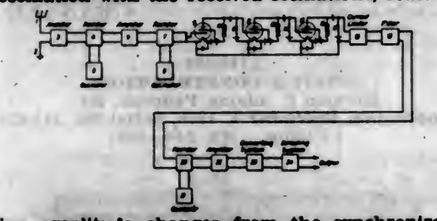
2,116,501

## RADIO RECEIVING SYSTEM

Edwin H. Armstrong, New York, N. Y.

Application September 14, 1935, Serial No. 40,544
Renewed July 28, 1937
2 Claims. (Cl. 250—20)

1. The method of reducing interference in radio reception of frequency modulated waves, which consists in generating at the receiving station a local oscillation greater in amplitude than that of the received signal, synchronizing the local oscillation with the received oscillations, remov-



ing amplitude changes from the synchronized oscillations, and detecting the changes in frequency.

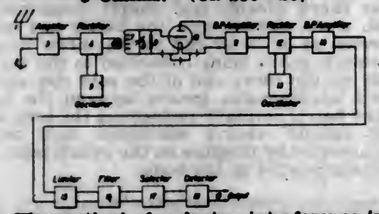
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2,116,502

## RADIO RECEIVING SYSTEM

Edwin H. Armstrong, New York, N. Y.

Application August 25, 1936, Serial No. 97,737
6 Claims. (Cl. 250—20)



1. The method of reducing interference in the radio reception of a wide-band frequency modulated wave, which consists in receiving the wave, re-enforcing selected frequencies of the received wave with respect to the other frequencies lying within the admittance band of the receiver, removing the effects of amplitude modulations and detecting the frequency changes of the received wave.

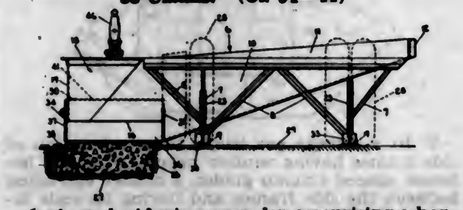
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2,116,503

## MATERIAL DISTRIBUTOR AND SPREADER

Franklin E. Arndt, Galion, Ohio, assignor to The Galion Iron Works & Mfg. Co., a corporation of Ohio

Application August 11, 1931, Serial No. 556,340
28 Claims. (Cl. 94—44)



1. A road widening spreader comprising a hopper having an open top adapted to receive material from the full width of discharge of a dumping truck, said hopper having means for directing such material to an open bottom at one side of the path of travel of the truck, means for supporting the hopper for travel along a previously built roadway with said open bottom serving to control the discharge of material along a path at the edge of the roadway, and haulage means adapted to connect the spreader to said truck in position to receive material from the rear end of the latter during travel of the truck along the roadway.



2,116,504

## MATERIAL DISTRIBUTOR AND SPREADER

Franklin E. Arndt, Galion, Ohio, assignor to The Galion Iron Works and Manufacturing Company, a corporation of Ohio

Application July 8, 1933, Serial No. 679,019
24 Claims. (Cl. 94—44)



2. A road widening spreader comprising a hopper having a free and unobstructed open bottom surrounded by the hopper walls extending upwardly from such open bottom, said open bottom being in position to move along a path at one side of a roadway and parallel thereto, while road material fills the hopper and is moving by gravity out of such bottom, self-supporting means comprising a plurality of spaced-apart rollers for enabling said hopper to travel along said roadway with its open bottom serving to discharge by gravity the material downwardly in a predetermined course, and means for regulating the depth of the course of material laid down by such movement by gravity through and out from said free and unobstructed bottom.

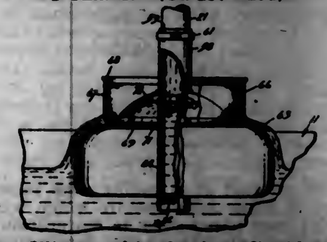
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2,116,505

## VALVE FOR FILLING MACHINES

Charles W. Burton, Vancouver, British Columbia, Canada, assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application May 24, 1934, Serial No. 727,368
4 Claims. (Cl. 137—104)



1. In a filling machine having a liquid reservoir, a pipe for admitting liquid to said reservoir, and valve controlled measuring chambers communicably connected thereto: a float valve for regulating and controlling the admission of liquid and the liquid level in said reservoir, said float valve comprising a lower sleeve member slidably mounted on said pipe, a float member secured to said sleeve, said pipe having apertures disposed near the upper end of said sleeve adapted to be opened and closed by said sleeve, and an upper sleeve member adjustably mounted on said pipe and having its lower end near said apertures for controlling the amount of opening of said apertures.

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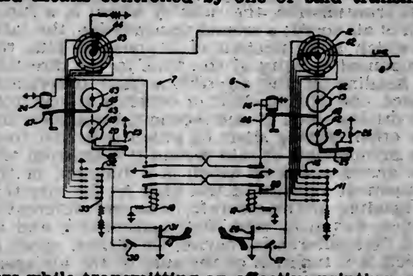
2,116,506

## TELEGRAPH SYSTEM

John O. Carr, Park Ridge, and Albert H. Reiber, Evanston, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application February 16, 1935, Serial No. 6,830
20 Claims. (Cl. 178—3)

1. In a telegraph system, a plurality of transmitters, changeover relays for conditioning said transmitters one by one to transmit effective printing code combinations of signals, a circuit, and means controlled by one of said transmit-



ters while transmitting an effective printing code for closing said circuit to control said changeover relays to decondition the said one of said transmitters and to condition another of said transmitters for operation.

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2,116,507

## SCRIPT TIMING DEVICE

Ray Jay Colin, Chicago, Ill.

Application May 8, 1936, Serial No. 78,536
5 Claims. (Cl. 40—31)



1. In a device of the character described, a casing having a window therein, a strip of indicia bearing material movable longitudinally past said window, a drive roller on one side of the strip, a spring pressed roller on the opposite side of the strip for pressing the strip against the drive roller to cause movement of the strip, and manually actuated means for moving the spring pressed roller away from the drive roller for stopping the movement of the strip.

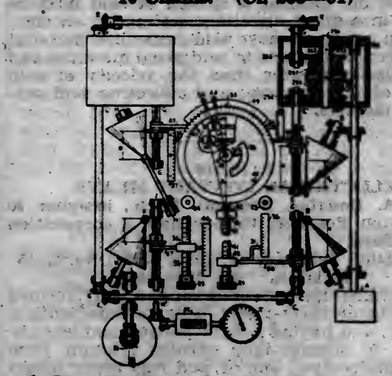
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2,116,508

## AIRCRAFT NAVIGATING INSTRUMENT

Charles H. Colvin, Point Pleasant Beach, N. J.

Application August 11, 1933, Serial No. 684,626
10 Claims. (Cl. 235—61)

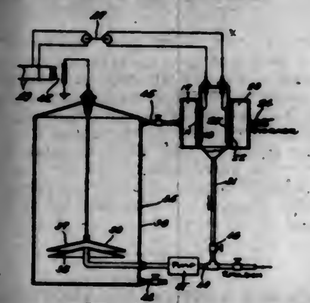


1. In an indicator for aircraft, having variable ratio transmissions, each having a driven shaft and a driving shaft the speed ratio of which

shafts is variable and differential devices, each having two driving shafts and a driven shaft wherein the speeds of the two driving shafts are combined to give the speed of the driven shaft, a first transmission, the ratio of which is a function of air speed; a second transmission, the ratio of which is a function of a constant plus the component velocity of the wind in the direction of heading of the aircraft; a first differential device, one driving shaft of which is driven from the driving shaft of said second transmission and the other driving shaft of which is driven from the driven shaft of said second transmission and the driven speed of which is a function of the component velocity of the wind in the direction of heading of the aircraft; a second differential device, driven by said first transmission and by said first differential device, the driven speed of which is a function of the sum of the air speed and the component velocity of the wind in the direction of heading of the aircraft; a third transmission, driven by said second differential device, the ratio of which is an inverse function of the cosine of the angle of drift; and an indicator driven by said third transmission.

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2,116,509
**ELECTRIC FILTRATION SYSTEM**
Frederick Gardner Cottrell, Washington, D. C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California
Application October 2, 1933, Serial No. 691,806
22 Claims. (Cl. 204—24)



1. A method of treating a mixture of a liquid and a suspended material, which method includes the steps of: forming a stream of said mixture moving in a given direction; setting up an electric field acting to move said suspended material in a direction opposite to said given direction and at a velocity greater than the velocity of said stream of said mixture; and collecting said suspended material.

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2,116,510
**ELECTRICAL CONTACT MEANS**
Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana
Application February 26, 1935, Serial No. 8,315
3 Claims. (Cl. 200—166)

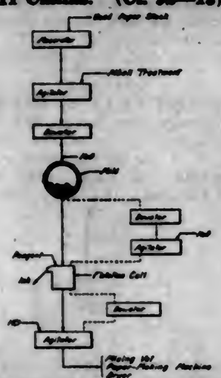
6. Terminal means, comprising: a body, formed of a strip of sheet-metal bent to substantially U-shape, and having a bight portion and legs extending in substantially parallel relation from said bight portion, one of said legs being longer than the other, and the longer leg being of a greater width than the shorter leg; and a support, having spaced-apart slot-like apertures, each aperture closely but slidably receiving a predetermined leg of said body; said longer leg being of a predetermined length so that said body



may be assembled only by first inserting said longer leg in the wider slot-like aperture, thereby providing for predetermined assembly of said body with respect to said support.

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2,116,511
**PAPER STOCK DEINKING METHOD**
Theodore Earle, Denver, Colo.
Application December 23, 1934, Serial No. 758,829
11 Claims. (Cl. 92—13)



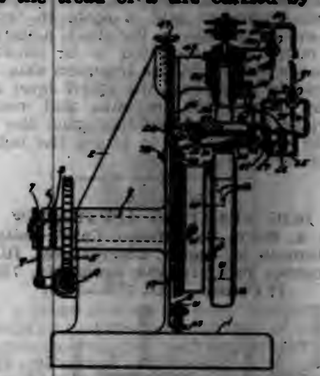
1. That method of salvaging used paper fiber for reuse in paper manufacture which comprises subjecting used paper stock to maceration, alkali treatment and agitation, partial dewatering of the maceratum, subsequent mechanical rubbing of the resultant pulp between yieldable surfaces and froth flotative separation of impurities from the product of said mechanical rubbing.

11. The method of salvaging used paper stock for reuse in paper manufacture which comprises subjecting of the stock to an alkaline treatment, washing of the alkali treated stock, and subsequent agitation of the resultant pulp in a froth flotation cell with a fatty acid for froth flotative separation of the ink particles and stock fibers.

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2,116,512
**TIRE RETREADING MACHINE**
George R. Ericson, Kirkwood, and John H. Kinsey, St. Louis, Mo., assignors, by mesne assignments to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application July 11, 1932, Serial No. 621,858
Renewed December 14, 1936
30 Claims. (Cl. 90—24)

1. In a tire re-grooving device, means to support a tire, a rubber cutting tool, guide means for said tool, means for pressing said guide means against the tread of a tire carried by the tire

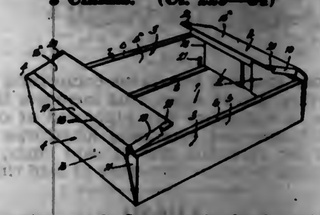


supporting means, and means for operating said tool in said guide means.

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2,116,513
**COLLAPSIBLE CARTON**
William P. Frankenstein, Cincinnati, Ohio
Application February 13, 1936, Serial No. 63,758
3 Claims. (Cl. 229—34)



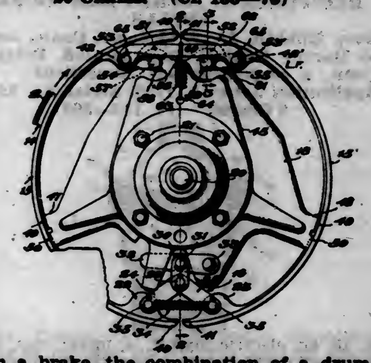
1. A carton made from a single sheet blank of card or paperboard material, comprising, a rectangular panel forming the bottom of the carton, extensions respectively from each side of the rectangular panel, each extension subdivided into sections by parallel scored lines, along which the sections are folded for erecting the same into a hollow wall of spaced inner and outer wall sections, an intermediate wall section joining said inner and outer wall sections, and a flap section joining with the inner wall section for overlying the bottom panel, the flaps for two opposed side walls of the carton permanently secured to the bottom panel and the flaps for the end walls respectively folded to overlie the bottom panel and provide a spacer for the inner and outer wall sections, the inner wall sections for the two opposed end walls of the carton of lesser longitudinal dimensions than their relative outer wall sections, and the intermediate connecting wall section thereof having their opposite ends cut on a bias.

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2,116,514
**PRIMING COMPOSITIONS**
George C. Hale and William H. Rinkenbach, Dover, N. J.
No Drawing. Application September 26, 1935, Serial No. 42,234
1 Claim. (Cl. 52—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A priming consisting of normal lead dinitroresorcinate.
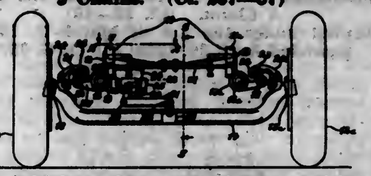
2,116,515
**BRAKE**
Jesse G. Hawley, Painted Post, N. Y., assignor to Hawley-Jones Corporation, Riverside, N. Y., a corporation of New York
Application November 20, 1933, Serial No. 698,782
20 Claims. (Cl. 188—78)



1. In a brake, the combination of a drum, a full floating brake shoe of substantially uniform cross section throughout its length for cooperation therewith, a creeping brake lining therebetween, means for applying said brake shoe, an anchorage for the brake shoe, supported intermediate the depth of the drum to equalize the torque on the anchorage and a floating connection between the anchorage and the brake shoe, said floating connection comprising pivot pins carried by the anchorage and open ended links carried by the brake shoe for abutment against said pivots.

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2,116,516
**VEHICLE SPRING SUSPENSION**
Albert F. Hickman, Eden, N. Y., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y., a corporation of New York
Application November 10, 1936, Serial No. 752,488
5 Claims. (Cl. 267—57)



1. A vehicle spring suspension comprising: a vehicle frame; a supporting pivot resiliently connected with said frame; a spindle having a wheel journaled thereon; a link pivoted at its upper end on said spindle and at its lower end on said supporting pivot and extending upwardly and inwardly from said supporting pivot; and a shock absorber interposed between said spindle and said frame and adapted to resist horizontal movement of said spindle relatively to said frame.

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2,116,517
**STIMULATION OF MOLD GROWTH**
Willis S. Hinegardner, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 20, 1936, Serial No. 64,926
2 Claims. (Cl. 195—77)

1. A process of stimulating the growth of molds which comprises subjecting said molds during

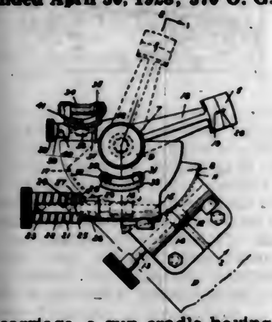
growth in a suitable medium to the action of hydrogen peroxide in amounts ranging from 0.01 to 0.08% by weight, based on the weight of the nutrient medium.

2,116,518
**REINFORCING JACKET FOR SOCKET SHELLS**
Harvey Hubbell, Jr., Bridgeport, Conn., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application June 10, 1935, Serial No. 25,774
3 Claims. (Cl. 173—362)



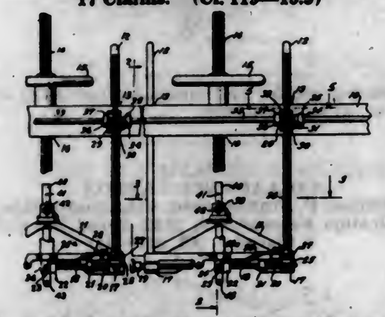
1. In an electric socket, a metal cap, a thin metal shell partly telescoping with said cap, interengaging means on the shell and cap for detachably holding them in such relation, an external shoulder on the cap at one side of said telescoping joint, an external shoulder on the shell at the other side of and in substantially spaced relation to said joint, a metal ring including a portion engaging the shoulder of the cap, a metal jacket enclosing a substantial portion of the shell and including a portion engaging the external shoulder of the shell, and said jacket and ring screw threaded together to draw their portions tight against the shoulders of the cap and shell whereby to protect the shell and hold the latter and the cap against casual separation.

2,116,519
**INDEPENDENT ELEVATION INDICATOR FOR GUNS**
James C. Karnes, Buffalo, N. Y.
Application March 20, 1935, Serial No. 12,035
1 Claim. (Cl. 33—48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A gun carriage, a gun cradle having trunnions in the carriage, a first pointer fixed to one of the trunnions and movable therewith, a rocker having a hub mounted on the trunnion and provided with a slot concentric of the trunnion axis, a scale of angular measurements on the rocker adjacent the slot, a segmental gear rotatably mounted on the hub of the rocker and including a second pointer adapted to be aligned with the first pointer, a pin on the gear riding in the slot of the rocker and bearing an index readable against the scale, a shaft mounted in the rocker and meshing with the gear, a scale in terms of linear measurements and a scale in terms of angular measurements on the shaft, a spirit level on the rocker and mounted to be sensitive to rotations thereof about the trunnion axis, means for angularly displacing the spirit level on the rocker by measurable amounts, and means on the carriage for angularly displacing the rocker about the trunnion axis to center the bubble of the spirit level.

2,116,520
**DOG STARTING APPARATUS**
Thomas A. Keen, San Mateo, Calif., assignor to Hannah M. Smith, River Forest, Ill.
Application July 21, 1934, Serial No. 736,307
17 Claims. (Cl. 119—15.5)



1. A dog starting apparatus comprising a harness having spaced apart ring members thereon, a frame, a stationary bar supported at one end on said frame and extending lengthwise of the harness for receiving one of said rings, and a latch means to secure the other of said rings.

2,116,521
**HAIR DYEING METHOD AND COMPOSITION**
Wolf Kritchevsky, Chicago, Ill., assignor to Rit Products Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application May 7, 1934, Serial No. 724,393
12 Claims. (Cl. 167—88)

1. The method of dyeing hair which comprises treating the hair with a composition including an organic dye and a chemical having the nucleus



7. A hair dyeing composition comprising an organic dye and a chemical compound having the nucleus

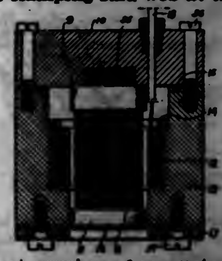


said chemical compound being devoid of carboxyl or sulphonic acid groups and salts thereof.

2,116,522
**COMPRESSIONAL WAVE SENDER AND RECEIVER**
Willy Kunse, Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application December 5, 1933, Serial No. 701,012
In Germany January 7, 1933
7 Claims. (Cl. 177—386)

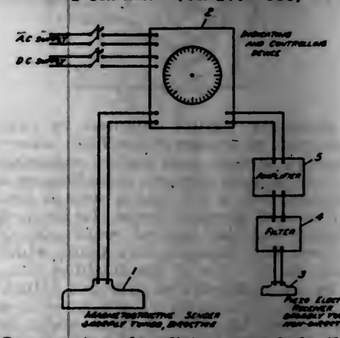
1. Apparatus for producing and receiving high-frequency compressional waves in water comprising a casing having an opening at one end, a mass positioned in said opening and substantially filling the same, means supporting said mass in said position comprising a thin web supporting said mass, means clamping said web at the end of the





casing, a great number of magnetostrictive rods substantially covering one surface of said mass, a coil surrounding said rods and means supporting said coil within said casing.

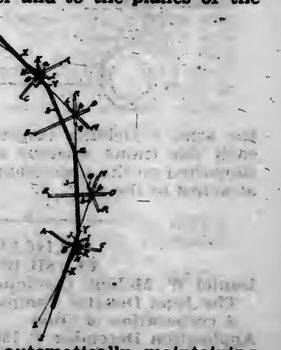
2,116,523
**SYSTEM AND METHOD OF DISTANCE AND DEPTH MEASUREMENT**
Willy Kunse, Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application December 8, 1933, Serial No. 701,507
In Germany March 18, 1933
4 Claims. (Cl. 177—386)



1. In a system for distance and depth measurement comprising, in combination, a sharply tuned high frequency compressional wave beam transmitter adapted to transmit a high frequency beam of compressional waves, a piezo-electric receiver having a broad resonance within the range of the transmitter and adapted to receive compressional wave energy substantially from all directions, means operatively connected with said receiver for filtering out all compressional wave energy received below the frequency of the transmitter, amplifying means for amplifying the compressional waves of the transmitted frequency and means operatively connected both to said amplifier and said transmitter for controlling the moment of operation of the transmitter and responsive to the energy impressed by the amplifier for indicating the instant of the receipt of the compressional wave.

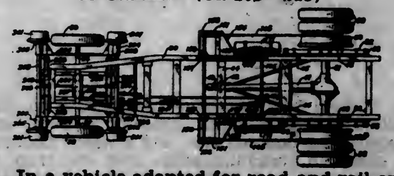
2,116,524
**LIGHT RAY DEFLECTOR**
Percival Franklin Little, Lyon Park, Va.
Application October 30, 1935, Serial No. 47,346
3 Claims. (Cl. 88—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A set of mirrors pivotally joined end to end and having end sections pivotally connected to the end mirrors, each end section comprising parallel upper and lower members pivoted to the upper and lower edges respectively of the corresponding end mirror, the pivoted connections being all parallel to each other and to the planes of the



mirrors, means for automatically maintaining the angles between consecutive mirrors equal to each other and the angle between each end section and the adjacent end mirror equal to one-half of the angle supplemental to the angle between the end mirror and the adjacent mirror when said set is flexed.

2,116,525
**MOTOR-RAIL VEHICLE**
Milton A. Luce, San Francisco, Calif.
Application February 12, 1936, Serial No. 63,598
19 Claims. (Cl. 105—215)

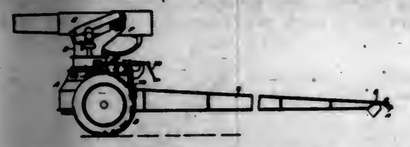


1. In a vehicle adapted for road and rail operation having a frame, an axle housing, driving axles therein, and separate road and rail wheels, the combination of eccentric anchor plates rotatably mounted on said housing, means for mounting one each of a matched pair of said wheels on said plates, means for mounting the other pair of wheels concentric with said driving axles, means for selectively driving one or the other of said pair of wheels, depending upon which pair is in lowered tractive position and means attached between said frame and said anchor plates for controlling movement of the latter about said housing.

2,116,526
**GUN CARRIAGE**
Victor F. Lucht, Aberdeen, Md., and Elmer C. Geebert, United States Army, Philadelphia, Pa.
Application March 20, 1936, Serial No. 69,864
8 Claims. (Cl. 89—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a gun carriage, a mobile unit including an axle, parallel side frames rotatably mounted on the ends of the axle, a yoke plate slidably engaging each side frame, a pair of screw jacks carried by each side frame and engaging the yoke

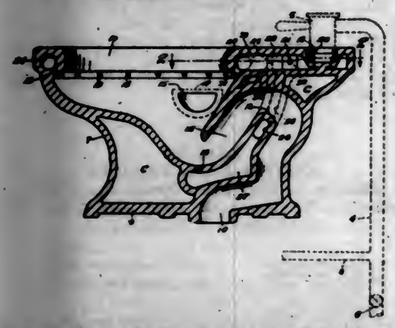
plate, an arm pivotally mounted on each yoke plate, a wheel on each arm, a link on the lower end of each arm and having positions of engagement with the yoke plate to the front and rear of



the arm, a yielding suspension unit carried by each side frame whereby a gun mount may be supported on the suspension units and removably attached to the axle.

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2,116,527
**FLUSH BOWL**
Daniel W. McNeil, Cincinnati, Ohio, assignor to The John Douglas Company, Cincinnati, Ohio, a corporation of Ohio
Application December 7, 1934, Serial No. 756,491
13 Claims. (Cl. 4—70)

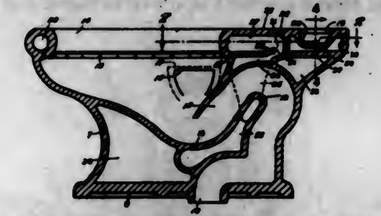


1. A flush bowl structure comprising in combination a bowl element including a water trap, an apertured flushing rim, and a waste discharging outlet in communication with the trap, the bowl element and trap being so related as to maintain a predetermined normal level of water in the bowl element, said bowl element having a relief port therein located to conduct excess water from the bowl element before the water level can reach the flushing rim, a fresh water intake port for directing flushing water into the flushing rim, and an air intake chamber providing direct communication between the atmosphere and the fresh water intake port.

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2,116,528
**FLUSH BOWL STRUCTURE**
Daniel W. McNeil, Cincinnati, Ohio, assignor to The John Douglas Company, Cincinnati, Ohio, a corporation of Ohio
Application January 12, 1935, Serial No. 1,517
12 Claims. (Cl. 4—70)

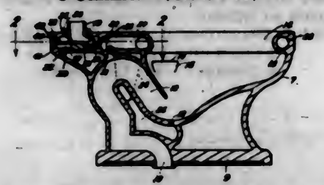
1. A flush bowl structure comprising in combination a bowl element including a waste discharge outlet in communication therewith, a flushing rim, and a normally submerged jet located to direct flushing-water upwardly into the waste discharge outlet, a passage for conveying flushing water to the jet, a flush-water inlet having a small nozzle for high-pressure ejection of a solid stream directly into the jet passage whereby to produce a high-pressure jet stream in the waste discharge outlet, a portion of the jet passage being constricted to convey only part of the high-pressure stream, and a flushing rim supply passage for receiving the low-pressure overflow from



the jet passage and for delivering said overflow to the interior of the bowl element to cleanse the side walls thereof.

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2,116,529
**FLUSH BOWL STRUCTURE**
Daniel W. McNeil, Cincinnati, Ohio, assignor to The John Douglas Company, Cincinnati, Ohio, a corporation of Ohio
Application April 20, 1936, Serial No. 75,336
3 Claims. (Cl. 4—70)

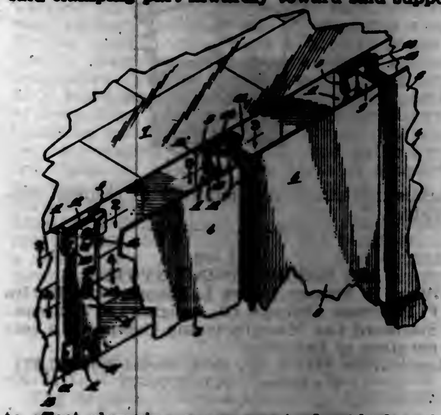


1. A plumbing fixture adapted to preclude back-siphonage of sewage into a flush water supply connected thereto, said fixture comprising in combination, a bowl element including an apertured flushing rim, a jet, and a sewage overflow port in the bowl element below the level of the rim, a hollow top slab located rearwardly of the bowl element and disposed in a plane which includes the upper edge of the flushing rim, said slab having an inclined wall provided with a port for feeding an abundance of atmospheric air to the space below the slab, a flush water supply spud including a nozzle disposed below the slab at an angle to the plane of the slab, a jet supply passage including a mouth spaced from the nozzle, said nozzle and mouth both being located below the level of the flushing rim, an apertured wall between the nozzle and said mouth, said aperture being axially aligned with the nozzle and mouth, and baffle means spaced from the spud and extending substantially about the nozzle portion of the spud to intercept any water or spray directed toward said air feeding port.

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2,116,530
**BUILDING STRUCTURE**
Frank E. McCabe, Shaker Heights, Ohio, assignor to The Grabler Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 1, 1935, Serial No. 24,520
6 Claims. (Cl. 189—35)

5. A building structure, comprising: a support; securing means having a portion spaced outwardly from said support; facing means adapted to rest against the outer surface of said spaced portion; a clamping part carried by said securing means inwardly of said spaced portion and having means extending outwardly of said spaced portion and engageable with said facing means; and actuating means carried by said securing means for moving said clamping part inwardly toward said support



to effect clamping engagement of said clamping part.

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2,116,531
**BUILDING STRUCTURE**
Frank E. McCabe, Shaker Heights, Ohio, assignor to The Grabler Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 1, 1935, Serial No. 24,521
2 Claims. (Cl. 189—35)



2. A building structure of the character described, comprising: a support; a plurality of facing members, each having an intermediate portion, an angular web portion, and a marginal flange portion, said facing members being arranged with respect to said support so as to present the angular webs thereof in juxtaposed spaced relation, each of the angular webs having a slot therein; hollow channel-shaped securing means fixedly connected to said support, having flange portions adapted to rest against said support, and having its web disposed outwardly with respect to said support, and against which the said facing members are adapted to bear; and holding means, comprising a screw threaded into the web of said securing means, and carrying a clamping element engageable within the slots in said webs to hold the facing members in position with respect to said support.

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2,116,532
**BUILDING STRUCTURE**
Frank E. McCabe, Shaker Heights, Ohio, assignor to The Grabler Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 1, 1935, Serial No. 24,522
4 Claims. (Cl. 189—35)



4. Securing means of the character described, comprising: a securing member, channel-shaped in cross-section, having an intermediate portion, marginal webs, and spaced overhanging flanges on said webs, said flanges being slotted to facilitate insertion of holding means therebeneath; and holding means separable with reference to said securing member, having a portion insertable through the slotted portions of said flanges, and shiftable to engage beneath said flanges, and having means extending outwardly between said overhanging flanges, and outwardly of said flanges carrying a clamping member, said holding means being so constructed and arranged as to be operable to cause approach of said clamping member toward said overhanging flanges.

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2,116,533
**BUILDING STRUCTURE**
Frank E. McCabe, Shaker Heights, Ohio, assignor to The Grabler Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 1, 1935, Serial No. 24,523
10 Claims. (Cl. 189—35)



9. A device for securing a facing member to a support, said device including a first wall having a portion presenting a continuous surface, adapted to be secured to said support, and a spaced wall connected with, and overhanging the continuous surface portion of said first wall, said spaced wall being adapted to receive therebeneath projecting means of said facing member; and holding means interposed between the continuous surface portion of said first wall and said inserted projecting means, and bearing upon said continuous surface, said holding means being shiftable as a unit to any position with reference to the continuous surface of said first wall, and constructed and arranged to be elongated between said continuous surface and said projecting means and thereby to clamp the latter in position, said holding means including means projecting exteriorly of said overhanging spaced wall, and accessible for manipulation to loosen or tighten said holding means.

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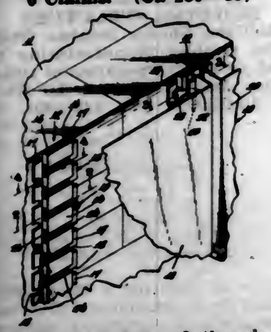
2,116,534
**BUILDING STRUCTURE**
Frank E. McCabe, Shaker Heights, Ohio, assignor to The Grabler Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 7, 1935, Serial No. 25,458
11 Claims. (Cl. 189—35)



11. A building structure of the character described, comprising: a support; elongated securing means fixedly connected to said support, having a wall extending outwardly from said support, and a connected wall spaced from said support and extending substantially parallel to said support, said outwardly extending wall having a cut-out portion therein, and said substan-

tially parallel wall having a laterally extending slot therein communicating with said cut-out; a facing member adapted to be secured outwardly of said securing means; a connecting member insertable through said cut-out into bearing relation with said securing means; and fastening means engageable with said facing member and connectible to said connecting member.

2,116,535
**BUILDING STRUCTURE**
Frank E. McCabe, Shaker Heights, Ohio, assignor to The Grabler Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 7, 1935, Serial No. 25,459
Renewed January 28, 1937
6 Claims. (Cl. 189—35)



2. A building structure of the character described, comprising: a support; elongated securing means fixedly connected to said support, having a wall extending outwardly from said support, and a connected wall spaced from said support and extending substantially parallel to said support, said outwardly extending wall having a cut-out portion therein, and said substantially parallel wall having a transversely extending slot therein communicating with said cut-out; a facing member adapted to be secured outwardly of said securing means; a connecting member insertible through said cut-out into bearing relation with said securing means; a screw threaded into said connecting member and extending outwardly through said slot; and clamping means carried by said screw, and engageable with said facing member to secure the same to said securing means when said screw is tightened.

2,116,536
**CELLULOSE COMPOSITION MATERIALS**
Ralph H. McKee, Reno, Nev., assignor, by mesne assignments, to Cellu-Type Plate Co., Inc., Union City, N. J., a corporation of New York
No Drawing. Application August 27, 1931, Serial No. 559,778
7 Claims. (Cl. 106—37)

1. A hardenable composition for forming printing plates comprising predetermined proportions of cellulosic materials of different viscosity, and a sufficient amount of an organic plasticizer to render the cellulosic materials non-brittle, the composition having a viscosity in excess of ten seconds.

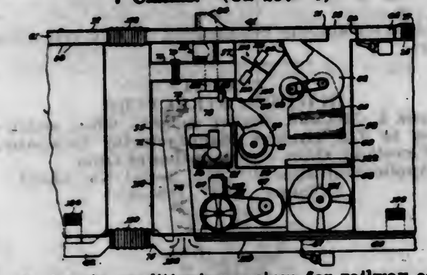
2,116,537
**FILTER**
James R. Miller, Pittsburgh, Pa.
Application June 2, 1936, Serial No. 83,305
5 Claims. (Cl. 210—264)

1. A filter comprising a homogeneous mass of permeable material in the form of a plurality of pellets individually formed from a mixture of



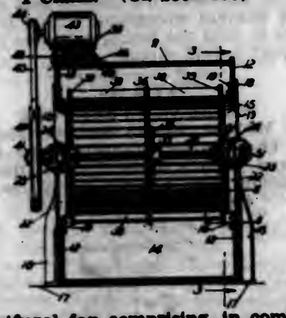
fibrous material and a plurality of resilient elements.

2,116,538
**AIR CONDITIONING SYSTEM**
William H. Massey, Frank L. Murphy, and Hartin F. Petersen, Chicago, Ill., assignors to Pullman-Standard Car Manufacturing Company, a corporation of Delaware
Application March 26, 1934, Serial No. 717,421
7 Claims. (Cl. 257—7)



1. An air conditioning system for railway cars comprising a conditioning chamber, upper and lower ducts in communication with the space to be conditioned and with the conditioning chamber, heating and refrigerating units in series with the ducts and the chamber, a blower for each of said units, one for circulating air through the ducts and the chamber in one direction, and the other for circulating air through the ducts in the other direction, and means for by-passing the air around the blower not in operation.

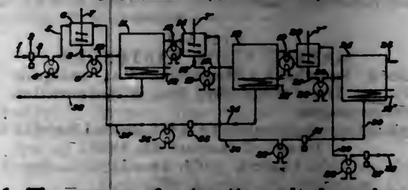
2,116,539
**BLOWER WITH ADJUSTABLE HOUSING**
Raymond L. Payne and Burton B. Dunn, Denver, Colo.
Application September 16, 1935, Serial No. 40,710
1 Claim. (Cl. 230—133)



A centrifugal fan comprising, in combination, a fan housing having a spirally curved outer wall provided with a discharge opening, the housing having end walls provided with alined circular openings, the two end walls being substantially parallel, an annular support for each end wall, each support having means for engaging a supporting surface and having a circular flange of greater diameter than the opening in the corresponding side wall, each support having circularly positioned means for engaging the surface of the side wall surrounding the opening therein, clamping means carried by the supporting member for engaging the side of the end wall opposite the flange to hold the two parts in assembled position while permitting the housing to be turned relative to the supports, a self alining bearing carried by each support, a shaft extending through the housing and the bearings, and a fan carried on the shaft, the said clamping means serving to hold the housing and supports in rotatably adjusted position.

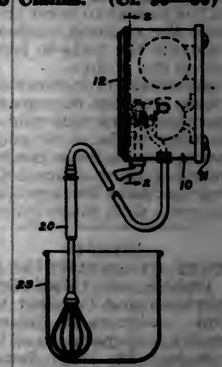


2,116,540
**HYDROCARBON OIL TREATMENT**
Oscar L. Roberts, Merwood Park, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 3, 1934, Serial No. 751,315
5 Claims. (Cl. 196—13)



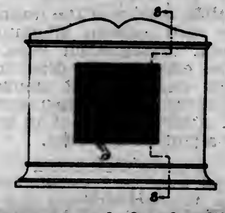
1. The process of extracting a hydrocarbon oil with a selective solvent, which comprises passing oil in countercurrent contact with the solvent through a plurality of extraction zones while maintaining the temperature in two non-adjacent zones substantially uniform with respect to one another and the temperature in a zone located between said two non-adjacent zones substantially different from the temperature in either of said two non-adjacent zones.

2,116,541
**METHOD FOR AERATING LIQUIDS**
Leo Roush, Beaver, and Curtis Riedel, New Brighton, Pa., assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application July 30, 1934, Serial No. 737,552
5 Claims. (Cl. 99—60)



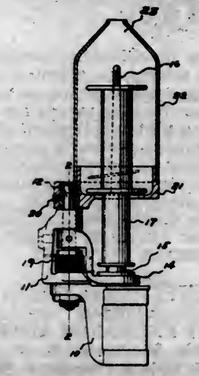
1. Process of aerating a liquid foodstuff, such as the whipping of cream which comprises introducing air into the liquid in streams of predetermined small size, and simultaneously effecting relative movement between the liquid and said streams to effect control of the formation of bubbles and to introduce the air into the liquid in minute streams of finely divided bubbles capable of effecting the desired whipping action themselves, the movement being incapable of effecting a whipping action.

2,116,542
**ADVERTISING DEVICE**
James E. Sayre, New York, N. Y.
Application November 11, 1936, Serial No. 110,198
14 Claims. (Cl. 40—137)



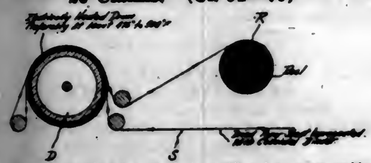
1. A device composed of a plurality of grids disposed adjacent to each other and one behind another, each grid consisting of slats and having spaces between the slats, the slats of one grid being non-parallel to the slats of another grid, and a light background behind such plurality of grids, capable of creating in a passer-by an illusion of animation, placed in association with an advertising display so that the attention of a passer-by may be attracted by the device and directed to the advertising display.

2,116,543
**BOBBIN ENCLOSURE FOR TEXTILE TWISTING MACHINES**
Walter L. Schantz, Scranton, Pa., and Arthur L. Lewis, New London, Conn., assignors to The Atwood Machine Company, Stonington, Conn., a corporation of New Jersey
Application June 11, 1937, Serial No. 147,702
4 Claims. (Cl. 118—11)



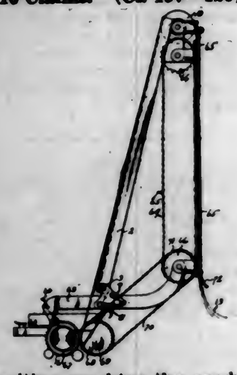
1. Spindle enclosing means for twisting machines comprising in combination, a spindle bracket, a shaft supported in said bracket for oscillatory movement upon a vertical axis, a swinging member secured to said shaft, a ring-like base member secured to said shaft, and a spindle enclosure detachably secured to said base member.

2,116,544
**METHOD OF ENHANCING THE WET-STRENGTH OF PAPERS**
Milton O. Schur, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
Application August 4, 1936, Serial No. 94,157
20 Claims. (Cl. 91—70)



10. In a method involving the impregnation of a fibrous base with aqueous albuminous binder composition and drying such base, that step which comprises exposing the dried impregnated base containing only a small amount of such binder momentarily to a temperature of about 400° to 650° F. in the presence of an insolubilizing agent for said albuminous binder.

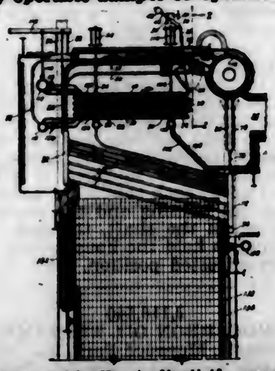
2,116,545
**MANIFOLDING ATTACHMENT**
John Q. Sherman and Albert W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman
Application December 23, 1933, Serial No. 703,694
16 Claims. (Cl. 197—126)



1. In a writing machine the combination of a positive feeding means for aligning and feeding a plurality of superposed strips of record material and a friction feeding means for feeding the record material, a platen roll associated with one of said feeding means around a portion of which the record material is fed circumferentially, and a guide intermediate said feeding means for causing the record material to follow a curvilinear path wherein the displacement of one sheet with respect to another caused by the curvature of the platen is compensated.

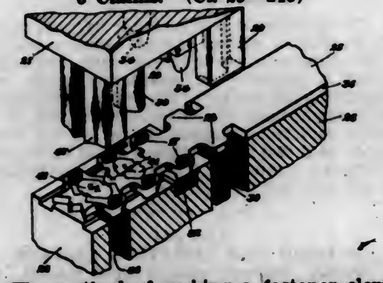
2,116,546
**FLUID HEAT EXCHANGE APPARATUS**
Charles S. Smith, Westfield, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application March 29, 1935, Serial No. 13,694
3 Claims. (Cl. 122—480)

1. In a drainable super-deck superheater for a single pass B. & W. boiler, a first baffle extending across the tubes of the superheater and separating first and second gas passes, a second baffle supported by the superheater tubes in the second gas pass and spaced from the first baffle, and a manually operable damper co-operating with the



first and second baffles to limit the opening of the second pass and to vary the total weight of the gases contacting with the superheater tubes in the second gas pass.

2,116,547
**MAKING SLIDE FASTENERS**
Gideon Sundback, Meadville, Pa., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania
Application September 10, 1932, Serial No. 632,493
Renewed August 12, 1937
6 Claims. (Cl. 29—148)

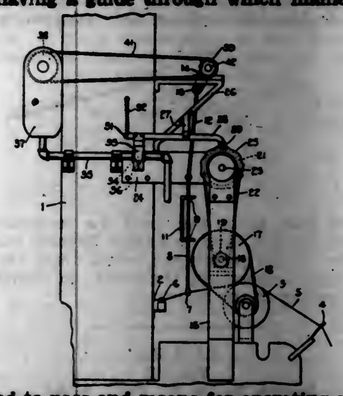


1. The method of making a fastener element having a pronged attaching portion which consists in operating on a blank by forming the element including punching a body of material out of the blank to form the prongs, replacing the body between the prongs to cover their inner surfaces, finishing the exposed surface of the element and removing the body to leave unfinished inner surfaces on the prongs.

6. A twin assemblage of fastener elements having pronged base portions facing each other and a separate member connecting said elements and covering the inner surfaces of said prongs, the outer surfaces of the fastener element being exposed, said member being adapted to be removed after finishing the outer surfaces to provide two individual elements with rough inner surfaces.

2,116,548
**MANUFACTURE OF ARTIFICIAL FILAMENTS, YARNS, OR THREADS**
William Whitehead and Canfield Hutson, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application August 14, 1936, Serial No. 95,972
9 Claims. (Cl. 18—8)

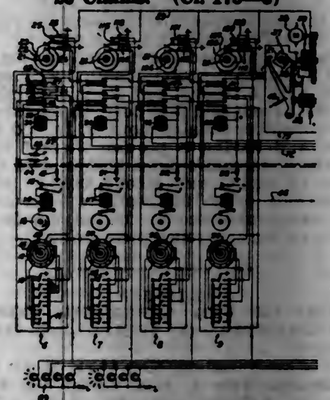
1. Apparatus for the production of filaments having appreciable variations in denier along the length thereof, comprising a reciprocating member having a guide through which filaments are



caused to pass and means for operating said reciprocating member, said means including a motor and means for causing the intermittent operation of said motor.



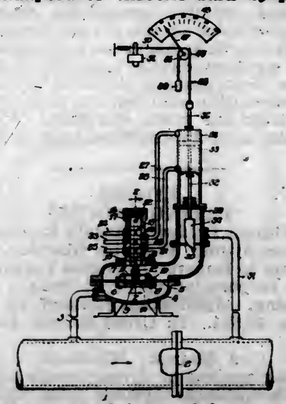
2,116,549
**TELEGRAPH SYSTEM**
Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application February 16, 1935, Serial No. 6,815
Renewed August 25, 1937
23 Claims. (Cl. 178—3)



1. In a telegraph system, a plurality of transmitters, a sequence switch for rendering said transmitters effective in rotation, a starting circuit for said sequence switch extending from said sequence switch to all of said transmitters, and tape controlled switches one at each of said transmitters for closing said starting circuit.

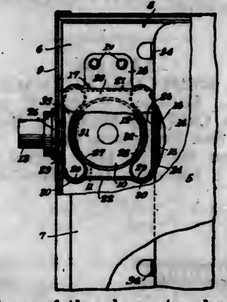
2,116,550
**FLOW-RESPONSIVE DEVICE**
Samuel L. Adelson, Chicago, Ill., assignor, by mesne assignments, to Infilco Inc., a corporation of Delaware
Application January 16, 1936, Serial No. 59,346
5 Claims. (Cl. 73—194)

1. An apparatus for metering fluid flow comprising, in combination, a device for creating a pressure differential from the flow, a by-pass conduit aroumd said device for a by-pass flow created by said pressure differential, a movable member adapted to throttle said by-pass flow,



and means governed by said by-pass flow for actuating said movable member to throttle said by-pass flow to a constant value, said movable member by its position manifesting the rate of said fluid flow.

2,116,551
**CAMERA ADAPTED TO TAKE MOTION PICTURES AND STILL PICTURES**
Harry Abrams, Brooklyn, N. Y.
Application January 16, 1937, Serial No. 120,965
2 Claims. (Cl. 88—19.3)



1. A light trap of the character described comprising a housing positioned to surround a barrel shutter, oppositely curved members flanking said shutter, reentrantly curved end portions on the mentioned members, and curved seats in said housing for engagement with said reentrantly curved portions to maintain said members in spaced relation to the shutter.

2,116,552
**CATALYTIC HYDROGENATION OF CARBOXYLIC ACIDS, THEIR ESTERS AND ANHYDRIDES**
Herrick R. Arnold, Elmhurst, and Wilbur A. Lazier, New Castle County, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 6, 1936, Serial No. 67,506
21 Claims. (Cl. 260—156)

1. In the process for catalytically hydrogenating or dehydrogenating an organic compound se-

lected from the group consisting of carboxylic acids, their esters, and their anhydrides, the step which comprises carrying out said catalytic reaction in the presence of a hydrogenating-dehydrogenating catalyst comprising essentially a member selected from the group consisting of the ferrous group, their oxides and chromites, modified by a member selected from the class consisting of the metal and the chromite of a low-melting hydrogenating non-ferrous metallic element selected from the group consisting of cadmium, indium, tin, mercury, thallium, lead, and bismuth.

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2,116,553

## DYEING PROCESS

Alfred William Baldwin, Harold Blackshaw, and Clarence Sydney Woolvin, Blackley, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application January 23, 1936, Serial No. 60,524. In Great Britain January 24, 1935

3 Claims. (Cl. 8—5)

1. In the process of dyeing textile material of wool with insoluble dyeings from dyes of the group consisting of indigo, lactam and chrome dyes, the step which comprises applying the dyestuff to the material in conjunction with an olefine monocarboxylic acid ester of polyglycerol which is obtainable by condensing glycerol and an acid from the group consisting of oleic acid and the fatty acids from natural oils which contain oleic acid as the main fatty acid constituent, in the presence of a small amount of potassium hydroxide and water at temperatures between 280° and 290° C. until a soluble product of condensation is formed, said glycerol and acid being in the proportion of 400 to 800 parts of glycerol to 120 parts of the acid.

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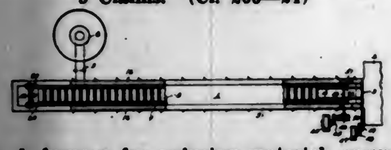
2,116,554

## REDUCING FURNACE

Howard B. Bardue, deceased, late of San Francisco, Calif., by Maude E. Bardue, administratrix, San Francisco, Calif.

Application May 10, 1937, Serial No. 141,587

5 Claims. (Cl. 266—24)



1. A furnace for reducing material, comprising an elongated tunnel having spaced rails extending lengthwise therethrough, cylindrical containers for material adapted to be supported on the rails, the containers having axial hubs, and means engaging the hubs for advancing the containers.

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2,116,555

## METHOD OF MAKING FABRICATED ARTICLES

Charles F. Barothy, Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 6, 1936, Serial No. 83,843

5 Claims. (Cl. 29—155.5)

1. A fabricated switch hook mounted in a housing on a base plate for supporting a telephone receiver and actuating a switch to indicate the position of the receiver, comprising a plurality of formed steel punchings having interlocking body portions welded together, a steel shaft welded axially to the end of the interlocking portion opposite the hook, a sector of a steel annulus welded to the interlocking body portion to engage the base plate and limit the movement of the switch hook, and a flange formed integral with one of the punchings, offset from the annulus and cooperating therewith to shield the shaft opening in the housing.



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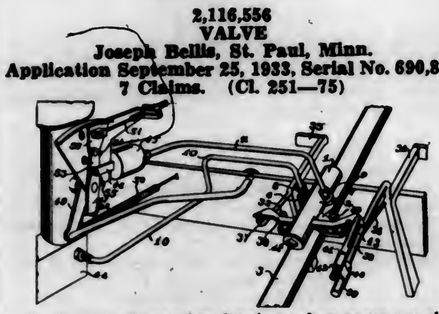
2,116,556

## VALVE

Joseph Bellis, St. Paul, Minn.

Application September 25, 1933, Serial No. 690,876

7 Claims. (Cl. 251—75)



1. A control member having a low pressure side and a controlled pressure side, a cylinder, a slidable element mounted therein and having a port therein in constant communication with said low pressure side, a second port in said slidable element offset from said first port, an operator controllable member slidably mounted in said slidable element and having a portion thereof movable with respect to said second port in said slidable element to expose said second port to said low pressure side or to atmospheric pressure, and spring means mounted to control the degree of pressure on the controlled pressure side.

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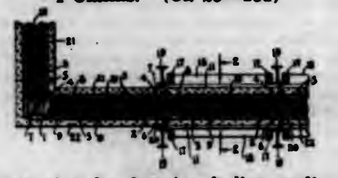
2,116,557

## METHOD OF AND APPARATUS FOR THE CONSTRUCTION OF WALLS AND SIMILAR FORMS

Karl P. Billner, New York, N. Y.

Application July 2, 1936, Serial No. 88,665

4 Claims. (Cl. 25—131)



3. Apparatus for forming hollow walls or the like comprising in combination, vertical uprights, sheets of thin impervious material stretched across such uprights in substantially parallel relationship, two forms spaced apart from the exposed faces of said sheets and means for applying a powerful suction to the inner surfaces of said forms.



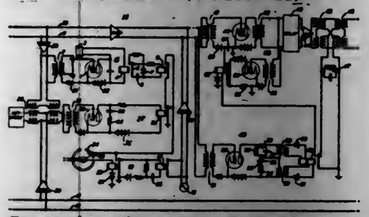
2,116,558

## SIGNAL CONTROL CIRCUITS

Björn G. Björnson, Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 11, 1935, Serial No. 20,965

16 Claims. (Cl. 178—44)



12. In combination, a signal transmission line having signal currents transmitted thereover, a transmitting station, a source of control current at said station having a frequency within the frequency range of the transmitted signal currents, means at said station under control of the signals on the line from said station for transmitting an impulse of said control current between signals representing words in an uninterrupted transmission of speech, a receiving station, and means at said receiving station responsive only to a transmitted impulse of control current free from signal currents for adjusting the net loss on the line at the receiving station.

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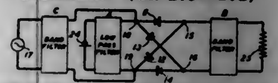
2,116,559

## MODULATING SYSTEM

Robert S. Caruthers, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application May 3, 1934, Serial No. 723,691. Divided and this application August 8, 1935, Serial No. 35,229

4 Claims. (Cl. 179—171)



1. A modulating system comprising four rectifiers serially connected in a closed loop in the manner of a Wheatstone bridge, said rectifiers being so poled that each is flanked by two adjacent rectifiers, the conductive directions of which are opposed to one another around the loop, a source of carrier waves connected in that diagonal of the bridge determined by the two corners each lying between adjacent rectifiers whose conductive directions around the loop are the same and a signal source and a load circuit connected to the bridge in conjugate relationship to each other, the peak voltage impressed upon the rectifiers by the carrier source being several times the peak voltage impressed upon the rectifiers by the signal source, whereby modulation is accomplished by a full-wave rectifying action of the bridge substantially under the control of the carrier wave.

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2,116,560

## BEDPAN COVER AND CUSHION

Laura A. Chambers, St. Louis, Mo.

Application December 31, 1936, Serial No. 118,502

7 Claims. (Cl. 4—113)

1. A bed pan cover comprising a flat approximately doughnut-shaped upwardly facing member having a flexible outer periphery and a flexible inner periphery, the zone between said peripheries varying in width, the widest portion being adjacent one end of the member, and the sides of the inner periphery converging towards each other from the wider portion of said member to the opposite end thereof, and a band depending from the outer periphery of said member, said band being of elastic material constructed and arranged



to be stretched about the side wall of a bed pan to which the cover is applied and said member being of elastic material throughout its inner periphery and constructed and arranged to be stretched over the top of a bed pan with its inner periphery following the line of the upper opening in the bed pan substantially throughout the length thereof.

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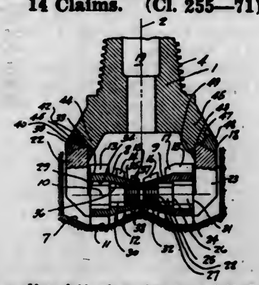
2,116,561

## ROLLER BIT STRUCTURE

Roland R. Crum, Whittier, Calif., assignor of one-fourth to Edwin A. Perkins and three-eighths to Frank W. Brainard, both of Whittier, Calif.

Application March 18, 1935, Serial No. 11,650

14 Claims. (Cl. 255—71)



1. In a roller bit structure, a bit frame, a pair of arms attached thereto, a transverse pin support secured to the arms, and roller cutters rotatably supported on the pin support, said pin support including a pair of radially inwardly extending members, secured respectively to the arms, and a central coupling member secured to the inner ends of the radially extending members to prevent relative movement of said members.

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2,116,562

## SOLDERING IRON

Victor I. Cruser, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 2, 1935, Serial No. 29,440

2 Claims. (Cl. 219—26)

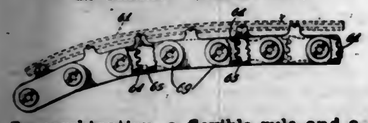


1. In a soldering tool, the combination with a support provided at one end with a handle and at

its opposite end with fastening means and a heating element, of a tip having a portion for engaging said fastening means and adapted to be heated by said heating element, said tip having a portion formed with a plurality of parallelly disposed heat applying members of different lengths for collectively engaging sets of criss-crossing conducting elements adjacent to their intersecting points for joining them by soldering, the distance from the first-mentioned portion of said tip to each of said heat applying portions being substantially equal.

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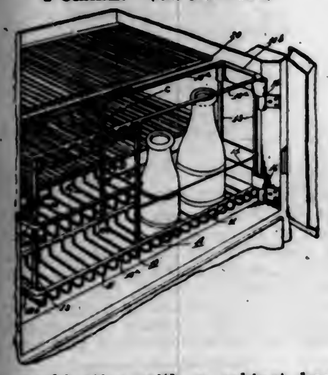
2,116,563
**ADJUSTABLE CURVED RULER**
Archibald G. Danielson, Riverside, Ill.
Application March 15, 1937, Serial No. 130,818
12 Claims. (Cl. 33—177)



1. In combination, a flexible rule and a chain of levers to control its contour, each lever having two pivots spaced apart and connecting it respectively with two similar levers, the latter having their mutually adjacent ends formed with inter-meshing gear teeth, and means by which levers of the chain are slidably engaged with said flexible rule at intervals in its length.

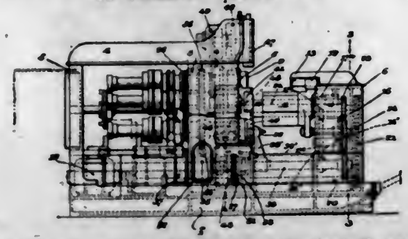
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2,116,564
**MOVABLE CARRIER FOR STORAGE CABINETS**
Charles R. D'Olive, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application November 11, 1935, Serial No. 49,139
4 Claims. (Cl. 312—184)



1. In combination with a cabinet having a shelved storage compartment with a door giving access thereto which, at closed position, is spaced forwardly of the forward edge of one shelf, an upper shelf extending close to the inner face of said door, and a carrier movably mounted on the cabinet structure, dimensioned to occupy the space in front of the first-mentioned shelf and immediately below the other shelf when the door is closed, but movable out of said space when the door is opened, said carrier comprising an upwardly open space which is rendered accessible only when the carrier is moved from its position under the upper shelf of the compartment.

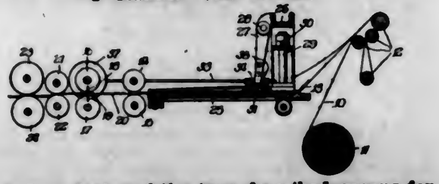
2,116,565
**METALWORKING MACHINE**
Alfred E. Driesner, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application August 21, 1936, Serial No. 97,157
45 Claims. (Cl. 29—37)



1. In a machine of the class described, the combination of a pair of upright housings spaced apart and forming an open top type machine, an indexable work holder or spindle carrier mounted in one of said housings, rotary work spindles carried by said carrier, an axially supported reciprocating tool slide located between said housings, chucking and feeding mechanisms for the rotary work spindles, and actuating means including a change speed gear box located behind the spindle carrier housing and underneath the chucking and feeding mechanisms.

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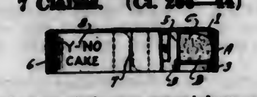
2,116,566
**BAG MACHINE**
William H. Engel, Mount Vernon, Ohio, assignor to Shellmar Products Company, Chicago, Ill., a corporation of Delaware
Application May 18, 1933, Serial No. 671,672
Renewed September 28, 1936
4 Claims. (Cl. 93—19)



1. In a device of the type described, means for forming a tube from a continuous web of bag-forming material, means for progressing said tube at variable speeds, upper and lower cutting rolls for operation on said tube, a cutting shoe reciprocably mounted within said tube and traveling with said tube between said cutting rolls at the time the latter are in operable position, and driving means for said cutting rolls, including a pair of intermeshing adjustable complementary elliptical gears.

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2,116,567
**CONTAINER**
Henry L. Freund and William L. R. Menges, St. Louis, Mo.
Application January 31, 1936, Serial No. 61,689
7 Claims. (Cl. 206—44)



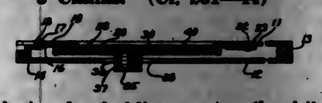

7. A display container comprising, a sidewall of annular band-like form of unbroken continuity



throughout its periphery having a plurality of elongated peripherally extending slots extending substantially circumferentially adjacent to one edge, a bottom member of disc-like form within the sidewall member having a peripheral length greater than the peripheral length of said sidewall member, and also having portions of its edge received and protruding through said slots and intermediate portions of its edge disposed convexly in engagement with the wall member, a sheet of covering material placed over the top edge of the sidewall member and having marginal portions extending downwardly over said sidewall and in registration with the protruding edges of the bottom member, and an outer cover retaining band having a width substantially equal to the width of the sidewall telescopically fitted down over the sidewall portion to hold the marginal edges of the cover sheet against the wall member and to conceal said wall member and the slots and the edges of the bottom member.

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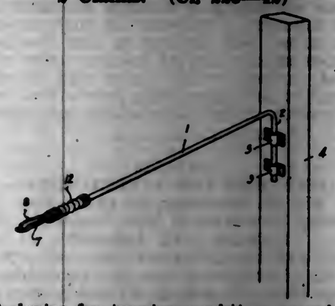
2,116,568
**STENCIL CARD HOLDER**
John C. Gates, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 27, 1936, Serial No. 87,688
3 Claims. (Cl. 281—44)



1. A device for holding a stencil while it is inscribed including a plate having an aperture therein, the edges of which delineate the area of the stencil in which an inscription may be made, means secured to said plate for holding a stencil in position under said plate, means supported by said last mentioned means and operable to force the portion of the stencil to be inscribed into engagement with the plate adjacent to the edges of said aperture, said means operable to force the portion to be inscribed into engagement with the plate including a roughened member for engaging the stencil, a table for supporting the roughened member, a clamping member for holding the roughened member on the table, and means for adjusting said clamping member.

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2,116,569
**DEVICE FOR TURNING NECKTIES**
Nathan Gold, Portland, Oreg.
Application November 7, 1936, Serial No. 109,719
2 Claims. (Cl. 223—42)



1. A device for turning neckties comprising an elongated rod pivotally mounted to a support, a portion of the free end of the rod being reduced,

the extreme end of the reduced portion forming one element of a gripping member, a companion gripping member pivotally mounted to the reduced portion and adapted to cooperate with the other of said elements, resilient means interposed between both of said elements for normally maintaining them in an open position, and means formed on the reduced portion of the rod for compressing said elements into gripping relation with respect to each other, said means comprising a slidable sleeve adapted to progressively compress said elements.

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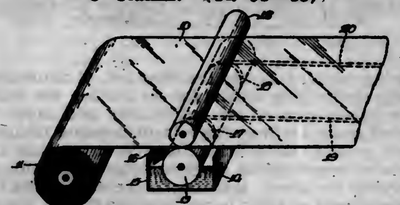
2,116,570
**YARN FABRIC-PACKAGE**
David Goldman, New York, N. Y., assignor of one-half to Hilda Goldman, New York, N. Y.
Application October 2, 1937, Serial No. 167,080
1 Claim. (Cl. 28—21)



As an article of manufacture, a household, office and travelling sewing and mending tie comprising groups of flexible yarns strands of approximately equal lengths, the strands of each group lying in side by side relation and substantially in the same plane, and the groups themselves being intertwined to form a flat fabricated band, constricting means inwardly spaced from each of the ends of the band to maintain the integrity of the intertwined formation of the intermediate portion of the band, said means also causing the portions outwardly thereof to assume a fan-like formation whereby each strand is readily accessible for independent withdrawal.

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2,116,571
**BAG MANUFACTURE**
Irving Gurwick, Mount Vernon, Ohio, assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware
Application May 15, 1936, Serial No. 79,858
3 Claims. (Cl. 93—35)



1. The method of producing containers of transparent cellulose sheeting, which comprises

applying longitudinal lines of a quick-drying solution of a heavy bodied nitrocellulose to a traveling web of transparent cellulose sheeting, and folding said web into container form along said lines.

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2,116,572
**CASING PERFORATOR**
Herman E. Harr, Long Beach, and Harold Colwell, Downey, Calif.
Application November 11, 1935, Serial No. 49,268
2 Claims. (Cl. 164—0.4)



1. In a casing perforator, a bifurcated body, a reciprocating head slidably extending between the bifurcations of said body, having a slot longitudinally disposed therethrough, hooks secured to the end of the bifurcations extending from opposite sides into the slot in said head so as to abut against the upper limit of the slot, or suspend the body on the lower limit thereof at respective ends of the reciprocating stroke of said head, and perforating members connected to said head.

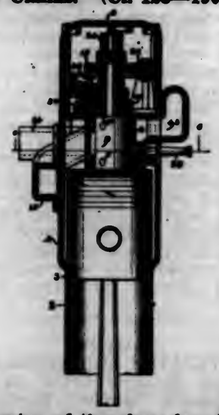
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2,116,573
**APPARATUS FOR DRYING AND DESTROYING MUNICIPAL WASTES**
Joseph Harrington, Riverside, Ill.
Original application December 21, 1931, Serial No. 582,312. Divided and this application August 3, 1936, Serial No. 93,966
6 Claims. (Cl. 110—15)



2. An apparatus for the disposal of municipal waste, comprising means for supporting the waste as a layer, means for subjecting said layer to heated gases at progressively decreasing temperature as the waste dries, in order to reduce the waste to combustible dryness without burning or charring the same, and means for subjecting the waste, after the same is combustibly dry, to heated gases at a sufficient temperature to promote spontaneous ignition thereof.

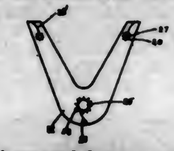
2,116,574
**INTERNAL COMBUSTION MOTOR**
Charles F. Heinse, St. Paul, Minn.
Application November 12, 1934, Serial No. 752,675
7 Claims. (Cl. 123—190)



1. In an engine of the class described, including a valve chamber, a rotary valve mounted in said valve chamber, said valve being cup-shaped, said valve being formed to provide a port in the side wall thereof, a split sleeve loosely surrounding said valve, at least one loose connection between said valve and the leading edge of said sleeve in its normal direction of rotation, and said sleeve being formed to provide a port therein in alignment with the port in said valve.

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2,116,575
**VIBRATIONPROOF LAMP**
Gustav Herzberg, Maplewood, N. J., assignor to Atlas Specialty Co., a corporation of New Jersey
Application August 28, 1935, Serial No. 38,146
4 Claims. (Cl. 176—39)



1. A vibrationproof lamp comprising a vitreous envelope, a reentrant stem having a press, a plurality of supporting conductors embedded in said press, a vitreous arbor integral with said press and extending a material distance therefrom, a filament, a plurality of anchors carried by said arbor and secured to said filament, a rigid mica spacer carried by said arbor at the free end thereof remote from said press and connected to said supporting conductors to prevent vibration of said supporting conductors.

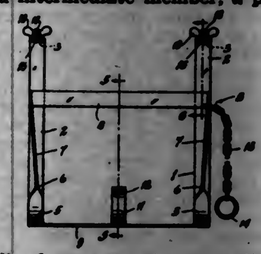
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2,116,576
**BRACKET FOR CONTAINERS**
Roy W. Hermann, St. Louis, Mo.
Application November 8, 1937, Serial No. 173,321
1 Claim. (Cl. 248—309)

A device of the character described, comprising a pair of horizontal members extending from the lower ends of a pair of vertical hanger members, a cross-piece secured at its ends to said horizontal members, and an intermediate horizontal member secured to said cross-piece, all



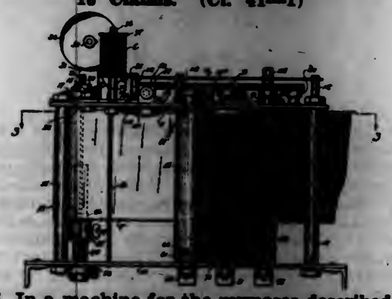
adapted to support a container, means for maintaining said container rigidly in position, comprising a reversely bent portion formed on one end of said intermediate member, a pair of up-



wardly inclined arms forming a continuation of said horizontal members, and a web member connecting the upper extremities of said upwardly inclined arms and means for adjustably mounting said device securely on a fixture.

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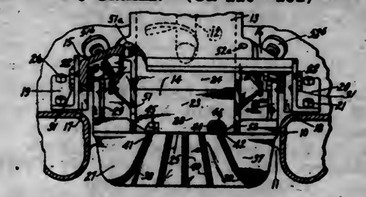
2,116,577
**MACHINE FOR MAKING DECORATIVE MATERIAL**
Eric M. Ilsemann, Newark, N. J., assignor to International Decorative Novelty Company, Newark, N. J., a corporation of New Jersey
Application December 2, 1936, Serial No. 113,882
16 Claims. (Cl. 41—1)



16. In a machine for the purposes described, a frame including bottom and top plates, a vertically disposed cutter roll journaled in and between said frame plates, a backing roll cooperative with said cutter roll, adjustable bearing means mounted on said frame plates for journaling said backing roll subject to adjustment to said cutter roll, said cutter roll having spaced radially projecting knife-like cutting elements extending somewhat obliquely lengthwise thereof, a pair of vertically disposed cooperating feed rolls in advance of said cutter and backing rolls, one of said feed rolls being journaled in adjustable bearing means mounted on said frame plates subject to adjustment to the other feed roll, means to fold and apply a binding strip about the upper longitudinal marginal portion of sheet material to be fed to said cutter and backing rolls, means for rotatably mounting a roll of sheet material from which the supply thereof to be fed to said cutter and backing rolls is withdrawn, means for rotatably mounting a roll of binding strip material from which the supply thereof to be applied to said sheet material is withdrawn, means for rotatably mounting a spool of flexible cord from which a run thereof may be withdrawn, means to guide said run of cord beneath and in alignment with the inwardly moving binding material for extension through and envelopment in the bight of the binding material as the latter is applied to the sheet material, said feed rolls operating to withdraw the materials from the supplies thereof and thence to pass the same through said binding applying means and thereupon to feed the same between said cutter and backing rolls, a pair of vertically disposed cooperating crimping rolls beyond said cutter and backing rolls, one of said crimping rolls being journaled in adjustable bearing means mounted on said frame plates subject to adjustment to the other crimping roll, and means for rotating said cutter and backing rolls, said feed rolls and crimping rolls, said feed rolls, cutter and backing rolls and crimping rolls having means at their upper end portions to positively engage the bound marginal portions of the sheet material with forwardly propelling effect upon the material.

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2,116,578
**STOKER**
Paul A. Ketchpel, West Englewood, N. J., assignor, by mesne assignments, to The Standard Stoker Company, Inc., a corporation of Delaware
Application November 19, 1934, Serial No. 753,565
9 Claims. (Cl. 110—101)



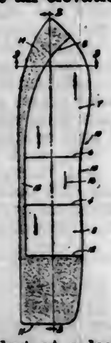
7. In a stoker, a distributing device arranged to permit fuel to pass thereover for distribution over a fire, comprising separable rear and front sections, said rear section including chambers disposed centrally between the ends and beneath the surface of said rear section and a chamber at each side of said centrally disposed chambers, said rear section having a front face provided with jet apertures communicating with said chambers and having an upwardly and forwardly opening slot between said centrally disposed chambers and each of said side chambers, said front section having upstanding deflecting ribs, said ribs projecting rearwardly beyond the rearward edge of said front section, the projecting portion of said ribs forming members arranged in slidable engagement with said slots, said slots and members being arranged when in engagement to prevent relative lateral and longitudinal movement between said sections, and means for limiting the downward movement of said front section with respect to said rearward section.

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2,116,579
**FOOT-BALANCING MEANS**
Charles P. Leydecker, St. Louis, Mo.
Application October 8, 1936, Serial No. 104,646
2 Claims. (Cl. 36—71)

1. A foot support for use in shoes and adapted to lie beneath the outer side of the longitudinal arch of the foot, including a first section elevated above the normal level of the inside of the shoe to support in elevated position the rear portion of the fifth metatarsal, said section being of substantially even height throughout its area, and terminated at its rear short of the heel seat and at its front at a point shortly ahead of the said rear of the said fifth metatarsal, a second section extending forwardly from the said front portion of the first section and sloping downwardly

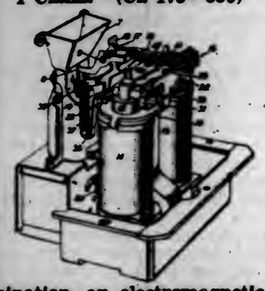
toward the inside level of the shoe, said second section extending forwardly under the front portion of the fifth metatarsal to provide positive support thereof at an elevation above the inside



level of the shoe but at a less elevation relative to the inside level of the shoe than is provided by the first section, said second section, ahead of the front of the fifth metatarsal, being then lowered to the inside level of the shoe.

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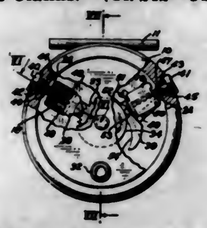
**2,116,580**
**COIN COLLECTOR ELECTROMAGNET**
**John M. Mellck, Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application July 2, 1935, Serial No. 29,436**
**1 Claim. (Cl. 175—336)**



In combination, an electromagnetic structure comprising a pair of electromagnetic elements, an armature, pivots supporting said armature centrally and about which said armature is adapted to move, said armature having one branch extending substantially between its pivoting axis and one of said elements, said armature having a second branch extending substantially between its pivoting axis and the second of said elements, said armature being adapted to be moved clockwise or counter-clockwise when said elements are energized, a pair of independently movable armature restoring levers pivoted coaxially with said armature, one of said levers extending from its pivoting axis toward said first element, the second of said levers extending from its pivoting axis toward said second element, said first lever being actuated by said armature when said first branch is attracted toward said first element, said second lever being actuated by said armature when said second branch is attracted toward said second element, spring means for said first lever opposing any movement of said first lever caused by the movement of said armature toward said first element, other spring means for said second lever opposing any movement of said second lever caused by the movement of said armature toward said second element, fixed stops for limiting the movement of said levers by said spring means, the force applied to said first lever by the movement of the armature toward said first element and the force applied to said first lever due to said first spring means being effective in directions substantially 180 degrees apart and being applied at points substantially the same distance from the pivoting axis of said first lever, the force applied to said second lever by the movement of said armature toward said second element and the force applied to said second lever due to said second spring means being effective in directions substantially 180 degrees apart and being applied at points substantially the same distance from the pivoting axis of said second lever.

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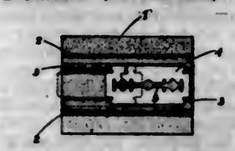
**2,116,581**
**FISHING ROD REEL**
**Edward Norton Moor, San Francisco, Calif., Elizabeth C. Moor, owner by Decree of Distribution**
**Application May 5, 1936, Serial No. 77,928**
**15 Claims. (Cl. 242—84.6)**



1. In a fishing reel, the combination of a body member having an end plate, a reel supporting spindle projecting inwardly from said end plate, a reel upon said spindle, a brake drum rotatable with said reel, a brake shoe supporting member adjustably mounted upon said end plate, a brake shoe pivotally mounted upon said supporting member adjacent and in frictional contact with said brake drum, said brake shoe having its brake drum contacting surface eccentric to its pivotal axis, whereby it will be drawn into braking engagement with said brake drum when said reel is rotated to pay out line and to move out of braking engagement with said drum when said reel is rotated to retrieve the line, and means for adjustably positioning said brake shoe supporting member to limit the braking force produced by said brake shoe.

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**2,116,582**
**SAFETY RAZOR SHARPENER**
**Eric Mueiberger, Jr., San Francisco, Calif.**
**Application June 28, 1937, Serial No. 150,743**
**1 Claim. (Cl. 51—214)**



A sharpener for safety razor blades comprising a base, a pair of parallel upstanding abrasive elements mounted on the base in spaced relation, and an upstanding guide finger relatively long and narrow in section fixed on the base centrally between the elements and centrally of the length

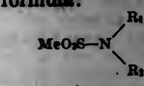


of said elements, the guide finger being adapted to project into the slot of a blade disposed on the elements, the elements being substantially twice the length of the cutting edges of the blade.

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**2,116,583**
**WETTING AGENTS USEFUL FOR ALKALINE MERCERIZING SOLUTION**
**Ferdinand Mülns, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware**
**No Drawing. Application March 21, 1936, Serial No. 71,875. In Germany April 11, 1935**
**4 Claims. (Cl. 8—20)**

1. A composition of matter comprising an alkaline mercerizing bath containing a compound of the general formula:



wherein $R_1$ and $R_2$ represent alkyl groups the total number of carbon atoms in the two alkyl groups ranging from 3 to 8 and Me means an alkali metal.

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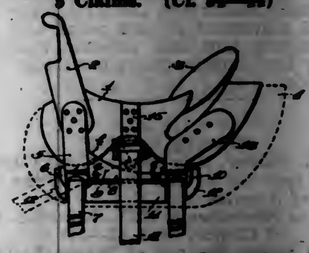
**2,116,584**
**T-LOCK JOINT**
**Leon Shelby, Fenton, Mich.**
**Application October 5, 1936, Serial No. 104,015**
**2 Claims. (Cl. 20—92)**



1. A lock joint of the character described comprising a member having a tenoned portion thereon, said tenoned portion having formed thereon a plurality of transverse square-shouldered ribs, and a member having a morticed portion therein adapted to receive said transverse square-shouldered ribs.

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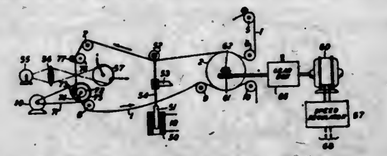
**2,116,585**
**RIDING STOCK SADDLE**
**Charles D. Smith, Roswell, N. Mex.**
**Application November 23, 1936, Serial No. 112,314**
**5 Claims. (Cl. 54—44)**



1. In a riding stock saddle, a tree having a skirt, a rigging comprising spaced D-rings and connecting strap, one end of which extends above the D-rings, tie-straps connected to each of said D-rings, a stirrup strap suspended from a point above the said rings and capable of forward, rearward and outward movement relative to its point of securement and a continuous strip of wear leather underlying said D-rings and stirrup leather extending on either side and above said D-rings, said wear leather being cut away to define recesses for the reception of said tie straps and connecting strap to space these elements above the surface of said skirt.

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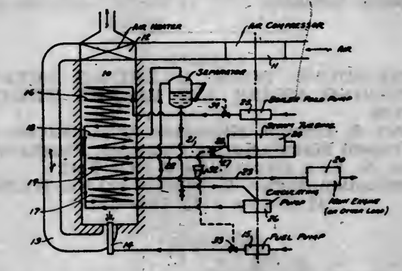
**2,116,586**
**STRIP FEEDING MECHANISM**
**Hugh M. Stoller, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application May 20, 1936, Serial No. 80,802**
**17 Claims. (Cl. 271—2.3)**



1. In a strip feeding system having different mechanically independent speed regulated motors for feeding the strip, a master speed regulator for sustaining one of said motors at a uniform rate of speed and an adjustable speed regulator for another of said motors, said adjustable speed regulator including a balanced impedance bridge circuit with an impedance in one arm adjusted by a device associated with the strip for unbalancing the bridge to create a phase difference in the potentials of the regulator according to a difference in speed of said motors and to create an electric current to compensate for the difference in speed between the motor regulated thereby and the master speed regulated motor.

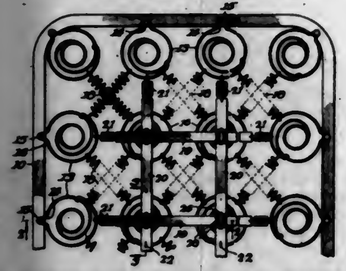
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**2,116,587**
**REGULATING MEANS FOR STEAM GENERATING PLANTS**
**Kurt Toensfeldt, Port Washington, N. Y., assignor to Combustion Engineering Company, Inc., New York, N. Y.**
**Application July 1, 1937, Serial No. 151,443.**
**5 Claims. (Cl. 60—105)**



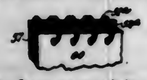
1. In a steam plant including a steam generator, an air compressor and a fuel supply means therefor, and wherein the fuel is burned under pressure in the furnace of said generator and the products of combustion are expanded over the heating surfaces of said generator at relatively high velocities; a conduit for carrying away from the generator all of the steam that is generated therein; a steam turbine connected into said conduit and arranged to operate said air compressor; piping connected to said conduit at the inlet side of said turbine for carrying part of the steam from said generator to a point of use without passing through said turbine; a valve regulating the flow of steam through said piping; and means responsive to the steam demand in the conduit connecting the turbine and the point of use, controlling said valve to vary the flow through said piping thereby correcting the operating rate of the turbine to suit the variations in said steam demand.

2,116,588
**BEDSPRING**
Dan Carlos Travis, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application June 13, 1935, Serial No. 26,330
7 Claims. (Cl. 5—267)



1. A bedspring having a plurality of axially vertical coil springs arranged in transversely extending rows, and provided with thin, flexible, metallic straps supported so as to respectively overlie said spring rows and extending transversely of each other, one of said straps having a longitudinally extending, narrow elongated portion intermediate its width, severed along its sides from the strap but having its ends integrally connected to the strap, said narrow elongated portion being pressed from the strap into spaced relation thereto to form an eye, a transversely extending strap being slidably disposed in said eye and thereby maintained in substantially coplanar relation to the other strap, the opposed inner surfaces of the portions of said strap which define said eye being transversely arched so as to provide a nonscratching bearing surface for engaging the transversely extending strap member disposed therein.

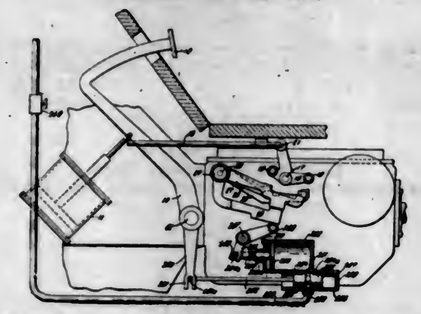
2,116,589
**WIRE-BOUND BOOK INCLUDING SHEET-BINDING MEANS AND BLANKS THEREFOR**
Emery A. Trussell, Milwaukee, Wis., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application August 25, 1934, Serial No. 741,360
17 Claims. (Cl. 281—25)



2. A sheet binder comprising a long, slender, continuous, bent strip of appropriate material having connected spaced pairs of parallel elements all lying in the same plane, one pair of corresponding ends of the elements of each pair being mutually united and the opposite ends of the elements of each pair being flared outwardly and united with corresponding ends of adjacent elements of adjacent pairs, the pairs of elements being adapted to be bent to forms such as to serve as sheet-attaching rings and to have their mutually united ends extended into the spaces between their opposite, flared ends in an alternate, overlapping, zigzag relation.

13. A book comprising sheets having correspondingly spaced perforations along corresponding margins and a sheet binder comprising spaced pairs of approximately circular, united, spaced, closed rings having their axes in alignment, the successive pairs of rings being passed through successive perforations in said sheets, one pair to each perforation, and the rings passing through the same perforation having one pair of corresponding ends united with each other and their opposite ends, except as to the two end rings of the binder, united respectively with corresponding ends of adjacent rings passing through adjacent perforations.

2,116,590
**TRANSMISSION AUXILIARY**
Tracy Brooks Tyler, Chicago, Ill., assignor to The Monopower Corporation, Detroit, Mich., a corporation of Michigan
Refile for abandoned application Serial No. 611,285, May 14, 1932. This application March 20, 1936, Serial No. 69,991
7 Claims. (Cl. 74—334)



7. In a selector and shifter mechanism for a transmission of a motor vehicle, a control pedal, fluid pressure means for actuating said selector and shifter mechanism, a valve connected to said fluid pressure means, a pipe line adapted to be connected to a source of vacuum said valve being interposed between said fluid pressure means and said pipe line, said valve being also adapted to connect said fluid pressure means with the atmosphere, means operatively connecting said control pedal with said valve including means for connecting said fluid pressure means with said pipe line during initial movement of said pedal from a normal position, means for connecting said fluid pressure means with the atmosphere during continued movement of said pedal, and means for connecting said fluid pressure means with said pipe line during return movement of said clutch pedal.

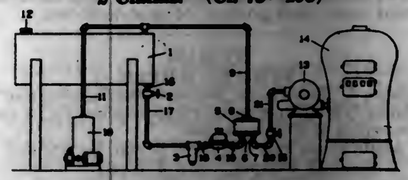
2,116,591
**NEEDLE NOZZLE**
George W. Barber, New Haven, Conn.; dedicated to the free use of the People of the United States of America
Application November 5, 1937, Serial No. 172,929
2 Claims. (Cl. 47—57)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a needle nozzle insecticide ejector, a plurality of progressively reduced sections in series attached, the largest section carrying a plunger, a plunger seat carried by the adjoining section, a hollow needle carried by the smallest section, a handle constituting an intake pipe to said largest section, and a lever for operating said plunger.

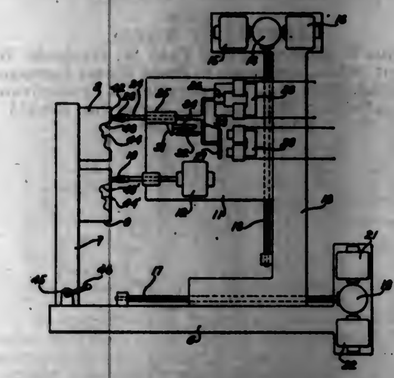


2,116,592
**DEVICE FOR METERING LIQUIDS**
Robert S. Bassett, Buffalo, N. Y.
Application December 17, 1937, Serial No. 180,389
2 Claims. (Cl. 73—198)



1. The combination with a liquid fuel metering apparatus comprising a supply tank, fuel directing means including a conduit for conveying the fuel from said tank to a point of use, and a flow meter interposed in the conduit for measuring and indicating the quantity of fuel conveyed therethrough; of a chamber interposed in said conduit between the meter and the point of use, and having a fuel outlet port, a fuel inlet port, a valve controlling the entrance of fuel into said chamber through said inlet port, a float in said chamber, means for causing said valve to be moved to closed and open positions by said float only when said float is moved through a relatively wide range of movement, and an air vent from said chamber; an opening for filling said supply tank with liquid fuel; a cover for said opening to prevent the escape of air from said tank; a source of compressed air; a conduit for conveying compressed air from said source to said tank; and a conduit connecting said supply tank near its uppermost point to said air vent from said chamber, for conveying compressed air between said tank and said chamber; substantially as and for the purpose described.

2,116,593
**CUTTING OR MILLING MACHINE**
George A. Bouvier and Harold R. Laird, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 13, 1934, Serial No. 720,384
9 Claims. (Cl. 90—13.5)



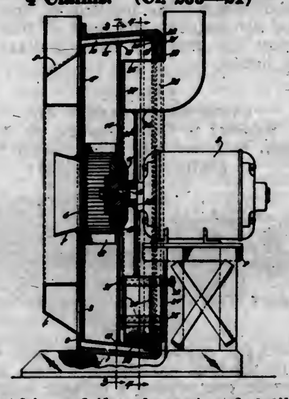
1. A milling machine comprising a support, a tracer mounted for relative movement on said support, a milling tool mounted on said support, a differential drive including a pair of motors for driving said support in one direction, a second differential drive including a pair of motors for driving said tool in another direction, and means for controlling said drives in response to the relative position of said tracer to control the movement of said tool.

2,116,594
**BRAKE BEAM AND/OR BRAKE HEAD**
Charles R. Busch, Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a corporation of New York
Application February 16, 1935, Serial No. 6,876
12 Claims. (Cl. 188—223)



1. A brake beam, including a cambered compression member of substantially uniform dimensions from end to end, a tension member, means for fastening the ends of the compression member and tension member together, and being in tension relation to the tension member and in thrust relation to the compression member, and thrust receiving means on the ends of and between the sides of the compression member and forming integral terminal parts thereof, and in bearing relation with the fastening means, wherethrough tension imposed on the tension member by the fastening means will cause the compression member to be set to the desired camber from points between the sides of the compression member, the outside surfaces of the thrust receiving means being continuations of the uniformly cross dimensioned compression member.

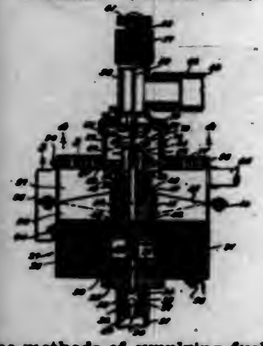
2,116,595
**SEPARATOR**
John O. Carrey, St. Louis, Mo.; Frank J. Stretch, Jr., administrator of said John O. Carrey, deceased
Application August 10, 1935, Serial No. 35,587
4 Claims. (Cl. 233—21)



1. A machine of the character described comprising a rigid housing having an inlet opening at one side and an outlet opening at the opposite side, a disc in said housing between said openings and having holes therethrough near its margin, a frustro-conical member attached to the margin of said disc approximately midway of its length and tapering toward the side having said inlet opening and flaring from said disc toward the side having said outlet opening, mechanism for rotating said disc and thereby said member, an approximately radial flange extending inwardly from the larger end of said mem-

ber and having holes therethrough near the inner side of said member, and a ring adjustably mounted on said member against said flange and having holes therethrough which may be placed in communication with said holes through said flange.

2,116,596
**AUTOMATIC FUEL VAPORIZER AND AUXILIARY FUEL SUPPLY FOR INTERNAL COMBUSTION ENGINES**
Irven E. Coffey, Pine Lawn, Mo.
Application January 28, 1932, Serial No. 589,436
Renewed January 9, 1937
4 Claims. (Cl. 123—119)



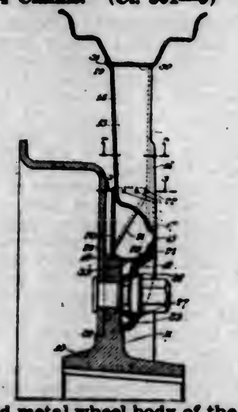
1. In the methods of supplying fuel to an engine having an electrically operated auxiliary liquid fuel valve, comprising on starting the engine and by the suction of the engine drawing auxiliary liquid fuel, at the same time sucking an auxiliary air supply into intimate contact with the auxiliary liquid fuel, heating both the auxiliary liquid fuel and air to form a dry gas, introducing such dry gas into the main fuel supply, heating the auxiliary air by the engine heat and after discontinuing the heating of the auxiliary liquid and air, causing the heat of this auxiliary air to stop the flow of the auxiliary air and auxiliary liquid.

2,116,597
**CONCRETE FORM TIE**
Samuel S. Colt, Orange, N. J.
Application October 25, 1935, Serial No. 46,659
1 Claim. (Cl. 25—131)



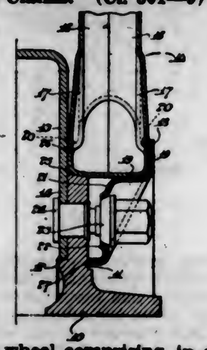
A means for supporting form wall structures relative to tie-rods extending wholly within the form interior, comprising a tubular lock-rod having an internally threaded inner end portion to penetrate the form wall structure from its exterior to engaged relation with an interior tie-rod, a reenforcing core affixed within the outer end portion of said lock-rod, a shield sleeve slidable on said lock-rod so as to be movable through the form wall structure into covering relation to the form penetrating end portion of said lock-rod, means to lock said shield sleeve to said lock-rod, and means on the exterior of the form wall structure to which said lock-rod is secured against longitudinal movement, said latter means comprising an affixed abutment plate, a lock-piece axially rotatable relative to said plate by means of a ball and socket connection therebetween and said lock-piece having an axial bore to receive the exterior end portion of said lock-rod, and opposed set-screws carried by said lock-piece to grip the reenforced outer end portion of said lock-rod.

2,116,598
**VEHICLE WHEEL**
Carolus L. Ekxergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 29, 1930, Serial No. 457,092
4 Claims. (Cl. 301—9)



3. A pressed metal wheel body of the demountable bolted-on type comprising a bolting-on flange, a main stamping supported thereby and formed immediately radially outwardly of the bolting-on flange with an annular rearwardly facing channel, and a reinforcing annulus connected between the channel walls and forming therewith a box section, the main stamping radially outwardly of the channel constituting the entire depth of the wheel body, the outer wall of the channel having corrugations and the periphery of the reinforcing plate being corrugated to interfit therewith.

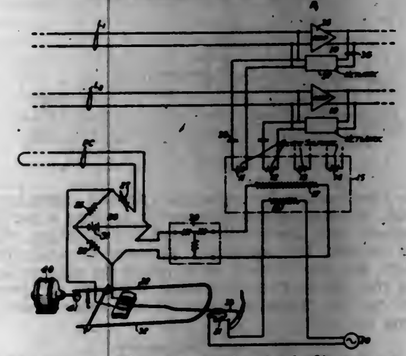
2,116,599
**ARTILLERY WHEEL**
Carolus L. Ekxergian and Paul W. Gaenssle, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 31, 1930, Serial No. 458,321
4 Claims. (Cl. 301—9)



1. A vehicle wheel comprising, in combination, a hub, a hollow spoked metal wheel body, and a clamp adapted to secure said wheel body to said hub, said clamp comprising a single stamping, said clamp having inturned portions which provide seats for the securing means and radial seats for the wheel body.

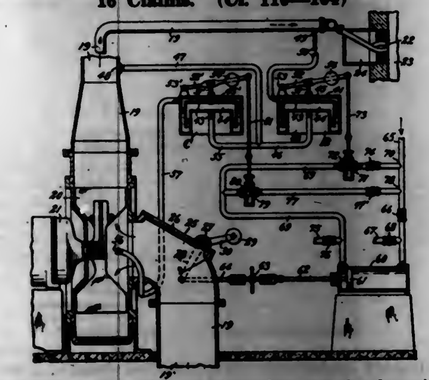


2,116,600
**ELECTRICAL TRANSMISSION CONTROL**
Joseph R. Fisher, Brooklyn, and Charles O. Mallinckrodt, Forest Hills, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 25, 1935, Serial No. 18,218
19 Claims. (Cl. 178—44)



11. An amplifying repeater including as a circuit element a resistor comprising silver sulphide for controlling the gain thereof.

2,116,601
**PULVERIZING SYSTEM**
Martin Frisch, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application December 29, 1933, Serial No. 704,453
16 Claims. (Cl. 110—104)

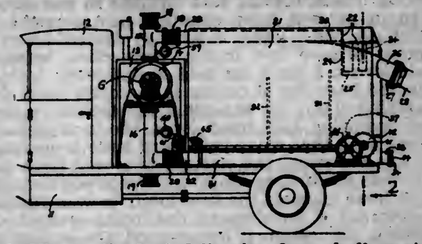


1. In combination with a furnace for burning pulverized fuel, a pulverizing mill, means for supplying fuel and air to the mill, a conduit connecting the discharge of the mill with the furnace, means operative to remove pulverized fuel and air from the mill and deliver it to the furnace through the conduit, a damper adapted to close the conduit, pressure actuated means connected to the damper constructed and arranged to normally hold the damper in a position so that the conduit is open, and means responsive to pressure conditions at spaced points in the conduit for controlling the pressure actuated means to cause the latter to move the damper to close the conduit when the pressure difference between said spaced points therein changes from a predetermined value.

2,116,602
**COLORING MATTERS OF THE PHTHALOCYANINE TYPE**
Isidor Morris Heilbron, Manchester, Francis Irving, Grangemouth, and Reginald Patrick Linstead, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 15, 1933, Serial No. 698,216. In Great Britain November 16, 1932
9 Claims. (Cl. 260—46)

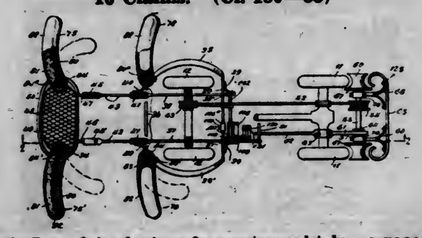
1. Process for the manufacture of metal-free phthalocyanine coloring matters which comprises subjecting an o-arylene dicyanide to the action of heat in the presence of a reagent chosen from the group consisting of alkali-forming metals, their mildly reducing, alkaline-reacting compounds, ammonia, and tertiary organic bases.

2,116,603
**METHOD OF AND MEANS FOR TRANSFERRING LOOSE BULK MATERIAL**
Ludwig F. Holly, Madison, N. J.
Application August 26, 1933, Serial No. 686,885
16 Claims. (Cl. 214—83)



1. The method of delivering loose bulk material from one container into a second container, comprising directing a current of air past the first container into the second container, releasing said material from said first container into said current of air, said released material being conveyed by said current into the second container, and controlling said release in accordance with the fluctuations of pressure set up in said current by the material released thereinto.

2,116,604
**SAFETY DEVICE FOR MOTOR VEHICLES**
Heinrich Karl, Jersey City, N. J.
Application April 9, 1935, Serial No. 15,367
16 Claims. (Cl. 180—83)

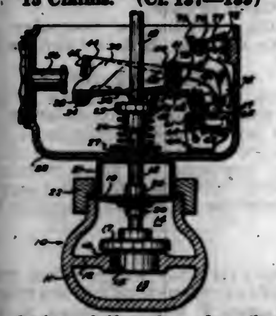


1. In safety devices for motor vehicles, a recoilable front bumper and a rear bumper, both

bumpers having connections with a shaft bearing braking means and adapted to apply these braking means to the tires of the rear vehicle wheels when the one or the other of said bumpers will be pressed towards the vehicle.

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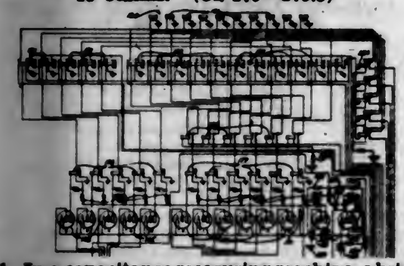
2,116,605
**SNAP ACTION MECHANISM**
Hugh Kelly, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 18, 1935, Serial No. 41,097
15 Claims. (Cl. 137—139)



1. In a device of the class described, an element movable between two extreme positions, spring means biasing said element in one direction, a pivoted lever abutting said element, a latch for said lever, a second pivoted lever, a spring pressed lost motion connection between said levers, a latch for said second lever, a third pivoted lever for engaging said second lever and carrying a pin for engaging said latches, means for operating said third lever, the arrangement being such that when said third lever is operated in one direction, the element is moved from one extreme position to an intermediate position, the first lever engages the first latch to stop further movement of the element, the spring pressed lost motion connection is compressed, the second lever engages the second latch, and the pin carried by the third lever engages the first latch to release the first lever whereby the spring pressed lost motion connection snaps the element to the other extreme position.

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2,116,606
**SYSTEM FOR MEASURING THE CHARACTERISTICS OF ELECTRICAL APPARATUS**
Clair L. Lemmon, Mount Airy, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 17, 1934, Serial No. 753,507
18 Claims. (Cl. 179—175.3)



1. In a capacitance measuring machine, a bridge circuit, means for connecting an article to said bridge circuit, and means interposed between the bridge circuit and the connecting means and operable in a predetermined cyclic manner in response to a measurement made by the bridge circuit for changing the connections between the article and the bridge to make a series of capacitance tests.

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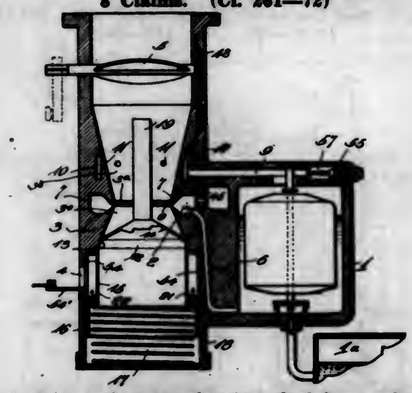
2,116,607
**PACKAGING MACHINE**
Michael J. Milmoe, Glen Ellyn, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application June 13, 1932, Serial No. 616,857
58 Claims. (Cl. 93—6)



1. Mechanism for squaring cartons comprising a pair of feed rollers, means for feeding a carton between said feed rollers and for rotating said feed rollers, the opposing surfaces of said feed rollers moving toward each other as said rollers feed the carton there-between, whereby the pressure on the opposite edges of the folded carton opens the carton.

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2,116,608
**CARBURETOR**
Edouard Frédéric Charles Seignol and Francis Jules Menier, Paris, France, assignors to Societe Auxiliaire Pour le Developpement D'Industries Mecaniques S. A. D. I. M., Neuilly, France, a corporation of France
Application November 16, 1933, Serial No. 698,252
In France November 21, 1932
8 Claims. (Cl. 261—72)



1. In a carburetor elevating fuel from a lower reservoir and having an air entrance, a diffuser having a constricted portion, a diverging portion posterior to said constricted portion and leading therefrom and a converging portion anterior to said constricted portion and disposed between the same and the air entrance, a closed constant level receptacle, a conduit leading from the bottom of the said receptacle to the constricted portion of the diffuser of the carburetor through a nozzle of predetermined section opening in a chamber surrounding the constricted portion of the said diffuser and communicating therewith, an air entrance to the carburetor a conduit leading from the upper part of the said constant level receptacle to the diverging portion of the said diffuser at a point posterior to the constricted portion of the same, a frustoconical regulating valve located in the converging portion of the diffuser and longitudinally movable therein and adapted to vary the cross section of the said converging portion and the supply of air admitted thereto from the air entrance, a tube connected to the said regulating valve and opening at one end into the diverging portion of the said diffuser at a point posterior to the constricted portion of the diffuser, a piston connected to the other end of said tube, a closed cylinder in which slides the piston and which communicates with the diverging portion of the diffuser through said tube, means acting to constantly push the regulating valve towards the closing position of the same, a conduit leading from the diverging portion of the diffuser to the chamber surrounding the constricted portion of the diffuser, a restricted air feed connection between the atmosphere and the said conduit and chamber surrounding the constricted portion of the diffuser for supplying air thereto, and a starting valve for establishing communication between the atmosphere and the upper part of the constant level receptacle and opening in the direction of said receptacle.



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2,116,609
**PRINTING PRESS**
Wesley P. Shoemaker, Richmond, Va., assignor to The Duplex Envelope Company, Inc., Richmond, Va., a corporation of Virginia
Application March 2, 1933, Serial No. 659,303
Renewed October 29, 1936
28 Claims. (Cl. 101—91)

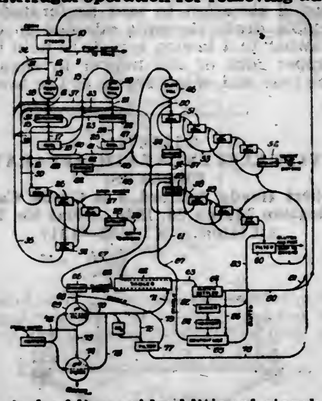


1. In a device of the character described, impression and printing cylinders of different diameters, congruent intermeshing gears connected to said cylinders for rotating the same in unison, each gear being tangential to its cylinder at one point and said gears being so related to each other as to register said points upon rotation.

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2,116,610
**STARCH MAKING PROCESS**
Augustus E. Staley, Jr., Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
Application November 17, 1934, Serial No. 753,482
2 Claims. (Cl. 127—69)

2. In the manufacture of starch from corn, the steps including treating the corn with water to produce starch-milk having a relatively large percentage of starch and gluten suspended therein, tabling said starch-milk to remove the major portion of the starch therefrom, removing substantial quantities of water from the resultant gluten tailings, employing said water to treat additional starch, subjecting said gluten tailings to a centrifugal operation for removing additional



starch, and adding said additional starch to said starch-milk.

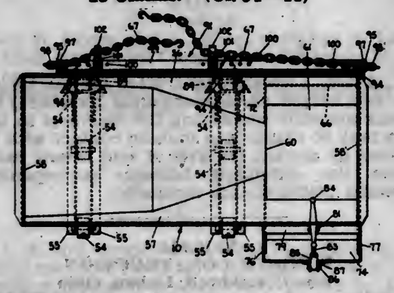
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2,116,611
**POROUS MATERIAL AND METHOD OF MAKING SAME**
Leon Pierre Georges Vautier, St. Just des Marais, and Claude Carnot, Paris, France, assignors to Societe Francaise de la Viscose, S. A., a corporation of France
No Drawing. Application October 27, 1936, Serial No. 107,820. In Great Britain November 6, 1935
11 Claims. (Cl. 18—48)

1. A process for the manufacture of artificial sponges having substantially the same breaking strength in all directions thereof which comprises molding a pasty mass having a basis of a cellulose derivative, fibers and pore-forming material thereby producing an orientated structure, dividing the structure across the grain of orientation into sections, deforming the sections by applying pressure thereto in the same general direction as the grain of orientation to disorientate the sections, and coagulating the sections.

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2,116,612
**MATERIAL DISTRIBUTOR AND SPREADER**
Franklin E. Arndt, Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio
Application May 28, 1937, Serial No. 145,336
15 Claims. (Cl. 94—44)

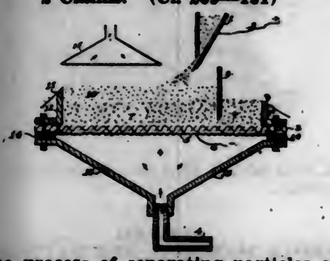


12. The combination with a spreader comprising a hopper and framework for supporting the same, of spaced-apart perforated plates secured to the front side of said spreader in fixed relation

thereto and substantially above the bottom thereof, an elongated drawbar adjustably connected at adjusted elevation to said perforated plates, and flexible draft elements adapted to connect said drawbar to a towing vehicle to hold the forward upper edge of the hopper in engagement with the rear end of the frame of the towing vehicle.

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**2,116,613**
**GRAVITY ELECTROSTATIC SEPARATION PROCESS**
**Robert Hardy Bedford, Los Gatos, Calif.**
**Application March 24, 1936, Serial No. 70,638**
**2 Claims. (Cl. 209—131)**



2. The process of separating particles of materials of different electrical conductivities consisting in subjecting the mixed particles to an electrostatic charge of one polarity and then depositing the particles upon a nonconducting permeable support having therebelow an electrode charged to an opposite polarity, agitating the particles by means of a gaseous current passed upwardly through the permeable support, thereby causing a stratification of the particles, and separately discharging the stratified components.

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**2,116,614**
**APPLIANCE FOR TREATING MEAT**
**Jesse O. Bullard, Huntington Park, and Noah B. Veach, Los Angeles, Calif., assignors, by direct and mesne assignments, to Atlas Meat Appliance Co., Los Angeles, Calif., a corporation of California**
**Application April 18, 1936, Serial No. 75,144**
**11 Claims. (Cl. 17—44)**

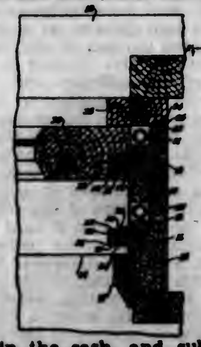


1. A device for shaping a meat carcass, including two curved carcass-engaging members, and means pivotally connecting the members so that they may be swung into shaping contact with the carcass by moving the axis of said means past a center line extending between corresponding opposing points on the members.

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**2,116,615**
**WINDOW CONSTRUCTION**
**Ollie C. Caldwell, Lisbon, Ohio**
**Application August 10, 1936, Serial No. 95,066**
**2 Claims. (Cl. 20—69)**

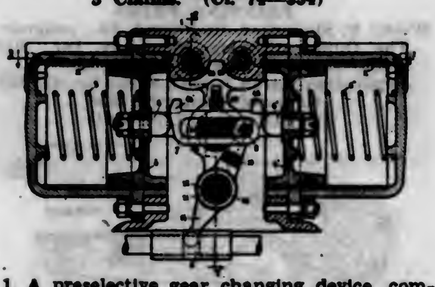
1. A weatherproof window structure including side jambs having tapered grooves therein, a window sash having tapered grooves in its side edges, oppositely tapered, wood weatherstrips fixed in the grooves in the side jambs and extended into



the grooves in the sash, and substantially U-shape resilient lining strips secured in the grooves in said sash and frictionally engaging the tapered sides of said weatherstrips.

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**2,116,616**
**PRESELECTIVE APPARATUS FOR GEAR CHANGING**
**Gabriel Chasserieau, Brussels, Belgium**
**Application November 11, 1935, Serial No. 49,241**
**In Belgium October 9, 1935**
**5 Claims. (Cl. 74—334)**

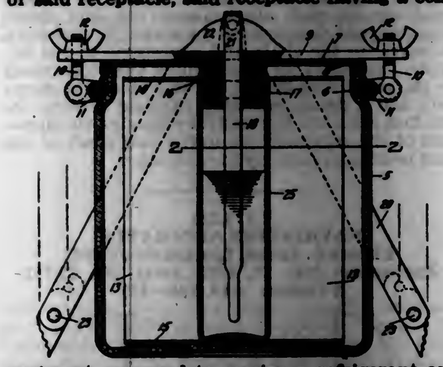


1. A preselective gear changing device, comprising in combination with a gear transmission a clutch therefor and a source of vacuum, a pair of cylinders, a piston movable in each of said cylinders under the action of vacuum, sliding selectors adapted to shift the transmission gears, a sliding lever operable by the pistons and adapted to engage said selectors for moving the same; a rocking lever adapted to selectively move said sliding lever into engagement with one of the selectors, valves adapted to place the cylinders in communication with the vacuum source, levers operable to selectively actuate said valves and operate the rocking lever, members under control of an operator, cables connecting said members with the levers, and means operated by the gear clutch for opening and closing communication between the vacuum source and the valves.

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**2,116,617**
**DEMONSTRATING APPARATUS**
**Charles W. Cremer, Des Moines, Iowa, assignor to Calumet Refining Company, Chicago, Ill., a corporation of Illinois**
**Application December 21, 1936, Serial No. 116,978**
**10 Claims. (Cl. 35—49)**

1. In a demonstrating apparatus, a closed receptacle having a transparent wall, and a container for liquid supported within said receptacle and having a transparent wall extending above and below the level of the liquid in said container and arranged in line with the transparent wall of said receptacle, said receptacle having a com-



partment arranged to receive a refrigerant and support the same out of line with said alined transparent walls, thereby permitting the liquid in said container to be observed from the exterior of said receptacle while it is subjected to the action of said refrigerant.

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**2,116,618**
**FIREARM**
**Harry L. Crockett, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland**
**Application May 1, 1936, Serial No. 77,350**
**7 Claims. (Cl. 42—85)**

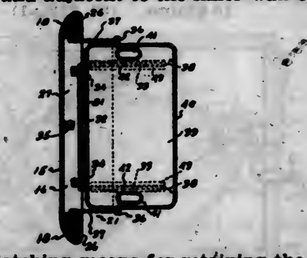


1. The combination with a firearm: of strap-attaching means located forwardly of the trigger of the firearm; and a hand-abutment unit mounted intermediate the said strap-attaching means and the trigger of the firearm with capacity for adjustment longitudinally of the firearm independently of and toward and away from the said strap-attaching means, the said hand-abutment unit including strap-receiving means through which a sling-strap may be passed with freedom for sliding movement.

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**2,116,619**
**REFRIGERATOR CONSTRUCTION**
**Powel Crosley, Jr., and Roland H. Money, Cincinnati, Ohio, assignors to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio**
**Original application January 19, 1934, Serial No. 707,370. Divided and this application May 4, 1935, Serial No. 19,264**
**3 Claims. (Cl. 312—178)**

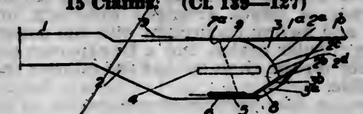
1. In a refrigerator cabinet including a food storage compartment having an access opening therein, a door for closing the access opening, said door including an inner wall, a removable transfer tray, a member hinged to the inner wall for supporting the tray, whereby the support and transfer tray may be disposed either horizontally with respect to the door or substantially parallel to and adjacent to the inner wall of the



door, and latching means for retaining the support and tray in the vertical position with respect to the inner wall when the tray is not in use.

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**2,116,620**
**WEFT FEEDER FOR WEAVING LOOMS**
**Raymond Dewas, Amiens, France**
**Application May 3, 1935, Serial No. 19,576**
**In France June 2, 1934**
**15 Claims. (Cl. 139—127)**



1. In looms of the type having a reed and a pair of reciprocable needles movable toward and away from one another for laying the pick in the shed a conveying member forming the end of one of the needles, said member having one part forming the side facing the reed and another part forming a continuation of the first-mentioned part and having a shorter and a longer side, the second-mentioned part comprising a pair of prongs; a resilient clamp situated between said prongs, and a cutting blade situated between said prongs, the front edge of one of said prongs projecting beyond the front edge of the other prong, the first-mentioned part having its width reduced for a part of its length so as to form a point projecting beyond said longer side; an opening having the form of a notch being formed in the first-mentioned part approximately at the height of said shorter side, the bottom of said notch forming a point of support for the thread.

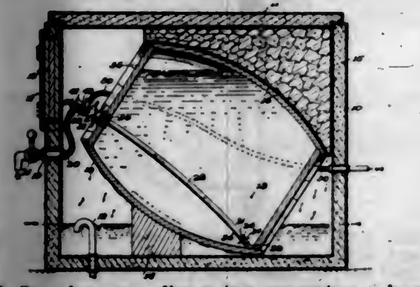
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**2,116,621**
**SHOE**
**Paul H. Dixon, Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey**
**Application November 16, 1936, Serial No. 111,005**
**9 Claims. (Cl. 36—57)**



1. A shoe quarter comprising two pieces having their rear marginal portions disposed with their outer surfaces in contact and united by back-seam stitches, and padding strips of soft resilient material, said strips engaging the inner sides of each of said marginal portions and being secured to said pieces by said stitches.

**2,116,622**
**DISPENSING APPARATUS FOR BEVERAGES**
Carl H. Eisenmenger, Wilmington, Del.
Application June 25, 1936, Serial No. 87,286
16 Claims. (Cl. 225—1)

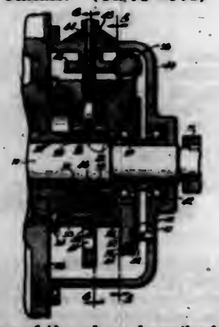


1. In a beverage dispensing apparatus, a heat insulating chest, adapted to contain an inclined keg, a perforated ice pan arranged above the keg within the chest, a tubular device extending through the raised end of the keg and inclined downwardly therein so that its intake end is arranged adjacent to the lower most portion of the inclined keg for removing practically all of the beverage, a spigot arranged exteriorly of the chest and having connection with the outlet end of the tubular device, and a transparent closure element for the chest so that the interior thereof is visible.

**2,116,623**
**GLASS BATCH**
Francis C. Flint, Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
No Drawing. Application February 19, 1936, Serial No. 64,779
1 Claim. (Cl. 106—36.1)

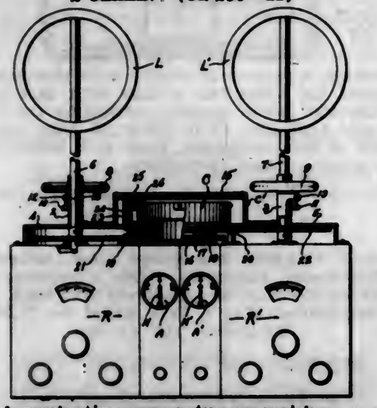
The method of preparing glass batches for clear transparent glass which includes first determining the amount of carbon naturally present in the batch as dirt, dust, etc., and then adding carbon in an amount sufficient to bring the total carbon to the percentage desired.

**2,116,624**
**ADJUSTING MECHANISM FOR TRANSMISSIONS**
Walter A. Garratt, Covington, Ky.
Application December 3, 1936, Serial No. 114,026
7 Claims. (Cl. 74—571)



3. In a device of the class described a principal shaft, a sleeve concentric therewith and rotatable thereon, a first eccentric member driven from the shaft, a second eccentric member driving the concentric sleeve, a coupler member between the first and second eccentric members precluding rotation of them relatively to each other on their own centers and permitting their centers to revolve relatively to each other about the said shaft, bearings, one for each of the eccentric members, eccentric to the shaft and concentric to the eccentric members for maintaining the eccentricity to the shaft member of the two eccentric members and a device engaging the said bearing for the first eccentric member for changing the direction of the eccentricities to the said shaft of the said bearings relatively to each other.

**2,116,625**
**NAVIGATION APPARATUS**
Elmore L. Grant, Los Angeles, Calif.
Application May 27, 1935, Serial No. 23,741
2 Claims. (Cl. 250—11)



1. A navigating apparatus comprising: a pair of radio signal receiving units each including a signal operated direction finder and a loop antenna electrically connected, a magnetic compass mounted intermediate said receiving units, a pair of independently operable indicators associated with said magnetic compass, gearing positively connecting said antennae with said indicators, for indicating the angularity of said antennae relative to magnetic North as shown on said magnetic compass, and means for manually and independently operating said antennae to different extent, said gearing including separate gears surrounding said compass and each gear associated with a different antenna and independently operable thereby.

**2,116,626**
**COMPRESSION STOP AND DRAIN VALVE**
Joseph R. Guildford, Regina, Saskatchewan, Canada
Application November 16, 1936, Serial No. 111,019
11 Claims. (Cl. 251—20)

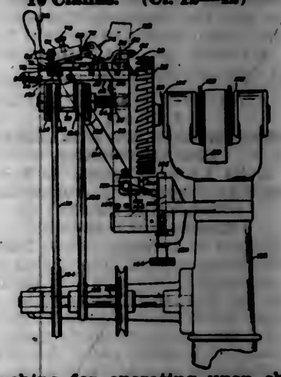
1. A compression stop and drain valve comprising a valve casing, a web carried across the casing and provided with an opening for the passage of fluids, an annular valve seat provided outwardly of and surrounding said opening, a movably disposed valve stem, a compressible annular member provided on one end of said valve stem, said compressible annular member forming closure means for said opening, a fluid inlet to said valve casing, a fluid outlet from said valve casing, said fluid inlet and outlet separated by said web and said compressible annular member when said opening is closed, a handle mounted on a portion of the valve stem, said handle being provided for rotatively moving said compressible annular member to and away from said valve seat, a continuous passage for draining a fluid directly from said fluid outlet to atmosphere beyond said handle,





said passage extending longitudinally through said valve stem forming unbroken means of communication between said fluid outlet and said atmosphere, a cap provided with a compression washer mounted on the remaining end of said valve stem, said cap and washer forming closure means for said continuous passage.

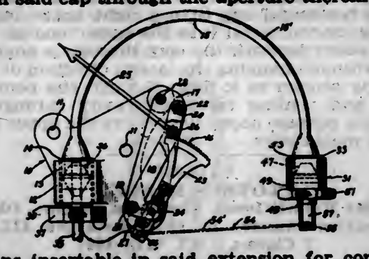
**2,116,627**
**MACHINE FOR SLOTTING HEELS**
George Haselton, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 9, 1936, Serial No. 58,327
In Great Britain March 22, 1935
10 Claims. (Cl. 12—42)



1. A machine for operating upon shoe parts having, in combination, a cutter, a carrier for a shoe part, manually operated means for moving the carrier, and mechanically operated means for enabling the carrier to be moved toward the cutter by said manually operated means at a predetermined speed.

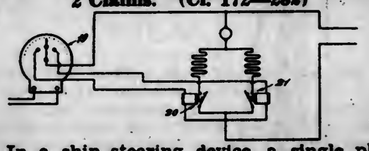
**2,116,628**
**PRESSURE GAUGE**
Otto W. Heise, Bridgeport, Conn.
Application June 3, 1936, Serial No. 83,188
7 Claims. (Cl. 73—109)

6. In a pressure gauge the combination of a Bourdon tube having an outer free end; an apertured cap having a threaded connection with said Bourdon tube; an internal shoulder on said cap; a plug having a tapered wall and having a port therein; a backing flange on said plug cooperable with said cap shoulder to force the tapered wall into firm sealing engagement with said free end; an extension on said plug, extending outwardly from said cap through the aperture therein; and



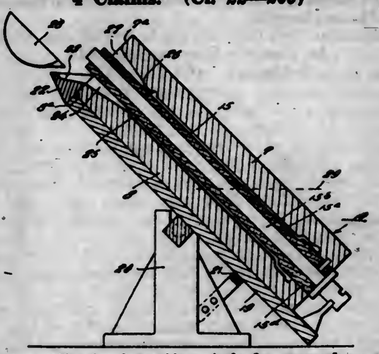
means insertable in said extension for controlling said plug port.

**2,116,629**
**AUTOMATIC STEERING MECHANISM**
Curtiss L. Hill, Tacoma, Wash., assignor of one-half to R. Clayton McRae, Tacoma, Wash.
Application March 25, 1935, Serial No. 13,001
2 Claims. (Cl. 172—252)



1. In a ship steering device, a single photoelectric cell, a source of light, a compass card arranged to permit the light from said source to fall on the cell in varying degrees according to the position of the card relative to the light and cell, a single circuit controlled by said varying light, a reversible motor controlled by said circuit, and means for driving the motor in one direction when an insufficient amount of light falls on the cell and in the opposite direction when a relatively large amount falls thereon, the motor being inoperative when an intermediate amount falls thereon, and a steering rudder operated by said motor, said compass card including adjacent zones, one of which cuts off light entirely and the other permits of its passage to the cell, and the beam of light being sufficiently broad to at times overlap a substantial portion of the zones, during which period the motor is inoperative.

**2,116,630**
**METHOD OF CASTING TUBULAR MEMBERS**
Donald E. Jones, Jackson, Ohio
Application August 29, 1936, Serial No. 98,592
4 Claims. (Cl. 22—209)



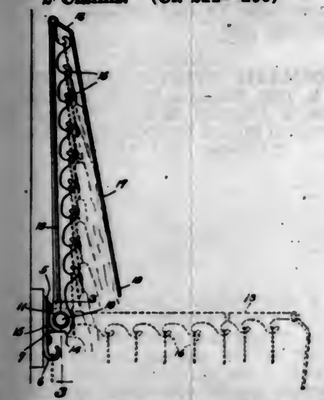
1. A method of casting tubular members in a gas impervious stationary mold cavity having a

core extending entirely through the mold cavity comprising disposing the mold cavity at an angle to the horizontal less than a right angle, introducing molten metal into the upper end of the mold cavity beneath the core through a pouring gate without changing the lateral direction of the pouring stream as it flows through the pouring gate, and venting the mold cavity through a separate passage above the core at the upper end of the mold cavity.

### 2,116,631
### CLOTHES HANGER

La Mar Russell Jones, Cleveland Heights, Ohio

Application January 30, 1937, Serial No. 123,305
2 Claims. (Cl. 211—100)

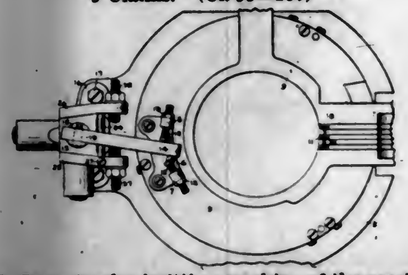


1. A garment hanger comprising a bracket adapted to be secured to a supporting surface, a stationary member having a clutch face, extending from the bracket, a lug on said stationary member, an arm pivotally mounted on the stationary member, a clutch face on the arm cooperating with the clutch face of the stationary member restricting movement of the arm with respect to the bracket, a lug on the arm and adapted to move into engagement with the lug on the stationary member, holding the arm in its extended position, and means for urging the clutch faces together.

### 2,116,632
### BUMPER BRACKET FOR KNITTING MACHINES

Robert H. Lawson, Pawtucket, and Augustin Gagné, Central Falls, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application October 21, 1935, Serial No. 45,936
In Canada October 26, 1934
9 Claims. (Cl. 66—107)

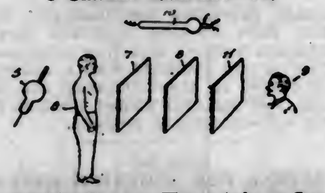


1. In a circular knitting machine of the revolving needle cylinder type, a normally stationary sinker cam cap for controlling the movements of sinkers, the said sinker cam cap, during reciprocatory movements of the needle cylinder, having a limited to and fro movement, cooperating engaging formations on the said sinker cap and on a stationary part of the knitting machine for limiting the said to and fro movements of the sinker cap during reciprocatory knitting, said limiting means including a movable member, the movements of which are friction-resisted.

### 2,116,633
### LIGHT FILTER

Bernard Long, Paris, France, assignor to Societe Anonyme Des Manufactures Des Glaces & Produits Chimiques De Saint-Gobain, Chauny & Cirey, Paris, France

Application January 14, 1935, Serial No. 1,591
In France January 16, 1934
8 Claims. (Cl. 250—34)



1. In combination, an X-ray tube, a fluorescent screen adapted to emit visible light rays when influenced by X-rays emitted by said X-ray tube, and a filter consisting of glass containing neodyme oxide with the addition of lead oxide and barium oxide, said filter being interposed between said screen and the observer, whereby the visibility of the image produced on said fluorescent screen is increased and the X-rays emitted by said X-ray tube are absorbed.

### 2,116,634
### PROCESS OF MAKING ROLLED OATS CEREAL FLAKES

Delia Lyons, Corona, N. Y.

No Drawing. Application August 8, 1934, Serial No. 738,934
2 Claims. (Cl. 99—83)

1. The process of forming cereal flakes edible without additional cooking from rolled oats, consisting in immersing rolled oats in boiling water and mixing the mass to form a doughy composition, shaping the mass into predetermined form and allowing the same to harden, shaving the hardened mass to produce paper thin flakes, and drying the flakes by a heat toasting action.

### 2,116,635
### MIXED POLYVINYL RESINS AND METHOD OF MAKING SAME

Howard W. Matheson, Montreal, Quebec, and George O. Morrison, Shawinigan Falls, Quebec, Canada, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada, a corporation of Canada

No Drawing. Application December 1, 1933, Serial No. 700,698
5 Claims. (Cl. 260—2)

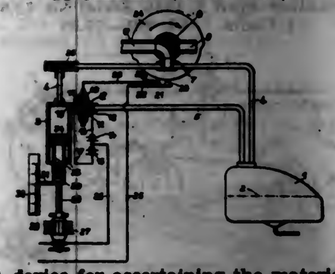
1. A process of making mixed resins which comprises reacting together a polyvinyl ester, water and an aldehyde with hydrolysis of the ester and condensation of the hydrolysis product with the aldehyde and subsequently reacting on the product of said reaction with a different aldehyde with further hydrolysis and with condensation of the hydrolysis product with the second aldehyde, the reactions being carried out in presence of an acid reacting substance as catalyst and until the total hydrolysis is at least 66%.



### 2,116,636
### DEVICE FOR INDICATING THE AMOUNT OF MATERIAL IN A TANK

Georg Neumann, Berlin, Germany

Application February 17, 1937, Serial No. 126,132
In Germany February 18, 1936
14 Claims. (Cl. 73—290)

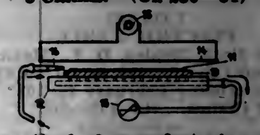


1. A device for ascertaining the material contents of a closed tank comprising a tank, an auxiliary tank, means connected with the two tanks for producing pressure changes therein, means connected with the two tanks and responsive to the difference between the velocities of the pressure changes in said tanks, an indicating means, and means connected with the second-mentioned and the third-mentioned means for operating the third-mentioned means in dependency upon said difference.

### 2,116,637
### SECONDARY X-RAY DIAPHRAGM AND METHOD OF MANUFACTURING THE SAME

Carl Niemann, Erlangen, Germany, assignor to firm Siemens-Reiniger-Werke Aktiengesellschaft, Berlin, Germany

Application June 6, 1936, Serial No. 83,952
In Germany June 8, 1935
3 Claims. (Cl. 250—34)



1. In a method of manufacturing diaphragms for secondary X-rays, the steps of coating at least one surface of a single strip which includes a layer of an X-ray impervious material with an adhesive substance, heating said strip until said adhesive substance becomes substantially soft, causing the softened adhesive substance to solidify, and maintaining said softened adhesive substance at least during the last-mentioned step in contact with a surface of another single strip which includes a layer of an X-ray impervious material, thereby firmly interconnecting said two strips in their proper relative positions.

### 2,116,638
### ADVERTISING DEVICE

Leendert Prins, Wassenaar, Netherlands

Application December 17, 1935, Serial No. 54,891
1 Claim. (Cl. 40—139)

An advertising device comprising a housing, a transparent window in the front wall of said housing, vertical guides within the housing, a transparent plate arranged in said guides for vertical reciprocating movement, a spring yieldingly suspending said transparent plate, an electrical vibrator concealed within the lower portion of the

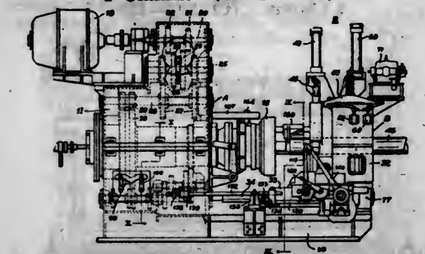


housing and having its armature engaged with the lower end of said transparent plate for rapidly raising said transparent plate and permitting lowering thereof by gravity alternately, and an article to be advertised carried by and movable with said transparent plate.

### 2,116,639
### METAL THREADING APPARATUS

Edward J. Protin, Charleroi, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application October 14, 1936, Serial No. 105,539
4 Claims. (Cl. 10—105)



1. The combination with threading die mechanism for pipes and the like, of a chuck carriage, a wide-pitch screw and nut device for moving the carriage toward and from the die mechanism at a rapid rate, a smaller pitch screw and nut device for advancing the carriage at a slower rate, a rack bar mounted on a stationary support for longitudinal movement thereon, a rack bar carried by and shiftable longitudinally of the carriage, said bars being disposed parallel to the path of carriage movement, a pinion meshing with the rack bars and journalled in the carriage, a lever on the carriage movable in opposite directions from a neutral position to selectively effect forward and rearward driving engagement between the wide-pitch screw device and the carriage, a connection between said lever and the second-named rack bar whereby the bar is shifted longitudinally when the lever is moved and whereby the lever is moved through movement imparted to said bar by the pinion, means for imparting rotative movement to the

pinion at a predetermined advanced position of the carriage, for shifting the lever to neutral position, a stop device for limiting rearward movement of the first-named rack bar whereby the pinion is rotated to effect movement of the lever to neutral position at a predetermined point in the rearward travel of the carriage, a lever on the carriage movable to effect driving engagement between the smaller pitch screw device and the carriage, and means for preventing operation of either of said levers when the other lever is in operative position.

2,116,640

**PRODUCTION OF MOLECULAR COMPOUNDS**

Kurt Quehl, Zwickau, Germany, assignor to Chemische Fabrik Theod. Rotta, Zwickau, Germany

No Drawing. Application February 24, 1936, Serial No. 65,432. In Germany February 27, 1935

13 Claims. (Cl. 260—10)

1. As a new composition of matter the molecular compound containing carbamide and saccharoses as components in molecular proportion up to 2:1, and disclosing the chemical properties of the said components, but having lower crystalline force than each of said components and less adhesive power than sugar in the form of more highly concentrated solutions.

2,116,641

**RECOVERY OF VALUABLE BY-PRODUCTS DURING THE PRODUCTION OF GAS AND COKE**

Walter Reppekus, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application April 8, 1936, Serial No. 73,231

In Germany January 29, 1935

4 Claims. (Cl. 202—139)



1. A horizontal coking retort oven comprising: a horizontal coking chamber indirectly heated by side wall heating flues therefor along the length of the coking chamber; a catalytic gas treatment chamber arranged in the roof of the oven lengthwise immediately over the gas collecting crownspace of the coking chamber; gas-ports distributed along the length of the top of the coking chamber for flow of coke oven gas from the gas collecting space into the catalytic-treatment chamber and distillate offtake means for off-flow of the coke oven gas from the catalytic-treatment chamber; means for heating the gas treatment chamber, and catalytic material adapted to favor the thermal conversion of coke oven gas into benzene and its homologues disposed inside said catalytic-treatment chamber, the catalytic material being contained in carrying bodies therefor removably mounted inside said treatment chamber in such manner that the coke oven gas passes in contact with the catalyst material and is catalytically converted to benzene and its homologues in the course of its normal evolution from the coking coal and rapid off-flow from the coking coal on its way to the distillate offtake means from the ports from the gas collecting space.

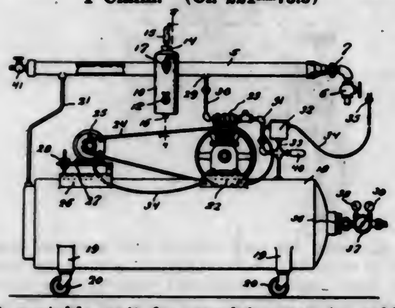
2,116,642

**GAS SUPPLYING APPARATUS**

Carl R. Richter, Schenectady, N. Y.

Application April 3, 1936, Serial No. 72,642

1 Claim. (Cl. 221—73.5)



A portable unit for supplying gas to welding torches and the like, including a horizontal high pressure gas storage tank having a gas outlet at one end, a pressure regulator connected with said gas outlet and adapted for connection with the gas supply hose of a welding or like torch, wheeled supporting means for said storage tank, a motor-operated compressor mounted on and having its discharge port connected with said storage tank, a horizontal elongated manifold mounted on and arranged longitudinally of said storage tank above said compressor, said manifold having a plurality of relatively restricted gas outlets and provided at one end with means to detachably couple the same to a relatively smaller low pressure gas supply pipe, and means connecting one of said manifold outlets with the gas intake of said compressor.

2,116,643

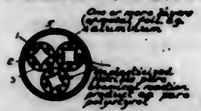
**ELECTRIC CABLE**

Helge Rost, Mexico, D. F., Mexico

Application July 19, 1933, Serial No. 681,136

In Germany February 15, 1932

8 Claims. (Cl. 173—265)



1. A cable for communication purposes, comprising a flexible insulating sleeve, a flexible electric conductor enclosed in said sleeve, the latter consisting of a pure polymerization product of a substituted benzene, in which each substitute radical comprises a vinyl group, said polymerization product being an unplasticized, synthetic, organic product which is homogeneous, isotropic, and substantially non-hygroscopic, and free from hydroxyl groups.

5. An electric quad-cable for communication purposes, comprising an outer insulating sleeve, a plurality of inner sleeves disposed inside the outer sleeve, a hollow insulating core of substantially quadrangular, equilateral cross section disposed inside each one of said inner sleeves, each



insulating core providing recesses between the core and the surrounding inner sleeve in order to form air spaces between the core and the inner sleeve appertaining thereto, and a plurality of electric conductors disposed in said recesses on each core and at equal distances from one another to form quad-circuits, whereby a large portion of each of said conductors is exposed to the surrounding air, the said inner sleeves and cores consisting of a polymerized vinyl-benzene.

7. A cable for transmission of intelligence and other purposes, comprising an insulating sleeve and an electric conductor disposed inside said sleeve, the latter consisting of a thin, flexible, unplasticized foil of pure polystyrol.

2,116,644

**HAIR WAVING APPARATUS**

Peter Santurelle, Columbus, Ohio

Application May 26, 1937, Serial No. 144,768

9 Claims. (Cl. 132—36)



1. A hair-waving device comprising a mandrel upon which the hair is adapted to be wound, a pair of hair-clamping members pivotally carried by the mandrel and adapted to be brought into engagement with each other, each of said hair-clamping members comprising an elongated gripping portion having portions at each end projecting therefrom which are pivotally connected to the mandrel, and means for forcing the hair-clamping members tightly together.

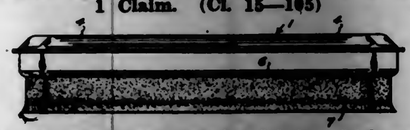
2,116,645

**TEXTILE CLEANING TOOL**

Max M. Silverman, Hartford, Conn., assignor to Better Brushes, Inc., Palmer, Mass., a corporation of Massachusetts

Application March 12, 1936, Serial No. 68,456

1 Claim. (Cl. 15—105)



An implement for cleaning fabrics which comprises a back member formed of a hard smooth material capable of acquiring an electrostatic charge when rubbed against cloth, said member being provided with ribs on one face thereof, and a block of soft porous sponge rubber, capable of similarly acquiring an electrostatic charge, fastened on that face of the back member opposite the ribbed face thereof, said back member having side portions extending over and crimped against the adjacent side portions of the sponge rubber block whereby the entire surface of the implement is rendered capable of acquiring an electrostatic charge.

2,116,646

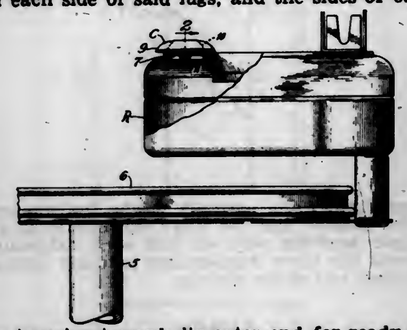
**SMOKING STAND**

Edward Schultz, Chicago, Ill., assignor to The Nagel-Chase Mfg. Co., Chicago, Ill., a corporation of Illinois

Original application April 11, 1934, Serial No. 720,034. Divided and this application November 25, 1935, Serial No. 51,455

1 Claim. (Cl. 131—51)

In a smoking stand having an ash receiver and a slotted horizontal supporting wall adjacent said receiver, a cigarette rest mounted in the slot in said wall to extend therebeyond and overlie said receiver, said rest comprising an elongated trough-shaped plate having flanges depending from its opposite high sides adjacent the central region of said plate only, each of said flanges terminating in a lug of less width than said flanges providing spaced wall-engaging portions on each side of said lugs, and the sides of each



lug tapering towards its outer end for ready insertion through the slots in said wall, whereby said lugs when clenched through the slots in said wall engage the underside thereof and draw the spaced portions of said flanges into rigid supporting engagement with the top side of said wall adjacent each end of the slot therein, leaving the troughed end portions of said plate unsupported.

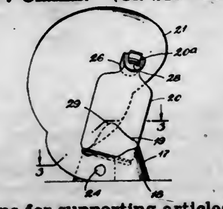
2,116,647

**DEVICE FOR SUPPORTING AND DISPLAYING MERCHANDISE**

Nicholas Snelling, Evansville, Ind., assignor to National Process Co. Inc., New York, N. Y., a corporation of New York

Application August 7, 1936, Serial No. 94,774

7 Claims. (Cl. 248—174)



3. A means for supporting articles of merchandise in an inclined position, comprising a support formed of thin lightweight sheet material having substantially the shape of a truncated cone and having an irregular upper edge, said edge shaped to conform to the shape of the article to be supported in such manner that the weight of the article is substantially equally distributed throughout the extent of said edge, thereby preventing localized stresses or strains on any part of the wall structure of said support.

2,116,648

**DAMPER**

James Mart Tapley, Winnipeg, Manitoba, Canada

Application April 1, 1936, Serial No. 72,185

In Canada April 1, 1935

1 Claim. (Cl. 126—296)

In pipe dampers, the combination with a length of pipe, of a pair of similar independently mounted and operable, selectively spaced check damp-

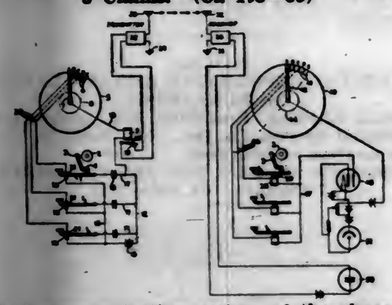
ers contained within the pipe and constructed to provide in their closed position an inclined descending smoke passage between the dampers and having the upper end of the lower damper provided with an end wing extending towards the



upper damper and partially closing the one end of the passage and the lower end of the upper damper provided with an end wing extending towards the lower damper and partially closing the other end of the passage.

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**2,116,649**
**COMMUNICATION SYSTEM**
**Glenn W. Watson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York**
**Application January 16, 1935, Serial No. 2,062**
**3 Claims. (Cl. 178—35)**



1. A communication system of the character described comprising, in combination, means to receive a continuous or prolonged impulse, the discontinuance of which at predetermined timed intervals representing various character designation signals, a light source controlled by said receiving means, a circuit including light sensitive means controlled by said light source so that upon discontinuance of the prolonged impulse a source of current energizes said circuit, and recording means controlled by said circuit and operated in accordance with the character signals upon energization of said circuit.

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**2,116,650**
**ARCHER'S BOW**
**Frank J. Zima, Geneva, Ohio**
**Application June 24, 1936, Serial No. 87,071**
**4 Claims. (Cl. 124—23)**

1. In an archer's bow, the combination with a primary wooden bow-leaf, of means for reinforcing and increasing the spring tension of said primary bow-leaf including a tension spring and similar flexible metal strips attached to the opposite ends of said spring, said tension spring being disposed in front of the intermediate portion of the primary wooden leaf, and said metal strips extending and being freely movable longitudinally of and along the front surface of the



end portions of the primary leaf and having their outer ends attached to the tips of said primary leaf.

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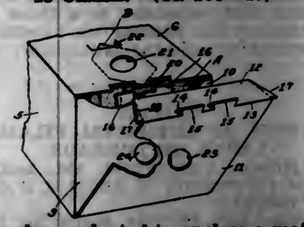
**2,116,651**
**TONGS**
**Alfred H. Ackerson, Chicago, Ill., assignor to Utili-Tong, Inc., Chicago, Ill., a corporation of Illinois**
**Application February 17, 1936, Serial No. 64,259**
**5 Claims. (Cl. 294—100)**



1. Tongs of the class described comprising a hollow tubular body member of generally cylindrical cross section, the walls at one end of said body member being turned generally inwardly, a plunger disposed within said hollow body member and extending therefrom at both ends of the body member, the plunger being guided at said one end by virtue of said turned-in wall portions, wall portions at the other end of said hollow body member being indented longitudinally of the body member and at diametrically opposite sides thereof, the indented wall portions of the body member being spaced apart to receive the lower end of said plunger, spring members seated in said diametrically opposite indented portions of the hollow body member, and means carried at the lower end of said plunger and engaging said spring members for controlling the position thereof.



**2,116,652**
**PACKAGE**
**Leon Adler, St. Louis, Mo.**
**Application October 5, 1935, Serial No. 43,691**
**13 Claims. (Cl. 206—47)**

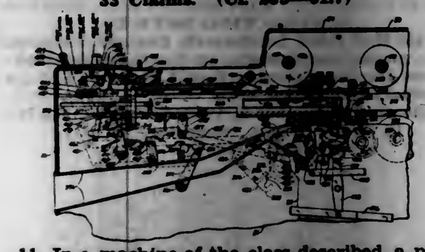


1. A package adapted to enclose a main object and receive an auxiliary object of a much smaller size, a wall of said package having a permanent opening therethrough of a size smaller than said auxiliary object and through which the latter packed in said package may be viewed from without, a slit through said wall adjacent said opening to receive an edge of said auxiliary object, and an end flap on said package insertable into the latter beneath said auxiliary object to push the latter toward said apertured wall.

7. A prism carton one of the side walls of which is provided with a flap folded transversely toward the opposed side wall and having a dovetail-shaped lug at an edge, the adjacent end wall of said carton provided with a flap extension to be folded within said carton to overlie said lug and provided with a notch at said line of fold to receive said lug and interlock therewith.

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**2,116,653**
**TABULATING AND ACCOUNTING MACHINE**
**John W. Armbruster, Brooklyn, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York**
**Application February 5, 1930, Serial No. 425,966**
**33 Claims. (Cl. 235—61.7)**

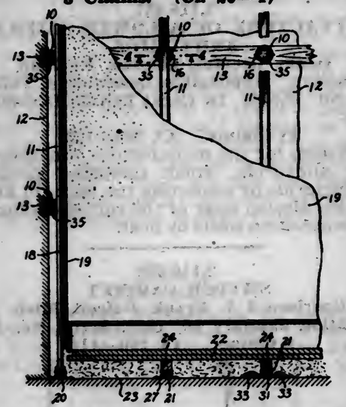


11. In a machine of the class described, a plurality of totalizers, actuating racks for the totalizers, means tending to engage the totalizers with said racks, a bar for obstructing the engagement of the totalizers but provided with notches to allow the engagement of the totalizers with the racks, the notches being so placed that upon movement and positioning of the bar in one direction one particular totalizer will always be engaged and a different one of the other totalizers will be engaged for each step of movement of said bar, upon movement of the bar in the other direction only one of the same notches will be in a position to allow only one totalizer to engage said racks.

13. In an accounting machine, a plurality of actuators, means for determining the extent of movement of the actuators, means for moving said actuators, devices for accumulating the amounts presented by the actuators, and control devices which determine whether accumulating will occur or not, depending upon the magnitude of the amount presented by said actuators.

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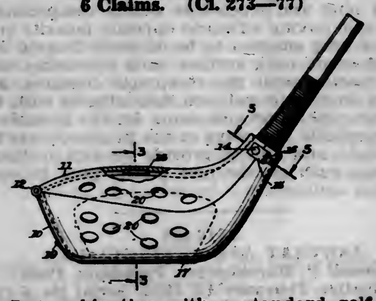
**2,116,654**
**SOUNDPROOF BUILDING CONSTRUCTION**
**William D. Barge, Pelham, N. Y.**
**Application February 21, 1935, Serial No. 7,537**
**3 Claims. (Cl. 20—4)**



1. A sound-deadening support for resiliently connecting opposed structural members in which a coil spring is attached at its ends to the respective structural members and surrounds a core of vibration-deadening material held in a compressed condition within the spring by contact at its ends with said structural members.

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**2,116,655**
**ATTACHMENT FOR GOLF CLUBS**
**James Berrittella, Yonkers, N. Y.**
**Application February 6, 1933, Serial No. 655,375**
**6 Claims. (Cl. 273—77)**



1. In combination with a standard golf club having a head and shank, a casing adapted to completely enclose said head to increase the weight thereof for practice purposes, said casing having extending portions adapted to be secured to said shank when the club is held in the hand of the player.

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**2,116,656**
**MANUFACTURE OF A LOWER FATTY ACID ANHYDRIDE**
**Henry Dreyfus, London, England**
**No Drawing. Application July 18, 1934, Serial No. 735,787. In Great Britain August 23, 1933**
**15 Claims. (Cl. 260—123)**

1. Process for the manufacture of the anhydride of a lower fatty acid, which comprises sub-





devices so that the one representing a minuend digit

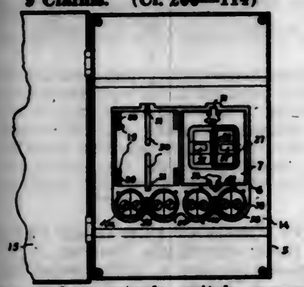
normal temperature but without tearing of the

jecting to reaction, under the action of heat at a temperature of 100 to 140° C., a salt of said lower fatty acid and a pyrosalt selected from the group consisting of pyrosulphates and pyrophosphates, one of the reactants being a salt of a nitrogen-containing volatile base selected from the group consisting of ammonia and the amines and the other a salt of a non-volatile base.

2,116,657
**MANUFACTURE OF A LOWER ALIPHATIC ANHYDRIDE**
Henry Dreyfus, London, England
No Drawing. Application December 4, 1935, Serial No. 52,826. In Great Britain December 7, 1934
11 Claims. (Cl. 260—123)

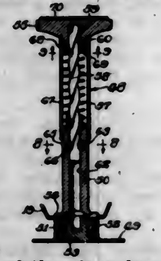
1. Process for the manufacture of a lower aliphatic anhydride, which comprises producing said anhydride by subjecting the vapor of an unsaturated alcohol ester of the corresponding acid to decomposition solely by heat.

2,116,658
**SWITCH CABINET**
Harrison J. L. Frank, Detroit, Mich.
Application January 20, 1936, Serial No. 59,875
9 Claims. (Cl. 200—114)



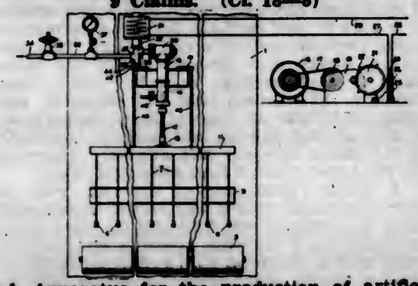
1. A plug and receptacle switch comprising a receptacle having adjacent opposite polarity contacts, a plug adapted to be disposed therein and having on its back surface back projecting contacts mating with the receptacle contacts, and having on its end wall end slots aligned with the plug contacts to provide vents for the interior of the receptacle and ways to the plug contacts for test leads, and also to provide an extraordinary creepage path on the end of the plug between the plug contacts.

2,116,659
**ASHTRAY AND EXTINGUISHER**
Russell P. Harshberger, Pasadena, Calif.
Application February 14, 1935, Serial No. 6,415
13 Claims. (Cl. 131—51)



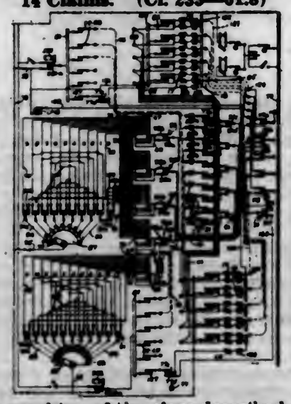
1. In a device of the class described, a receptacle for receiving smoker's refuse, means providing an extinguisher adapted to operate upon and extinguish the burning tip of a lighted smoker's article, said receptacle supporting said extinguisher in position to receive all refuse falling therefrom, and means cooperative with said extinguisher and responsive to a force applied thereto through the burning tip to effect relative movement between the extinguisher and the tip.

2,116,660
**FORMATION OF ARTIFICIAL FILAMENTS, YARNS, OR THREADS**
Canfield Hutson, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application July 22, 1936, Serial No. 91,816
9 Claims. (Cl. 18—8)



1. Apparatus for the production of artificial filaments having appreciable variations in denier along the length thereof, comprising a reciprocating member having a guide through which filaments are caused to pass and means for causing said reciprocating member to rise slowly at a substantially constant speed and to be lowered abruptly, said means including a source of fluid pressure and means for controlling the operation of said fluid pressure.

2,116,661
**SUBTRACTING DEVICE**
Harold Hall Keen, Letchworth, England, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 2, 1932, Serial No. 640,741
In Great Britain November 27, 1931
14 Claims. (Cl. 235—61.8)



1. In a machine of the class described, a pair of accumulating devices, means for operating said devices so that the one represents a minuend digit and the other a subtrahend digit, a pair of members each controlled by an associated accumulating device, means under control of said devices for moving said members so that the displacement of one member relatively to the other is representative of the difference between the minuend and subtrahend digits, and a recording device controlled by the pair of members for recording the digit represented by the relative displacement between the pair of members.

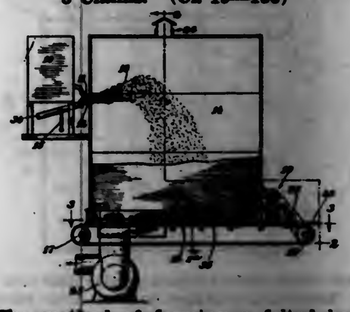


2,116,662
**INSULATED REFRIGERATOR CASING**
Harvey B. Lindsay, Chicago, Ill., assignor to Dry-Zero Corporation, Chicago, Ill., a corporation of Delaware
Application March 12, 1936, Serial No. 68,367
3 Claims. (Cl. 220—14)



1. In a refrigerating device, an outer casing and an inner lining having insulation material therebetween, said outer casing having a water discharge opening at the bottom thereof, and a sheet of absorptive material secured to said outer casing and covering said discharge opening.

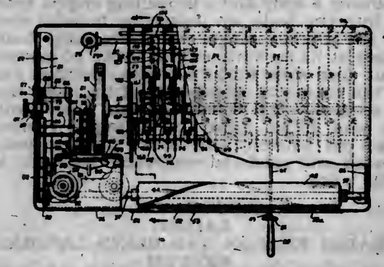
2,116,663
**METHOD AND MEANS FOR SHAPING FELTS OF FRANGIBLE FIBERS**
Edward R. Powell, Alexandria, Ind., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application April 7, 1934, Serial No. 719,478
8 Claims. (Cl. 19—156)



5. The method of forming a felted body of fibers comprising forming a mass of fibers from heat liquified material, depositing said fibers in a felted body upon a conveyer and continuously advancing said conveyer and deposited body of fibers, contacting the side edges of the felted body with moving surfaces during advance of the body to confine the side edges and thereby shape the body while the fibers are substantially above normal temperature but without tearing of the body, and applying pressure to a face of said felted fibers before they reach normal temperature for compressing them into a finished felted body.

8. In forming a felt of frangible fibers of the type of mineral wool, the method which comprises introducing into a settling chamber a suspension of the fibers in a large volume of a gas, causing a large part of the fibers to travel in a relatively smooth path and to settle on a gas permeable member forming the bottom of the said chamber predominantly at a position remote from the part of the chamber into which the said suspension is first introduced, and withdrawing a large proportion of the said gas from the chamber through the said member at a position adjacent to the said part of the chamber, thereby causing said large proportion of the gas to take a path through the chamber which turns more sharply than the path of the fibers so as to separate the gas from the fibers.

2,116,664
**RECORDER**
Alfred L. Sprecker, Freeport, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 14, 1934, Serial No. 715,436
22 Claims. (Cl. 234—53.5)



1. In an elapsed time recorder, a plurality of elapsed time units, recording mechanism including an elapsed time recording element controllable by any selected unit, and selecting mechanism including a single manual operating member common to all of said units for selecting an elapsed time unit, and means actuated by said member for operating the recording element under control of the selected unit.

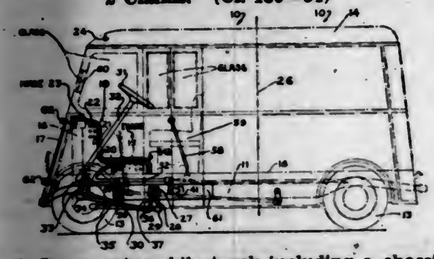
2,116,665
**PROCESS OF RECOVERY OF POLYHYDRIC ALCOHOLS**
Kenneth R. Brown, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 11, 1936, Serial No. 100,390
9 Claims. (Cl. 195—2)

1. The process of separating the constituents of liquor obtained by the reduction of sugars and containing at least one polyhydric alcohol having more than four hydroxyl groups which comprises concentrating the liquor by evaporation under vacuum until it has a water content of from 1% to 20%, adding to the concentrated liquor a monohydric alcohol selected from the group consisting of ethyl and methyl alcohols, maintaining the resulting mixture at a temperature sufficient to dissolve at least 85% of the polyhydric alcohol present, removing from the hot mixture any un-

dissolved constituents composed principally of inorganic salt, directly cooling the remaining solution to effect selective separation of any hexahydric alcohol selected from the group consisting of mannitol and dulcitol and removing from the mixture any hexahydric alcohol so separated.

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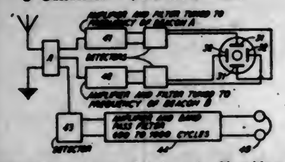
2,116,666
**TRUCK CONVERSION**
Philip Carlson, Long Hill, Conn., assignor, by direct and mesne assignments, to The Metropolitan Body Company, Bridgeport, Conn., a corporation of Connecticut
Application June 11, 1936, Serial No. 84,765
2 Claims. (Cl. 180—54)



1. In an automobile truck including a chassis mounting a body and a propelling engine extending into the body, an insulating housing enclosing the engine within the body, said housing hinged at its forward end for swinging movement to an open substantially vertical position exposing the engine to the interior of the body, means for securing such housing in said open position, and said hinge means including a removable hinge pin whereby the entire housing may be released and rendered removable from the body of the truck.

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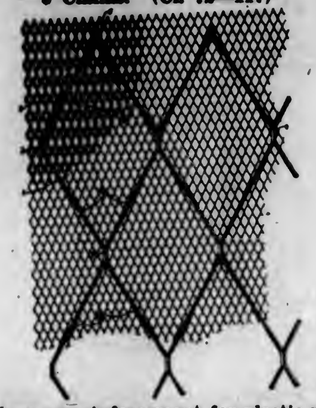
2,116,667
**RADIO BEACON AND BLIND LANDING SYSTEM**
Henri Chireix, Paris, France, assignor to Compagnie Generale De Telegraphie Sans Fil, a corporation of France
Application June 12, 1935, Serial No. 26,179
In Spain and Tunis April 11, 1934
6 Claims. (Cl. 250—11)



5. The method of producing indications on the screen of a cathode ray tube for the guidance of an aircraft pilot when making a blind landing, which comprises, emitting directional ultra-high frequency beams from each of two points adjacent a landing field, orienting the axes of said beams in a general direction toward the point of approach of the aircraft, modulating the carrier wave energy of said beams, each at a frequency different from that of the other, superimposing on each of said beams a second modulation of one frequency but with a phase difference therebetween as applied to the respective beams, simultaneously receiving and detecting the combined radiations of the two beams, separating the modulation components of the respective beams one from another, detecting the phase-differentiated modulations and utilizing the same as horizontal and vertical deflecting forces in response to which an electron beam in said cathode ray tube is caused to describe a significant visual pattern.

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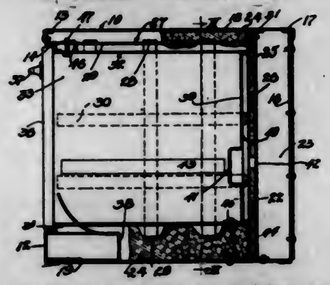
2,116,668
**REINFORCEMENT FOR PLASTIC MATERIAL**
Leonard W. Cress, Wheeling, W. Va., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va., a corporation of West Virginia
Application September 24, 1936, Serial No. 102,316
6 Claims. (Cl. 72—117)



2. A base or reinforcement for plastic material including a sheet of "Diamond" mesh metal lathing, and a sheet of relatively large mesh "Golding" fabric rigidly secured to one face of said lathing sheet and serving as reinforcement therefor.

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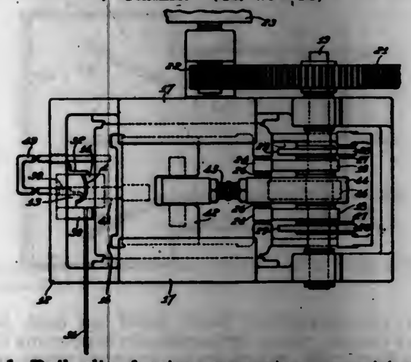
2,116,669
**OVEN CONSTRUCTION**
Thomas E. Dadson, Royal Oak, Mich., assignor to Electromaster, Inc., Detroit, Mich., a corporation of Michigan
Application October 25, 1937, Serial No. 170,769
10 Claims. (Cl. 126—273)



2. An oven construction comprising an outer shell, thermal insulation arranged to cover the inside surfaces of the outer shell, a frame secured to the outer shell and adapted to retain the insulation in place, a hearth arranged to be slid into said frame, a bracket secured to the bottom of said shell and adapted to support said hearth, and threaded means securing said hearth to said shell and to said bracket respectively, said means being accessible for disconnection from the inside of said hearth.



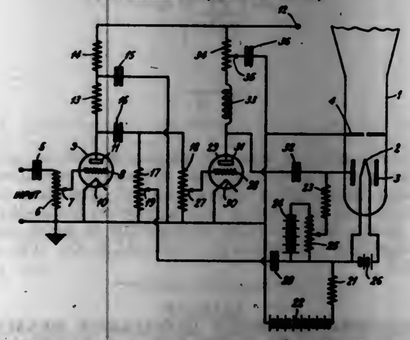
2,116,670
**FORGING APPARATUS**
Charles W. Dawson, Oakmont, Pa., assignor to Woodings-Verona Tool Works, Verona, Pa., a corporation of Pennsylvania
Application April 21, 1937, Serial No. 138,202
7 Claims. (Cl. 29—34)



1. Rail clip forging apparatus comprising a male die and a female die adapted to be reciprocated relative to each other towards and away from each other and being provided with cooperating opposed faces corresponding in contour to the body of the clip to be formed from a plate disposed between them, said dies being provided with aligned passages extending through said faces, and a punch reciprocable in said passages and formed for punching a tongue from said plate and bending it into the male die passage.

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2,116,671
**CATHODE RAY OSCILLOGRAPH**
Harry Melville Dowsett, Winchmore Hill, London, England, and Robert Cadzow, Ardentinny, Scotland, assignors to Radio Corporation of America, a corporation of Delaware
Application November 22, 1935, Serial No. 51,038
In Great Britain October 26, 1934
8 Claims. (Cl. 250—27)



8. In a cathode ray system wherein the cross sectional area of the cathode ray beam in the tube is distorted and said beam is deflected due to variations in the input signals to said tube, the method of correcting for said aforementioned distortion which comprises the steps of developing potentials of a like frequency but of opposing phase from said input signals, and maintaining the electrostatic relationship between the electrodes of the tube substantially constant by means of said oppositely phased developed potentials.

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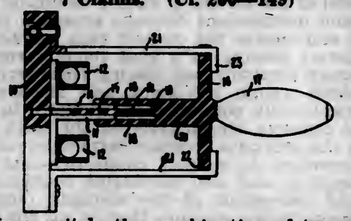
2,116,672
**GASEOUS ELECTRIC DISCHARGE DEVICE**
Hans Ewest, Berlin-Lichterfelde-Ost, and Georg Gaidies, Berlin-Pankow, Germany, assignors to General Electric Company, a corporation of New York
Application August 21, 1936, Serial No. 97,292
In Germany August 31, 1935
4 Claims. (Cl. 176—122)



1. A cathode glow lamp comprising a tubular container, a gaseous atmosphere therein, an elongated, angular cathode and an anode sealed therein, said cathode being a rectangular plate folded along its length, the angle between the sides of said cathode being between 50° and 20°, said anode being mounted in front of the open side of said cathode and having a slit therein in line with the vertex of said cathode.

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2,116,673
**SWITCH**
Lawrence E. Fisher and William H. Frank, Detroit, Mich.
Application August 12, 1935, Serial No. 35,732
7 Claims. (Cl. 200—149)

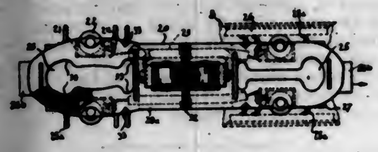


1. In a switch, the combination of two rigidly mounted, inflexible, sturdy, relatively insulated adjacent parallel stationary contacts having free ends, one of the contacts being permanently connected to an energized line so as to be normally live, a housing of insulation comprising two adjacent parallel insulation cells disposed over and capping the free ends of the stationary contacts, the housing thus being mounted by the stationary contacts for reciprocation along them, each cell containing a contact for making with a stationary contact, means within the housing for interconnecting the cell contacts so as to connect the stationary contacts to each other when the cell contacts make with the stationary contacts, the walls of the cells, all the way from the cell contacts to the free ends of the adjacent stationary contacts, measured when the cell contacts do not make with and are remote from the stationary contacts, being formed to fit and surround closely the stationary contacts so that the stationary contacts will provide a long, close fitting, and accurate mounting and guide for the housing in its reciprocation, and means outside of and connected to the housing for causing its reciprocation and being insulated from the cell contacts and the stationary contacts by the housing itself, the cell volume, when the switch is closed, being substantially completely filled by the stationary contacts, means for preventing complete withdrawal of the movable housing from the stationary contacts and designed to permit sufficient withdrawal thereof to enable the movable contacts to leave the stationary contacts and to enable the free space in the cells to be expanded to a considerable extent for rarification thereof,

and to insure the stationary contacts closing the cells at all times, the fit between the stationary contacts and the cell walls being so close and their relative proportions being so similar that during cell withdrawal no substantial infiltration of air into the cell arises to minimize the rarification that occurs on such withdrawal.

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2,116,674
**ELECTRICAL DISTRIBUTION SYSTEM**
William A. Harper and William H. Frank, Detroit, Mich.
Application January 14, 1935, Serial No. 1,660
6 Claims. (Cl. 191—48)



1. For use with a stationary track structure including a plurality of separated parallel stationary contact rails of different polarities, current collecting heads, each of which is in the form of a block of resilient pliant insulating material of the nature of rubber mounting separate and independent contacts arranged to ride along and engage the contact rails individually, conductors leading to a load remote from the stationary structure and having their terminals embedded within the block and mechanically and electrically connected individually to individual contacts, the material of the block insulating the individual contact-terminal-conductor and terminal to contact connection-sets from one another, and also permitting resiliently restrained movement of the contacts relatively, the blocks having portions thereof cut out to define loops on walls of which are mounted the contacts, the expanding tendencies of the loops serving to urge the contacts towards their contact rails and means adapted to support said current collecting head with respect to said contact rail permitting movement of the head, longitudinally of, and parallel to, said contact rails.

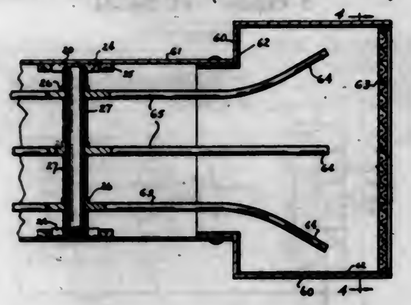
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2,116,675
**SWITCH**
William H. Frank and Joseph A. Messing, Detroit, Mich.
Application June 19, 1936, Serial No. 86,034
1 Claim. (Cl. 74—543)



In a switch, a plate like portion having a slot therein, and a handle disposed within and passed through the slot, and a thick soft rubber detachable thimble on the exposed end of the handle for insulating it and for engaging the plate for preventing longitudinal shifting of the handle in the plate slot.

2,116,676
**ELECTRICAL DISTRIBUTION SYSTEM**
William H. Frank and Lawrence E. Fisher, Detroit, Mich.
Application December 4, 1936, Serial No. 114,261
4 Claims. (Cl. 247—3)



1. In combination, sheet metal bus duct, bus bars therein, means for insulatedly supporting the bus bars, said means being so constructed and arranged as not to prevent arcs within the duct from coursing freely therethrough along the bus bars, and means formed as part of the duct and providing an arc dissipating center therein.

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2,116,677
**GASEOUS ELECTRIC DISCHARGE DEVICE AND METHOD OF OPERATING THE SAME**
Ted E. Foulke, Nutley, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey
Application February 19, 1934, Serial No. 712,031
3 Claims. (Cl. 250—27.5)



2. An electric gaseous discharge device comprising a sealed envelope, a pair of electrodes sealed into said envelope, a grid extending between said electrodes, and a gaseous atmosphere of which the principal component is neon, said atmosphere containing from .01% to .1% of argon.
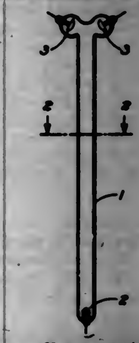
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2,116,678
**ELECTRIC GASEOUS DISCHARGE DEVICE**
Ted E. Foulke, Nutley, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey
Original application April 9, 1936, Serial No. 73,533. Divided and this application January 14, 1937, Serial No. 120,543
3 Claims. (Cl. 176—122)

2. An electric gaseous discharge device comprising a sealed envelope containing mercury and having electrodes sealed therein, a coating of luminescent cadmium silicate on the inner wall



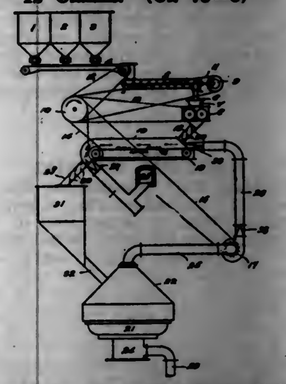
of said envelope and extending along the discharge path between said electrodes, said coating



containing a small percentage of a potassium compound which serves as a flux.

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2,116,679
**PROCESS FOR THE WORKING UP OF LEAD ORES**
Kurt Rudolf Göhre, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
Application May 13, 1937, Serial No. 142,425
In Germany May 16, 1936
12 Claims. (Cl. 75—3)



1. A process for converting finely divided lead ores into lump form for metallurgical treatment on the ore hearth by the roasting reaction method, which comprises granulating said fine lead ores to form granules and heating said granules to a temperature below the melting point of the granules in such a manner as to prevent any substantial combustion of the sulphur contained in the ore.

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2,116,680
**ROUNDING MACHINE AND KNIFE THEREFOR**
Harry A. Hawkes, Chelsea, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 1, 1936, Serial No. 88,427
5 Claims. (Cl. 12—25)

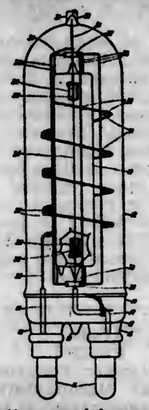
1. In a knife for use in rounding machines, a blade integral with a shank arranged to be secured in the holder of the machine, said blade being provided with a cutting edge extending from the shank to the opposite extremity of the knife, a gage-block surrounding the blade and variable in position longitudinally thereof, and



means carried by the block for securing it to the blade.

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2,116,681
**ELECTRIC LAMP**
George E. Inman, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application September 15, 1934, Serial No. 744,185
15 Claims. (Cl. 176—1)



1. A lamp unit comprising an electric discharge vapor lamp device having a sealed container, electric heating means surrounding said lamp and being coextensive with the discharge path in said lamp so as to coact with the heat of the lamp in heating the lamp walls uniformly substantially throughout the extent of said walls, and an evacuated envelope containing said lamp and heating means in the vacuum space thereof.

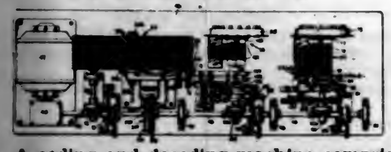
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2,116,682
**METHOD AND COMPOSITION FOR TREATING COAL**
Werner E. Kleinicke, Coalwood, W. Va., and Gloster P. Hevenor, Malba, N. Y., assignors to The Johnson-March Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 8, 1937, Serial No. 141,564
7 Claims. (Cl. 44—6)

1. An aqueous liquid composition for treating coal in the form of free-flowing, separate, irregular particles or fragments to render it clean and dustless and to prevent it from substantially discoloring objects with which it comes in contact, said composition comprising water and dissolved therein a hygroscopic, non-deliquescent organic colloid capable of forming a gel with water in amount from about 0.10 to about 0.25 pound per gallon of water and a water-soluble, crystallizable salt adapted to lower substantially the freezing point of water in amount from about 1 to about 6 pounds per gallon of water, said composition being characterized by the fact that it is

free-flowing and is readily sprayable at a temperature below 32° F. and by the fact that it is substantially non-corrosive with respect to metal equipment used in coal handling.

2,116,683
**CODING AND DECODING MACHINE**
**Walter S. Lemmon and Albert C. Holt, New York, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York**
Application October 24, 1936, Serial No. 107,306
10 Claims. (Cl. 197—4)



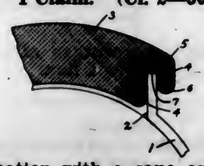
1. A coding and decoding machine comprising a manually operable primary machine, a secondary machine operable from the first, coding means interposed between and interconnecting the machines, control means to control the positioning of the coding means at irregular and arbitrary intervals, said coding means and control means positioned at a normal starting position and displaced therefrom upon repeated operations of the primary machine, means to reset said coding means and control means to the said normal position, and means to alter the starting position of the said control means upon successive operations of the said reset means.

2,116,684
**PUMP**
**Peter Graham MacGregor, Pequannock, N. J., assignor to Pyrene Manufacturing Company, Newark, N. J., a corporation of Delaware**
Application April 9, 1937, Serial No. 135,827
1 Claim. (Cl. 103—192)



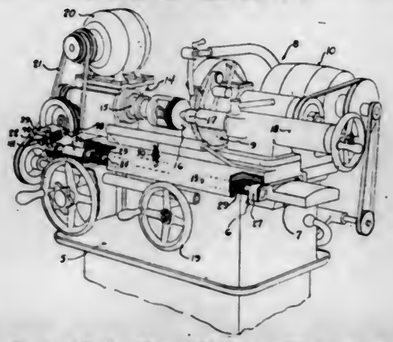
In a pump of the double-acting type, a tubular piston rod, the passage in which serves as a discharge conduit and the wall of which is provided with a pair of spaced ports, one of which is adapted to serve as a discharge port for one end of the pump and the other of which is adapted to serve as a discharge port for the other end of the pump, a piston having an opening therein through which said piston rod has a limited sliding movement, said piston having an annular channel formed on its outer surface and provided with a pressure duct leading from the bottom of said channel to the opening through said piston, the range of movement of the piston on the piston rod and the space between the discharge ports being so proportioned with respect to the location of the pressure duct in the piston that said duct is adapted to communicate with said discharge conduit by way of one of said discharge ports when the piston is at either limit of its range of movement, said piston functioning as a valve adapted to close one of said ports and open the other incident to movement of said piston rod in one direction and to close said other port and open said one port incident to movement of said piston rod in an opposite direction, and an expansible piston ring carried within said channel and adapted to be expanded radially outwardly under the influence of pressure transmitted from said discharge conduit by way of said pressure duct and one or the other of said discharge ports incident to reciprocation of said piston.

2,116,685
**AUXILIARY PROTECTOR COLLAR**
**Nell Virginia Nicolet, Easton, Md.**
Application October 13, 1937, Serial No. 168,706
1 Claim. (Cl. 2—50)



In combination with a cape and its collar, a neck protector for shedding liquids from the neck to the cape, comprising in combination, a body formed to set over the edge of the cape and cover same exteriorly and interiorly with the length of the outside portion being relatively short and the interior portion relatively long and having an outside gauze covering, an interior padding section, and a waterproof leaf section exteriorly placed between the netting and the padding, to cover the relatively short outside portion and the upper portion of the interior portion, substantially as described.

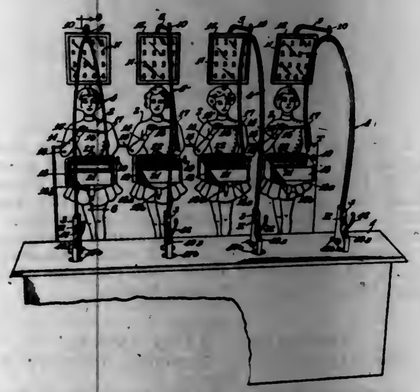
2,116,686
**GRINDING MACHINE**
**Edwin H. Odom, Port Washington, Wis., assignor to Simplicity Manufacturing Company, Port Washington, Wis., a corporation of Wisconsin**
Application April 15, 1936, Serial No. 74,499
9 Claims. (Cl. 51—97)



1. In a grinder for grinding cylindrical work slightly elliptical including a grinding wheel and a work carrier for revolving the work on an axis parallel to that of the grinding wheel, means for producing movement together and apart between the work and the grinding wheel in synchronism with the revolution of the work so as to produce the desired elliptical shape comprising supporting members for the grinding wheel and the work carrier, means hingedly connecting said supporting members on an axis so related to that of the grinding wheel and the work carrier that hinge motion between the supporting members effects radial movement together and apart between the work and the grinding wheel, an oscillatory cam interposed between the supporting members at a distance from their hinged connection and coacting with the hinged connection to support one of said supporting members from the other whereby oscillation of said cam produces the required hinge motion between the supporting members to effect the desired movement together and apart between the work and the grinding wheel, continuously rotating power means, and an eccentric driving connection between the power means and the cam for oscillating the cam in synchronism with the revolution of the work.

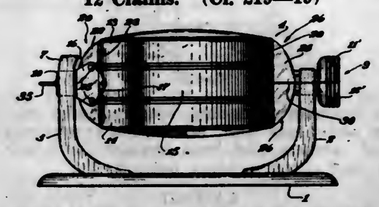


2,116,687
**GAME**
**Maurice Piesen, Brooklyn, N. Y.**
Application January 12, 1937, Serial No. 120,195
1 Claim. (Cl. 273—101)



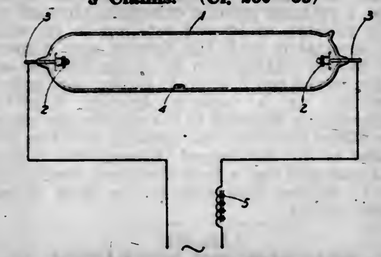
In a game of the class in which a projectile is impelled along a guide having a horizontally movable and depending outlet leg and having mechanism for moving said outlet leg horizontally to and fro over scoring keys and in which each key controls a circuit for operating an indicating device, the combination of scoring keys which are pivoted circuit-closing levers, each lever being connected to one end of the circuit of one of said indicating devices, each said lever being pivoted intermediate its ends so as to have a short lever-arm and a long lever-arm, said levers being located in their circuit-opening and normal positions with their short arms under the path of movement of a projectile which is discharged downwardly from said depending outlet leg so that a coin which is discharged from said outlet leg falls upon one of said short arms, an abutment located underneath said long arms and upon which said long arms rest when said levers are in said normal positions, the other end of each said circuit being connected to a terminal member located underneath the respective lever, the distance between the pivot of each lever and its respective terminal member exceeding the length of the short lever-arm and being less than the length of the long lever-arm, whereby the lever is turned more than 180° from its normal position by said projectile until the centre of gravity of its long arm is below its pivot and said long arm then contacts with the respective terminal member to close the respective circuit.

2,116,688
**ELECTRIC WAFFLE IRON**
**Karl Ratliff, Midland, Tex., assignor to Manning, Bowman & Co., Meriden, Conn., a corporation of Delaware**
Application April 30, 1937, Serial No. 139,931
12 Claims. (Cl. 219—19)



1. In an electric iron of the character set forth, a base support having a pair of spaced bearings thereon, and a rotary multipart grid unit having trunnions supported in said bearings and including a central grid having heating surfaces on both sides thereof and being formed rigidly with one of said trunnions, a pair of complementary parts pivoted to said central member at points adjacent said last named trunnion, said complementary parts having mating trunnion parts forming the other trunnion, and electrical connections leading through said trunnion which is formed rigid with the central grid.

2,116,689
**INFRARED GENERATOR**
**Robert Rompe, Berlin, Germany, assignor to General Electric Company, a corporation of New York**
Application March 4, 1937, Serial No. 129,055
In Germany March 18, 1936
3 Claims. (Cl. 250—35)



1. A source of infra-red radiations comprising a sealed envelope of a vitreous material which transmits the infra-red resonance lines of caesium, caesium within said envelope in an amount sufficient to support a discharge having the characteristics of caesium vapor, a pair of electrodes sealed therein, and means to limit the discharge current between said electrodes to a value which will maintain the vapor pressure within said envelope within the range of from .0001 to .001 mm. of mercury, whereby substantially all of the radiant energy emitted by said discharge is confined to the infra-red resonance lines of caesium.

2,116,690
**SPRING WASHER**
**Robert T. Woodings, Oakmont, Pa., assignor to Woodings-Verona Tool Works, Verona, Pa., a corporation of Pennsylvania**
Application July 31, 1937, Serial No. 156,635
5 Claims. (Cl. 85—50)

3. A compression spring comprising a piece of bar spring steel arched longitudinally and also



arched transversely to provide corner seating



branches connected to said levers and pedal, re-

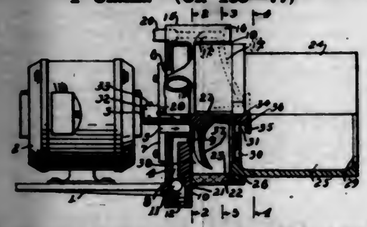
an effective high-frequency impedance interposed

arched transversely to provide corner seating portions and having a central bolt-receiving opening, the spring being provided on opposite sides of said opening with a pair of outstruck in-



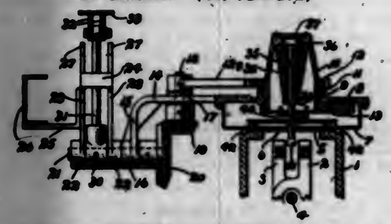
tegral tongues extending longitudinally of the spring with their free ends struck from the wall of said opening and bent toward the plane in which said corner seating portions lie.

**2,116,691**
**BURNER**
**Owen L. Appleby, San Jose, Calif.**
**Application April 9, 1936, Serial No. 73,459**
**1 Claim. (Cl. 158—77)**



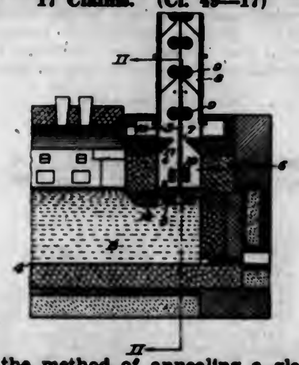
A fluid-fuel burner of the character described comprising, axially aligned blower and combustion chambers, a partition between the chambers provided with a central passage and with other passages radially spaced therefrom, the blower chamber having an air supply passage leading thereto, a rotating spindle extending through the central passage in spaced relation to its walls, vanes associated with the spindle and disposed in the blower chamber to force air through said passages to the combustion chamber, said spindle terminating in a radially directed fluid-fuel spreader flange disposed in the combustion chamber to discharge fluid-fuel radially into the path of travel of air discharged through the radially spaced passages and a fluid-fuel feed conduit disposed to deliver fluid fuel to the base of said spreader flange.

**2,116,692**
**GEAR SHIFTING MECHANISM**
**Walter E. Bassett, Grand Rapids, Mich.**
**Application July 13, 1936, Serial No. 90,326,**
**12 Claims. (Cl. 74—474)**



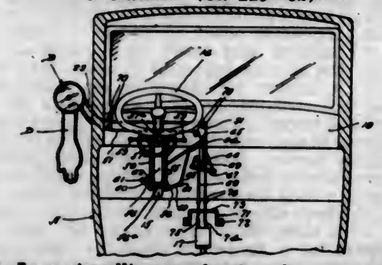
1. A mechanism of the class described, a vertically positioned housing adapted to turn about a vertical axis, a shifting rod mounted at its upper end on said housing for universal movement and extending vertically therethrough, means for selectively turning said housing to anyone of a number of predetermined positions, and means on said housing combined with means interposed between said last mentioned means and the shifting rod for shifting the rod to selected positions in accordance with the poistions to which the housing is turned.

**2,116,693**
**MANUFACTURE OF SHEET GLASS**
**Frederic L. Bishop, Fox Chapel, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania**
**Application September 8, 1934, Serial No. 743,224**
**17 Claims. (Cl. 49—17)**



1. In the method of annealing a glass sheet during the continuous drawing thereof in a vertically extending direction from a bath of molten glass, the steps comprising forming the glass sheet, and, while the temperature of the sheet is substantially at the annealing range, circulating a gaseous medium in contact with and transversely of the moving sheet from one edge of the sheet toward the other edge thereof.

**2,116,694**
**AUTOMATIC HAND SIGNAL**
**Albert Leong Chang, Honolulu, Territory of Hawaii**
**Application August 20, 1935, Serial No. 37,072**
**3 Claims. (Cl. 116—52)**

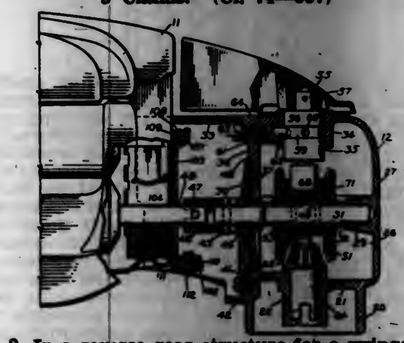


1. In a signalling mechanism for automobiles including a steering post and a brake pedal, an actuating disk rotatably mounted on the automobile for limited movement from normal position, spring means tensioning said disk against such movement, a signal arm mounted on the disk to be swung by such movement of the latter into right and left turn indicating positions, respectively, and also into stop indicating position, said arm being independently swingable on said disk for movement from right and left turn indicating positions to stop indicating position, spring means tensioning said arm against such independent movement, means for operating said disk including a pair of right and left turn levers mounted on said steering post, a main cable connected at one end to said disk and provided with



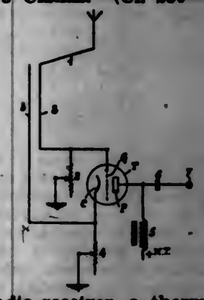
branches connected to said levers and pedal, respectively, whereby operation of said levers effects swinging of said arm into right and left turn indicating positions, respectively, and operation of said brake pedal effects swinging of said arm into stop indicating position, means to independently swing said arm to stop indicating position from said right and left turn indicating positions and comprising an auxiliary cable operatively connecting said brake pedal to said arm, and means in the line of connection of the auxiliary cable to compensate for operation of said disk by the brake pedal and main cable.

**2,116,695**
**WASHING MACHINE**
**Fred A. Conterman, Jamestown, N. Y., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y., a corporation of New York**
**Application August 22, 1936, Serial No. 97,429**
**9 Claims. (Cl. 74—387)**



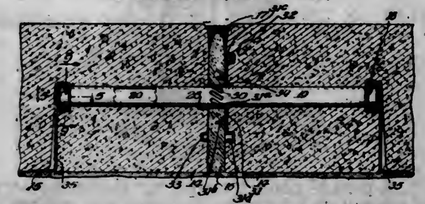
2. In a reverse gear structure for a wringer, a housing adapted to support a wringer, a reverse gear mechanism in the housing adapted for operative connection to the wringer, a reversing lever on the housing, a shaft, projecting through an opening in the housing, mounting the lever, means connecting the lever shaft with the gear mechanism, further means in the housing, the further means securing the lever shaft against removal from the housing and serving to indicate engaged or disengaged positions of the gear mechanism when the reversing lever is operated.

**2,116,696**
**THERMIONIC TUBE COMPENSATOR FOR AERIALS**
**Gerard de Monge, Flesotey, Belgium**
**Application January 24, 1936, Serial No. 60,712**
**In Belgium January 24, 1935**
**8 Claims. (Cl. 250—20)**



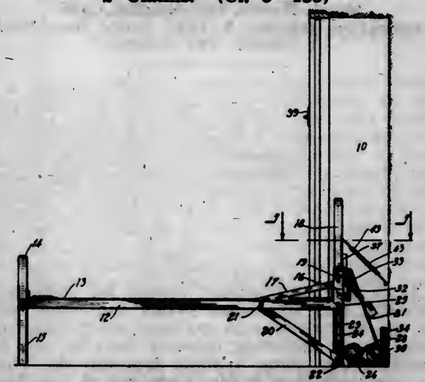
5. In a radio-receiver, a thermionic tube including a cathode element and a grid element, an effective high-frequency impedance interposed between the cathode element and an earth equivalent point of the receiving circuit, a main aerial connected to one of said elements and a second aerial connected to the other of said elements, and said second aerial extending in a spaced relation along the main aerial.

**2,116,697**
**JOINT FOR CONCRETE SLABS**
**Ernest H. Geyer, Chicago, Ill., assignor of one-half to Henry A. Taubensee, Chicago, Ill.**
**Application December 10, 1936, Serial No. 115,069**
**16 Claims. (Cl. 94—18)**



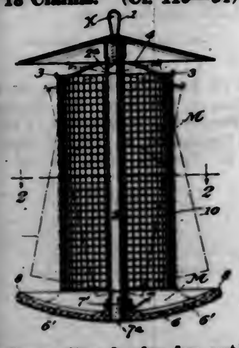
1. A joint for contiguous concrete slabs, comprising in combination a pair of laterally spaced load distributing bars adapted for embedment in and to extend transversely through the slabs respectively, a plurality of sleeves extending at right angles to and between the load distributing bars and adapted to have the end portions thereof embedded respectively in the slabs, interlocking connections between said end portions of the sleeves and the bars whereby the end faces of the sleeves are clamped in abutting relation with the bars, and dowel rods fitting slidably within the sleeves.

**2,116,698**
**DISAPPEARING WALL BED**
**Harvey H. Hall, Denver, Colo.**
**Application June 1, 1936, Serial No. 82,735**
**2 Claims. (Cl. 5—133)**



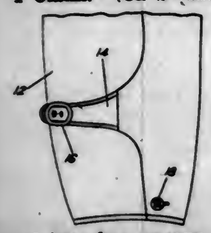
1. An electrically operated folding bed comprising: a bed frame; means for hingedly supporting said frame so that it can swing upwardly from open to folded position; electrically operated means for elevating said frame to the latter position; levers projecting from said frame; spring tubes positioned in the paths of said levers and provided with slots for the reception of said levers and springs contained within said tubes to be compressed by said levers as said bed frame reaches its fully elevated position.

2,116,699
**FEED DISPENSING APPARATUS FOR POULTRY OR THE LIKE**
Martyn Ludike Hall, Ellsworth Falls, Maine
Application January 21, 1937, Serial No. 121,440
18 Claims. (Cl. 119—54)



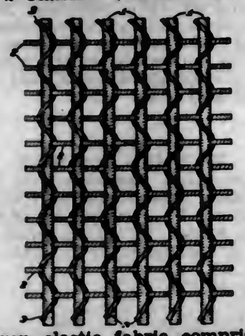
1. A pensile poultry feeder for automatic service presentation of feeds including wet mashes or like mixes to poultry feeding from ground stances, comprising an open bottom foraminous cage having a resilient feeding wall, means for pivotally and eccentrically supporting the cage, a pendulum clapper-stem freely suspended at its upper end above the cage top and extending freely centrally axially through the cage, and a disc-like member having a concavity on its upper face, and rigidly fixed on the lower end of the stem so as to be freely swingable relative to the bottom cage edge and to the point of suspension, whereby said pendulum stem with its loaded disc as a gravity pestle and said resilient cage mutually yieldingly resistant to the birds in feeding, may coactively buffet the enclosed feed.

2,116,700
**FASTENING MEANS FOR BREECHES**
Morris Harris, Los Angeles, Calif.
Application January 8, 1937, Serial No. 119,612
1 Claim. (Cl. 2—228)



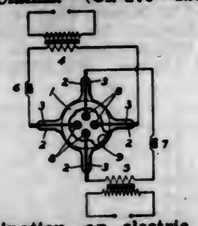
In a pair of breeches, means for removably securing and adjustably fitting the lower ends of the leg portions in position about the calf, said means including opposed flaps on the leg portions one being a main flap and the other an auxiliary flap, a strap on one of the flaps, and a juxtaposed buckle on the other flap, said strap being positioned at a point approximately half way between the upper and lower ends of the main flap bringing the strap about the largest part of the calf of the wearer's leg, together with an auxiliary fastening means at the extreme lower end of the leg portion, said means comprising a button and button-hole, thereby providing a means for inserting or removing the foot of the wearer through said leg portion without unbuckling the strap.

2,116,701
**WOVEN ELASTIC FABRIC**
Albert A. Hodgkins, Marblehead, Mass., assignor to Everlastik, Incorporated, Chelsea, Mass., a corporation of Massachusetts
Application August 7, 1937, Serial No. 157,867
2 Claims. (Cl. 139—421)



1. A woven elastic fabric comprising spaced elastic warp strands, spaced elastic weft strands upon which the warp strands are superimposed, and doup threads binding the warp strands to the weft strands, each doup thread associated with a single warp strand passing successively beneath a weft strand on one side of the warp strand, thence over the face of the warp strand and beneath the next successive weft strand on the other side of the warp strand, then crossing back to the side of the warp strand from which the start was made, and beneath the next successive weft strand, and progressively so on, the weft strands being small strands in relation to the warp strands and with such number of picks of weft to any determinate extent of fabric that in the contracted fabric said doup threads will be brought snugly together to form cross doupings over the warp strands on one side of the fabric with extension in direction substantially normal thereto.

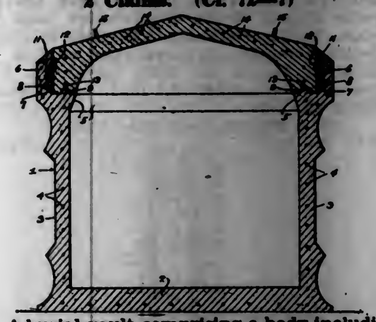
2,116,702
**ELECTRIC GASEOUS DISCHARGE LAMP**
Josef Kern, Berlin, and Hermann Krefft, Berlin-Friedrichshagen, Germany, assignors to General Electric Company, a corporation of New York
Application November 4, 1937, Serial No. 172,826
In Germany November 24, 1936
3 Claims. (Cl. 176—124)



1. In combination, an electric gaseous discharge device comprising a sealed envelope having three or more activated thermionic electrodes arranged therein with a relatively short gap therebetween, a gaseous atmosphere within said envelope adapted to support a high intensity constricted discharge between said electrodes, and means to connect a plurality of sources of electrical energy to separate pairs of said electrodes to produce a plurality of constricted arc discharges between said electrodes with the path of at least two of said discharges intersecting, whereby the luminous area produced by said discharges is at least 50% of the area bounded by said electrodes.

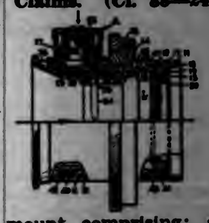


2,116,703
**BURIAL VAULT**
Donald A. Larkin, Schoolcraft, Mich.
Application May 29, 1937, Serial No. 145,602
2 Claims. (Cl. 72—7)



1. A burial vault comprising a body including a bottom and integral walls rising from said bottom, said walls including enlarged top portions, an integral flange rising from the outer marginal portions of said enlarged top portions, said flange including an enlarged inwardly extending base portion, said flange having a longitudinally extending groove in its inner face immediately above the base portion, an integral tongue rising from the enlarged top portions of the walls in inwardly spaced relation to the base portion of the flange, a cover mounted on the enlarged top portions of the walls and having its edges spaced inwardly from the flange and the enlarged base portion of said flange, said cover having a continuous groove around its edges and further having a continuous groove in its bottom for the reception of the tongue, said cover, in conjunction with the flange and the base portion of said flange, defining an open top chamber for the reception of a securing and sealing medium, said groove in the edges of the cover being located opposite the upper portion of the flange when the cover is placed on the body and the sealing material when placed in the chamber having its top surface sloping downwardly and outwardly from the cover over the top of said flange.

2,116,704
**LENS MOUNT**
Grover Laube and Charles Melvin Miller, Los Angeles, Calif., assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York
Application September 26, 1936, Serial No. 102,715
7 Claims. (Cl. 88—24)



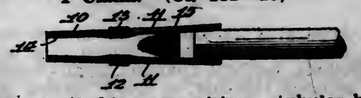
1. A lens mount comprising: a supporting sleeve; a lens carrying sleeve having a circumferential slot therein mounted in said supporting sleeve for longitudinal movement; a block slidably mounted in said slot; a bracket mounted on said supporting sleeve; a shaft rotatably mounted in said bracket; an eccentric on said shaft pivotally connected to said block; means for turning said shaft to move said lens carrying sleeve longitudinally with respect to said supporting sleeve, to focus said lens and means for preventing relative rotation of said sleeves.

2,116,705
**PIPE JOINT**
Franz Marx and Otto Möglich, Wetzlar-on-the-Lahn, Germany
Application January 18, 1936, Serial No. 59,740
In Germany January 23, 1935
2 Claims. (Cl. 285—163)



1. A gasket particularly for a pipe joint of the spigot and socket type, comprising a sleeve having an annular portion of enlarged cross-section extending over only a fraction of the length of the sleeve and of elastic constituency and capable itself alone of effecting the sealing action against operative pressure at the joint, said sleeve also having a heel consisting of a relatively unyielding leather-like material, and said sleeve by the mere forcing of the spigot into the socket adapted to assume a position such that the heel engages against one end of one of the pipes of the joint and the annular portion is elastically deformed to press against the spigot and the socket.

2,116,706
**CIGARETTE HOLDER**
Isaac Meehas, Los Angeles, Calif.
Application January 19, 1937, Serial No. 121,319
1 Claim. (Cl. 131—10)



A cigarette holder, comprising a tubular body, said body being formed to provide a pair of oppositely disposed openings in the side walls thereof, a substantially concentric ring arranged for sliding movement in a central portion of said body, said ring being provided with means extending through said openings for limiting the sliding movement of said ring, a removable tubular liner of fibrous material concentrically arranged within said holder and extending substantially the entire length thereof, said liner extending through said ring and a central portion thereof being frictionally engaged thereby.

2,116,707
**SCREWLESS DOORKNOB**
Melvin Hill Morrell, Harrison, Ark.
Application April 27, 1937, Serial No. 139,287
1 Claim. (Cl. 292—348)

A doorknob assembly of the class described comprising a spindle, a sleeve for receiving one end of the spindle, a pin passing through the outer end of the sleeve, a knob formed around the outer end of said sleeve and the pin, said spindle having a slot in each of three edges thereof in that part which enters the sleeve, said slots

being out of alignment, said sleeve having a hole therein, a block adapted to be placed in the hole to engage one of the slots to fasten the spindle in said sleeve, and a spring locking plate for hold-



ing the block in the hole, said plate having rounded ends and the sleeve having a recess surrounding the outer end of the hole having undercut end walls for receiving the rounded ends of the plate.

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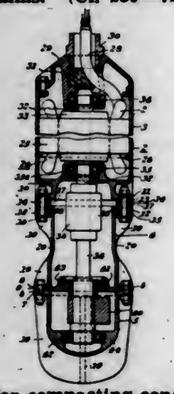
2,116,708

**APPARATUS FOR COMPACTING CONCRETE AND THE LIKE**

Richard A. Niekamp, Dayton, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio

Application January 11, 1936, Serial No. 58,784

4 Claims. (Cl. 259—72)



1. Apparatus for compacting concrete and the like, comprising a casing formed of a plurality of sections, resilient coupling means connecting the sections together, a motor having a drive shaft and bearings therefor all located in one section, an eccentric shaft, bearings therefor and an eccentric weight associated with the eccentric shaft all located in another section, and a yielding driving connection between the drive shaft and the eccentric shaft, the drive shaft and eccentric shaft being out of alinement with each other.

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2,116,709

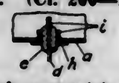
**ELECTRICAL SWITCH OF THE FLUID FLOW TYPE**

Max Nippold, Berlin-Halensee, Germany, assignor to General Electric Company, a corporation of New York

Application June 18, 1937, Serial No. 148,996

In Germany June 24, 1936

1 Claim. (Cl. 200—152)



A fluid flow switch comprising a metal container containing a conducting fluid, said container being of a metal which is substantially unaffected by said fluid, an opening in said container within which is welded a ring of a different metal which likewise is unaffected by said liquid and which has a coefficient of expansion comparable with that of glass, a glass-beaded inlead fused into said ring, and a platinum coating on said inlead and on said ring, said liquid being sufficient to close an electrical circuit between the coated areas on said inlead and said ring.

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2,116,710

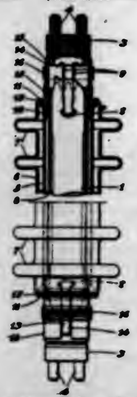
**GASEOUS ELECTRIC DISCHARGE DEVICE**

Marcello Pirani, Berlin-Wilmersdorf, and Adolf Fehse, Berlin, Germany, assignors to General Electric Company, a corporation of New York

Application March 18, 1935, Serial No. 11,698

Renewed September 4, 1936. In Germany March 24, 1934

5 Claims. (Cl. 240—11.4)



4. A lamp unit comprising in combination a gaseous electric discharge lamp device, a heat conservator surrounding said lamp device, said heat conservator being a double-walled jacket having the space between the walls thereof evacuated, a baffle interposed between and spaced apart from said lamp device and said heat conservator, and means to fasten said lamp device and said baffle and said jacket together.

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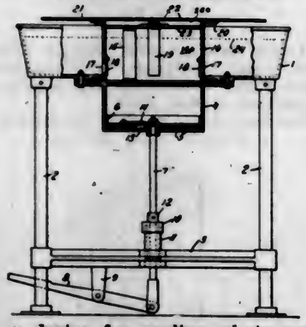
2,116,711

**COOLER**

Frank T. Powers, Glen Cove, N. Y.

Application September 29, 1936, Serial No. 103,084

2 Claims. (Cl. 62—11)



1. In a device for cooling photo-mechanical printing plates in the process of etching such plates, the combination of a receptacle for a cooling fluid, a double chamber having check valves adapted to admit cooling fluid from said receptacle into the lower compartment of said chamber, a tubular passage from the lower portion of the lower compartment of said chamber to the upper compartment thereof, a perforated stage forming the cover of the upper compartment of said chamber, means for discharging air under pressure into the lower compartment thereby displacing cooling fluid in said compartment and causing said fluid to flow into said upper compartment and out through the perforations in said stage and against the under side of a plate to be cooled reposing thereon.



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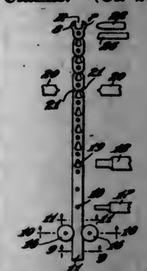
2,116,712

**METHOD OF MAKING FASTENER UNITS**

George E. Prentice, Berlin, Conn.

Application July 11, 1935, Serial No. 30,888

6 Claims. (Cl. 29—148)



1. Method of making fastener units, having smoothly rounded lateral edges, from ribbon-like material, without waste, said method comprising as steps preparing a metal ribbon having substantially flat upper and lower surfaces and rounded edges, successively cupping the ribbon, at points regularly spaced apart by distances substantially equal to the length of a completed unit, to produce sockets in one face and corresponding projecting pins on the other face of the ribbon, piercing the ribbon in the spaces between successive pins to provide elongate open apertures, projecting a spreading device into each such elongate aperture and, as the spreading device begins to act, cutting completely through the ribbon transversely at the end of the aperture nearest the pin, but without removing any substantial portion of the material of the ribbon, thereby to divide a completed unit from the ribbon and concomitantly to release the metal at opposite sides of the next aperture to permit it to be spread apart in the succeeding operation of the spreading device.

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2,116,713

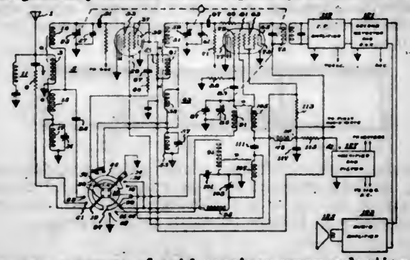
**RADIO RECEIVING SYSTEM**

John D. Reid, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application September 30, 1935, Serial No. 42,903

16 Claims. (Cl. 250—20)

1. In a multi-range radio receiver responsive to low and medium frequency ranges, an antenna system including a primary circuit resonant to a frequency within the medium frequency range of said receiver, a secondary circuit including means for resonating said secondary circuit over said frequency ranges, means for mutually coupling said primary circuit and secondary circuit, switching means including connections to said secondary circuit for selecting a desired range of said ranges, and means connected to said switching means and said primary circuit for resonating said primary circuit to a frequency within the low



frequency range of said receiver upon selection of said low frequency range.

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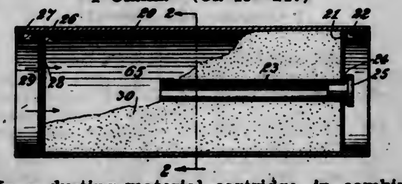
2,116,714

**DUSTING MATERIAL CARTRIDGE**

William H. Rose, Jersey City, N. J., assignor to Stanco Incorporated, a corporation of Delaware

Application January 12, 1935, Serial No. 1,488

1 Claim. (Cl. 43—147)



In a dusting-material cartridge, in combination, a casing; a closure for one end portion of said casing having an opening therein; a tubular member extending interiorally from said opening; a closure for the other end portion of said casing having an opening therein; and a felt air-pervious member covering said last mentioned opening, said air-pervious member being non-pervious to the material within said cartridge during its employment in a powder gun.

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2,116,715

**DUST GUN**

William H. Rose, Jersey City, N. J., assignor to Stanco Incorporated, a corporation of Delaware

Application January 23, 1935, Serial No. 2,994

4 Claims. (Cl. 43—147)



1. A dust gun, comprising in combination a tubular casing, a valved compression member telescopically associated therewith and forming a closure for one end of the casing, a closure for the other end of said casing consisting of a dispensing cartridge for dust and means for maintaining operative asscciation of the assembly.

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2,116,716

**DUST GUN**

William H. Rose, Jersey City, N. J., assignor to Stanco Incorporated, a corporation of Delaware

Application July 20, 1935, Serial No. 32,341

3 Claims. (Cl. 43—147)

1. In a dust gun, in combination, a dusting material cartridge consisting of a casing; a closure for one end-portion of said casing having an

opening therein; the other end-portion of said casing being open, and a disc of air-pervious material forming a closure for said open end-portion, said air-pervious material being non-



pervious to the material within said cartridge during its employment in a powder gun and means adapted to force air through said air-pervious material and thence through said cartridge.

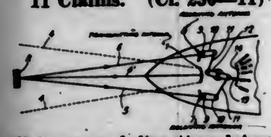
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2,116,717

## DISTANCE AND DIRECTION DETERMINING SYSTEM

Hans Scharlau, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application June 25, 1935, Serial No. 28,252
In Germany July 5, 1934
11 Claims. (Cl. 250—11)



1. In a distance and direction determining system, a radio beam projector mounted aboard a vessel and adapted to transmit energy suitable for reflection by natural and artificial objects, a pair of energy collectors mounted aboard the same vessel and having sharply focussed directional characteristics, means for varying the angular relationship between the directional axes of said collectors, energy translating means for indicating the intensities of the energy picked up by said collectors when said energy emanates from said projector and is reflected back to said collectors, and means for indicating the angular relationship between the directional axes of said collectors when said axes are adjusted to give maximum response in said energy translating means

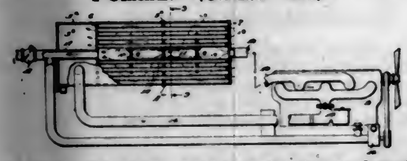
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2,116,718

## COMBINED MUFFLER, AIR PREHEATER AND EXHAUST HANDLING SYSTEM

Paul T. Stubbs, West Haven, Conn.

Application December 29, 1936, Serial No. 118,149
4 Claims. (Cl. 123—122)



1. In combination, an air preheater and muffler comprising an elongated shell, a pair of heads, one of which is located at the front of the shell and the other of which spans said shell at a point spaced from the rear end of said shell to thereby leave a space within said shell rearwardly of said head, an additional head closing the rear end of the shell and forming a closed rear compartment of said space, a bank of longitudinally disposed tubes extending through said first named pair of heads, atmospheric air entering the forward ends of said tubes and passing therethrough to the said rear compartment, an internal combustion engine, means for conducting the exhaust gases therefrom to the space within the shell and between the two first named heads, a vacuum pump driven by the internal combustion engine, a pipe leading from the rear compartment to the carburetor of the engine, an exhaust pipe leading from the space between the first named pair of heads, and a pipe leading from the exhaust pipe to the vacuum pump, said tubes being of such size and number that their combined capacity is sufficient to permit the passage of atmospheric air in such volume as to materially reduce the volume of the exhaust gases by the reduction in temperature of said gases, brought about by the passage of such volume of air through the tubes.

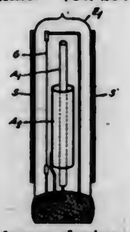
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2,116,719

## AMPLIFIER

Waldemar Wehnert, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Original application August 6, 1931, Serial No. 555,448. Divided and this application October 17, 1934, Serial No. 748,635. In Germany January 30, 1931
4 Claims. (Cl. 250—27.5)



1. A space discharge device comprising a sealed envelope, a cathode, an anode extending parallel with and substantially along the entire length of said cathode, a second anode interposed between the first anode and said cathode for a portion of the length of said first anode only, and a control electrode surrounding said envelope and extending along the entire length of said cathode.

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2,116,720

## ELECTRIC DISCHARGE DEVICE

Kurt Wiegand, Hohen-Neuendorf, near Berlin, Germany, assignor to General Electric Company, a corporation of New York

Application May 7, 1936, Serial No. 78,500
In Germany May 14, 1935
3 Claims. (Cl. 176—122)



1. An electric discharge device comprising a sealed receptacle containing thermionic, activated electrodes, a metal having a vaporization point higher than that of mercury and a starting gas, the pressure of said starting gas being such that the consumption of electric energy is at least 15% higher during the starting period of the device when the characteristic spectrum of the starting gas predominates in the light emitted by the discharge between said electrodes than during the operating period when the characteristic spectrum of the metal vapor predominates in the light emitted by said discharge to prevent a reduction in the light output from said metal vapor during the operation of the device.



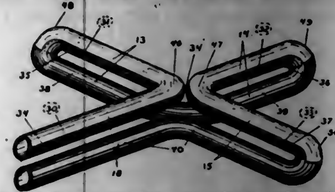
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2,116,721

## LUMINOUS TUBE SIGN

Arthur Clifton Deans, Los Angeles, Calif.

Application August 31, 1936, Serial No. 98,685
9 Claims. (Cl. 40—130)



4. A luminous tube in the form of a character and having a section returning over its own course to a branching junction of said character and a reflective coating of conductive material disposed lengthwise along an outside surface of said tube, said tube being characterized by virtue of the presence of said coating by a tendency to electric breakdown at said section materially in excess of the breakdown tendency due to the proportionate voltage drop along said section with respect to the voltage impressed across the extreme terminals of said tube, said coating being confined to one of the opposing branches of said tube in said section to substantially prevent breakdown thereat because of said excessive breakdown tendency.

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2,116,722

## ELECTRIC LAMP

George Victor Downer, St. Pancras, England

Application October 5, 1935, Serial No. 43,757
In Great Britain October 8, 1934
1 Claim. (Cl. 176—16)



An electric lamp having a luminous element and a transparent bulb enclosing said luminous element, said bulb being formed with an indentation of substantially V-shape in cross section longitudinally of the bulb, the apex of the inner face of said indentation being so positioned with respect to said luminous element as to be located in the zone of the greatest intensity of illumination from said luminous element when the same is rendered luminous by an electric current.

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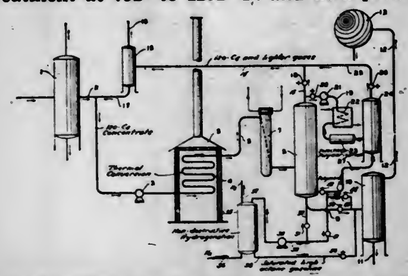
2,116,723

## PROCESS FOR MANUFACTURING HYDROCARBON OILS

Frederick E. Frey and Harold J. Hepp, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application February 20, 1936, Serial No. 64,972
9 Claims. (Cl. 196—10)

1. A process for producing special motor fuels of high antiknock quality and consisting predominantly of aliphatic hydrocarbons of branched structure, which comprises subjecting a normally gaseous hydrocarbon mixture comprised predominantly of isobutane to thermal treatment at 752° to 1292° F. and at a pressure



exceeding 500 pounds per square inch for such a time as will effect the conversion of no more than 50 per cent of the isobutane initially present, and then separating from the effluents normally liquid hydrocarbons in the gasoline boiling range.

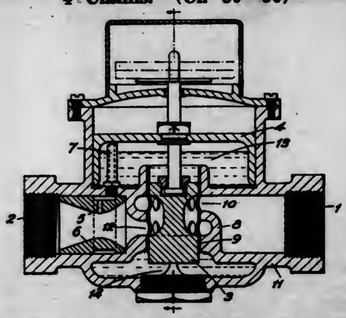
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2,116,724

## GAS PRESSURE GOVERNOR

Frederick Otto Horstmann, Percival Francis Horstmann, and John Hermann Gustav Horstmann, Bath, England

Application November 23, 1937, Serial No. 176,094
In Great Britain April 29, 1937
4 Claims. (Cl. 50—36)



1. Pressure governor for fluids, principally gas, comprising a body formed with an inlet and an outlet for the fluid, an axially slidable piston valve controlling the passage of fluid from the inlet to the outlet and means subject to the pressure on the outlet side for controlling said piston valve, characterized in that the body is formed internally with a cylinder block having a bore open at both ends for guiding the piston valve, spaces communicating with one another and with both ends of the cylinder block being provided above and below said cylinder block for constituting a lubricant chamber.

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2,116,725

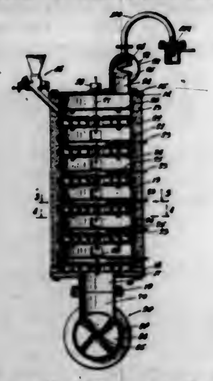
## METALLURGICAL FURNACE

Leslie G. Jenness, Newark, N. J., assignor to Intermetal Corporation, New York, N. Y., a corporation of Delaware

Application July 11, 1934, Serial No. 734,566
Renewed October 13, 1937
10 Claims. (Cl. 263—26)

1. In a metallurgical furnace the combination with a gas-tight furnace chamber, of a rabble assemblage including a vertical rabble shaft having

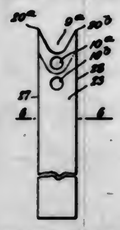
an enlarged portion provided with a crowned supporting bearing surface, a socket in the top of said chamber to receive said enlarged portion



and having a mating bearing surface, and means sealing said enlarged portion in said socket in a gas-tight manner.

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2,116,726
**METHOD OF MAKING FASTENER UNITS**
Robert C. Legat, New Britain, Conn., assignor to G. E. Prentice Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application June 19, 1937, Serial No. 149,110
9 Claims. (Cl. 29—148)



1. Method of making fastener units for use in slide-actuated fasteners, which comprises as steps providing a length of metal ribbon of a width substantially equaling the desired maximum width of the unit, advancing said ribbon endwise step-by-step into the field of action of cutting and forming devices, and at each successive step severing the ribbon by a single incision which extends completely across the width of the ribbon, said incision including a curved central portion and divergent, substantially straight side portions, the latter intersecting the respective edges of the ribbon in acute angles.

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2,116,727
**FLOTATION PROCESS**
Samuel Lenher and Joseph Lincoln Gillson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 10, 1933, Serial No. 675,334
11 Claims. (Cl. 209—166)

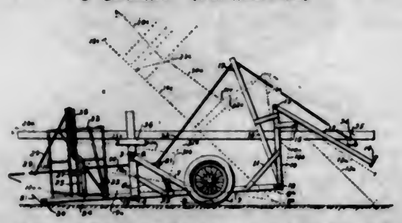
8. In the froth flotation of non-sulfide ores wherein an aqueous suspension of ore is agitated and aerated in the presence of a pre-emulsified mineral oil flotation agent the step which comprises conducting said operation in the presence of a water-soluble compound having the following general formula:

$$R—OSO_2—Y$$

wherein R represents the residue of a normal primary alcohol containing from 8 to 18 carbon atoms, and Y represents the residue of a salt-forming compound.

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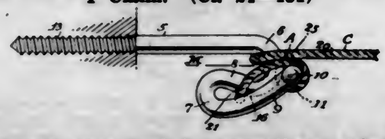
2,116,728
**TRUCK LOADER**
Darwin D. McDermott, San Jose, Calif.
Application February 20, 1937, Serial No. 126,862
5 Claims. (Cl. 214—81)



1. A truck loading device comprising, a pair of wheels, a supporting frame journaled thereon intermediate its length, ground engaging means pivotally associated with the frame forwardly of the wheels and projecting rearwardly of the frame to prevent movement thereof in that direction, a hoisting beam pivotally mounted on the rearward portion of the frame and extending forwardly thereof and overlying the same, load engaging means associated with the free end of the beam, a grab member associated with the free end of the beam and overlying the said load engaging means, and truck actuated means constructed and arranged to first move the grab member into engagement with a load and then to move the beam and its load upwardly against the resistance of the ground engaging means.

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2,116,729
**CLOTHESLINE HOOK**
Fremont H. McLain, Wellsville, Ohio
Application February 20, 1937, Serial No. 126,897
1 Claim. (Cl. 24—131)



A single piece hook for supporting and locking clotheslines in stretches comprising a length of bendable wire forming a shank, major and minor loops substantially on a common horizontal plane, the minor loop being extended at one of its sides forming a vertically directed post having a boss at its lower end, the said post having a slight contact with the outer arc of said major loop for bracing the said post.

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2,116,730
**CRUTCH**
Ernest L. Menton, Deer River, Minn.
Application June 12, 1936, Serial No. 84,969
1 Claim. (Cl. 135—50)

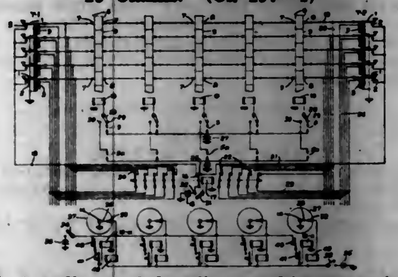
A crutch of the class described comprising an upper straight tubular member, a transversely extending shoulder piece fastened directly to the upper end thereof, a lower straight tubular member telescoping into the lower end of the first member and being but slightly longer than the first member so that when the second member is placed in the first member but a short piece of the second member will project from the lower end of the first member, a screw at the lower end of the first member and the upper portion of the second member having a longitudinal extending



row of spaced threaded holes, any one of which is adapted to receive the screw, said second member having a threaded hole adjacent its lower end for receiving the screw when the second member is shoved fully into the upper member, a hand grip adjustably connected to an intermediate part of the upper member and a spring tip slidably connected to the lower end of the second member.

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2,116,731
**CODING AND DECODING MACHINE**
Austin R. Noll, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 27, 1936, Serial No. 98,114
19 Claims. (Cl. 197—4)

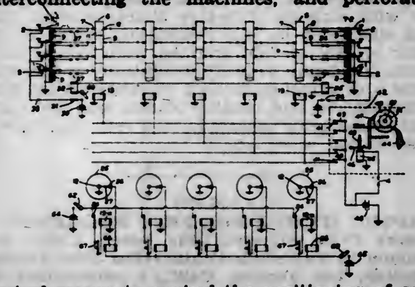


1. A coding and decoding machine comprising a manually operable primary machine, a secondary machine operable from the first, coding means comprising a plurality of movable circuit changing devices interposed between and interconnecting the machines, means to position said circuit changing devices individually, and means to control the operation of said positioning means jointly and permutatively.

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2,116,732
**CODING AND DECODING MACHINE**
Austin R. Noll, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 28, 1936, Serial No. 98,271
13 Claims. (Cl. 197—4)

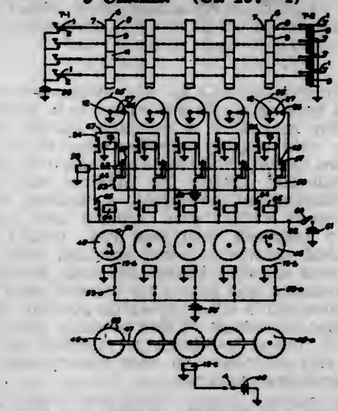
1. In a coding and decoding machine, a primary machine, a secondary machine operable from the first, movable coding means comprising circuit changing means interposed between and interconnecting the machines, and perforated



control means to control the positioning of said coding means thereby altering the circuit connections between said machines.

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2,116,733
**CODING AND DECODING MACHINE**
Austin R. Noll, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 29, 1936, Serial No. 98,439
9 Claims. (Cl. 197—4)



1. In a coding and decoding machine, a primary machine, a secondary machine operable from the first, a plurality of coding means comprising movable circuit changing devices interposed between and interconnecting the machines, and mechanical control means to control the positioning of the coding units jointly and permutatively.

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2,116,734
**SHORT-WAVE ANTENNA**
John L. Reinartz, Manchester, Conn., assignor to Radio Corporation of America, a corporation of Delaware
Application October 8, 1936, Serial No. 104,618
12 Claims. (Cl. 250—33)



1. An antenna system comprising a pair of arcuately formed conductors disposed in parallel

planes, each of said conductors having a length of the order of .4λ to .5λ where λ is the wave length for which the system is adapted to operate with strongly directive characteristics, the arcs subtended by said conductors being of the order of 345° to 355° and the terminals of said conductors being located substantially at the four corners of a rectangle, said rectangle being perpendicular to said parallel planes, and said parallel planes being separated by a very small fraction of said wave length λ.

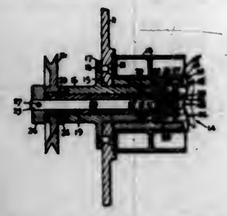
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2,116,735

**SPOOL SPINDLE FOR FILM MAGAZINES**

Robert Colby Stevens, Long Beach, Calif., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York

Application December 4, 1935, Serial No. 52,791
4 Claims. (Cl. 242—70)



1. A film spool spindle for film magazines comprising: a bearing member adapted to be mounted in a film magazine; a rotatable spindle supported by said bearing member adapted to receive a film spool; a rod rotatably mounted within said spindle; means for holding said rod against longitudinal movement; a member movably mounted within said spindle and screw threadedly engaged with said rod; means for holding said member against rotation with respect to said spindle; fingers pivotally mounted on said member, and means for causing said fingers to move into a spool clamping position upon longitudinal movement of said member, said last mentioned means including a rounded tip on said rod and extensions on said fingers adapted to slidably engage said tip.

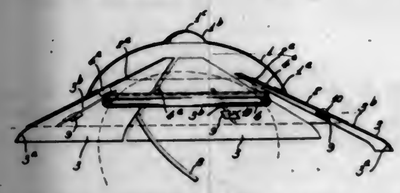
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2,116,736

**ADJUSTABLE SUN HAT**

Anthony J. Subira, Los Angeles, Calif.

Application November 30, 1936, Serial No. 113,305
9 Claims. (Cl. 2—191)



1. In an adjustable sun hat, a shade support, means for supporting it on the head of the wearer, a plurality of extendible shades shiftably and adjustably mounted on said support surrounding said shade support, said shades provided with transparent material, and friction clamp and slot means for holding said shade in certain relation with the support.

2,116,737

**SYSTEM FOR LAYING BOARDS**

Leon F. Urbain, Chicago, Ill.

Application July 16, 1934, Serial No. 735,450
14 Claims. (Cl. 20—8)



1. For use with conventional floor boards of the tongue and groove type, a clip seatable between such boards and extending around the tongue thereof; a channel to receive said clip and secure it against retroactive movement and means associated with said clip means for maintaining the clip substantially perpendicular to the surface of the floor boards when in operative position.

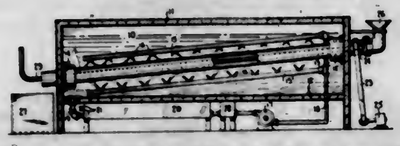
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2,116,738

**METHOD AND APPARATUS FOR FREEZING VEGETABLES AND FRUITS**

Wladimir M. Zarotschenseff, Englewood, N. J., assignor, to Z Pack Corporation, a corporation of Delaware

Application May 31, 1934, Serial No. 728,331
Renewed March 4, 1937
15 Claims. (Cl. 62—104)



1. A method of freezing vegetables and fruits comprising causing the same to be rotated about an axis and about their own axes while passing through a chamber and subjecting the same to freezing by conduction and convection from refrigerating sources acting exteriorly and interiorly of said chamber.

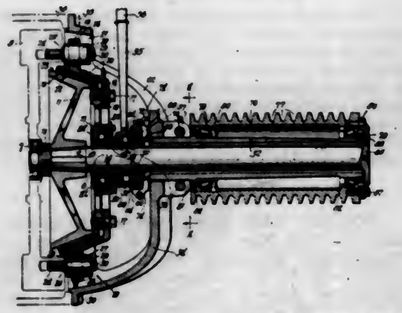
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2,116,739

**CLUTCH MECHANISM**

Clarence M. Eason, Waukesha, Wis., assignor to Industrial Clutch Company, a corporation of Wisconsin

Application August 22, 1936, Serial No. 97,336
12 Claims. (Cl. 192—66)



9. In a clutch, a pair of clutch members, a driven shaft, one of said clutch members being shiftable relative to the other clutch member, a housing for the clutch mechanism, a tubular member carried by said housing and surrounding said driven shaft, a sleeve carried by the shiftable clutch member and surrounding and shiftable along said driven shaft, slots in said tubular member, a double-acting cam ring surrounding said tubular member and having diametrically opposite cam slots therein, trunnions carried by said sleeve and extending through the slots in said tubular member and engaging in said cam slots, a lever for turning said cam ring to shift said one clutch member into and out of engagement with said other clutch member, and spring means taking the reaction of said cam ring in moving said shiftable clutch member in one direction.



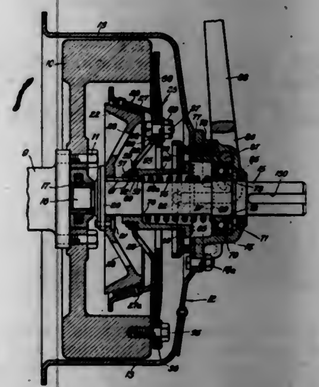
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2,116,740

**CLUTCH**

Clarence M. Eason, Waukesha, Wis., assignor to Industrial Clutch Company, a corporation of Wisconsin

Application February 1, 1937, Serial No. 123,425
13 Claims. (Cl. 192—66)



1. A clutch unit adapted to be connected to a driving element, comprising a driven shaft, a driven clutch member fixed to said shaft, a driving clutch member adapted to be engaged with and to move with said driven clutch member, a sleeve connected to shift said driving clutch member, means serving as a key for causing said sleeve to rotate with said driven shaft, and spring means acting between said driven shaft and said sleeve for forcing said driving clutch member into engagement with said driven clutch member.

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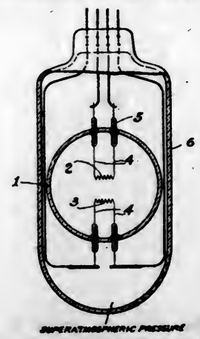
2,116,741

**ELECTRIC GASEOUS DISCHARGE DEVICE**

Willem Elenbaas, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York

Application January 31, 1935, Serial No. 4,371
In Germany February 5, 1934
6 Claims. (Cl. 176—122)

4. A vapor arc lamp comprising a sealed envelope, a pair of electrodes sealed therein, at least one of said electrodes being a thermionic cathode of the metal compound type, said electrodes being separated by a distance of 0.5 to 2 cm., and a vaporizable substance within said envelope in an amount which is all vaporized at a temperature below a given temperature of said lamp, said envelope having a heat radiating capacity such that a discharge consuming at least 100 watts per



centimeter must be passed between said electrodes before said given temperature is attained.

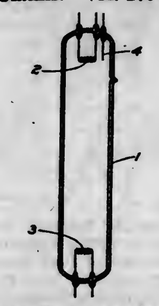
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2,116,742

**GASEOUS ELECTRIC DISCHARGE DEVICE**

Willem Elenbaas and Gottfried Bruno Jonas, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York

Application July 28, 1936, Serial No. 93,114
In Germany August 6, 1935
4 Claims. (Cl. 176—122)



1. An electric discharge device comprising a container, electrodes sealed therein, a gaseous atmosphere therein comprising cadmium vapor, said container comprising an ultra violet ray transmitting glass chemically stable in the presence of said vapor, consisting of composition:

| | Percent |
|---|---|
| Silica ($SiO_2$) | 55 to 78 |
| Alumina ($Al_2O_3$) | 12 to 23 |
| Calcium oxide (CaO) | 10 to 30 |

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2,116,743

**WRENCH**

Thomas M. Henderson, Toronto, Ontario, Canada

Application June 15, 1936, Serial No. 85,242
3 Claims. (Cl. 81—91)

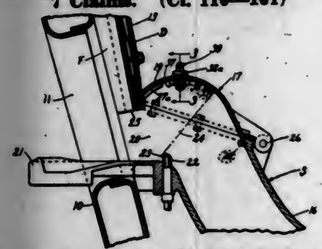
1. In a wrench, the combination of a carrier casing; an inner jaw pivoted in the casing; a shank pivotally mounted in the casing and having a camming engagement with the inner jaw; a movable jaw provided with a stem slidable in a guideway in the casing and having its inner side exposed the outer side of the guideway being substantially one plane surface from end to end; a nut threaded on the stem outside the casing; a leaf spring mounted in the casing between the shank and the stem and bearing against the ex-

posed side of the stem; and abutments in the casing against which the spring bears to exert pressure against the stem to press it frictionally against the plane outer side of its guideway.



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2,116,744
STOKER
Alfred Hutten, Erie, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware
Application April 19, 1934, Serial No. 721,305
7 Claims. (Cl. 110—101)



1. In combination, a furnace having an upstanding wall with a firing opening therein for hand and power feeding of fuel therethrough into the furnace, a riser conduit of a stoker mounted exteriorly of the furnace and having a mouth in communication with the lower portion of the firing opening, and a firedoor mounted across the upper portion of said firing opening operable to permit hand firing of fuel, said riser conduit having a detachable roof, said roof being divided longitudinally into laterally spaced end sections rigidly secured to the riser conduit and a movable central section, each of said sections being arranged with their front edges adjacent the lower end portion of said firedoor, said central section being hinged at its rear edge to swing away from said firedoor and when in such position leaving an opening between the end sections extending forwardly to the firedoor whereby when the latter is opened the aforesaid opening between the end sections communicates with the firing opening in the furnace backwall.

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2,116,745
BUCKLE STRUCTURE
Earl A. Stuller, Chicago, Ill., assignor to Western Chain Products Co., Chicago, Ill., a corporation of Illinois
Application May 14, 1932, Serial No. 611,250
19 Claims. (Cl. 24—193)

1. A buckle comprising a plate having spaced outstanding members thereon defining a channel for receiving a portion of a flexible member, a bell crank lever pivoted on said members for movement therebetween and disposed in spaced relation to said plate thereby providing a passage through which said flexible member may be passed, said lever being movable about its pivot to bind the flexible member in said passage between one arm of the lever and the plate and to dispose the other arm of the lever substantially flatwise along the flexible member,



said lever being also shiftable lengthwise along the plate, means spaced outwardly of the outer surface of the lever when said lever is in said flatwise position to provide a passage through which the end of the flexible member may be passed after said flexible member has been bent upon itself about said lever, said lever being shiftable under the influence of a working strain imposed on the flexible member, and an interlock between the lever and plate effected by said movement.

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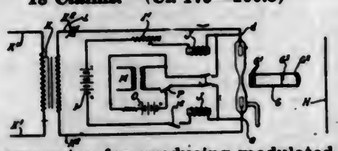
2,116,746
GASKET
Edward H. Wells, Jr., New York, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application March 20, 1936, Serial No. 69,749
4 Claims. (Cl. 288—1)



1. A gasket adapted for use as packing in an assembly including spaced members and fasteners extending therebetween and securing the said members together, the gasket comprising a resiliently compressible packing element and a wire secured to end portions of the said element, slidably engaging the said element at spaced intervening portions, and, at positions between the said intervening portions adapted to be engaged by the said fasteners, to cause the fasteners to extend between the said element and wire.

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2,116,747
METHOD AND APPARATUS FOR SOUND RECORDING
Norman H. Brock, Philadelphia, Pa.
Application September 5, 1935, Serial No. 39,214
Renewed October 8, 1937
18 Claims. (Cl. 179—100.3)

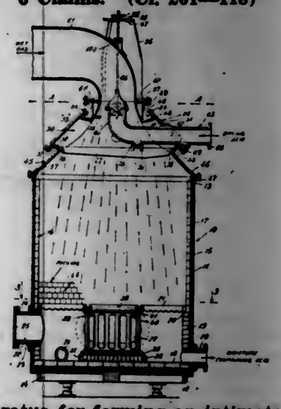


1. In apparatus for producing modulated light for making a sound record on a motion picture film, a gaseous discharge tube lamp comprising an envelope having an intermediate portion of small cross section and end portions of larger cross section and metal electrodes in said end portions, said envelope containing an inert easily ionizable gas and mercury vapor which under normal working conditions and with moderate voltages impressed on said electrodes is at a temperature and under the pressure required for a lamp current flow creating light emission from said intermediate envelope portion sufficiently intense for the exposure of a standard positive emulsion motion picture film to an extent corresponding to the straight line portion of the H and D curve for the film, and means for impressing a constant direct current electromotive force on said electrodes, and amplifying means for impressing audio frequency voltages on said electrodes.



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2,116,748
APPARATUS FOR TREATING GASES
Bernard M. Carter, Montclair, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Original application August 11, 1930, Serial No. 474,458. Divided and this application January 31, 1936, Serial No. 61,097
6 Claims. (Cl. 261—118)



1. Apparatus for forming an intimate mixture of a gas and a liquid comprising a chamber having an inlet for the introduction of a stream of gas into the chamber, a gas inlet conduit of diminishing cross-section connected to the chamber inlet, a gas distributing section interposed between the chamber inlet and the body of the chamber, said distributing section having an increasing cross-section and forming with the inlet conduit a gas inlet passage to the chamber having a constricted portion, and means for introducing a liquid into the chamber including a liquid conduit terminating in a constricted portion of the gas inlet passage, and a distributing valve associated with the end of the liquid conduit cooperating therewith to form a sheet of liquid intersecting the stream of gas passing the inlet.

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2,116,749
COMPENSATING VALVE OPERATING DEVICE
Robert H. Daisley, Birmingham, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application September 25, 1933, Serial No. 690,808
10 Claims. (Cl. 123—90)

1. A hydraulic valve tappet comprising a cast metal tappet body having a longitudinal bore closed at its lower end and adapted to receive a liquid, a separate cylinder composed of a more easily machinable metal and disposed in said bore, a valve in the lower portion of the cylinder and adapted to allow liquid to flow upwardly from



the lower part of the bore into the cylinder, but to prevent the liquid from flowing in the opposite direction, a plunger slidably mounted in the cylinder, and means for maintaining liquid in the bore.
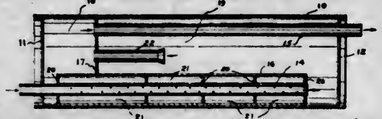


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2,116,750
DOME LIGHT
Ralph L. Dashner, Logansport, Ind., assignor to R-B-M Manufacturing Company, Logansport, Ind., a corporation of Indiana
Application July 29, 1935, Serial No. 33,713
Renewed May 15, 1937
8 Claims. (Cl. 240—7.35)



1. A dome lamp for vehicles and the like comprising a lamp housing including a detachable lens, and cooperating means serving as a spring catch for holding the lamp housing in position on the vehicle when the lamp housing is moved into position thereon with the lens attached to the lamp housing, said housing and said means being formed to render the catch means accessible when the lens is removed from the lamp housing for releasing the latter from the vehicle.

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2,116,751
SILENCER CONSTRUCTION
Floyd E. Deremer, Detroit, Mich.
Application March 16, 1936, Serial No. 69,100
1 Claim. (Cl. 181—54)



A silencer having a shell, end headers, and a transverse header dividing it into two chambers, a tube positioned in said header and communicating the chambers through the header, an inlet tube passing through one of the chambers and the header and inletting into the other of the chambers and an outlet tube passing through such other chamber and the header and outletting out of the first mentioned chamber, the two

chambers and the communicating tube constituting the main and only passage for the gases and sound waves of the silencer between the ends of the inlet and outlet tubes, the communicating tube serving as a tuning means for low frequency sound waves as well as a communicating means between the chambers, and means providing side chambers for the inlet tube for tuning high frequency waves.

2,116,752

## METHOD OF PRESERVING BUTTERFLIES

Karl Deubel, Jersey City, N. J.

No Drawing. Application June 23, 1934, Serial No. 732,081. Renewed October 1, 1937

2 Claims. (Cl. 35—20)

1. A method of preserving the beauty and design of butterfly wings consisting in coating the wings on their front face with clear lacquer not obscuring or marring the natural beauty of the wings, and on their rear face with a compound composed of gum arabic, gum acacia, gelatine, glycerin, salicylic acid and water to cement the wings to a background, and covering the wings at their front with a transparent cover through which the natural color and design becomes visible and finally mounting the cover on the background projecting with its rim beyond the edges of the butterfly design.

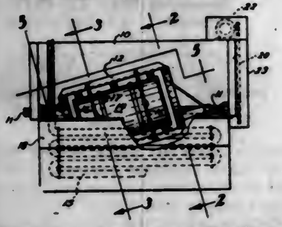
2,116,753

## COMBINATION TUMBLER AND WASHER

Adolph M. Dinets, Detroit, Mich.

Application May 17, 1937, Serial No. 142,970

1 Claim. (Cl. 141—6)



In combination, a tank, a cradle therein having a stub shaft projecting therefrom and journalled in an end of the tank and projecting through such tank end, and driving means outside the tank and connected to such stub shaft end outside the tank, the driving means including a motor mounted on such tank end and being so located with respect to the tank end that its weight is concentrated on the upper edge of the tank end, whereby the motor weight produces no appreciable bending stress in the tank end but resolves itself into a crushing stress only, the tank having a reinforcing flange formed as an apron in front of, secured to, and adjacent the upper edge of the tank front.

2,116,754

## WINDOW CONSTRUCTION

Oliver M. Edwards, Syracuse, and Russell B. Nelson, Onondaga, N. Y., assignors to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York

Application February 13, 1937, Serial No. 125,614

11 Claims. (Cl. 189—73)

3. In a window construction, a window frame, a sash slidable in the frame, a guide member carried by the frame and coacting with the sash to guide the same, the guide member being mounted in the frame automatically adjusting itself in an edgewise direction relatively to the sash to conform to misalinements and variations in the widths of the sash and window frame, and a



resilient cushion forming a backing for the guide member and extending lengthwise thereof at least the height of the sash, when the sash is closed, said cushion being secured to the guide member as a unit therewith.

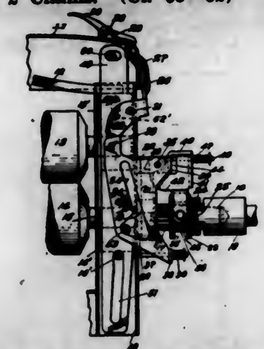
2,116,755

## WRINGER MECHANISM

Nicholas L. Etten, Waterloo, Iowa, assignor to Chamberlain Corporation, Waterloo, Iowa

Application January 23, 1935, Serial No. 3,119

2 Claims. (Cl. 68—32)



1. In a clothes wringer, a lower frame, a top frame movable with respect to the lower frame, cooperating rolls mounted in the frames, pressure mechanism for the rolls reacting between the frames and tending to separate the same, releasable means for holding the frames together, driving mechanism for the rolls including a clutch element shiftable between a driving position and an idle position, and means for shifting said element to said idle position upon separation of the top frame from the lower frame, said means comprising a pair of interconnected levers having a common fulcrum fixed with respect to the lower frame, one of said levers having an end engaging said clutch element, and the other lever having an end engaging a part movable in response to the separation of said top frame from the lower frame, and means for imparting rocking movement in one direction to the last mentioned lever upon movement of said part, the interconnection of said levers comprising abutting surfaces arranged to transmit positively said rocking movement of the last mentioned lever to the first mentioned one to cause the end thereof engaging said clutch element to shift the latter to idle position.

2,116,756

## CULINARY APPLIANCE

Henry J. Goldblatt and Johannes B. Kessel, Chicago, Ill., assignors to Vidrio Products Corporation, Chicago, Ill., a corporation of Illinois

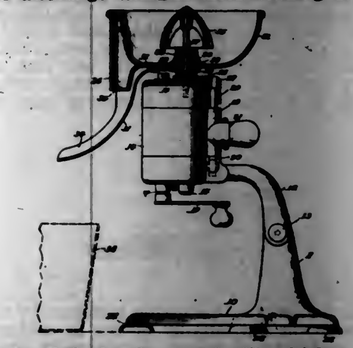
Original application March 30, 1936, Serial No. 71,648. Divided and this application February 8, 1937, Serial No. 124,673

5 Claims. (Cl. 146—3)

1. A culinary appliance embodying a casing,



means for supporting the casing, said casing having driving mechanism, an extractor bowl mounted on top of said casing, a juice extractor element within the bowl driven by said mechanism, a vertical discharge annular neck leading from the



bottom of the bowl, a spout with which said neck communicates, and means for anchoring a portion of said spout between the said casing and the bowl, portions of the spout intermediate its ends only partially encompassing said neck.

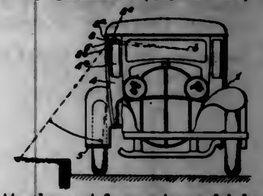
2,116,757

## ATTACHMENT FOR MOTOR VEHICLES

Allen A. Gould, Cleveland, Ohio

Application October 10, 1932, Serial No. 637,017

7 Claims. (Cl. 88—96)



7. An attachment for motor vehicles having the usual door with window opposite the driver's seat and running board below the door, said attachment comprising in combination two mirrors and a unitary structure adapted to support said mirrors from the upper portion of such door outside the window thereof with one of the mirrors facing downwardly and inwardly and the other mirror in front of the first one and facing downwardly, inwardly and rearwardly.

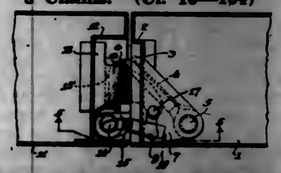
2,116,758

## DOOR HINGE

Rex C. Jacobs, Detroit, Mich.

Application September 30, 1935, Serial No. 42,764

3 Claims. (Cl. 16—164)



1. A concealed hinge of the class described comprising a housing butt part and a hook arm butt part, said arm being pivotally mounted within the housing and adapted to swing inwardly and outwardly with respect thereto on said pivot, said arm including a supplemental arm part movable with and independently of the first named arm, and means for guiding the supplemental arm in the butt housing in its respective movements.

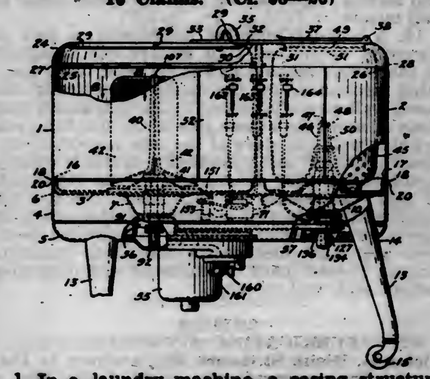
2,116,759

## LAUNDRY MACHINE

James B. Kirby, West Richfield, Ohio, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, as trustee

Application December 11, 1933, Serial No. 701,853

16 Claims. (Cl. 68—26)



1. In a laundry machine, a casing structure, operating mechanism beneath said casing structure, and a built-up sheet-metal supporting structure for said casing structure and mechanism, said supporting structure comprising a generally horizontal sheet-metal base member, a separately formed sheet-metal skirt member fixedly attached at its upper end to said base member so as to stiffen and reinforce the base member and angularly disposed supporting legs for said base member fixedly secured at their upper ends to said base member inwardly of said skirt member and fixedly secured at a point intermediate their height to the lower edge of said skirt to form an angular reinforcement for the supporting structure.

2. In a laundry machine, in combination, a supporting structure, a pair of tubs carried by said supporting structure in a side-by-side manner, said tubs having lower side wall portions of reduced diameter to provide a shoulder near the bottom of each of the tubs, a relatively soft yielding packing member interposed between said supporting structure and the shoulders of said tubs whereby the tubs are carried on said packing member by said supporting structure from a point adjacent their outer edges, means for securing said tubs to said supporting structure, and a pair of shields in the form of vertically disposed plates in contact at their opposite vertical edges with the side walls of said tubs for providing a substantially continuous and unbroken side-wall surface with said tubs corresponding in plan outline to the plan outline of said support.

4. In a laundry machine, in combination, a supporting structure, a pair of cylindrical tubs carried side-by-side on said supporting structure, and an elongated horizontal top-plate carried above the upper edges of said tubs, the peripheral portion of said top-plate being downwardly and outwardly rounded and engaging at its edge the top part of said tubs and having formed in its horizontal portion a pair of working openings, one for each of said tubs, the marginal

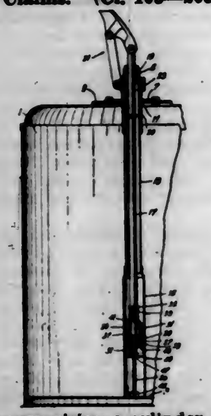
outline of said top-plate conforming at its opposite ends to the outline of said tubs with such end parts connected to each other along a continuous and unbroken line, the intermediate portion of said top-plate providing a generally horizontal wall over the space between the tubs.

5. In a laundry machine, in combination, a supporting structure, a pair of cylindrical tubs carried side-by-side on said supporting structure, means for securing said tubs to each other at their upper ends, an apertured top-plate at one end of the machine overlying one of said tubs, and means for attaching said top-plate solely to said means.

16. A laundry machine comprising, a pair of generally cylindrical tubs located one alongside of the other, support means for said tubs, operating mechanism for the machine, vertically disposed wall means adjacent to the contiguous portions of said tubs at one side of the machine and defining with the sides of the tubs a space or enclosure, one or more manually operable control members for said mechanism at the front side of said wall means in convenient location for manipulation by the operator of the machine, operative connections between said control members and said mechanism including structure located in said space or enclosure and concealed behind said wall means.

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**2,116,760**
**LUBRICATING APPARATUS**
**Victor G. Klein, St. Louis, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri**
**Application May 19, 1937, Serial No. 143,402**
**7 Claims. (Cl. 103—203)**

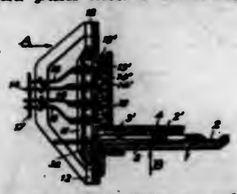


1. A pump comprising a cylinder, a valved piston reciprocating therein, an inlet valve spaced from said piston, air-transmitting means on the piston and movable therewith extending from a point between said piston and said inlet valve to a point beyond the inlet valve, said air-transmitting means having at least one air-receiving opening adjacent said piston.

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**2,116,761**
**JACQUARD DEVICE CONTROLLED KNITTING MACHINE**
**Hans Kerber, Couvet, Switzerland, assignor to the firm Edouard Dubied & Cie. Société Anonyme, Neuchâtel, Switzerland**
**Application February 8, 1937, Serial No. 124,629**
**In Germany February 11, 1936**
**9 Claims. (Cl. 66—75)**

1. In a Jacquard device controlled knitting machine as a pearl knitting machine for producing a great number of pattern effects, a needle bed, knitting members movably arranged in said needle bed, an auxiliary bed combined with said needle bed, auxiliary Jacquard device controlled push means associated at least two in number with the individual knitting members and guided by means of said auxiliary bed, slide means simultaneously traversing said needle bed and said auxiliary bed and comprising knitting member actuating and push means actuating cam por-



tions for engaging said knitting members by their correlated cam portions by means of said push means, auxiliary members displaceably guided by said auxiliary bed operatively connecting said knitting members with said auxiliary push means, and a pattern card combined with said Jacquard device for selecting said push means for cooperation with their correlated cam portions for varying the length of movement of said knitting members in accordance with the pattern represented by said card.

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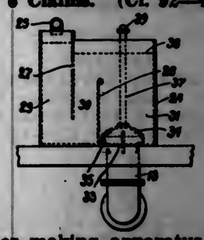
**2,116,762**
**GOLF CLUB JOINT**
**Arthur A. Kraeuter, South Orange, N. J., assignor to The Kroydon Company, a corporation of New Jersey**
**Application December 28, 1928, Serial No. 328,927**
**Renewed July 29, 1937**
**4 Claims. (Cl. 273—80)**



1. In a golf club, the combination with a metal head provided with a hosel having a socket therein, of a metal shaft fitting and fixedly secured within said socket in said hosel metal to metal, and an upwardly tapered metal sleeve immovably fixed upon said shaft metal to metal with its lower end in spaced relation to the lower end of the shaft and in supporting abutting engagement with the hosel, the abutting surfaces of the hosel and sleeve being of substantial extent radially, said sleeve lying entirely outside of the socket in said hosel and said abutting surfaces of said hosel and sleeve being slidable upon each other.



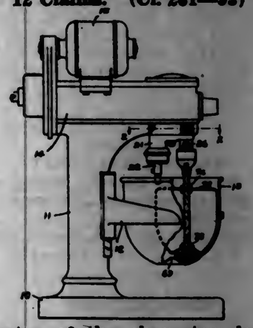
**2,116,763**
**PAPER MAKING MACHINE**
**Herman L. Kutter, Hamilton, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio**
**Application July 16, 1935, Serial No. 31,641**
**6 Claims. (Cl. 92—43)**



2. In paper making apparatus, a mix box, a forming screen, and a stuff pipe extending from said mix box for supplying paper pulp stock to the forming screen, said mix box having baffle means producing an abrupt change in the direction of flow and providing for downward movement of the stock toward the stuff pipe, and means at a low point in the mix box for collecting air from the stock as the stock travels toward the stuff pipe.

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**2,116,764**
**FOOD HANDLING APPARATUS**
**David A. Mecker, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio**
**Application July 30, 1934, Serial No. 737,541**
**12 Claims. (Cl. 261—93)**

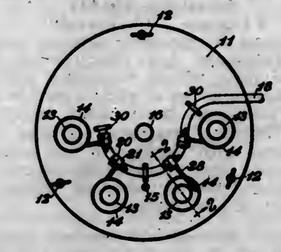


1. Apparatus of the character described for aerating liquid foodstuffs comprising a motor, a bowl for receiving a liquid, an air pump driven by said motor, air distributing means including a plurality of members in surface to surface contact and formed with fine grooves on the surface thereof adapted to introduce air forced therethrough into the liquid in minute streams of finely divided bubbles, means for supporting said air distributing means providing for uniform controlled movement of said air distributing means with respect to the entire contents of said bowl, and means for supplying air from said air pump to said air distributing means.

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**2,116,765**
**VISCOMETER**
**Elmer H. Payne, Wood River, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana**
**Application September 4, 1936, Serial No. 99,260**
**9 Claims. (Cl. 265—11)**

8. In combination a viscometer having a plurality of viscometer tubes, said viscometer tubes each being provided with an overflow cup surrounding the top of said tube, a main suction line, an off-take suction line for each of said viscometer tubes, a withdrawal tube cooperating with each of said off-take suction lines, and means disposed between each of said off-take



tubes and the corresponding withdrawal tube for providing relative motion therebetween, each of said withdrawal tubes being adapted to cooperate with one of said overflow cups to withdraw excess liquid therefrom, said excess liquid being withdrawn through said withdrawal tube, said off-take suction line and said main suction line.

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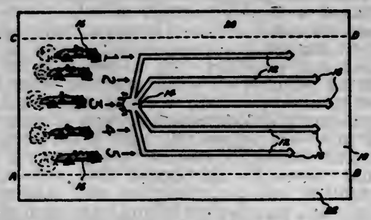
**2,116,766**
**REEDING APPARATUS USED IN TEXTILE MANUFACTURES**
**George B. Phillips, Easthampton, Mass.**
**Application February 8, 1937, Serial No. 124,547**
**6 Claims. (Cl. 28—40)**



1. A leasing reed for the purpose described, comprising, a pair of reed frames angularly disposed relative to each other and pivoted on a common axis, a second pair of reed frames supported above said first-named pair and pivoted on the same axis, a plurality of reed needles rotatably supported in said frames, each of said needles being formed with an elongated eye located midway of its length.

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**2,116,767**
**RACING GAME**
**Joseph Ray, Philadelphia, Pa.**
**Application February 3, 1936, Serial No. 62,033**
**3 Claims. (Cl. 273—86)**

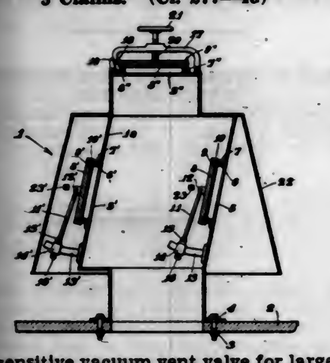


1. A racing game comprising a sheet of inflammable material having a plurality of tracks marked thereon by applying an ignitible solution to form said tracks, said tracks being all of equal length and having a common starting point.

2,116,768
SIZING PAPER
Ben W. Rowland, Appleton, Wis., assignor to Institute of Paper Chemistry, Appleton, Wis., a corporation of Wisconsin
No Drawing. Application December 7, 1934, Serial No. 756,533
3 Claims. (Cl. 134—20)

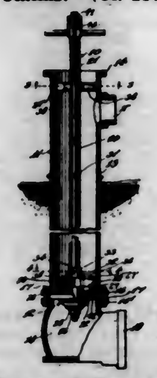
1. A method of preparing a paper pulp sizing solution containing acid precipitable colloidal particles of rosin which comprises adding to a dilute aqueous solution of alkali resinate about 10 to 50 per cent soya bean casein based on the weight of the alkali resinate, allowing the mixture to stand until the casein has become dispersed and the alkali resinate has become at least partially hydrolyzed as indicated by the increasing turbidity of the solution.

2,116,769
PRESSURE VACUUM RELIEF VALVE
Carl J. Schroeder, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 30, 1937, Serial No. 151,168
5 Claims. (Cl. 277—48)



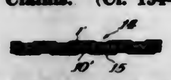
5. A sensitive vacuum vent valve for large storage tanks adapted to contain volatile materials, said valve including a housing adapted to be received about an opening in communication with the vapor space of said tank, said housing being provided with a first means operable in response to a predetermined degree of vacuum in said vapor space for venting the same, and a second means operable responsive to a predetermined excess pressure in said vapor space for venting the same, said first means comprising a first port formed in said housing and provided with a valve seat about the periphery thereof, said seat being positioned in a substantially vertical plane and facing inwardly of said housing, said second means comprising a second port formed in said housing and provided with a second valve seat about the periphery thereof, said seat being positioned in a substantially vertical plane and facing outwardly of said housing, each of said seats being provided respectively with a valve for engagement therewith, means for supporting each of said valves for movement into and out of engagement with its respective seat, said means comprising a member extending from each of said valves, a pivotal support for each of said members, said supports each being disposed below the center of gravity of its respective valve and outside the vertical planes passing through said respective centers of gravity and in a direction generally parallel to the faces of said valves, whereby the force of gravity acting upon each valve is divided into a first component and a second component, respectively, said first components acting downwardly through the respective pivotal supports and said second components acting substantially perpendicular to the plane of said respective seats, and having its maximum value when said valve is in position on its seat.

2,116,770
HYDRANT APPLIANCE
Anthony Scillia, Montclair, N. J.
Application August 5, 1937, Serial No. 157,482
6 Claims. (Cl. 137—13)



2. An appliance of the character described comprising an elongated hollow tube provided at its lower end with a head having means for engaging vanes of a hydrant valve plate, said head having an internal non-circular portion adapted to register with an external non-circular portion of the valve stem.

2,116,771
INSULATING UNIT
Duncan R. Seaman, Detroit, Mich., assignor to Seaman Paper Company, Chicago, Ill., a corporation of Illinois
Application May 29, 1935, Serial No. 24,162
2 Claims. (Cl. 154—44)

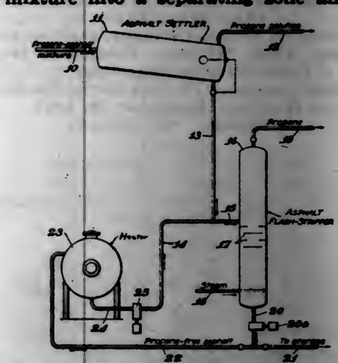


1. An insulating board comprising a body of loosely felted fibrous material having a plurality of indentations and projections upon each face thereof, a waterproof coating upon a surface thereof which conforms with said surface, and a fibrous liner adhesively united by said coating to said body, said fibrous liner also conforming with the indentations and projections of said surface, the crests of the opposite surface being adhesively united to a metal base.

2,116,772
DEPROPANIZING ASPHALT
Elton B. Tucker, Highlands, Ind., and Ernest W. Thiele, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 23, 1936, Serial No. 117,278
4 Claims. (Cl. 196—75)

1. A method of avoiding foam difficulties in the separation of propane from asphalt which comprises increasing the temperature of a propane-asphalt mixture to at least 400° F., introducing said mixture into a separating zone and separately withdrawing propane and asphalt from said zone.

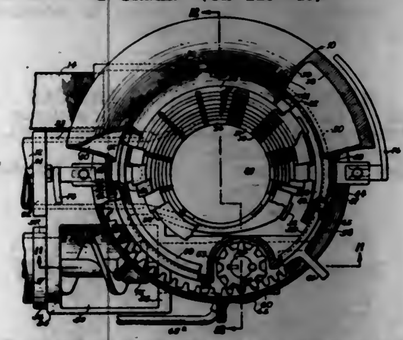




2,116,773
CONVERSION OF HYDROCARBONS
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill., a corporation of Indiana
No Drawing. Application November 21, 1934, Serial No. 754,089
1 Claim. (Cl. 260—170)

In the pyrolysis of normally gaseous saturated hydrocarbon vapors, separated from free oxygen and oxygen-containing compounds, into unsaturated gases; the improvement which comprises passing the saturated hydrocarbon gases through a bed of calcium oxide, thereafter heating the gases to a temperature in the neighborhood of 800° F., adding zinc vapors to said gases while at said elevated temperature, thereafter removing the unoxidized zinc and zinc oxide from said hydrocarbon vapors before subjecting the same to the pyrolytic treatment.

2,116,774
MECHANICAL STOKER
Joseph Henry Walter, Springfield, Ohio, assignor, by mesne assignments to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio
Application November 25, 1932, Serial No. 644,247
1 Claim. (Cl. 110—45)



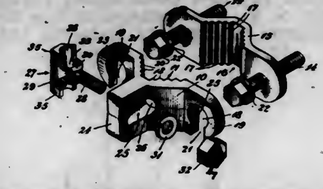
In a stoker, in combination, a fire pot, a base wall defining a plenum chamber about said fire pot, a fuel supply duct opening through one side of said wall to said fire pot, an air supply duct opening to the same side of said plenum chamber, a nest of tuyère rings mounted on said pot, said tuyère rings defining a plurality of peripherally spaced air ports in communication with said chamber and opening to said fire pot, the ports in the side of said rings adjacent said ducts being smaller in effective area than the ports in the other side of said rings.

2,116,775
SCREW DRIVER
George P. Blackburn, South Portland, Maine
Application March 3, 1936, Serial No. 66,963
3 Claims. (Cl. 145—50)



1. A screw-driver comprising a handle, a ferrule secured on said handle and having in its outer end an opening made in the form of a cross, four flat, straight bits adapted to be assembled in the shape of a cross, and in this form insertable in said handle through the cross-shape opening in said ferrule, the inner edges of said bits being bevelled two ways, providing a miter-joint construction when said bits are brought together on the axis line of said handle, coincident with the intersecting point of the central lines cutting the cross openings in said ferrule, means to secure said bits in said handle, and a chuck mechanism, including a collet and sleeve, mounted on said bits adjacent the screw-driving ends thereof.

2,116,776
GROUND FITTING
Carl G. Bondeson, Terryville, Conn., assignor to The Andrew Terry Company, Terryville, Conn., a corporation of Connecticut
Application November 8, 1934, Serial No. 752,090
2 Claims. (Cl. 173—273)

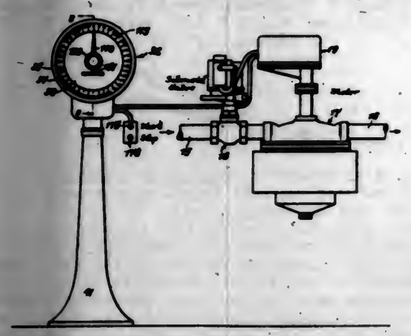


1. A ground fitting having a clamp adapted to be clamped on a grounding pipe and having a lug extending therefrom and having an aperture; a wire clamp having a wire-receiving apertured portion; and means extending through the aperture in the lug for clamping the same against the lug, the surface of the lug against which the wire is clamped being biplanar and the apertured portion of the wire clamp being provided with transverse wings extending on each side of the aperture in the lug, each wing having a wire-receiving groove longitudinally thereof, the surface of each groove being conical in nature and the grooves respectively coacting with the plane surfaces of the lug to form a wire-receiving channel having parallel surfaces.

2,116,777
METER
Edward Harold Brayer, Buffalo, N. Y., assignor to Brayer Brothers Construction Corporation, Buffalo, N. Y., a corporation of New York
Application May 29, 1937, Serial No. 145,591
13 Claims. (Cl. 221—101)

1. In a fluid metering system, metering means, means controlling the flow of fluid therethrough,

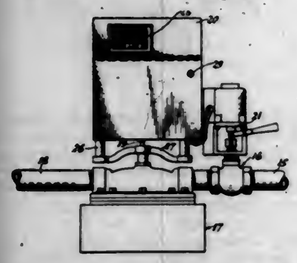
a shaft, means for driving said shaft in synchronism with said metering means, a reset motor for driving said shaft in the opposite direction to reset the parts to initial position, a member normally driven by said shaft, means for manually adjustably rotating said member relative to said shaft, a finger moved in response to the rotation of said member, a second finger moved in re-



sponse to the rotation of said shaft, means actuated by said first finger for actuating said controlling means to stop the flow of fluid through said metering means and energizing said reset motor and means actuated by said second finger for deenergizing said reset motor whereby the spacing of said fingers regulates the quantity of fluid delivered.

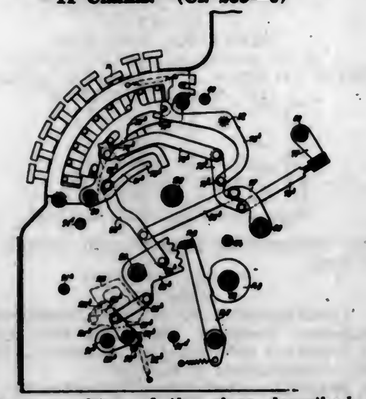
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**2,116,778**
**METERING APPARATUS**
**Edward Harold Brayer, Buffalo, N. Y., assignor to Brayer Brothers Construction Corporation, Buffalo, N. Y., a corporation of New York**
**Application May 29, 1937, Serial No. 145,592**
**22 Claims. (Cl. 221—101)**



1. In a fluid metering system, metering means, means controlling the flow of fluid therethrough, a differential gear including a differential shaft, a spider fast to said differential shaft, a ring gear at each side of said spider and rotatable around said shaft, pinions rotatably mounted on said spider and meshing with both of said ring gears, means for driving one of said ring gears through motion derived from said metering means, a reset motor for driving the other ring gear to rotate said shaft in the opposite direction to reset the parts to initial position, and means actuated by said shaft for actuating said controlling means to stop the flow of fluid through said metering means and energizing said reset motor and subsequently deenergizing said reset motor.

**2,116,779**
**CASH REGISTER, ACCOUNTING, AND THE LIKE MACHINES**
**Ernst Breitling, Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland**
**Application December 18, 1934, Serial No. 758,069**
**In Germany December 20, 1933**
**11 Claims. (Cl. 235—6)**

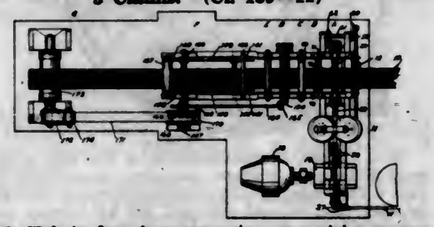


1. In a machine of the class described, the combination with a multiple item totalizer and a plurality of special totalizers, of a multiple item control key, a plurality of special keys for selecting the special totalizers for entering single amounts and multiple-items, and of a plurality of multiple-item-total taking keys corresponding to the special keys.

11. In a machine of the class described, the combination of a multiple-item totalizer, actuators therefor, a multiple-item key for selecting said totalizer for item entries, a plurality of multiple-item total keys for taking totals from said totalizer, means to engage said totalizer with the actuators for item entries, means to engage said totalizer with the actuators for total taking operations, a member connected with the totalizer selectively coacting with said engaging means, means to adjust said member to coact with either of said engaging means, and a key detent connected with said adjusting means and having a plurality of oblique surfaces coacting with said keys when the keys are depressed for controlling the positioning of said members to selectively coact with said engaging means.

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**2,116,780**
**MACHINE FOR MAKING FABRICS**
**Victor Chartener, Monessen, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania**
**Application February 13, 1935, Serial No. 6,303**
**3 Claims. (Cl. 139—11)**

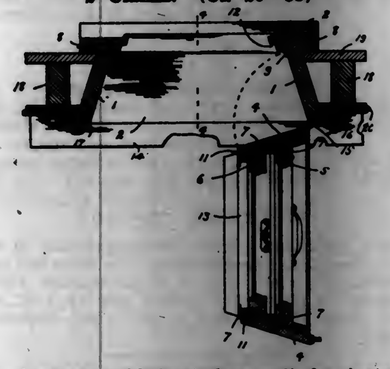


1. Fabric-forming apparatus comprising means for advancing wire strands longitudinally to approximately a common plane, means for deflecting certain of said wire strands to form a space in the mid plane of the fabric, means for supplying stay wires, and means for crimping said wires and feeding them into said space, with the crimps disposed in a plane substantially parallel to the plane of the fabric.



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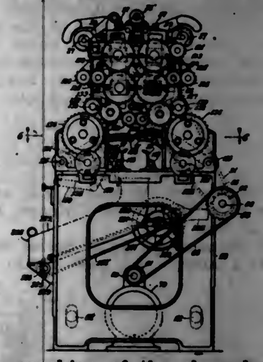
**2,116,781**
**WINDOW CONSTRUCTION**
**Peter Delich, Duluth, Minn.**
**Application March 19, 1937, Serial No. 131,910**
**2 Claims. (Cl. 20—53)**



1. A preassembled window unit for installation within the frame structure of a building from the interior thereof comprising in combination a principal frame structure and an auxiliary sash carrying structure hingedly carried by said principal structure and characterized by having means intermediate of said structures for removably carrying an auxiliary sash.

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**2,116,782**
**INTERFOLDING MACHINE**
**James J. Deleye, Neenah, Wis., assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware**
**Application February 2, 1933, Serial No. 654,857**
**Renewed November 1, 1935**
**14 Claims. (Cl. 270—39)**



1. In a machine of the class described, the combination of means for transversely severing a web of paper at longitudinally spaced intervals, said means including a cutter roll, means for feeding the web to said roll, means for withdrawing the web from said roll, said feeding and withdrawing means being operated to feed the web and withdraw the web at substantially the same speed so as to maintain the web under predetermined tension on the cutter roll, said feeding means including a pair of rolls, eccentric means for mounting one of said rolls for adjustment towards or from the other, and means interconnecting said rolls for rotation at the same peripheral speed.

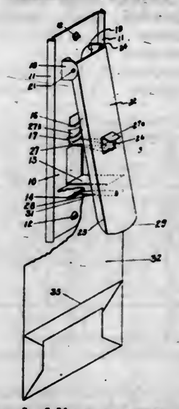
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**2,116,783**
**PREPARATION OF FORMALDEHYDE CONCENTRATES**
**Hermann Finkenbeiner, Constance, and Wendelin Schmäche, Buchschlag, Germany, assignors to Deutsche Gold- und Silber-Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany**
**No Drawing. Application November 9, 1934, Serial No. 752,372. In Germany November 17, 1933**
**15 Claims. (Cl. 260—140)**

1. A process for producing soluble formaldehyde concentrates which comprises concentrating an acid formaldehyde solution containing substantially less than 0.03% of formic acid.

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**2,116,784**
**BAG HOLDER**
**Alvin J. Geesaman, Cedar Rapids, Iowa**
**Application January 21, 1937, Serial No. 121,542**
**3 Claims. (Cl. 211—57)**



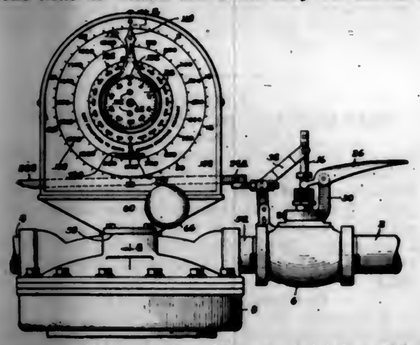
1. In a bag holding means, a base plate, a prong plate pivotally engaged to the base plate, the base plate having a plurality of upstruck portions, a latch member engaged by at least one of the upstruck portions, another upstruck portion being disposed to act as a stop for the prong plate.

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**2,116,785**
**REPEATING METER**
**Clement P. Griffith, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind., a corporation of Indiana**
**Application November 30, 1934, Serial No. 755,386**
**9 Claims. (Cl. 221—101)**

1. A predetermining device comprising an indicator including a stationary dial and fast and slow moving hands drivable in one direction with respect to said stationary dial, a graduated scale movable with each of said hands when the same are driven with respect to the stationary dial,

stationary index means operatively associated with one of said scales, an index stationary with respect to one of the hands and operatively associated with the other scale, manually operable means to turn the hands in a direction opposite from that in which the same may be driven in



order to adjust the hands to an initial or starting position and to shift said scales relatively with respect to said hands, and actuatable means operably associated with said scales and adapted for actuation upon predetermined movement of the same with said hands when the hands are driven as aforesaid.

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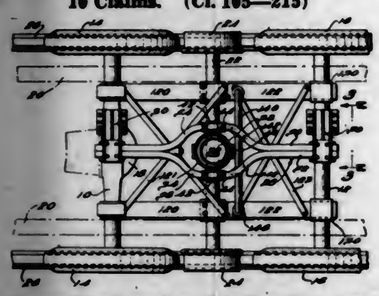
2,116,786

**COMBINED ROAD AND RAIL VEHICLE**

**Charles Gross, Detroit, Mich., assignor to Transportation Systems Inc., Tulsa, Okla., a corporation of Oklahoma**

**Application December 12, 1936, Serial No. 115,510**

**10 Claims. (Cl. 105—215)**



1. A combined road and rail vehicle having a pair of main axles and wheels associated therewith forming a rear truck for said vehicle and a pilot axle and a pair of pilot wheels associated therewith for guiding said vehicle during rail travel and including, in combination, raising and lowering mechanism for said pilot wheels, means connecting said mechanism to said pilot axle, a supplemental frame member, means connecting said raising and lowering mechanism to said supplemental frame member, and resilient means connecting said supplemental frame member to said main axles.

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2,116,787

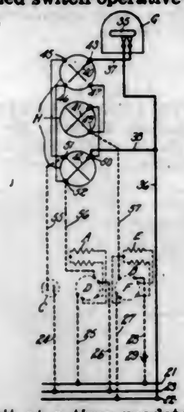
**SYSTEM OF CONTROL FOR ELECTRIC RANGES**

**George H. Hart, West Hartford, Conn., assignor to The Hart Manufacturing Company, Hartford, Conn., a corporation of Connecticut**

**Application June 15, 1933, Serial No. 675,869**

**4 Claims. (Cl. 219—20)**

4. In an electric range, the combination with a plurality of current consuming units, of connections for supplying current to said units comprising manually operable switches for turning the current on and off said units selectively; a time controlled switch operative automatically to



close a circuit at a time predeterminable at will and to open said circuit again at a later but predeterminable time, and a single selector switch operable to place any desired one only of said units under the control of said time controlled switch.

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2,116,788

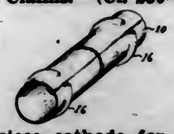
**THERMIONIC VALVE ELECTRODE CONSTRUCTION**

**Adolf Haslauer, East Orange, N. J., assignor to Superior Tube Company, Philadelphia, Pa., a corporation of Pennsylvania**

**Application August 28, 1936, Serial No. 98,333**

**Renewed November 15, 1937**

**7 Claims. (Cl. 250—27.5)**



1. A one-piece cathode for thermionic tubes comprising, a tubular member formed from a sheet metal blank having a transverse outstruck boss thereon terminating short of the side margins of said blank, said blank being bent into tubular shape and formed with a lock seam joint, said boss providing an external bead on said cathode terminating short of said joint.

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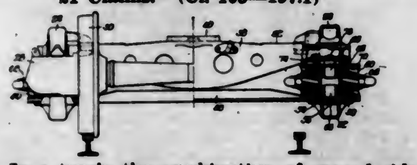
2,116,789

**TRUCK**

**William C. Hedgcock, Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey**

**Application January 16, 1933, Serial No. 651,898**

**21 Claims. (Cl. 105—197.1)**



3. In a truck, the combination of spaced side frames each including tension and compression



members merging adjacent the ends thereof and provided with journal means having cooperative relation with the journal ends of wheel and axle assemblies, spaced columns integral with said tension and compression members and forming a window therewith, a bolster extending into said window of each of said side frames, coil and leaf spring seats supported on said side frames and supporting said bolster, a spring cap interposed between said springs and said bolster, said spring cap having a portion interlocking with said columns and slidably cooperating therewith, spaced positioning and supporting lugs engaging said bolster, and spaced coil and leaf spring seats in engagement with said springs.

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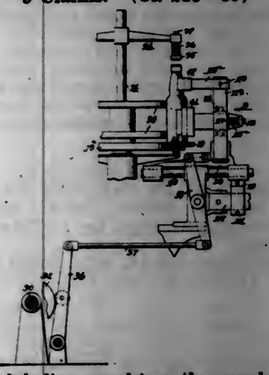
2,116,790

**LABEL PRESSING DEVICE**

**Carl Holm, Worcester, Mass., assignor to Economic Machinery Company, Worcester, Mass., a corporation of Massachusetts**

**Original application August 11, 1936, Serial No. 95,371. Divided and this application April 8, 1937, Serial No. 135,795**

**9 Claims. (Cl. 216—59)**



1. In a labeling machine, the combination of a vertical rod, caps carried by said rod for pressing down on the tops of articles to be labeled, a disc shaped body constituting a guide plate, an intermittently movable article carrier, and a pressure labeling device in a position to engage the label on an article to be labeled when it is held against said guide plate.

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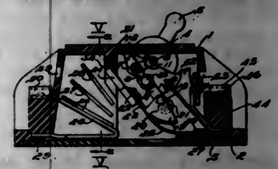
2,116,791

**CIRCUIT BREAKER**

**John G. Jackson, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan**

**Application December 27, 1934, Serial No. 759,353**

**21 Claims. (Cl. 200—116)**



21. In an automatic electric circuit breaker, separable contacts, automatic means for separating said contacts including a series connected U-shaped bimetallic member, spaced arms of predetermined resistance connected to the legs of said member, and interchangeable links of predetermined resistance connectable across said arms to complete a shunt circuit for said member, the resistance of said arms being such that with a link of negligible resistance the shunt will not by-pass more than a predetermined portion of the circuit current.

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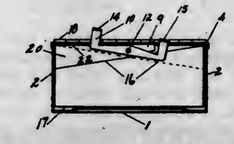
2,116,792

**PAPER TOWEL DISPENSER**

**Edwin Jacobsen, Altadena, Calif.**

**Original application December 28, 1936, Serial No. 117,830. Divided and this application March 17, 1937, Serial No. 131,442**

**2 Claims. (Cl. 312—58)**



2. A paper dispensing cabinet, adapted to dispense a stack of paper sheets having alternately arranged angular front edges, having back, side and top elements formed into a boxlike structure, a step extending inwardly from the back of the cabinet for supporting the back edges of the paper, said step having a free end inclined downwardly and forwardly, a triangular bracket extending inwardly from the front of the cabinet for supporting the front edge of the paper, a releasing lever presenting a substantially straight inner edge hinged to said bracket for horizontal movement for alternately releasing the angular ends of paper that rest thereon.

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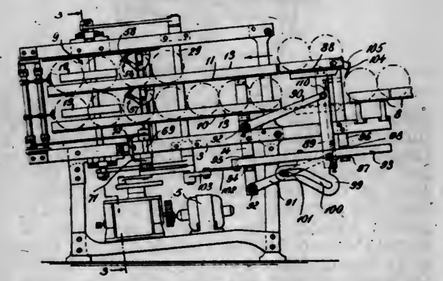
2,116,793

**CAN CASING MACHINE**

**Wallace D. Kimball, Jackson Heights, and Cornelius I. Braren, Jamaica, N. Y., assignors to Standard-Knapp Corporation, Long Island City, N. Y., a corporation of New York**

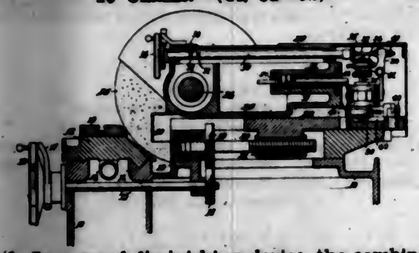
**Application April 17, 1936, Serial No. 74,840**

**18 Claims. (Cl. 226—15)**



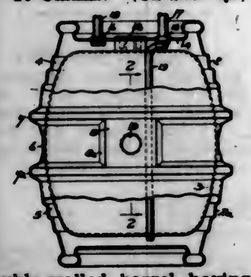
1. In a can casing machine the combination of a charge-holding frame for receiving at least two superposed rows of cans and from which the cans can be ejected into a case, a plunger for pushing a charge of cans in said frame into the case, two conveyors along which the cans move by gravity leading to the respective rows of said frame, a can feed conveyor connected to one of said conveyors, and means for bodily transferring as a group a plurality of cans from said feed conveyor to said other conveyor while maintaining substantially constant the application of gravitational force to the cans tending to cause them to roll.

2,116,794
**DIMINISHING FEED**
Ephege D. La Fleur, Lancaster, Mass.
Application December 21, 1937, Serial No. 181,092
10 Claims. (Cl. 51—92)



1. In a speed diminishing device, the combination with a member to be reciprocated, of hydraulic means for moving said member, means for supplying said means with a motive liquid under pressure, a cylinder movable exactly with said member, a single acting piston movable in said cylinder and having a rod projecting therefrom, means for supplying said cylinder with a motive liquid under a measured pressure to move its piston backwardly with respect to the direction of motion of said member near the end of the stroke thereof, and means operated by said piston rod and cooperating with said member for reducing the speed of said member toward the end of its stroke.

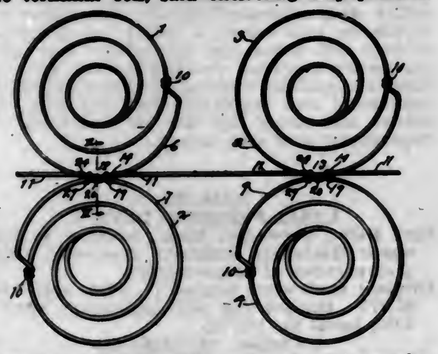
2,116,795
**DOUBLE WALLED BARREL**
Edward F. Lee, Detroit, Mich.
Application February 10, 1937, Serial No. 125,659
10 Claims. (Cl. 220—13)



1. A double-walled barrel having inner and outer shell portions spaced from one another throughout the greater portion of the barrel, and spaced head portions one within the other, an inlet and an outlet fitting extending through the outer shell of one head, and a pipe extending from the inner extremity of the inlet fitting and terminating adjacent the opposite extremity of the barrel through which a cooling medium is adapted to be circulated from the inlet fitting, through the space between the outer and inner shells and back to and through the outlet fitting.

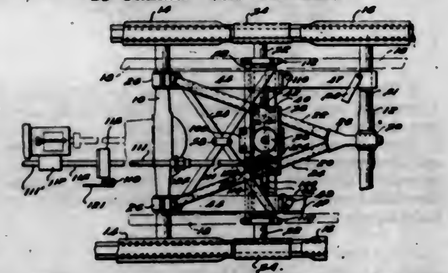
2,116,796
**SPRING ASSEMBLY**
David I. Levine, Lynn, Mass., assignor to Lisson & Mellen Company, Lynn, Mass., a corporation
Application March 9, 1936, Serial No. 67,968
5 Claims. (Cl. 5—273)

5. A spring assembly comprising a plurality of rows of coiled spring units, the adjacent segments of the companion terminal coils of pairs of said spring units being constricted against their natural resilience in a substantially parallel formation and being held in said formation by a tie wire having sub-positioned rectilinear abutting portions and laterally offset coil encircling loop portions at spaced intervals, said rectilinear portions abutting and underlying the bottom of one terminal coil, said encircling loop portions



having their legs spaced apart and passing under, over, and under the said constricted segments, the side of the crown of said encircling loop portion abutting the said adjacent terminal coil, said sub-positioned rectilinear portion preventing the remainder of said terminal coil from turning downwardly upon said abutting portion as an axis.

2,116,797
**COMBINED ROAD AND RAIL VEHICLE**
Sulo M. Nampa, Detroit, Mich., assignor to Transportation Systems, Inc., a corporation of Oklahoma
Application November 18, 1935, Serial No. 50,384
13 Claims. (Cl. 105—215)



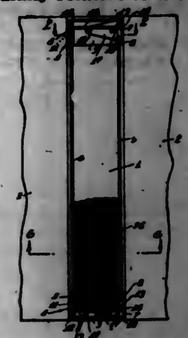
1. The combination in a combined road and rail vehicle for road and rail travel, having a main truck comprising a pair of related main axles and main wheels therefor and having means for suspending said main truck from said vehicle, of means comprising a pilot axle and pilot wheels therefor for guiding said main truck wheels in engagement with said rails and positioned between said main axles, and means independent of said main truck suspending means for transmitting a portion of the load on said main truck directly from said main truck to said pilot axle.

2,116,798
**BOOK COVER**
Francis John Osuch, Detroit, Mich., assignor to Robot Products Corporation, Detroit, Mich., a corporation of Michigan
Application November 12, 1934, Serial No. 752,632
11 Claims. (Cl. 129—24)

7. In combination with a book cover, a rod ro-

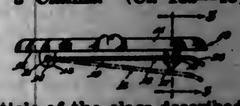


tatably supported upon said cover in substantially parallel spaced relation thereto, bowed parts formed on the ends of said rod and extending substantially radially relative to the rod, the out-



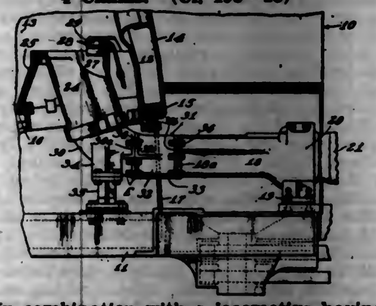
er ends of said bowed parts being provided with retainer receiving means, and pivoted retainer elements adapted to be received in said retainer receiving means.

2,116,799
**BARRETTE**
Daniel D. Schneeweis, Brooklyn, N. Y.
Application October 22, 1936, Serial No. 106,949
3 Claims. (Cl. 132—48)



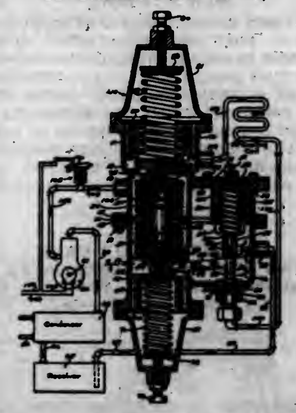
1. An article of the class described, comprising a back member formed of plastic material, a lug at one end of said back, a tongue pivotally mounted on said lug, a plurality of spaced latch elements mounted at the other end of said back member, said tongue comprising a substantially U-shaped resilient wire element, the sides of which are adapted to contact with and be compressed by said latch elements for latching engagement when the tongue is pressed downwardly thereagainst.

2,116,800
**CONVEYER**
Elmer F. Seibel, Erie, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc. (1922), New York, N. Y., a corporation of Delaware
Application February 20, 1934, Serial No. 712,099
Renewed October 21, 1937
4 Claims. (Cl. 198—15)



1. In combination with a locomotive having a frame and a firebox above said frame, said firebox having a rear wall provided with a foundation ring, a stoker including a conduit at one end receiving fuel from a source of supply and at its opposite end delivering the fuel into the firebox, a conveyer screw rotatably mounted in said conduit, said conduit having a detachable portion intermediate its ends between the foundation ring and the frame split into a pair of sections, said detachable portion embracing at least a portion of the conveyer screw and having internal dimensions greater than the diameter of the conveyer screw embraced by said detachable portion, a key and groove arrangement in each of said sections, the key and groove of one section being interfitted respectively with a groove and key of the other section, the depth of the key and groove engagement being no greater than the difference between the internal dimensions of the detachable portion and the diameter of the conveyer screw therein, and means for securing said sections to said conduit.

2,116,801
**REFRIGERATION SYSTEM**
Paul F. Shivers, Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 27, 1934, Serial No. 732,637
31 Claims. (Cl. 62—8)

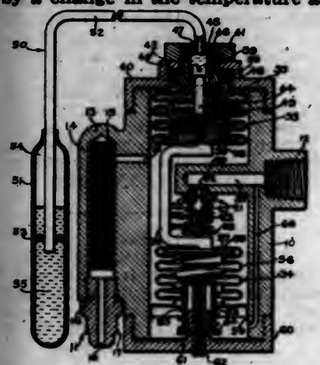


1. The combination with an expansion coil having its high pressure side connected to a suitable supply of liquid refrigerant and its low pressure side connected to a compressor, of a valve for interrupting communication between the expansion coil and compressor, means responsive to the temperature of the refrigerant on the low pressure side of the expansion coil for operating the valve to maintain said temperature substantially constant, and a device responsive to the pressure of the refrigerant on the low pressure side of the expansion coil for closing the valve, irrespective of the refrigerant temperature, when said pressure falls to a predetermined minimum.

2,116,802
**REFRIGERATION CONTROL APPARATUS**
Paul F. Shivers, Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 24, 1935, Serial No. 46,527
21 Claims. (Cl. 62—8)

1. In apparatus for cooling a space, pressure actuated means for varying the cooling effect of

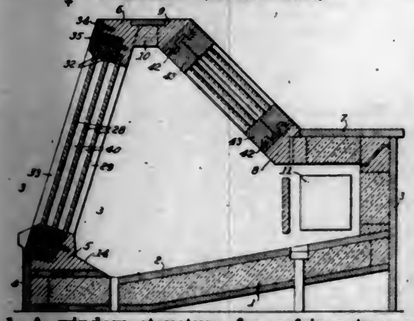
said apparatus, temperature responsive means for controlling said first named means, said temperature responsive means comprising a vapor containing member located at a point remote from said first named means, the temperature adjacent said first named means being lower than the temperature adjacent said vapor containing member, and hydraulic means for transmitting a variation in pressure in said vapor containing member due to a variation in vapor tension caused by a change in the temperature adjacent



thereto to said pressure actuated means to cause the same to vary the cooling effect of said apparatus, said hydraulic transmitting means comprising a fluid having such characteristics that it remains in a liquid condition within the temperature range to which the apparatus is subjected, and having a low coefficient of expansion, whereby the temperature at the pressure actuated means has substantially no effect upon the pressure exerted against the pressure actuated means.

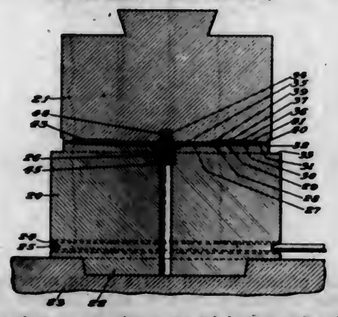
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**2,116,803**
**REFRIGERATOR CASE**
**Carl A. Speeri, Philadelphia, Pa.**
**Application July 26, 1933, Serial No. 682,262**
**8 Claims. (Cl. 20—56.5)**



1. A window structure for refrigerators and the like comprising a plurality of transparent panels, substantially incompressible rigid frames for the respective panels and having surfaces assembled face to face beyond the edges of said panels, frames aforesaid having substantially incompressible rigid members projecting between the panels, compressible means between said panels and members and between said surfaces, and clamping devices passing through one of the frames and into another thereof beyond the edges of said panels for drawing said surfaces together.

**2,116,804**
**FORGING APPARATUS**
**Clarence S. Swanson, Chicago, Ill., assignor, by mesne assignments, to Standard Forgings Corporation, Chicago, Ill., a corporation of Delaware**
**Application May 9, 1936, Serial No. 78,859**
**11 Claims. (Cl. 78—80)**



7. Forging apparatus comprising a pair of dies, one of which is rotatable, and one of said dies being mounted for reciprocation to and from the other die and having its striking face substantially equal in area to that of the forging to be produced thereby, said striking face being provided with a wide central striking surface portion and a relatively narrow marginal striking surface portion surrounding said central surface portion and connected thereto by a plurality of sector-shaped striking surface portions, and relatively shallow non-striking areas between the sides of the connected striking surface portions and merging therewith by relatively wide and gradually inclined surfaces which latter surfaces occupy substantially two-thirds of the non-striking areas.

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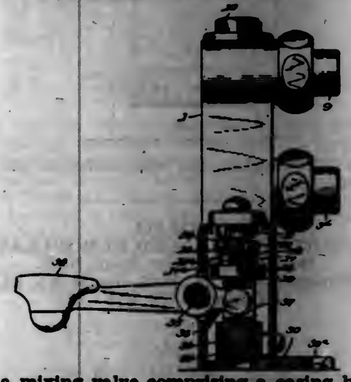
**2,116,805**
**APPARATUS FOR FORGING AND FORMING STEEL DISK WHEELS AND THE LIKE**
**Clarence S. Swanson, Chicago, Ill., assignor, by mesne assignments, to Standard Forgings Corporation, Chicago, Ill., a corporation of Delaware**
**Application May 9, 1936, Serial No. 78,860**
**4 Claims. (Cl. 78—80)**



1. Apparatus for forging disks for vehicle wheels and the like, comprising a pair of cooperating dies, one of which is rotatable, the lower die having a face provided with a flat, annular center-forming surface, a radially inclined concentric web forming surface for forming a thickened annular portion surrounding the annular center, an annular depression between said center and inclined surface, a second annular depression surrounding the inclined surface, and a radially inclined surface outwardly of said second annular depression, and the upper die being reciprocable and having a face approximately as large as the disk to be forged, said face being provided with striking surfaces in one horizontal plane and relatively shallow non-striking areas between said striking surfaces, said surfaces and areas being connected by relatively wide merging surfaces which are gradually inclined in a circumferential direction.



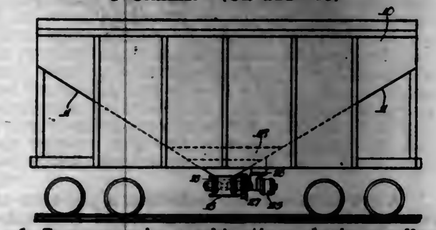
**2,116,806**
**MIXING VALVE**
**Roy H. Zinkil, Oak Park, and Edward A. Fredrickson, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois**
**Original application June 11, 1934, Serial No. 730,004, now Patent No. 2,094,283, dated September 28, 1937. Divided and this application November 13, 1936, Serial No. 110,582**
**1 Claim. (Cl. 277—16)**



In a mixing valve comprising a casing having hot and cold fluid inlets thereto and a fluid outlet or outlets therefrom, a housing adjacent to the said casing and having a forward, vertically extending wall, simultaneously operable valves for the control of fluids through said inlets, a crosshead reciprocably movable and journally guided within the interior lower portion of the said housing, the said crosshead being actuated by a single pivotable pedal operable exteriorly of said housing the said pedal being limited to downward movement and mounted upon said vertically extending wall, the said crosshead having independently adjustable means cooperating with the said pedal for accomplishing the time of movement and regulating the travel of the said valves, the latter having extending portions projecting within said housing, the said extending portions serving as means for contacting with the said adjustable means of the crosshead.

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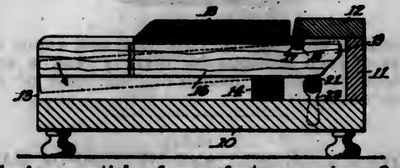
**2,116,807**
**UNLOADING MEANS FOR HOPPER CARS**
**Arthur J. Thrall, Chicago, Ill.**
**Application July 6, 1936, Serial No. 88,976**
**3 Claims. (Cl. 214—83)**



1. In a car, in combination, sloping walls, a center construction disposed longitudinally of said car, said center construction and said sloping walls being disposed relative to one another in position to direct lading within said car to spaced throats, an enclosure carried by said car below said throats, said enclosure having an opening communicating with said throats, said enclosure being an elongated member extending transversely of said car, barriers disposed transversely of said enclosure for restricting said throats, said enclosure at the two sides of said car having drop doors for the discharge of lading, a conveyor within said enclosure, and a motor for driving said conveyor.

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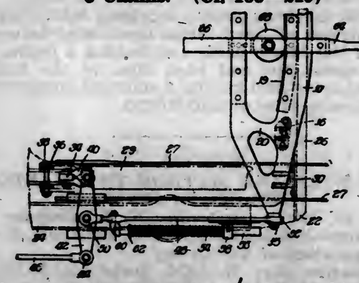
**2,116,808**
**KEY BOARD**
**Bernard E. Walberg, Worcester, Mass.**
**Application January 28, 1937, Serial No. 122,750**
**6 Claims. (Cl. 84—467)**



1. As an article of manufacture, a piano finger practice board comprising black and white keys, a continuous spring yielding downwardly on which said keys rest, and means for pivotally holding the keys at the top thereof.

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**2,116,809**
**RADIUS BAR**
**Edwin A. Walcher, Calumet City, and Walter H. Baselt, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey**
**Application July 15, 1935, Serial No. 31,460**
**5 Claims. (Cl. 188—219)**



1. In a brake arrangement, the combination of brake rigging, a radius bar connected to said rigging, said bar being substantially of truss construction including tension and compression members merging adjacent the ends thereof and having a window therebetween, said tension member having a wear member on the lower side thereof and extending into said window to form a track therein, a wear plate on the lower side of said compression member, and a pull rod for moving said radius bar to operate said rigging, said rod having a bifurcated jaw receiving said radius bar, said jaw including upper and lower members connected by a member disposed in said window and adapted to engage and slide on said track, a wear plate on said upper member over said tension member, and a wear plate on said lower member below said compression member.

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**2,116,810**
**ORNAMENTAL JEWELRY BOX**
**Jerome Warner, Buffalo, N. Y.**
**Application January 21, 1936, Serial No. 60,096**
**8 Claims. (Cl. 229—8)**

1. An ornamented jewelry box composed of nesting sections, the inner section having a plush

surface finish and the outer section being integral and conformably fitting the inner section and having design delineating portions providing an open formation to permit the nap of the plush



extending upwardly therethrough and about the edges of such portions for thereby serving as a protection for the delineating portions of the outer section.

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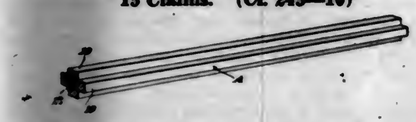
**2,116,811**
**WOVEN WIRE BELT AND METHOD OF MAKING THE SAME**
Nelson W. Webb, Belleville, N. J., assignor to Eastwood-Nealley Corporation, Belleville, N. J., a corporation of New Jersey
Application April 25, 1934, Serial No. 722,260
30 Claims. (Cl. 245—10)



1. Wire fabric or cloth comprising fabric parts, and a strand of hard metal interposed between edges of the fabric parts and having a facing of fusible metal, the end edge faces of the fabric parts engaging and having a soldered connection with opposite sides of said strand.

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**2,116,812**
**SEAM-WIRE AND METHOD FOR MAKING WIRE-CLOTH SEAMS**
Nelson W. Webb, Belleville, N. J., assignor to Eastwood-Nealley Corporation, Belleville, N. J., a corporation of New Jersey
Application May 15, 1936, Serial No. 79,931
15 Claims. (Cl. 245—10)

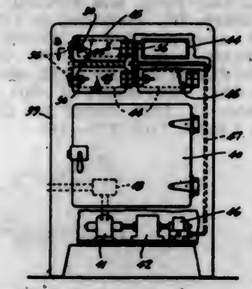


1. For making wire-cloth seams, a seam-wire having a cruciform transverse section, said wire being composed of a relatively fusible material except that it has a longitudinally extending core composed of a relatively infusible material, said core having a cross section such that parts thereof project into the cross-pieces of the seam-wire.

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**2,116,813**
**MEANS FOR PRESERVING FOOD**
Charles O'N. Weisser and Ernest H. Severson, Los Angeles, Calif.
Application December 26, 1933, Serial No. 703,880
5 Claims. (Cl. 99—270)

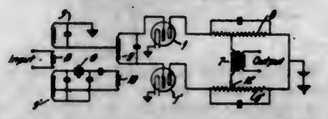
1. In combination, a refrigerator, a container therein, a door for the container, a gasket for the door, means for evacuating the container, and means, supported on the door, for permitting at will, the entry of air into the container, as well



as for disconnecting the evacuating means from the container.

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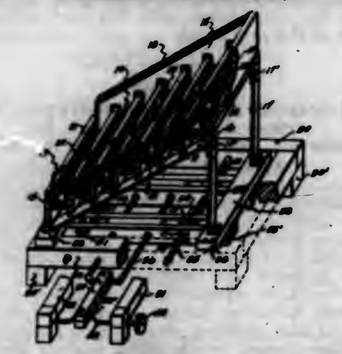
**2,116,814**
**DISTORTION BALANCED DEMODULATOR**
Donald A. Wilbur, Troy, N. Y.
Application June 18, 1935, Serial No. 27,159
11 Claims. (Cl. 250—20)



1. In a device for receiving a modulated radio signal comprising carrier and side components, means for producing from said signal two separate signals having corresponding carrier and side components but in which the relative phase relations between said carrier and said side components differ, and means for separately demodulating said signals.

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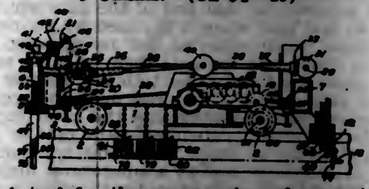
**2,116,815**
**DRY CONCENTRATOR**
Joseph G. Wilson, Tulsa, Okla.
Application September 19, 1936, Serial No. 101,625
6 Claims. (Cl. 209—479)



1. A dry concentrator including, a plurality of transversely stepped closely arranged longitudinally elongate trays mounted to reciprocate longitudinally in a fixed horizontal plane, and a plurality of transverse partitions secured in each tray and extending from the rear wall to the front wall but spaced from the bottom of the tray with the top thereof substantially level with the top of the lower wall of the tray.



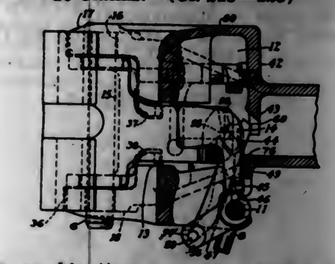
**2,116,816**
**CONCRETE ROAD-MAKING MACHINE**
Kaspar Winkler, Lugano-Crocifisso, Switzerland
Application March 11, 1936, Serial No. 68,287
In Germany March 14, 1935
9 Claims. (Cl. 94—49)



1. A tool for the compression of concrete for road making machines, comprising a vertically reciprocable carrier body and a kneading member attached to said carrier body, said kneading member having a narrow elongated bottom part in the form of a blade having a bent cross-section, so that on the kneading member being lowered it will penetrate deeply into the concrete and different portions of the working surfaces will force the concrete aside in different directions.

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**2,116,817**
**COUPLER**
Norman B. Akitt, Rochester, N. Y., assignor, by mesne assignments, to Gould Coupler Corporation, Rochester, N. Y., a corporation of New York
Application May 14, 1931, Serial No. 537,461
16 Claims. (Cl. 213—128)

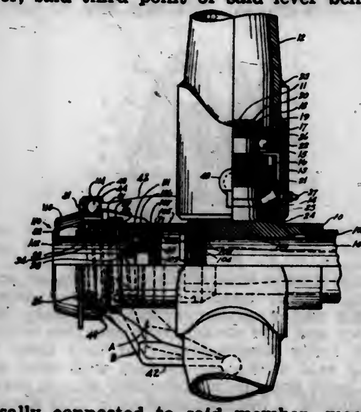


1. In combination, a coupler head, a knuckle rotatably mounted on said head, a lock for the knuckle, and operating means for said lock comprising a rocker shaft pivotally mounted on the under side of said head and having an arm extending forwardly from its pivotal axis, and a link pivotally connected to said arm and movably connected to said lock, said link being provided at its lower end with oppositely disposed trunnions rigidly connected thereto, and said arm being provided at its forward end with spaced portions forming bearings for respectively receiving said trunnions, one only of said bearing portions being open on one side to permit the introduction of the trunnion associated therewith, the connection between said link and lock preventing disconnecting movement between said link and arm.

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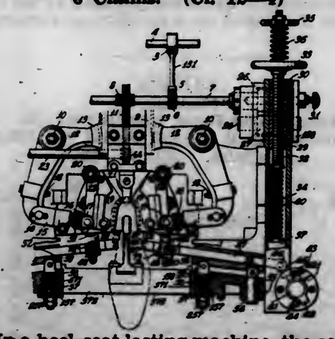
**2,116,818**
**PROPELLER**
Ellsworth W. Austin, Cedar Rapids, Iowa
Application June 6, 1936, Serial No. 83,912
14 Claims. (Cl. 170—163)

1. An aircraft propeller comprising a hub, blades adjustably mounted on said hub for pitch variation, a member mounted on said hub for both axial and rotary movement relative thereto, a three point lever universally connected at two of its points respectively to adjacent blades to adjust the pitch thereof upon tilting of said lever, said third point of said lever being universally connected to said member, means for positioning said member at various adjusted positions thereof to thereby maintain said third point of said lever in different positions to maintain different blade adjustments.



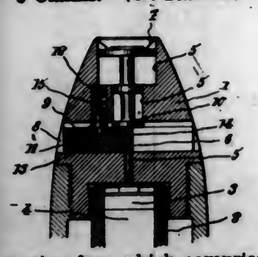
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**2,116,819**
**SHOE AND BOOT MAKING MACHINE**
Jan A. Bata, Zlin, Czechoslovakia
Application June 16, 1936, Serial No. 85,564
In Czechoslovakia April 23, 1935
6 Claims. (Cl. 12—4)



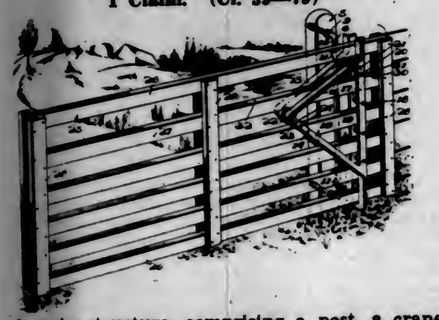
1. In a heel-seat lasting machine, the combination of heel wipers for pushing the heel portion of the upper over the insole with wiper supports having lateral wipers thereon, housings for said wiper supports, said wiper supports being slidable in said housings towards and away from the insole and the upper thereon for moving the lateral wipers over the edge of the upper and the bottom of the insole and said housings being pivotally mounted on the machine so as to be capable of swinging transversely with respect to the direction of the sliding motion of wiper supports, yielding supporting means for said housings, means for reciprocating said heel wipers for laying the margin of the upper over the insole, stop members connected to said heel wipers and arranged to bear against the lateral wiper supports and rock said supports together with the housings thereof against the action of the yielding supporting means and yielding driving means for reciprocating the lateral wiper supports.

**2,116,820**
**PERCUSSION FUSE**
**Marc Birkigt, Bois-Colombes, France**
**Application October 16, 1936, Serial No. 106,033**
**In Belgium September 11, 1936**
**3 Claims. (Cl. 102—39)**



1. A percussion fuse which comprises, in combination, a body having a longitudinal axis, a detonator and a striker within said body, said detonator and said striker being movable relative to each other longitudinally of said body for bringing said striker in contact with said detonator, said body being provided with a transverse housing, a member slidable in said housing for normally preventing said relative movement, said member having its center of gravity located in eccentric position with respect to the axis of said body and having an inclined surface at the front side thereof, an element movable in said body in a longitudinal direction thereof adapted to engage said member along said inclined surface so that an outward displacement of said member tends to thrust said element out of the way, and elastic means for urging said element against said member, said elastic means acting on said element in the same direction as the forces of inertia developed by a positive acceleration of the fuse.

**2,116,821**
**GATE**
**Enos Jearld Bopp, Illinois City, Ill.**
**Application April 9, 1937, Serial No. 136,010**
**1 Claim. (Cl. 39—79)**



A gate structure, comprising a post, a crane comprising a substantially vertical portion and an arm of substantial length carried by the vertical portion and projecting laterally beyond the same, means for pivotally mounting the substantially vertical portion upon the post so that the crane may swing horizontally upon a vertical axis near the substantially vertical portion, a lower roller connected with the arm near its free end, an upper roller connected with the substantially vertical portion near its upper end, the lower roller being arranged at a point horizontally remote from the upper roller, and a gate carried by the crane, said gate having a longitudinally extending part arranged above the lower roller with its lower face engaging the lower roller and beneath the upper roller with the upper face of said part being adapted to engage the upper roller, the upper face being provided adjacent to that end of the gate which is next to said post when it is closed with a recess, the upper roller entering the recess when the gate is closed and the gate then swinging vertically upon the lower roller to lower the free end of the gate so that it may rest upon the ground, the lower roller engaging with the lower face of the longitudinally extending part of the gate when the gate is closed at a point between the ends of said part and at a substantial distance from the opposite ends of said part and at a considerably greater distance from the free end of said part than its opposite end next to the post, the arrangement being such that the relatively short upward vertical swinging movement of that end of the gate next to the post when the gate is closed and caused by the upper roller entering the recess is sufficient to effect a considerably longer downward swinging movement of the free end of the gate to engage the ground and that portion of the gate between the lower roller and the post when the gate is closed serving to counter-balance to a considerable extent the remaining portion of the gate between the lower roller and its free end to render the raising of the free end easier.

**2,116,822**
**UNDERGARMENT**
**Samuel L. Berger, Newton Center, Mass., assignor to Boston Knitting Mills, Inc., Newton, Mass., a corporation of Massachusetts**
**Application November 2, 1937, Serial No. 172,436**
**2 Claims. (Cl. 2—224)**



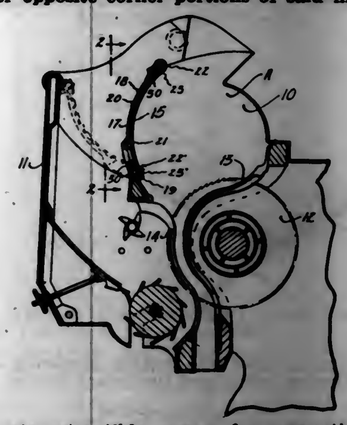
2. An undergarment of the class described made of elastic material, the garment being stretchable circumferentially and comprising a front panel, a back panel and a pair of side panels; said front and back panels each tapering downwardly and one of said panels having an end portion passing through the crotch and seamed to the other above the crotch and of suitable width at the crotch to serve as a supporter; said side panels each having a body portion and an integral tubular leg, said body portions tapering upwardly and having the side edges thereof secured to the side edges of the front and back panels, the inner sides of said legs extending downwardly from said crotch.

**2,116,823**
**CLOSURE FOR COTTON GIN ROLL BOXES**
**John Blewett, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a corporation of Texas**
**Application September 16, 1935, Serial No. 40,703**
**7 Claims. (Cl. 19—55)**

4. A closure for the roll box of a cotton gin

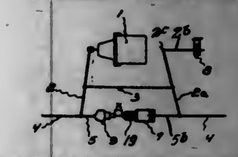


including, a longitudinally extending member arranged to close the forward end of said box, separate retractible means for supporting the upper opposite corner portions of said member,



separate retractible means for supporting the lower opposite corner portions of said member, and means for releasably retaining said retractible means in either their extended or retracted positions.

**2,116,824**
**VEHICLE BRAKE, ESPECIALLY FOR RAILWAY CARS**
**Bert Henry Browall, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden**
**Application February 15, 1935, Serial No. 6,749**
**In Germany and Switzerland February 26, 1934**
**7 Claims. (Cl. 188—198)**



1. In a vehicle brake rigging of the character described, a slack adjuster mounted in the brake rigging, an actuating device for said slack adjuster, operatively connected in the brake rigging, and a yielding means associated with said actuating device and allowing said actuating device, should it be subjected to relatively heavy stresses such as may result from the brake rigging being stressed due to shocks at shunting of the vehicle, to yield in the direction of said stresses, said yielding means being resistant in said direction to the relatvely moderate stresses arising in said actuating device at the normal operation thereof for actuating said slack adjuster.

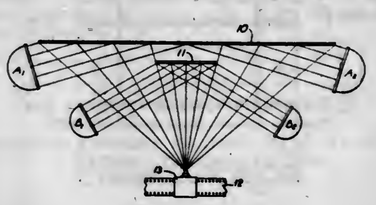
**2,116,825**
**CONTAINER FOR THE TRANSPORT OF MERCHANDISE**
**André Jules Alexandre Crescent, Paris, and Aimé Joseph Robinet, Villefranche-sur-Saone, France; said Robinet assignor to said Crescent**
**Application March 20, 1936, Serial No. 69,956**
**In France June 25, 1935**
**9 Claims. (Cl. 280—3)**

3. A rolling attachment for containers, comprising a vertical guide adapted to be detachably secured on opposite side walls of a container, a slide slidably mounted on each guide, a wheel of large diameter carried by said slide, a rubber tire on said wheel, a gear fixed to said wheel, a lateral extension carried by said slide, a pinion carried by said extension and meshing with the



gear on said wheel, means carried by said extension for rotating said pinion to rotate said wheel, a brake drum mounted on said wheel, brake shoes carried by said slide, means for actuating said brake shoes to brake said wheel, and a jack for moving said slide downwardly on said guide.

**2,116,826**
**PROCESS OF MAKING COMPOSITE PICTURES**
**William Vernon Draper and Frank William Young, Palms, Calif., assignors of one-third to Charles L. Stokes, Los Angeles, Calif.**
**Application July 2, 1934, Serial No. 733,470**
**10 Claims. (Cl. 88—16)**



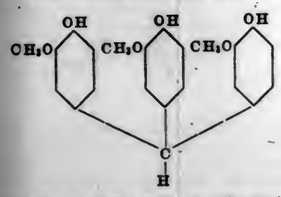
3. A process of making a composite picture which comprises: exposing a photographic element having a light sensitive silver halide emulsion to such conditions of light as to impose a reproducible image of a scene on one area of the element and controlling the exposure in adjacent areas of said element to provide reduced silver but no reproducible image therein, developing the emulsion, fixing the emulsion, treating the silver in the emulsion to make the same light sensitive, re-exposing the area of said reproducible image to light while protecting the remainder of the emulsion from light, exposing the unexposed remainder of said emulsion to a second different image, then developing and fixing the emulsion.

**2,116,827**
**POLYHYDROXY LEUCO DERIVATIVES OF TRIPHENYLMETHANE AND PROCESSES FOR THEIR PRODUCTION**
**Zoltán Földi, Budapest, Hungary**
**No Drawing. Application February 23, 1937, Serial No. 127,318. In Hungary March 4, 1936**
**10 Claims. (Cl. 260—66)**

1. A process for producing new leuco-polyhydroxy-triphenylmethane derivatives, comprising condensing by methods commonly used for the preparation of triphenyl-methanes starting materials comprising aromatic compounds which

contain in the benzene rings in mutual ortho position only two phenolic oxygen atoms linked to a member of the group consisting of H and an aliphatic radical with the restriction that at least one of the six phenolic oxygen atoms present in the three benzene rings to be condensed is linked to hydrogen, the benzene rings containing further members of the group consisting of H, alkyl, sulpho and substituted methyl.
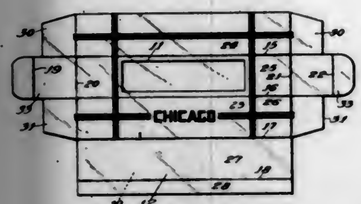
10. A triphenylmethane derivative of the formula:




which crystallizes with solvents of crystallization.

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**2,116,828**
**LAMINATED CONSTRUCTION AND METHOD**
**Ralph J. Gearson, Chicago, Ill., assignor to Arvey Corporation, Chicago, Ill., a corporation of Illinois**
**Application February 20, 1936, Serial No. 64,866**
**7 Claims. (Cl. 93—36.6)**

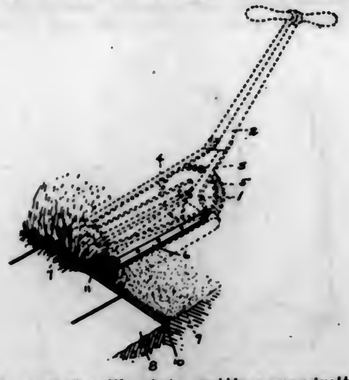



1. The method of producing a laminated sheet of material having a transparent lamination forming a protective external covering for one entire surface with a transparent window, which consists in first forming an aperture in a sheet of material, then applying an adhesive coating to one surface of a dry, cellulosic, transparent film and bringing it into contact with one entire surface of said sheet of material and covering said aperture, then subjecting said combined film and sheet of material to pressure for permanently uniting them together and forming a sealed transparent closure for the aperture, and then subjecting the exposed adhesive coated area of the film registered with said aperture to treatment for reducing the "tacky" character of said exposed adhesive to render it normally non-adherable.

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**2,116,829**
**ATTACHMENT FOR LAWN MOWERS**
**John P. Hoerner, Harrisburg, Pa.**
**Application October 7, 1935, Serial No. 43,971**
**4 Claims. (Cl. 56—249)**

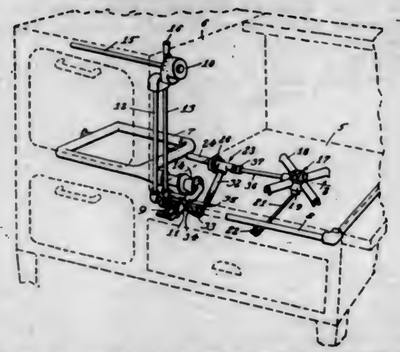
1. In lawn mowers and trimmers comprising a stationary cutter and rotary cutters operating in cooperation therewith; said stationary cutter formed with a pointed member at one of its ends extending downwardly below the tread of the wheels of the mower to plow a furrow as the mower is operated and forwardly and having a slightly curved inner edge for guiding grass,



weeds and the like into cutting proximity with the stationary cutter and the rotary cutters.

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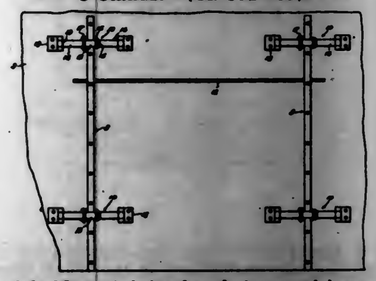
**2,116,830**
**AUTOMATIC OVEN LIGHTER**
**Peter I. Hollman and Stanley H. Hobson, Rockford, Ill., assignors, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, a corporation of Ohio**
**Application November 1, 1929, Serial No. 404,184**
**Renewed October 2, 1937**
**8 Claims. (Cl. 158—115)**



1. In a gas stove, an automatic oven burner lighter comprising, a constantly burning pilot remote from the oven, a pilot burner in proximity to the oven burner for directly igniting the same, means for supplying gas to the oven burner controlled by a valve, means for charging the oven pilot burner with gas by opening movement of said valve and continuing said charge so long as said valve remains open, means for supplying primary air to the gas being delivered to said oven pilot burner, and a flash-back conduit between said remote pilot burner, and said oven pilot burner adapted to be charged with a mixture of gas and air delivered from said oven pilot burner, whereby said oven pilot burner will be ignited by flash-back from the remote pilot and will in turn ignite the oven burner, and whereby said oven pilot burner continues to burn so long as the oven burner is being supplied with gas and will automatically re-ignite the oven burner in the event said oven burner is extinguished by gas pressure drop or by accident.



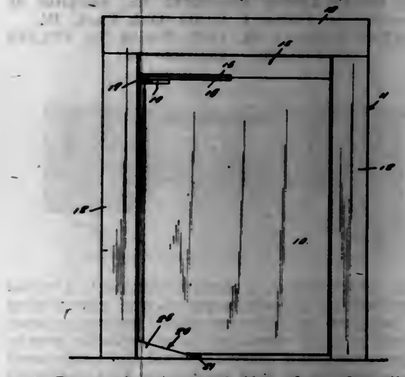
**2,116,831**
**STAGING BRACKET**
**Isaac W. Hoy, Rhodes, Iowa**
**Application September 3, 1937, Serial No. 162,365**
**3 Claims. (Cl. 304—39)**



1. A ladder retaining bracket comprising a one-piece yoke including a U-shaped portion to embrace the ladder and diverging attachment arms, laterally directed means at the outer ends of said arms for convenient fastening to a relatively rigid support, a U-shaped clevis mounted on said U-shaped portion, the arm portions of said clevis being provided with a removable linch pin to maintain the clevis closed.

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**2,116,832**
**SPRINGLESS SELF-CLOSING DOOR**
**John A. Janson, East Sparta, Ohio**
**Application September 4, 1937, Serial No. 162,478**
**3 Claims. (Cl. 20—16)**

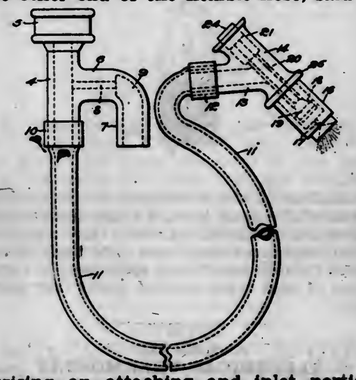


1. In a structure of the class described, in combination, a door frame, a door hingedly mounted in said frame, means interposed between the door and floor for bodily raising and lowering the door as it swings from closed to open position, together with means for maintaining a constant closure between the upper portion of the frame and adjacent upper end portion of the door, said means embodying a receding gravity lowered shield interconnected with the door for raising and lowering movement therewith as a unit.

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**2,116,833**
**SPRAY DEVICE FOR HOUSEHOLD AND LAUNDRY PURPOSES**
**Harvey P. Jenks, Newton, Mass.**
**Application January 26, 1937, Serial No. 122,383**
**5 Claims. (Cl. 299—149)**

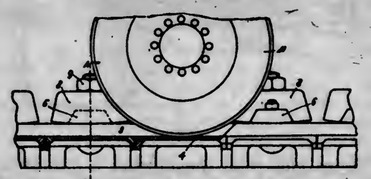
1. A unitary spray appliance particularly for household and laundry purposes comprising, in combination, an attaching element adapted for reception at a water-supply outlet, a flexible hose connected at one end to said attaching element, a laterally extending passage communicating with the hose adjacent said end thereof and opening to atmosphere to by-pass a portion of the flow from such outlet, and a spray and control head at the other end of the flexible hose, said head



comprising an attaching and inlet portion, a communicating nozzle for discharging water in a substantially atomized mist, and associated flow-controlling means disposed for convenient operation by the operator's hand which holds and directs the spray head, to permit or shut off at will a discharge of water mist upon the material to be moistened.

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**2,116,834**
**ENDLESS TRACK FOR VEHICLES**
**Adolphe Kégresse, Paris, France**
**Application February 10, 1936, Serial No. 63,266**
**In France February 13, 1935**
**2 Claims. (Cl. 305—10)**



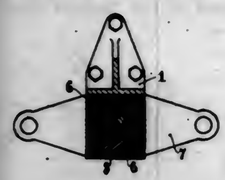
1. Flexible endless track mechanism for motor vehicles, comprising a pair of parallel endless bands, transverse metal plates connected to said bands, double rimmed guide rollers rolling on said plates between said bands, a third endless band centrally arranged between the endless bands of said pair, said third endless band being continuous and flexible and arranged with its edges between the rims of said rollers to form guides for the rims of said rollers, and elastic blocks on the central band, said blocks extending between the rims of the rollers.

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**2,116,835**
**FLEXIBLE JOINT FOR MACHINE PARTS**
**Adolphe Kégresse, Paris, France**
**Application April 9, 1936, Serial No. 73,545**
**In France July 13, 1932**
**2 Claims. (Cl. 305—9)**

1. In an endless track vehicle having sets of carrying wheels, a main equalizer lever for distributing the load to the sets of carrying wheels,

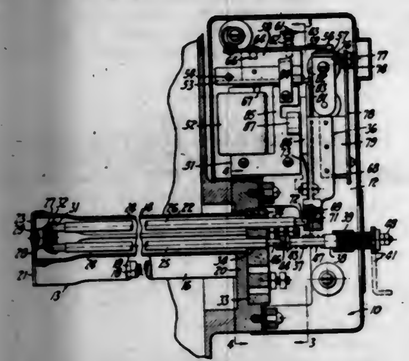
secondary equalizer levers each having two wheel-carrying arms for distributing the load to the wheels of each set of wheels, means for mounting the secondary levers on the ends of said main lever comprising rectangular cages each open only on its sides parallel to the plane



of oscillation of the secondary levers carried by each end of the main lever, a cross-shaped spider-like member mounted in each cage and rigidly attached to a secondary lever, and flexible plastic material fixed in and filling said cage for resisting rotation of said cross-shaped spider-like member therein.

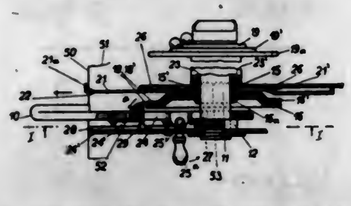
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**2,116,836**
**ELECTRICAL THERMOSTAT**
**Arthur J. Kercher, Berkeley, Calif.**
**Application July 19, 1935, Serial No. 32,183**
**3 Claims. (Cl. 200—137)**



1. In an electrical thermostat, a mounting, an elongated tubular casing having one end of the same secured to said mounting, the other end of said casing being closed, said casing being formed of metal having a substantial temperature coefficient of expansion, a pair of metal rods extending longitudinally through said casing in parallel relationship, a rocker pivotally mounted in a closed end of said casing and having its arms connected to corresponding ends of said rod, both said rods being made of metal having negligible temperature coefficient of expansion, contacting means actuated by relative movement between the other end of one of the rods and said mounting, and means for adjusting the temperature level of operation of said contacting means, said last means including an adjustable abutment carried by the mounting and engaging that end of the other rod removed from said rocker, said last means including a movable abutment engaging that end of the other rod remote from the rocker, a spring serving to urge said abutment against its associated rod, and adjustable means serving to limit movement of the abutment in one direction.

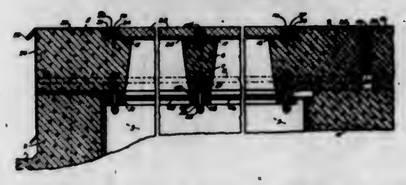
**2,116,837**
**COMBINATION LOCK**
**Antonin Kittler, Prague, Czechoslovakia**
**Application June 21, 1935, Serial No. 27,806**
**In Czechoslovakia February 8, 1935**
**1 Claim. (Cl. 70—310)**



In a combination lock the combination of a bolt having two projections in the reach thereof, a casing, a spring pivoted to said casing, said spring having two arms, one of said arms engaging said bolt between said projections, a plurality of discs having a plurality of false slots and bolt releasing slots in the peripheries thereof, combination means for arranging said discs in a predetermined manner to permit movement of said bolt, the other of said spring arms being adapted to engage said discs in said false slots to destroy the combination set up on said combination means after said bolt is moved.

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**2,116,838**
**DOUBLE GLAZED SKYLIGHT**
**George Henry Lenke, Elmhurst, Ill., assignor of one-half to Julius J. Ohlis, Oak Park, Ill.**
**Application January 28, 1937, Serial No. 122,849**
**18 Claims. (Cl. 108—16)**



3. In combination, a concrete support, a metal grid embedded in said support and comprising metal separators defining grid openings; panes mounted in said openings; and metallic means for supporting said panes in said openings, said means spaced from said separators and anchored in said concrete support.

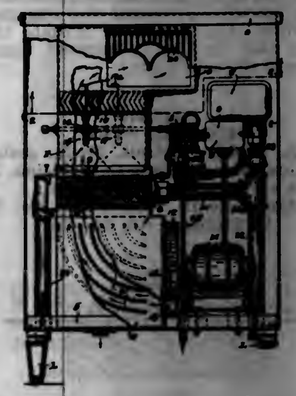
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**2,116,839**
**AIR CONDITIONER**
**Carroll E. Lewis, Minneapolis, Minn., assignor to Lewis Air Conditioners, Inc., Minneapolis, Minn., a corporation of Delaware**
**Application January 21, 1931, Serial No. 510,105**
**5 Claims. (Cl. 257—138)**

1. In air conditioning apparatus, an upwardly extending flue having an air intake passage adjacent its lower end and an air discharge passage adjacent its upper end, a radiator disposed intermediately of said passages and having a heating core transversing the cross sectional area of said flue and defining a multiplicity of narrow passages which extend longitudinally of said flue, means above said core for discharging and distributing finely divided particles of moisture downwardly through said passages, means for

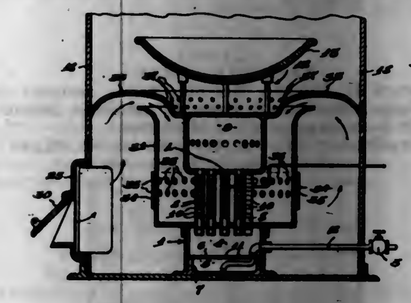


causing air to move upwardly through said passages and means below said radiator for dividing said moving air into thin streams directed upwardly through said passages.



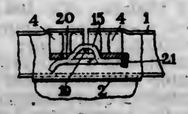
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**2,116,840**
**GAS BURNER**
**Harry C. Lloyd, Syracuse, N. Y.**
**Application June 11, 1935, Serial No. 26,023**
**11 Claims. (Cl. 158—99)**



1. A gas burner comprising a receiver for receiving an ignitable gas, mixing and expansion chambers, the former chamber having free, open, unrestricted inlet and outlet passages communicating with the receiver and expansion chamber respectively, and the expansion chamber having an outlet, the mixing chamber comprising a plurality of elongated passages of relatively small cross-sectional area, and each of said passages being in communication with primary air at atmospheric pressure through a multiplicity of relatively small primary air inlet openings distributed throughout the mixing zone, the expansion chamber outlet being relatively large in size and of sufficient capacity to permit the free outlet of the expanding mixture of gas and air, and the unrestricted mixing chamber passages being of sufficient size and number to permit the gas to flow therethrough with a relatively low velocity, and to maintain a pressure in the mixing chamber below atmospheric pressure, all whereby a progressive intimate mixture of air with the gas is effected intermediate the receiver and the expansion chamber outlet, affording complete combustion at the expansion chamber outlet and an intensely hot flame.

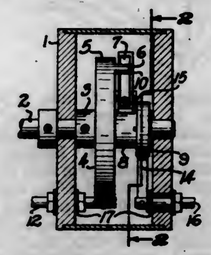
**2,116,841**
**CLOSURE FOR PACKING CONTAINERS**
**Karl Wilhelm Mauser, Waldeck, Bez. Kassel, Germany**
**Application December 20, 1934, Serial No. 758,486**
**In Germany December 23, 1933**
**12 Claims. (Cl. 220—61)**



1. A tension ring closure for packing containers, comprising a tension ring, closure elements projecting from the ends of the tension ring at an angle less than 180° and adapted to engage together when the tension ring is brought into the closed position, and means integral with at least one of said closure elements and detachably engaging the other one of said closure elements for locking the latter in the engaged position.

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**2,116,842**
**BUTT CONTACT ROTARY SWITCH**
**Herbert E. Metcalf, Walnut Creek, Calif., assignor to E. H. Kueffer, Oakland, Calif.**
**Application September 7, 1937, Serial No. 162,636**
**3 Claims. (Cl. 200—59)**



1. In combination, a single shaft, a driving member positively mounted on said shaft, a contact mounted on said driving member, a driven member comprising a disc mounted for free rotation on and insulated from said shaft and movable only by force communicated from said driving member, a contact on the driven member, said contacts adapted to form a butt connection and at least one of the contacts being resiliently mounted in spaced relation to its support along the arc of rotation of said driving member, said driven member being driven by the driving member when the two contacts have met and the motion of the driving member has taken up all the distance allowed by the resilient mounting of the resiliently mounted contact, a casing surrounding said members and having means therein for supporting said shaft, frictional means mounted on said casing adapted to cooperate with said driven disc member in torque creating relationship thereto at a point at a substantial radial distance from said shaft and operating to keep said contacts in contact making position when said shaft is rotating in one direction, and in contact breaking position when the shaft is rotating in the other direction, said frictional means being insulated from said shaft and also serving as an electrical connection to the driven member, and stop means mounted on said driven member for limiting the separation of the contacts.



**2,116,843**

thereto, the said finger resting, at its free end,



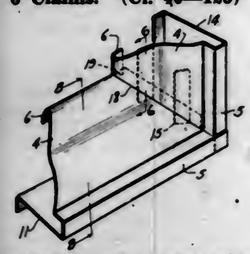
retorts in which the periods of heating and dis-

duced headforemost into the latter, and a barrier

2,116,843
**SHOT SHELL**
John M. Olin, Alton, Ill., assignor to Western Cartridge Company, East Alton, Ill., a corporation of Delaware
No Drawing. Original application October 6, 1923, Serial No. 667,975. Divided and this application April 30, 1930, Serial No. 448,300
5 Claims. (Cl. 102—15)

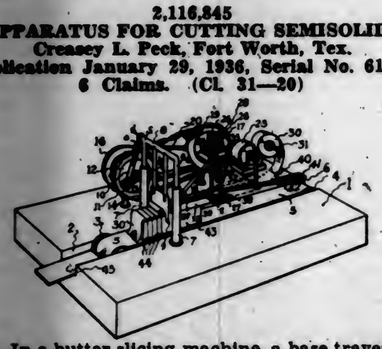
1. A loaded shot shell comprising a case or shell, a coordinative primer therein, a shot charge, wadding, and a shot-propelling charge of granular double base smokeless powder which is surface-modified in coordination with the primer to substantially retard the initial combustion rate.

2,116,844
**SIGNBOARD MOLD FRAME**
George D. Overholtz, Tiffin, Ohio, assignor to The Tiffin Art Metal Company, Tiffin, Ohio, a corporation of Ohio
Application June 11, 1937, Serial No. 147,649
6 Claims. (Cl. 40—125)



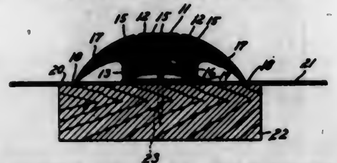
2. In a signboard mold frame, adjoining mold sections joining at a corner of the frame and each having inwardly and rearwardly extending face portions with their ends lapping each other and with the outer lapping portion cut to form a miter edge which has close mating abutment with the lapped face of the other portion, and means fixed to the rear side of said outer lapping portion at its end and cooperating therewith to form the female member of a slip joint connection with the end of the other portion.

2,116,845
**APPARATUS FOR CUTTING SEMISOLIDS**
Creasey L. Peck, Fort Worth, Tex.
Application January 29, 1936, Serial No. 61,362
6 Claims. (Cl. 31—20)



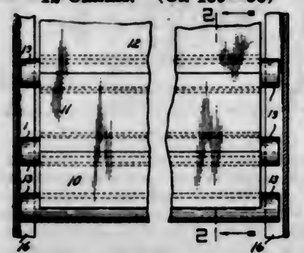
1. In a butter slicing machine, a base traversed by a conveyor belt operating over rollers maintained in the said base, a ratchet wheel rigidly secured to one of the said rollers, a vertically operated blade disposed above one end of the said base and the said belt, a paper guide disposed longitudinally above said belt having a ribbon of paper movably extending therethrough, an oscillating member having a finger adjustably secured thereto, the said finger resting, at its free end, upon said paper, an arm adjustably secured to the lowermost end of the said oscillating member and extending rearwardly thereof and engaging said ratchet wheel, and means to actuate the said blade, the said oscillating member urging the paper toward the said blade.

2,116,846
**MOLDING STRIP**
Edward K. Pilcher, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application July 11, 1936, Serial No. 90,245
12 Claims. (Cl. 20—74)



1. A molding comprising a body formed of extruded metal with a channel therein having vertical side walls with minute extrusion ridges extending longitudinally of the molding, a cover strip formed of extruded metal of a shape to fit closely between the side walls of the body, the cover strip having vertical side walls with minute extrusion ridges extending longitudinally of the molding and adapted to engage the ridges of the channel walls to assist in holding the cover strip in place in the channel.

2,116,847
**FLEXIBLE SCREEN**
Edward K. Pilcher, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application July 20, 1936, Serial No. 91,545
12 Claims. (Cl. 139—56)



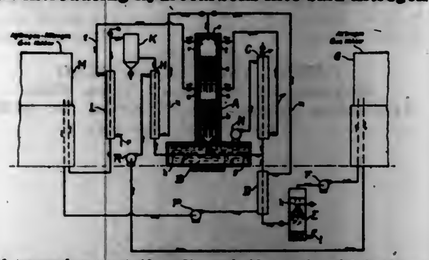
1. A manufacture comprising a plurality of separate sections secured together by hinged joints, each of said hinged joints comprising a rod and a semi-tubular member, said rod being homogeneously united with one of said sections and extending laterally beyond the ends of said sections, guide means engaging the projecting ends of said rod, said semi-tubular member being homogeneously united with another of said sections and partially surrounding said rod.

2,116,848
**PROCESS OF PRODUCING CARBON BLACK**
Forrest C. Reed, Kansas City, Mo., assignor to Le Roy J. Snyder, Kansas City, Mo.
Application July 9, 1934, Serial No. 734,437
10 Claims. (Cl. 134—60)

1. The process of producing carbon black, which comprises heating nitrogen, within closed



retorts in which the periods of heating and dissociation are alternated, to temperatures above the decomposition temperature of hydrocarbons, then introducing hydrocarbons into said nitrogen



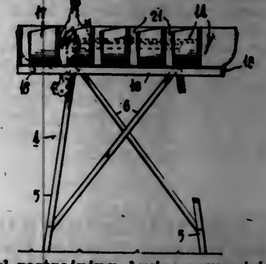
and carrying out the dissociation of said hydrocarbons at decreasing temperatures to produce carbon, then separating the carbon from the gases of dissociation.

2,116,849
**PROPELLER GOVERNOR**
Michael William Reimer, St. Paul, Minn.
Application August 25, 1937, Serial No. 160,866
8 Claims. (Cl. 115—0.5)



1. The combination with a screw propeller of a removable governor therefor comprising a disc of less diameter than said propeller and having spring members carried thereby for holding engagement over the edges of said propeller.

2,116,850
**FOWL RESTRAINING DEVICE**
Raymond S. Rotz, Fort Lauden, Pa.
Application August 4, 1937, Serial No. 157,415
2 Claims. (Cl. 119—97)

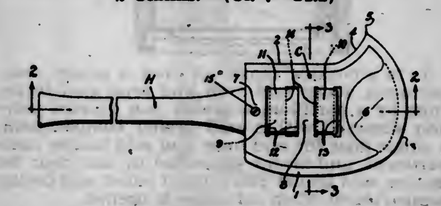


2. A fowl restraining device comprising a turntable having a series of stalls disposed about its periphery and supported thereby, each stall forming a substantially wedge-shaped bottom having an opening at its small lower end for the passage of the head of a fowl, the stall having front, rear and side walls, the front wall being provided with a substantially vertical slot extending from its upper edge to a point in close proximity to its lower end and adapted to allow a wing of a fowl to project from the stall when a fowl is introduced headforemost into the latter, and a barrier arranged at the lower end of the slot of each stall and forming the only obstruction of the slot, one wall of each stall forming a common wall of two stalls and there being corner stalls, each corner stall having at least one wall not common to any other stall.

2,116,851
**BEARING ALLOY**
Julian G. Ryan, Wood River, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 18, 1937, Serial No. 169,645
4 Claims. (Cl. 75—151)

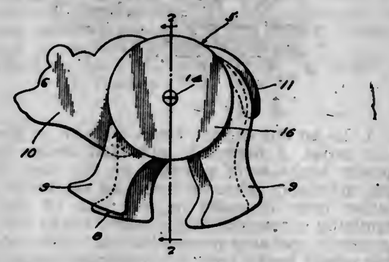
1. A bearing metal consisting of silver 1% to 4%, antimony 0.1% to 5%, and the remainder cadmium.

2,116,852
**COMBINATION FORESTRY IMPLEMENT**
Everett R. Stanford, Alhambra, and Howard V. Smith, San Diego County, Calif.
Application November 20, 1934, Serial No. 753,912
2 Claims. (Cl. 7—14.1)



1. A forestry implement comprising a cutting head, and a handle secured thereto, said cutting head having lateral cutting edges on opposite sides of said handle, said lateral cutting edges being continued in a common direction and joined at a point outwardly of one of the lateral edges to form an intermediate cutting edge, said head having a concavity intermediate said lateral edges and adjacent said intermediate edge portion, for adapting the implement for use as a shovel.

2,116,853
**TOY**
Lillian Auld Stelle, Eugene, Oreg.
Application June 21, 1937, Serial No. 149,511
4 Claims. (Cl. 46—161)



1. A toy comprising a plurality of anatomical elements, each embodying an annular portion representing the body of an animal, means connecting the annular portions for movement about a common axis and appendages carried by and extending radially from said annular portions for movement therewith.



2,116,854
**ELECTRIC STOVE OR RANGE**

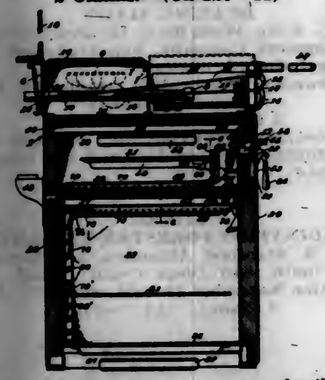


operable by brake applying movement of said lever to move and hold the valve to and in closed

with each other by interweaving thereof, the warp

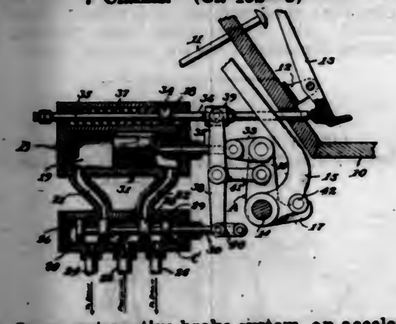
ment about one of said thermostats, and electri-

2,116,854
**COOKING STOVE OR RANGE**
Jacob Teller, New Rochelle, N. Y., and Arthur P. Schmidt, Rockford, Ill., assignors, by mesne assignments, to said Jacob Teller and Grace Teller, Chicago, Ill.
Original application January 15, 1932, Serial No. 586,912. Divided and this application October 20, 1934, Serial No. 749,282
2 Claims. (Cl. 126—41)



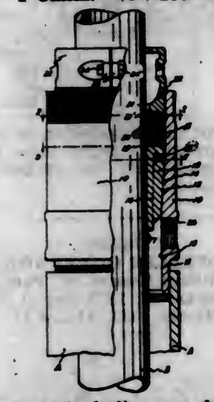
1. In a cooking range, an oven, a broiler compartment above said oven and separated therefrom by a partition, a broiler pan support movably disposed within said broiler compartment, a single door for said oven and said broiler compartment, and means supported by said door for moving said broiler pan support out of said broiler compartment when said door is opened.

2,116,855
**AUTOMOTIVE BRAKE SYSTEM**
Henry R. Trotter, Chicago, Ill.
Application March 23, 1936, Serial No. 70,533
7 Claims. (Cl. 192—3)



1. In an automotive brake system, an accelerator pedal, a manually operated brake lever, a power brake lever pivoting on the same axis as the manually operated lever, an extension on the latter lever disposed in the path of the brake applying movement of the power brake lever, fluid pressure operated means having connection with the power brake lever for imparting brake applying movement to the latter, a normally closed valve controlling the fluid pressure means, an actuator positionally controlled by the accelerator pedal, connections between the actuator and valve operable by movement of the actuator to move the valve to an open position, and connections between the valve and power brake lever operable by brake applying movement of said lever to move and hold the valve to and in closed position while the actuator is moved to and held in any selected position of operation.

2,116,856
**CASING AND TUBING HEAD**
Sheridan P. Tschappat, Tulsa, Okla.
Application August 7, 1936, Serial No. 94,855
1 Claim. (Cl. 166—14)



A casing head including, an elongate cylindrical body having a tapered bore intermediate its ends and provided with a reduced bore at the lower end of its tapered bore, the body having an enlarged annular bore at its upper end continued from the upper end of the tapered bore and free from a shoulder or projection at the intersection with said tapered bore, slips mounted in the tapered bore of the body and extending into the upper enlarged bore thereof for engaging around a pipe passing through the body, annular packing rings resting upon the slips in the upper bore of the body, said packing rings being free to slide down into the tapered bore without obstruction from the body, a split metallic follower ring resting upon the elastic packing rings and unrestricted to follow said rings downwardly, a packing insert in the follower ring for engagement with a pipe and overlying the elastic packing rings, the extreme upper end of the body having internal screw-threads extending to the top thereof, and a gland nut engaging in said threads within the bore of the body, the nut having an amplified base for engaging the follower ring and substantially filling the space between the body and a pipe passing through said body, whereby the entire follower ring is evenly forced downward, the upper end of the body being externally screw-threaded for receiving a fitting.

2,116,857
**SCREEN FOR AUTOMOBILE RADIATORS**
Ben Wengard, Waterloo, Iowa
Application August 21, 1936, Serial No. 97,171
1 Claim. (Cl. 293—54)

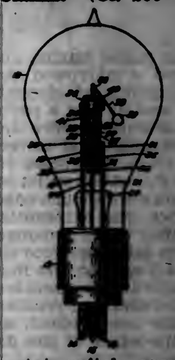
A flexible screen for an automobile radiator, comprising in combination, a hollow flexible wire frame, an inwardly opening flexible cover for said frame U-shaped in cross section, and a wire netting shaped to fit within said frame, the cover being stitched through its margins and the intervening margin of the netting, the netting being composed of interwoven cross warps and longitudinal reeds, and which are relatively associated with each other by interweaving thereof, the warp wires being evenly spaced apart, and the reed wires being composed of a plurality of like groups thereof, relatively widely spaced apart, and each group being composed of widely spaced sets of closely associated triplicate reeds, the interspace



of each set containing a plurality of relatively widely spaced single reeds, whereby the relatively wide interspaces between the groups of reeds form more easily bendable places longitudinally between the groups, to facilitate longitudinal bending of the screen to conform it to differently sloping surfaces of different radiator fronts.



2,116,858
**THERMOSTAT SWITCH**
Gunnar A. F. Winckler, Worcester, Mass., assignor to Winckler Engineering Laboratories Incorporated, Boston, Mass., a corporation of Massachusetts
Application November 23, 1933, Serial No. 699,304
24 Claims. (Cl. 200—122)



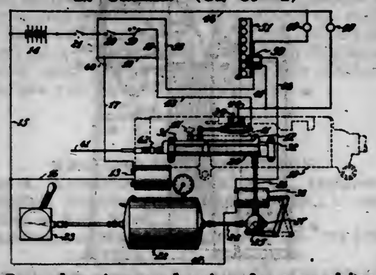
22. A thermostat switch comprising an envelope having non-corrosive gasfilling the character and pressure of which is dependent on the sensitivity desired for the switch, a press in said envelope, conductive rod supports embedded in said press, an adjusting head, having teeth therein, carried by one rod support, lugs depending from said head, secondary lugs of insulating material and adjusting blocks secured to said lugs, bi-metallic thermostats connected one to each of said secondary lugs, cooperating contacts on the free ends of said thermostats, leads extending from each of two other rod supports to respective ones of said thermostats, a heating element about one of said thermostats, and electrically connected at one end to said thermostat, a lead connecting said head with the other end of said heating element, a heat-absorbing shield depending from said head to a region between said thermostats to shield the one from the heat of said heating element about the other, an adjusting screw threaded through said head and having a conical end projecting between said adjusting blocks, and a weighted lever pivoted to said adjusting screw and normally lying vertically, so as to engage the teeth of the head, inversion of the envelope and subsequent rotation thereof causing the weighted lever to rotate the screw and to produce the adjustment of the thermostats relative to each other.

2,116,859
**BUILDING CONSTRUCTION**
Paul A. Wood, Roanoke, Va.
Application August 12, 1937, Serial No. 158,804
9 Claims. (Cl. 72—102)



1. In a building construction, a foundation wall having its upper edge formed with upper and lower shelf portions connected by an outwardly inclined draining wall, outer and inner masonry wall sections laid in spaced relation on said upper and lower shelf portions, weep holes provided between the outer wall and the lower shelf portion of the foundation wall and tie elements connecting said outer and inner wall sections.

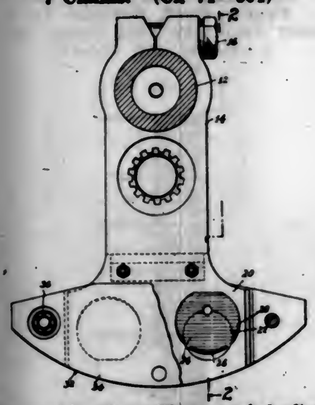
2,116,860
**AUTOMATIC GUN CHARGER**
Raymond C. Blaylock, Kenmore, and Clem G. Trimbach, Eggertsville, N. Y., assignors, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York
Application April 27, 1935, Serial No. 18,568
12 Claims. (Cl. 89—1)



1. In a charging mechanism for a machine gun having a bolt reciprocable during gun operation,

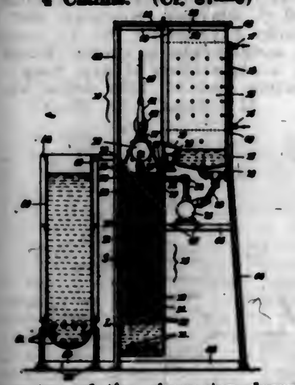
a dashpot having a plunger reciprocable at a normal frequency less than the frequency of reciprocation of said bolt, said plunger having an element adapted to be contacted and moved by said bolt during gun operation, a switch controlled by said dashpot organized to be opened by said plunger when being repeatedly operated on by said bolt and organized to be closed when said bolt ceases to operate on said plunger, and means controlled by closure of said switch for positively initiating reciprocation of said bolt.

2,116,861
**DYNAMIC DAMPER**
Roland Chilton, Ridgewood, N. J., assignor to The Reed Propeller Co., Inc., a corporation of New York
Application January 9, 1937, Serial No. 119,728
7 Claims. (Cl. 74—604)



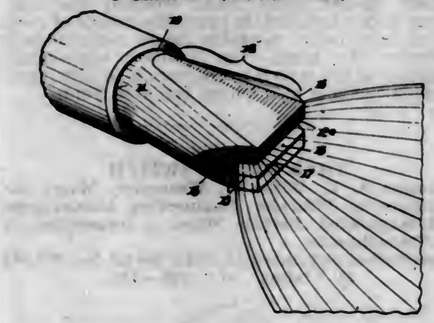
1. The combination with a crankshaft member and a counterweight member having opposed arcuate tracks, of discs having spherical edges engaging said tracks to permit slight rolling action axially of the discs.

2,116,862
**APPARATUS FOR TREATMENT WITH SOLVENTS**
Clarence F. Dinley, Detroit, Mich., assignor, by mesne assignments, to Solvent Machine Company, trustee, Detroit, Mich., a corporation of Michigan
Application November 28, 1934, Serial No. 755,246
4 Claims. (Cl. 87—6)



1. Apparatus of the character described, for treating work with volatile solvent whose vapor is heavier than air, comprising in combination an air-excluding treating vessel open at the top for the introduction and removal of work, but internally narrowed, substantially below the top, so that its narrow lower portion forms a vaporising and treating well for receiving the work to be treated and for containing a body of liquid solvent in its bottom, while its wider upper portion affords a chamber above and to the side of the well and laterally open thereto, said chamber being provided with a solvent reservoir at its bottom; cooling means for maintaining in said chamber a cool condensing zone for drawing the vapor rising from said well aside into the chamber and there condensing it, thus supplying said reservoir with the pure condensate; and nozzle means at a wall of said well for receiving condensate from said reservoir and spraying the work in the well therewith.

2,116,863
**SPRAY AND JET NOZZLE**
Clarence F. Dinley, Detroit, Mich., assignor, by mesne assignments, to Solvent Machine Company, trustee, Detroit, Mich., a corporation of Michigan
Application May 5, 1937, Serial No. 140,816
5 Claims. (Cl. 299—154)



1. A flat-spray nozzle having an inlet round in cross-section and a narrowed outlet or mouth with an outlet orifice of elongated shape and uniform width, and having a passage connecting said inlet to said outlet orifice and defined by a surface which changes and merges continuously and uniformly from the round configuration of the inlet to the elongated outlet orifice, and terminates at the forward mouth edge which defines said outlet orifice, the extremities of the elongated outlet orifice being prolonged and extending back from its said edge into the narrow sides of the mouth; all so that the fluid sweeps right through the nozzle and its mouth under pressure, while internal corners and relatively dead places within the nozzle are avoided, as well as frictional drag at the edges of the flat fluid stream.

2,116,864
**MASSAGE AND SHAMPOO DEVICE**
Anton Fehrenbach, New York, N. Y.
Application October 10, 1935, Serial No. 44,327
1 Claim. (Cl. 15—127)

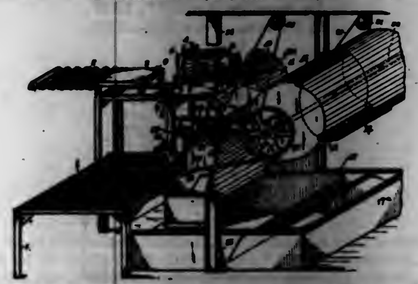
In a bath spray head, a metal band having screw threads at both ends, a nipple centrally located on said band to engage a liquid supply tube, a thin perforate hard rubber backing disc set in said band spaced from its center, a soft rubber disc juxtaposed on said backing and extending outwardly from said band, a perforate applicator having a concave face secured in said band in spaced relation to said backing, said applicator



having a plurality of conical projections, and a cap engageable on either end of said band to enclose said disc or applicator selectively.



2,116,865
**MECHANISM FOR RECEIVING AND DUMPING MILK**
Ira H. Kendall, Potsdam, N. Y., assignor to Genevieve A. Kendall, Potsdam, N. Y.
Application August 23, 1935, Serial No. 37,412
4 Claims. (Cl. 221—69)



1. Apparatus for weighing and handling milk, comprising a turnable weigh-can mounted on a shaft, means supporting said shaft and adapted to be connected to a scale, a filling device located above said weigh-can and having an outlet port, a receiving tank located below said weigh-can and having an inlet, a partition located within said weigh-can and inclined to the longitudinal axis of the weigh-can and dividing the interior of the weigh-can into two chambers, each said chamber having a chamber port in its wall, said chamber ports having portions which are superposed when one of said ports is in its highest position and the other chamber port is in its lowest position, the top chamber port being then vertically aligned with the entire outlet port of said filling device and the entire bottom chamber port being then vertically aligned with the inlet of said receiving tank, said receiving tank having its inlet located so that said inlet is located below the bottom chamber port to receive the milk which flows out of said bottom chamber port as soon as said bottom chamber port is sufficiently low to permit milk to pass out of the filled chamber and before said chamber port of the filled chamber has reached its lowest position.

2,116,866
**COMPOSITION AND PROCESS FOR THE PRODUCTION OF FERTILIZERS**
Walter H. Kniskern, Petersburg, Va., and Charles K. Lawrence, Baldwinsville, N. Y., assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York
No Drawing. Application December 1, 1936, Serial No. 113,606
9 Claims. (Cl. 71—43)

1. As a new composition of matter a solution of sodium nitrate and ammonium nitrate in an ammoniacal solvent, which solvent contains substantial proportions of ammonia, said solution containing the ammonium nitrate and sodium nitrate in a proportion in which the total amount of the ammonium nitrate and sodium nitrate dissolved therein is sufficiently greater than the amount of ammonium nitrate soluble in said ammoniacal solvent that the ratio of salt nitrogen to free ammonia nitrogen in said solution is increased over that of a solution of ammonium nitrate alone in said ammoniacal solvent which has the same salting out temperature as said solution of ammonium nitrate and sodium nitrate.

7. The process for producing a fertilizer which comprises treating a solid acidic fertilizer material with a solution of sodium nitrate and ammonium nitrate in aqua ammonia of about 50% to 75% strength, said solution containing the ammonium nitrate and sodium nitrate in a proportion in which the total amount of the ammonium nitrate and sodium nitrate dissolved therein is sufficiently greater than the amount of ammonium nitrate soluble in said ammoniacal solvent that the ratio of salt nitrogen to free ammonia nitrogen in said solution is increased over that of a solution of ammonium nitrate alone in said ammoniacal solvent which has the same salting out temperature as said solution of ammonium nitrate and sodium nitrate.

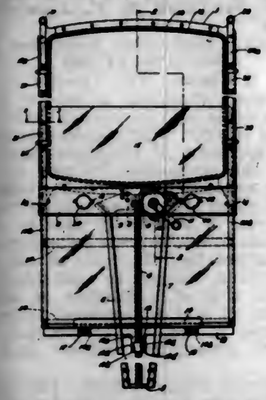
2,116,867
**GLUE, ADHESIVE, AND THE LIKE**
Oscar R. Kreimeier and Robert W. Maxwell, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 11, 1934, Serial No. 720,076
9 Claims. (Cl. 134—23.4)

1. In a process of preparing glues, pastes, adhesives, and the like by the alkylation of a starch in the presence of an alkali, the steps which comprise preparing a water suspension of a starch, introducing into the resulting suspension from 0.02 to 0.75 mol. of a dialkyl sulfate per $C_6H_{10}O_5$ mol. of starch the alkyl group of said dialkyl sulfate containing one or two carbon atoms, and subsequently gradually adding alkali at such a rate that no large excess of unreacted alkali is present at any time, to the resulting mixture in the cold until substantially all of the alkylating agent has reacted with the starch.

2,116,868
**WINDOW CONSTRUCTION**
Waldo L. Kraemer, Brooklyn, N. Y., assignor to Kearfott Engineering Company, Inc., a corporation of New York
Application May 7, 1934, Serial No. 724,320
5 Claims. (Cl. 114—177)

1. A unitary ship's window of the type described comprising a frame having a window opening

therethrough, a frameless window-pane mounted for movement longitudinally of the window frame for opening and closing the opening therethrough, and channel-shaped guideways extending longitudinally of the window frame and embracing a side edge of the window-pane, each



guideway including separated upper and lower sections, means securing the lower section of each guideway to the frame with limited pivotal and lateral movement with respect thereto, and readily removable means securing the upper section of each guideway to the frame.

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2,116,869

**HANDBAG OR OTHER ARTICLE OF LUGGAGE**

Florence N. Lewis, New York, N. Y., assignor to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of New York

Application August 29, 1936, Serial No. 98,537

2 Claims. (Cl. 150—46)



1. A bag having opposed walls of unequal height hinged to each other, the higher wall having a flap hinged to the top thereof and turnable so that the free edge of said flap substantially abuts the top edge of the lower wall when the bag is closed, and closure means for holding said walls and flap in closed position, said closure means comprising a bar connected to the lower wall and supplemental catches connected to the higher wall and mounted to turn laterally away from said higher wall, and spring means adapted to hold said catches in engagement with said bar, said bar overlying said flap when the bag is closed.

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2,116,870

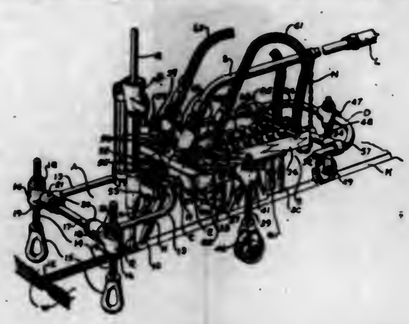
**WELDING APPARATUS**

Harry E. Rockefeller, New York, N. Y., and John M. Halbing, Bloomfield, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application December 6, 1933, Serial No. 701,112

31 Claims. (Cl. 113—59)

1. In welding apparatus, the combination with a welding torch, of a preheating unit having at least one heat producing nozzle, means providing a flexible connection between said welding torch and said preheating unit whereby the pre-



heating unit continuously remains in regulated proximity to the work independently of variations in the distance of the said torch from the work during a welding operation.

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2,116,871

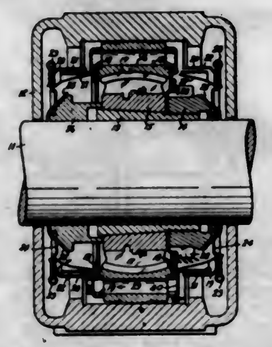
**BEARING**

August Gunnar Ferdinand Wallgren and Carl Gustaf Jansen, Stockholm, Sweden, assignors to Aktiebolaget Nemy, Stockholm, Sweden, a corporation of Sweden

Application April 17, 1933, Serial No. 666,492

In Sweden April 27, 1932

25 Claims. (Cl. 308—127)



23. In a bearing for a rotatable shaft, a housing surrounding a portion of said shaft and adapted to form a reservoir for lubricant, a first ring fixed to said shaft within said housing for rotation therewith, a second ring disposed within said housing concentric with said first ring, said second ring having a bearing surface, an annular plate disposed at either side of said second ring and extending radially inwardly for maintaining radially inside said bearing surface and during the rotation of said shaft a rotating annular ring of lubricant of a thickness to form an air free outer portion for lubricating said bearing surface, means for causing a continuous flow of lubricant from said reservoir to said layer and from said layer to said reservoir, and means disposed below the oil level of said reservoir for equalizing the height of the same at either side of the bearing.



2,116,872

**MEDICINAL PREPARATION OF DIURETIC EFFECT AND PROCESS FOR ITS PREPARATION**

Emil Wolf, Budapest, Hungary, assignor to the firm Chinoin Gyogyszer-Es Vegyeszeti Termekek Gyara R. T. (Dr. Kereszty and Dr. Wolf), Ujpest, Hungary

No Drawing. Application October 3, 1935, Serial No. 43,285. In Hungary March 12, 1935

4 Claims. (Cl. 167—71)

1. A composition comprising an allyl-amide of camphoric acid containing the mercury bound to a carbon atom of an aliphatic lateral chain and a free carboxyl group, in an amount less than one third the weight of the composition, and an alkali metal salt of the same organic mercury compound in an amount which is more than two thirds the weight of the composition.

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2,116,873

**SELF-CONTAINED AIR-CONDITIONING UNIT**

Burdell S. Williams, Greenwich, Conn., assignor to Airtemp, Incorporated, Dayton, Ohio, a corporation of New York

Application February 18, 1933, Serial No. 191,304

17 Claims. (Cl. 62—129)



1. A self-contained air conditioning unit adapted to be placed on the floor of an enclosure and comprising a plurality of elements, said elements including a cabinet having substantially straight walls of such height as to extend from the floor of an enclosure to a level above the zone occupied by normal, adult humans standing on said floor, at least one wall of said cabinet having an air inlet opening therein and at least one wall of said cabinet having an air outlet opening therein near the top of the cabinet, a plenum chamber adjacent the top of said cabinet communicating with said outlet opening, a refrigerating system housed within said cabinet and comprising a compressor and condenser arranged in refrigerant flow relationship within the lower part of said cabinet and an evaporator within the upper part of said cabinet arranged in refrigerant flow relationship with said compressor and condenser, and a blower arranged within the upper part of said cabinet and adapted to cause a flow of air into said cabinet by way of said inlet opening, into heat-transferring relationship with said evaporator and into said plenum chamber, the relationship and relative sizes of said elements being so correlated that said blower when in operation draws air into said cabinet without appreciably stirring up dust from the floor or nearby articles and causes the discharge of air from said plenum chamber in a lateral direction through said outlet opening in a stream which initially flows above the top of the above-mentioned zone.

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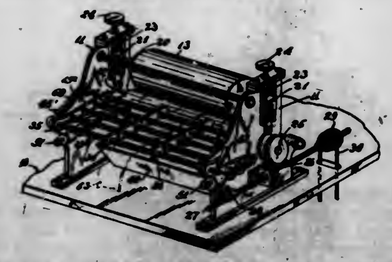
2,116,874

**INTAGLIO PRINTING MACHINE**

Joseph Barash, New York, N. Y.

Application December 7, 1936, Serial No. 114,588

3 Claims. (Cl. 101—157)



1. In an intaglio printing machine a frame consisting of a base plate and a pair of spaced parallel vertical wall plates, an intaglio printing roller rotatively mounted between said wall plates, and a doctor blade engaging said intaglio roller, said doctor blade comprising a rod, a blade substantially radially supported upon said rod and having its free end engaging said intaglio printing roller, head members on the ends of said rod slidably engaging horizontal slots formed in said wall plates, resilient means urging said heads in one direction, and screws for holding the heads against the action of said resilient means.

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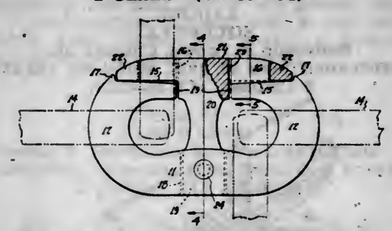
2,116,875

**REPAIR LINK**

Brown E. Barnes, Portland, Oreg., assignor to Electric Steel Foundry Company, Portland, Oreg.

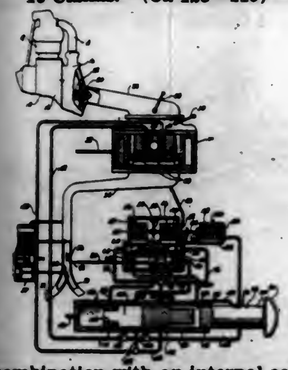
Application October 28, 1935, Serial No. 47,066

1 Claim. (Cl. 59—84)



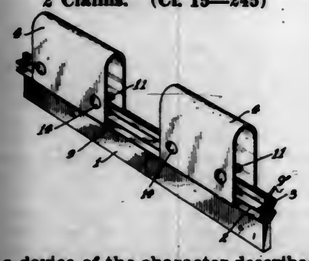
A repair link of the class described having one slotted straight side and having two rounded ends, the tips of which face each other in spaced relationship to form an opening opposite said slotted side, the outer faces of said tips having lugs projecting therefrom in parallelism with each other, said outer faces converging toward the opening between the tips, a closure for said opening consisting of a T-shaped member, the shank of which extends through the space between said tips into said slotted side, means for securing said shank to said slotted side, the underface of said T being substantially perpendicular to the axis of the shank and the outermost ends of said T being in engagement with the outer converging faces, the cross bar of said T-shaped member having openings formed therethrough on opposite sides of said shank in parallelism therewith, said openings being adapted to receive the lugs on said tips.

2,116,876
**FUEL FEEDING DEVICE FOR ENGINES**
Guy E. Beardsley, Jr., and Wright A. Parkins, West Hartford, Conn., assignors, by mesne assignments, to United Aircraft Corporation, a corporation of Delaware
Application April 26, 1935, Serial No. 18,430
19 Claims. (Cl. 123—119)



1. In combination with an internal combustion engine and a carburetor therefor, means for maintaining the proportion of fuel to air in the combustible mixture produced by said carburetor substantially constant in varying atmospheric pressures said means comprising, means responsive to the air density within the air intake of said carburetor for automatically maintaining said density substantially constant at a predetermined value, operator controlled means for controlling said automatic means to selectively maintain the air density in said intake at a different predetermined value, and means actuated by said controlling means for automatically correcting the fuel metering setting of said carburetor to supply the same fuel-air ratio at the changed air density.

2,116,877
**SQUEEGEE**
Benjamin F. Brown, Chicago, Ill.
Application June 16, 1937, Serial No. 148,423
2 Claims. (Cl. 15—245)

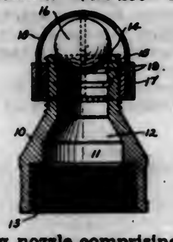


1. In a device of the character described, a pair of separate parallel clamp bars, a flexible blade arranged between said clamp bars, each clamp bar consisting of a sheet metal strip bent back and forth parallel to its longitudinal axis so as to produce an abutment for one edge of said blade, to produce ribs engaging the sides of said flexible blade along spaced parallel lines and to form a groove on the outside of said bars, and a handle having means engaging said groove of both clamp bars, said handle being adapted to hold said clamp bars in clamping engagement with said flexible blade.

2,116,878
**AMMUNITION**
Willi Brun and James E. Burns, Bridgeport, Conn., assignors to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Application April 25, 1934, Serial No. 722,240
4 Claims. (Cl. 52—4)

1. A priming mixture containing lead nitratohypophosphite and an explosive ingredient selected from the class consisting of lead styphnate, basic lead styphnate, lead azide, basic lead azide, basic lead picrate, diazodinitrophenol, mercury fulminate, tetrazole derivatives and their salts, the salts of di- and tri-nitro benzoic, phthalic and salicylic acids.

2,116,879
**FOG NOZZLE**
Thomas R. Day, Buffalo, N. Y.
Application August 24, 1936, Serial No. 97,587
7 Claims. (Cl. 299—124)



6. A spraying nozzle comprising a body having passage therethrough from end to end, with an outwardly facing seat at approximately the discharge end of said passage, an inwardly tapering element disposed in said discharge end and seating against said seat, the end of said passage outwardly from said seat having a sharp, annular shoulder facing said element for diverting against the periphery of said element a portion of any liquid stream passing through said seat and between it and said element and thereby creating cross currents in the emerging stream acting to break said stream into mist or fog, and means for limiting the maximum possible displacement of said element outwardly away from said seat.

2,116,880
**SELF LOCKING CABLE HOOK**
Harold D. Dee, Los Angeles, Calif.
Application August 27, 1935, Serial No. 38,046
4 Claims. (Cl. 114—230)



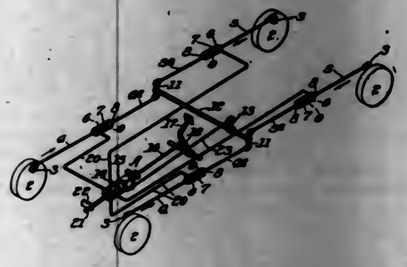
1. In a self-locking cable hook the combination of: a body; a hook horn provided on said body; a hook latch pivotally mounted on said body; lock means on said body for locking said latch in closed position; spring means actuating said lock means and normally urging said lock means to lock said latch in closed position; and readily separable key means for counteracting said spring means so as to shift said lock means to unlock said latch and shift the latter to open position, said key means serving as a temporary handle for said hook while said latch is unlocked.



2,116,881
**UREA SYNTHESIS**
Harald W. de Ropp, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 2, 1934, Serial No. 709,423
18 Claims. (Cl. 260—125)

1. In a cyclical process for the synthesis of urea by heating ammonia and carbon dioxide at urea-forming temperatures and pressures in the presence of a substantial excess of ammonia over the stoichiometrical requirements, the steps which comprise subjecting the urea synthesis melt to a primary pressure distillation at a pressure below that existing during the urea synthesis, in which at least the major part of the excess ammonia is recovered and returned to the reaction zone, and thereafter subjecting the resultant material to a two-stage secondary distillation at succeedingly lower pressures than that of the primary distillation in which the unconverted ammonium carbamate, the remainder of excess ammonia, and at least a part of the water contained therein are recovered and returned to the reaction zone, with fresh ammonia and carbon dioxide, at urea-forming temperature and pressure.

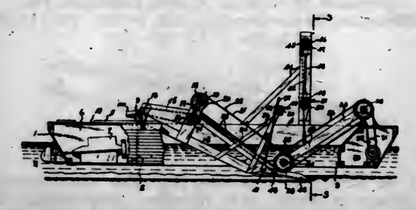
2,116,882
**BRAKE SYSTEM FOR MOTOR VEHICLES**
Edward A. Dickey, Aliquippa, Pa.
Application September 23, 1936, Serial No. 102,122
11 Claims. (Cl. 188—152)



1. In a braking system for motor vehicles, a plurality of wheel brakes, a master cylinder, service cylinders for the brakes hydraulically connected with the master cylinder, a piston in said master cylinder, means for actuating said piston for hydraulic actuation of the brakes, means mechanically connecting said master cylinder with the brakes, and means associated with the master cylinder and its piston-actuating means for mechanical application of the brakes upon excessive movement of the piston actuating means.



2,116,883
**DREDGE**
Harvey Doxsee, Jr., Collier City, Fla., assignor to Fred Fear & Co., Brooklyn, N. Y., a corporation of New York
Application April 29, 1936, Serial No. 76,934
4 Claims. (Cl. 37—55)

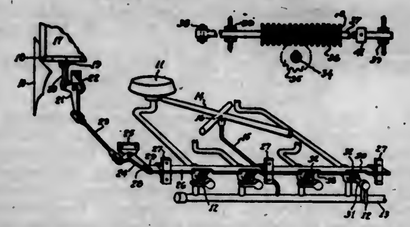


4. A dredge of the type described comprising a float having a well therein, a framework mounted in said well, means at one end of the framework for supporting it for longitudinal movement along the deck of the float, means for pivotally connecting the framework at its other end with the float, means connected to the framework for raising and lowering it, a scraper mounted on said framework, a conveyor mounted on said framework for gathering the material collected by the scraper and moving it to deck level and means for operating said conveyor.

2,116,884
**MANUFACTURE OF LEAD-MANGANESE NAPHTHENATE**
Gerald M. Fisher, Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application January 20, 1936, Serial No. 59,899
1 Claim. (Cl. 134—57)

The method of producing mixed anhydrous naphthenates of heavy metals which comprises: establishing a body of lead naphthenate at a temperature not less than 250° F. nor greater than 300° F. and maintaining said body at said temperature while introducing thereto a hydrous naphthenate of another heavy metal.

2,116,885
**GAS RANGE**
Joseph B. Friedman, San Francisco, Calif.
Application June 29, 1936, Serial No. 87,969
2 Claims. (Cl. 126—42)



1. In a gas range, a burner and a valve therefor, a stem manually rotatable for control of said valve, a pinion fixed to said stem, a hinged cover for said burner, an operating rod linearly movable upon closure of said cover, a rack engaging said pinion, said rack being slidably mounted on said operating rod, and a stop on said rod to pick up said rack and rotate said pinion and said stem

to close said valve when said cover is closed, said stop being positioned to allow free manual rotation of said stem when said cover is open.

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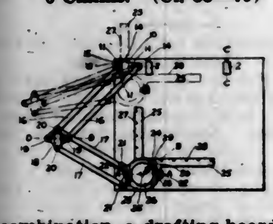
**2,116,886**
**FLOOR JOIST**
**Rowland W. Goetz, Mount Lebanon, Pa.**
**Application December 24, 1936, Serial No. 117,505**
**5 Claims. (Cl. 72—66)**



1. A structural member for the construction of floors or walls, said member comprising expanded sheet metal formed into an elongate skeleton, a beam secured in assembly with the expanded sheet metal of which said skeleton is formed, and means provided at the opposite ends of the member for reinforcing the structure and inhibiting tilting of the member, as described.

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**2,116,887**
**DRAFTING DEVICE**
**Walter J. Greenleaf and Lewis Skeel, Meadville, Pa.**
**Application June 18, 1934, Serial No. 731,068**
**6 Claims. (Cl. 33—79)**

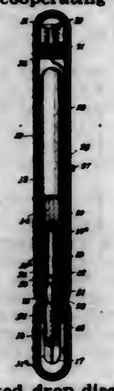


3. In combination, a drafting board, a vertical scale, and linkage means for adjustably mounting the scale on the board including a U-shaped bracket so situated in the upper left hand corner of the drawing board with its closed side on the outer left edge so that it will admit the vertical scale into its open side and thus permit the scale to be moved over substantially the entire surface of the board.

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**2,116,888**
**CUTICLE REMOVER**
**Frederick Grodka, Berlin, Germany, assignor to Progress Corporation, New York, N. Y., a corporation of New Jersey**
**Application May 11, 1937, Serial No. 141,944**
**In Germany May 11, 1936**
**6 Claims. (Cl. 132—73)**

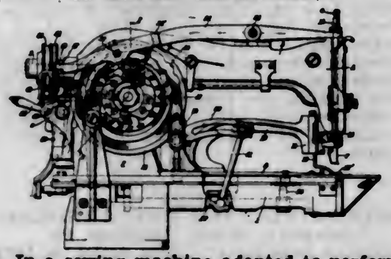
1. A cuticle remover comprising a housing, a flexible container for liquid within said housing, a rotatable working tool having a substantially rigid tip constructed for massaging the cuticle, said tool having a passageway substantially therethrough and therein, positive means for limiting the rotation of said tool to selectively adjust said tool to its feeding and inoperative positions, communicable means between said container and said passageway, said communicable means including hollows in said housing and said tool in positions for registry upon relative rotation of the housing and tool to its feeding position, and means for actuating said container to produce an initial flow of liquid to said hollow in said housing, said communicable means and said actuating means relatively cooperating with each other to



produce a regulated drop discharge through said passageway.

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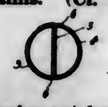
**2,116,889**
**SEWING MACHINE SAFETY DEVICE**
**Hermann Gunther, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey**
**Application July 2, 1936, Serial No. 88,737**
**11 Claims. (Cl. 112—110)**



1. In a sewing machine adapted to perform a definite series of operations in combination stitch-forming mechanism including a reciprocatory needle, a shiftable work-holder, a cam for controlling the shifting movements of said work-holder, manual means for raising and lowering said work-holder and means carried by said cam for preventing said work-holder from being raised until the machine has completed its series of operations.

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**2,116,890**
**BLADED IMPLEMENT**
**Richard T. Hamel, Beverly Hills, Calif.**
**Application January 11, 1936, Serial No. 58,723**
**5 Claims. (Cl. 30—165)**



1. A bladed implement having a shank in the form of an elongated substantially flat plate, and having an integral blade extending from one end thereof, said shank having a lateral extension on each side thereof, each of said lateral extensions being bent outwardly from the plane of the shank to form a shell covering the adjacent face of the shank, the outer edges of said bent extensions substantially abutting the side faces of the shank and cooperating to form a tubular handle for the implement.

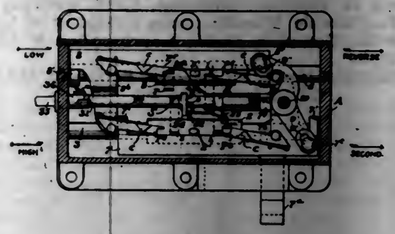


**2,116,891**
**PROCESS FOR THE PRODUCTION OF SOLDER AND TERNE METALS**
**Albert Hanak, Philadelphia, Pa.**
**No Drawing. Application June 26, 1937, Serial No. 150,541**
**3 Claims. (Cl. 75—63)**

1. Process of producing solder or terne metals from non-ferrous metallic scraps and wastes, such as babbitts, white metals and the like, which comprises the decopperization thereof to a point where the copper will not separate out from the metal or alloy upon treatment for removal of antimony, arsenic and zinc by means of alkali metals and caustic alkali, and removing antimony, arsenic and zinc by means of an alkali metal and caustic alkali.

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**2,116,892**
**AUTOMATIC GEAR SELECTOR AND SHIFT**
**Robert Head, Yonkers, N. Y.**
**Application July 10, 1934, Serial No. 734,482**
**Renewed September 22, 1937**
**9 Claims. (Cl. 74—334)**



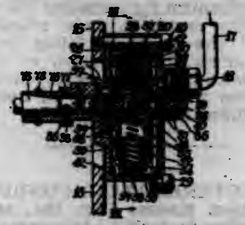
1. In combination with an automobile transmission, clutch and clutch operating means, gear shifting means operatively related to the transmission and selectively adjustable to effect the different gear-shifts and being itself operated by the clutch operating means through a lost-motion connection so that the first part of the movement of the latter merely releases the clutch, the second part of said movement restores the transmission to neutral and the third part effects the selected gear-shift; and an endless step-by-step operated means which gives the gear-shifting means a cyclical succession of adjustments for effecting gear-shifts from first to second to high to neutral, back to first, to second to high to neutral and so on, said step-by-step means being itself operated one step at a time by the clutch operating means during each letting in of the clutch.

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**2,116,893**
**PROCESS OF CHLORINATING AND BROMINATING CARBONYL COMPOUNDS**
**Paul Heisel, Gersthofen, near Augsburg, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany**
**No Drawing. Application November 3, 1936, Serial No. 109,623. In Germany November 5, 1935**
**5 Claims. (Cl. 260—131)**

1. The process of introducing a halogen of the group consisting of chlorine and bromine into ketones capable of being halogenated in alpha-position which comprises blowing halogen through a capillary counter-current to the vapors of the ketone at a temperature lower than the boiling point of the halogenation product.

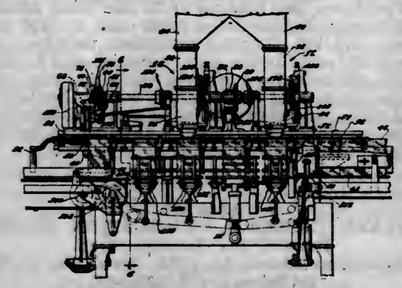
**2,116,894**
**SUCTION PUMP**
**Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.**
**Application April 26, 1935, Serial No. 18,473**
**5 Claims. (Cl. 230—36)**



1. In a suction pump mounted upon the crank case of an engine having a pump driving member therein, a pump casing having a bearing opening at the inner side thereof that faces the crank case, a pump shaft journaled in said bearing opening and engaging the pump driving member for being operated thereby, a piston receiving cylinder carried rigidly and radially on the pump shaft, said cylinder having a chamber and a valved inlet conduit communicating into the cylinder chamber, said casing having an outlet conduit leading from the casing into the crank case, said casing having an inner cam surface, a piston contacting said cam surface and movable in the cylinder by the cam surface in response to rotation of the shaft, said cylinder having an outlet conduit intermittently communicating with the outlet conduit of the casing during inward movement of the piston in the cylinder, whereby lubricant in the crank case entering the cylinder through the bearing will be discharged through said outlet into the crank case.

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**2,116,895**
**PACKAGING MACHINE**
**Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts**
**Application October 20, 1933, Serial No. 694,417**
**11 Claims. (Cl. 249—59)**



1. In an automatic weighing machine, in combination, mechanism for filling successive packages with flowable solid material including a weighing device, a check weighing scale, locking means therefor, said locking means being operative to return the scale to initial weighing position after each weighing operation, package moving means, connections between the filling mechanism and the aforesaid locking means for controlling the operation of the latter from the former, means for preventing movement of the package until the package filling mechanism and



check weighing scale have completed their oper-

arm with the rotor and adapted to engage the



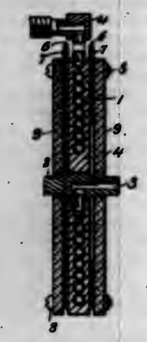
commutator, a pair of brushes engaging the seg-

electrode which comprise oxidizing one surface of

check weighing scale have completed their operation and the latter locked, assorting means controlled by said check weighing scale for separating from the packages being discharged those whose weights vary from a predetermined value, and means operatively connected with the package filling mechanism for initiating the operation of the assorting means in timed relation to the operation of the package filling mechanism whereby to effect the operation of the check weighing scale and assorting means automatically in synchronism with the cycle of operation of the package filling mechanism.

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**2,116,896**
**METAL COVERED FLUID CONDUCTOR**
**Finn S. Hudson, Kansas City, Mo., assignor to Dealers' Manufacturing Company, Kansas City, Mo., a corporation of Missouri**
**Application June 17, 1935, Serial No. 27,005**
**1 Claim. (Cl. 219—39)**

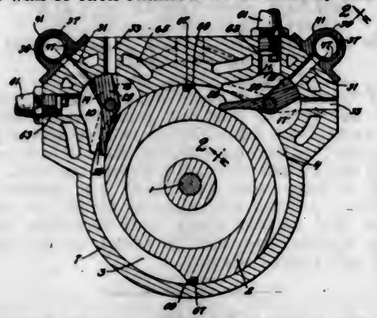


In an apparatus of the kind described, a convoluted flat spiral metal tubing, the coils of which contact with each other, the ends of the tubing being respectively at the inner and outer ends of the spiral, a solid metal covering in which said tubing, excepting its ends, is embedded, said covering at opposite sides of the spiral having flat surfaces, two heating units one being against and electrically insulated from each of said surfaces, and two thermal insulation members respectively against the outer sides of said heating units, said metal covering having a melting point higher than that to which it will be heated by said units, said elements being united together to form an integral structure adapted to be removed or replaced as a unit.

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**2,116,897**
**ROTARY INTERNAL-COMBUSTION ENGINE**
**Dove S. Jay, Detroit, Mich.**
**Application March 15, 1935, Serial No. 11,278**
**4 Claims. (Cl. 123—15)**

3. In a rotary internal combustion engine, in combination, a housing having an opening therethrough, a rotor having recesses therein rotatably mounted in said opening, opposed combustion chambers in said housing and opening into said rotor opening, each of said combustion chambers having an inlet conduit leading through the side wall and an exhaust conduit leading therethrough, and an abutment valve mounted in each combustion chamber, each valve having a long arm adapted to contact the periphery of the rotor and a thick heel actuated by contact of said contact arm with the rotor and adapted to engage the side wall of each chamber to alternately close the



respective inlet and outlet conduits of the combustion chamber in which it is located.

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**2,116,898**
**EXPANSIBLE CUTTER TOOL**
**Glenn D. Johnson, Compton, Calif., assignor to MacClatchie Manufacturing Company of California, Compton, Calif., a corporation of California**
**Application November 30, 1936, Serial No. 113,297**
**11 Claims. (Cl. 255—76)**

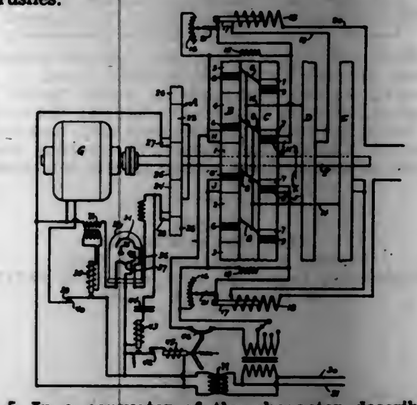


1. In an expansible cutter tool, a body, a mandrel movable relative to the body, a cutter carried by the body with its inner portion overlying the periphery of the mandrel, and an operating connection between the mandrel and said overlying portion of the cutter for transversely shifting the cutting edge of the cutter by longitudinal movement of the mandrel.

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**2,116,899**
**SYNCHRONOUS CONVERTER**
**John Kalsey, North Palo Alto, Calif.**
**Application February 12, 1936, Serial No. 63,573**
**15 Claims. (Cl. 175—364)**

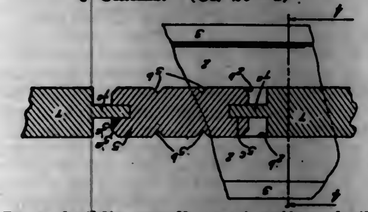
1. In a converter of the character described, a main and an auxiliary commutator, and a pair of collector rings connected therewith, each of said commutators having a plurality of conductor segments spaced circumferentially with insulating material and the conductor segments on the auxiliary commutator being aligned with the insulating space between the segments on the main commutator, a pair of brushes for impressing alternating current on the segments of the main commutator, a pair of brushes engaging the segments on the auxiliary commutator, a common feed wire connecting the first-named and second-named brushes whereby alternating current is passed through the second-named brushes while the insulating spaces between the segments on the main commutator are passing under the first-named brushes, and a fixed resistance in the connection between the first and second-named brushes.



5. In a converter of the character described having a main and an auxiliary commutator and a pair of collector rings connected therewith, a synchronous motor for driving the converter, and means actuated by the direct current output of the converter for varying the alternating current input to the auxiliary commutator.

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**2,116,900**
**BUILDING WALL CONSTRUCTION**
**George Klicka, San Diego, Calif.**
**Application October 23, 1935, Serial No. 46,280**
**6 Claims. (Cl. 20—4)**

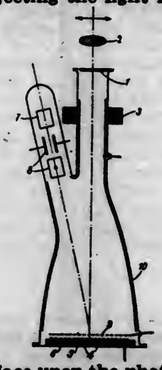


1. In a building wall construction, building wall bottom plates provided with channeled upper surfaces, interlocking and overlapping wall assemblies positioned vertically with their lower ends in said channels, and said building wall assemblies including vertically disposed studding with their lower ends fitting into said channels.

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**2,116,901**
**MOSAIC ELECTRODE FOR TELEVISION TUBES**
**Max Knoll, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany**
**Application January 20, 1936, Serial No. 59,888**
**In Germany November 30, 1934**
**2 Claims. (Cl. 250—27.5)**

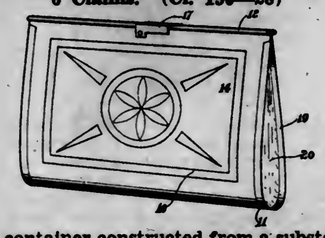
1. The steps and method of preparing a photosensitive mosaic electrode upon a metallic plate electrode which comprise oxidizing one surface of the plate electrode, depositing upon the oxidized surface a tenuous finely divided layer of metal, photo-graphically sensitizing the produced layer of metal, projecting the light image of a multi-



apertured surface upon the photographically sensitized layer, and photographically developing and fixing the light exposed layer to produce thereupon minute isolated metallic elements supported upon the oxidized surface.

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**2,116,902**
**HANDBAG**
**Robert W. Lehrfeld, Brooklyn, N. Y., assignor to Premier Metal Etching Co., Long Island City, N. Y., a corporation of New York**
**Application November 28, 1936, Serial No. 113,229**
**6 Claims. (Cl. 150—28)**



1. A container constructed from a substantially rectangular blank of sheet metal, the blank being bent transversely substantially at the center thereof to form opposed side walls for the container, end walls for the container constructed from flexible, non-metallic material, the opposite edges of the end walls being secured to the marginal edges of the side walls, the opposed upper meeting edges of the side walls being normally separated, and fastener means for maintaining said edges in meeting engagement under tension.

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**2,116,903**
**EXPANSIBLE CUTTER TOOL**
**John W. MacClatchie, Los Angeles, Glenn D. Johnson, Compton, and Carl A. Thies, Huntington Park, Calif., assignors to MacClatchie Manufacturing Company of California, Compton, Calif., a corporation of California**
**Application November 30, 1936, Serial No. 113,298**
**14 Claims. (Cl. 255—76)**

1. In an expansible cutter tool, a body having a radial slot, a hollow mandrel mounted in said body, said mandrel having a lateral port communicating with said radial slot, a cutter mounted in said radial slot having a projection coop-

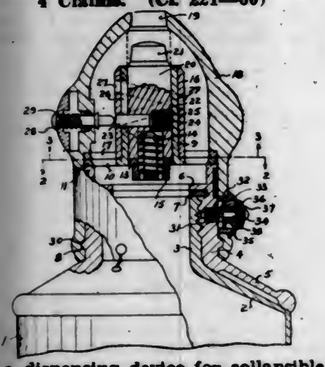
erating with the port for shifting the cutter by movement of the mandrel, and means for direct-



ing a washing medium through the hollow mandrel for discharge at the port.

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**2,116,904**
**DISPENSING DEVICE FOR COLLAPSIBLE TUBES**
**Charles Stewart Mann, Vancouver, British Columbia, Canada**
**Application September 13, 1937, Serial No. 163,567**
**4 Claims. (Cl. 221—60)**

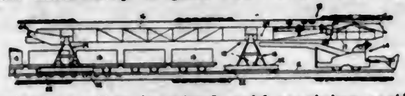


1. In a dispensing device for collapsible tubes having a threaded sleeve, a cap rotatable about the sleeve having a discharge orifice, a sleeve rotatable with the cap, said rotatable sleeve having a spiral slot extending entirely therearound, a plunger endwise movable within the rotatable sleeve, a spring pressed bolt transversely slidable in the plunger adapted to engage the spiral slot, means preventing rotation of the plunger, means carried by the cap for displacing the bolt from the spiral slot, and spring means for urging the plunger to close the orifice.

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**2,116,905**
**TUNNELING SYSTEM**
**Stanley M. Mercier, Columbus, Ohio, and H. L. Myer, Mason City, Wash., assignors to The Jeffrey Manufacturing Company, a corporation of Ohio**
**Application December 28, 1935, Serial No. 56,578**
**5 Claims. (Cl. 214—41)**

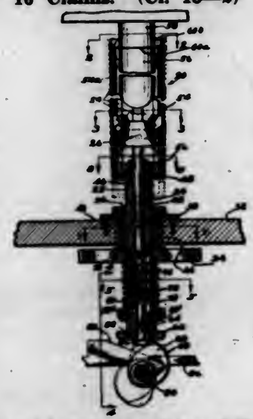
1. In a tunneling loader, the combination with spaced gantries, of an elongated boom mounted on said gantries, a material receiving section pivoted to said boom on a horizontal axis, belt means on said boom and receiving section adapted to convey material, and means for raising and lowering said material receiving section, said gantries co-operating with said material receiving section to provide clearance beneath said conveyor to allow machinery to pass thereunder when said



receiving section is raised, said receiving section being adapted to receive material when in a lowered position, said receiving section having a material receiving hopper at its free end, the walls of which are hinged intermediate their tops and bottoms whereby the maximum clearance provided by said receiving section may be increased.

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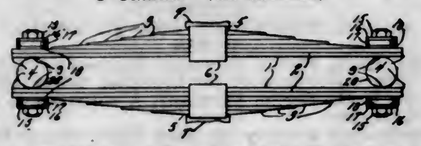
**2,116,906**
**BEADING MACHINE**
**Stanley S. Millen, Glendale, Calif.**
**Application August 25, 1936, Serial No. 97,761**
**16 Claims. (Cl. 18—2)**



1. In a bead forming machine of the character described, a supporting structure, means on said structure operably supporting a plural number of fingers having pads on the ends thereof, means to cause said finger-pads to alternately engage and then release one end of an article to be beaded, and means to retract said article during the formation of a bead thereon.

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**2,116,907**
**SPRING ASSEMBLY MEANS**
**George F. Miller and Robert W. Nilsson, Toledo, Ohio, assignors to The Mather Spring Company, Toledo, Ohio, a corporation of Ohio**
**Application October 2, 1936, Serial No. 103,836**
**3 Claims. (Cl. 267—55)**



1. An end connection for a full elliptical spring embodying spring leaves having recesses spaced from the free ends thereof, said connection comprising a cylindrical member having its axis of



rocking between and spaced from the spring leaves for independent dissimilar movement of said leaves, and means engaging the cylindrical member and having limited movement relative to the spring within the said recesses.

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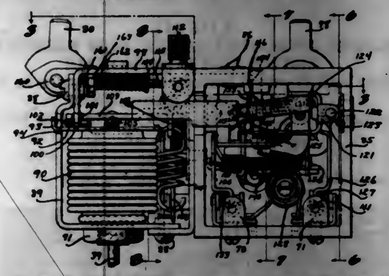
**2,116,908**
**DISPLAY CONSTRUCTION**
**Arthur B. Mull, Appleton, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin**
**Application January 7, 1933, Serial No. 183,810**
**6 Claims. (Cl. 40—124.1)**



1. A display unit comprising a body portion, a protrudable portion hinged thereto on a score line, a pressure sensitive adhesive adjacent said score line, the said protrudable portion being provided with an integral tab portion adjacent said score line, said tab portion being adapted to be folded out of the plane of the protrudable portion and bear against the supporting surface to which the display unit is affixed by said pressure sensitive adhesive, thereby automatically swinging the protrudable portion out of the plane of the body portion.

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**2,116,909**
**REFRIGERATING APPARATUS**
**George C. Pearce, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware**
**Application January 30, 1934, Serial No. 708,994**
**4 Claims. (Cl. 200—81)**



1. A switch including means responsive to a predetermined flow of electric energy through an electric circuit for opening the electric circuit, resetting means for said first mentioned means for moving the first mentioned means to closed circuit position from open position, and locking means ineffective during the moving of the resetting means from open position to closed position for preventing the movement of the resetting means to closed position after the resetting means has been reset.

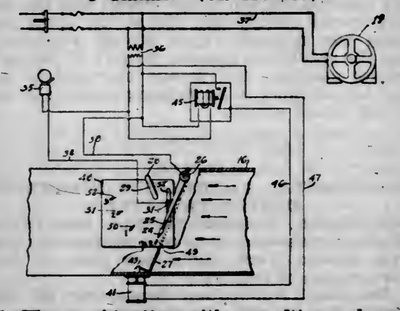
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**2,116,910**
**PLASTER FOR THE PRODUCTION OF SURGICAL CASTS**
**Jean Piccard, Swarthmore, Pa.**
**No Drawing. Application April 30, 1935, Serial No. 19,026**
**16 Claims. (Cl. 106—24)**

1. A plaster of the character described comprising a substantially dry mixture including an organic acid and a compound selected from the group consisting of magnesium carbonate and the oxides and hydroxides of aluminum and magnesium, said mixture being capable of hardening to a rigid mass through chemical reaction between the ingredients when moistened with water and, being characterized by the fact that it is substantially free from any compound containing an element having an atomic weight greater than that of phosphorus.

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**2,116,911**
**AIR FLOW INDICATING DAMPER**
**Max C. Richardson, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.**
**Application August 22, 1931, Serial No. 558,726**
**5 Claims. (Cl. 110—69)**



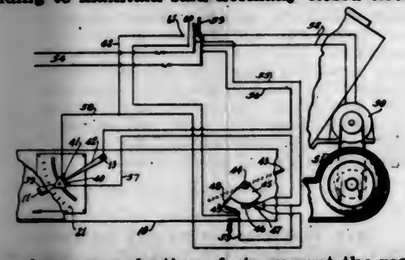
1. The combination with a multi-speed, motor driven stoker for feeding fuel at any one of a number of different rates and simultaneously feeding air thru an air duct at corresponding rates; of a one-way, banking damper in said air-duct of such weight as to close under the effect of gravity when the stoker motor is not delivering air and to assume intermediate positions when the stoker is delivering air thru the air duct, such intermediate positions varying with the velocity of the air in the duct, and means for indicating the position of said damper, whereby the stoker tender may be apprised of any variation from the proper rate of air flow for the chosen rate of fuel feed plus a member to limit the opening of said banking damper, said member being manually adjustable so as to be set at different positions for the different speeds of the stoker motor.

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**2,116,912**
**AIR FLOW PILOT CONTROL**
**Max C. Richardson, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.**
**Application September 21, 1931, Serial No. 564,014**
**16 Claims. (Cl. 110—69)**

16. An air flow control system for a furnace air supply duct comprising a combined regulating and banking damper therein, a reversible motor for controlling the position of said damper, a normally open circuit including said motor and adapted when closed to cause the motor to close

said damper, a normally closed circuit including said motor and adapted when closed to cause the motor to open said damper, a floating pilot damper pivoted in said duct and adapted to open said closed circuit and to close said normally open circuit under the action of an air current of a predetermined velocity thereby to cause the regulating damper to move in a direction to reduce the velocity, said pilot damper normally tending to maintain said normally closed circuit



whereby upon reduction of air current the regulating damper is moved toward its position of maximum opening, an electric fan motor for propelling air thru said duct, a switch for simultaneously opening the fan motor circuit and the normally closed circuit and for at the same time closing the normally open circuit whereby to cause the regulating damper to move to closing or banking position, and means operated by said regulating damper in its banking position to open the last closed circuit.

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**2,116,913**

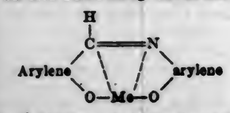
**HEAVY METAL AZOMETHINE DIARYLENE DIHYDROXYLATES**

**Karl Schmidt, Cologne-Mulheim, and Ottmar Wahl, Leverkusen, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware**

**No Drawing. Application September 16, 1936, Serial No. 101,089. In Germany October 12, 1935**

**3 Claims. (Cl. 260—11)**

1. As new products heavy metal complex compounds of ortho-ortho'-dihydroxy-azomethine compounds of the following formula:




wherein the arylenes represent members of the group consisting of radicals of the benzene and naphthalene series bound by two adjacent carbon atoms and being free from acid salt forming groups, and *Me* stands for a bivalent heavy metal atom, being valuable pigments.

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**2,116,914**

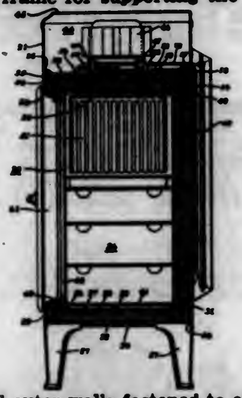
**REFRIGERATING APPARATUS**

**Edmund F. Schweller, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware**

**Application November 26, 1932, Serial No. 644,473**

**11 Claims. (Cl. 220—9)**

1. A refrigerator cabinet including an inner liner, a rectangular door molding fastened to the front edges of the inner liner, said door molding being of a material having low heat conductivity, a door jamb frame of a material having low heat conductivity surrounding the front portion of the rectangular door molding, fastening means for fastening the rectangular door molding to the door jamb frame for supporting the inner liner,



sheet metal outer walls fastened to and supporting the door jamb frame, and insulating means between the outer metal walls and the inner liner.

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**2,116,915**

**MOTOR VEHICLE SAFETY MEANS**

**Roland F. Tellkamp, Davenport, Iowa**

**Application October 26, 1936, Serial No. 107,665**

**1 Claim. (Cl. 296—137)**



In an automobile having a sheet metal deck, a heat, shock, and sound insulating pad of porous, yielding material having a tendency to resist distortion, said pad being formed from a single piece and having substantially its entire upper surface secured directly to the inside surface of said deck, said pad extending from end to end and from side to side of the vehicle and protecting the occupants of the vehicle from violent contact with any part of the interior of the deck.

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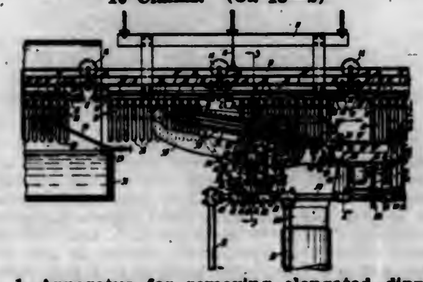
**2,116,916**

**METHOD AND APPARATUS FOR REMOVING ARTICLES FROM FORMS**

**Rollyn Van Hyning, Akron, Ohio, assignor to John R. Gammeter, Akron, Ohio**

**Application January 18, 1937, Serial No. 121,125**

**10 Claims. (Cl. 18—2)**



1. Apparatus for removing elongated dipped rubber articles from their formers which comprises means for sliding the upper portions of said articles gradually downwardly without rolling said upper portions, and means for applying a pulling or beating force to the lower portions of said articles, which force is applied progressively upwardly from the lower ends of the articles.

9. The method of removing elongated dipped rubber articles from forms which comprises sliding the upper portions of said articles progressively downwardly of the forms a determinate distance without rolling said upper portions, and then beating the lower portions of said articles progressively upwardly from the lower ends thereof to remove them from the forms without turning inside out.

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**2,116,917**

**SHOE STRETCHER**

**James Ventola, Kansas City, Mo.**

**Application November 9, 1936, Serial No. 109,946**

**4 Claims. (Cl. 12—128.3)**



1. In a shoe stretcher, bearing means, two spreader members, means connecting said members to said bearing means by which they are permitted to move outwardly in opposite directions to spread a shoe, a rod rotatable in and held from longitudinal movement by said bearing means and having two oppositely threaded portions, two nuts respectively fitted and adapted for travel on said portions when said rod is rotated relatively to said nuts, one of said nuts being between and adapted, when moved in one direction, to engage and force said members outwardly in opposite directions, and a stretcher member engageable with and movable forwardly and rearwardly by the other nut and adapted to engage and force rearwardly the heel portion of the shoe upper.

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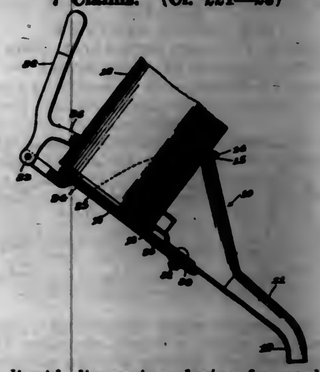
**2,116,918**

**DISPENSING FUNNEL FOR SEALED CONTAINERS**

**George A. Walker, Saugus, Mass., assignor to Dover Stamping and Manufacturing Company, Cambridge, Mass., a corporation of Massachusetts**

**Application December 27, 1933, Serial No. 704,147**

**7 Claims. (Cl. 221—23)**



1. A liquid dispensing device for sealed containers, comprising a body portion adapted to receive a portion of a container and provided with a discharge spout, a cutter movably supported within the device, and manually operable means for forcing the cutter against the container to cut a hole in the latter through which the liquid may drain.

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**2,116,919**

**FOUNTAIN PEN**

**Eugene K. Werner, New York, N. Y., assignor to Francis K. Werner and Anton Ens, both of New York, N. Y.**

**Application September 20, 1935, Serial No. 41,336**

**1 Claim. (Cl. 120—42)**



In a pen of the type described, a feed bar, said feed bar having a relatively small ink stick recess whereby an ink stick placed within said recess will substantially fill the same, said feed bar having a plurality of parallel fluid feeding channels extending longitudinally of its outer surface, said channels terminating at the inner end of the feed bar, and a relatively short passage way extending from the base of the center channel of said fluid feeding channels through the feed bar to the ink stick recess thereby to expose an ink stick in said recess to the action of a fluid passing along the fluid feeding channels of the feed bar.

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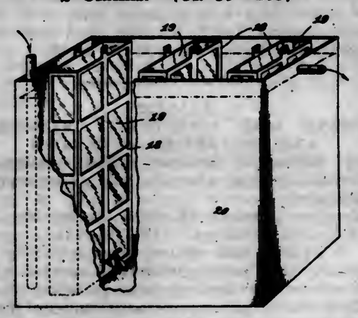
**2,116,920**

**CONCENTRATION OF LIQUID FOOD MATERIAL**

**Leonard Wickenden, Manhasset, N. Y., assignor to Beau May Process Corporation, New York, N. Y., a corporation of New York**

**Application January 11, 1934, Serial No. 706,203**

**2 Claims. (Cl. 99—105)**



1. The process of concentrating juices of citric acid fruits which comprises, placing the fresh

fruit juice in contact with one side of a semi-permeable membrane, and placing in contact with the other side of the membrane sugar in a high concentration to which has been added an amount of citric acid sufficient to bring the concentration of acid on each side of the membrane to approximately the same degree, whereby water passes from the fruit juice to the opposite side of the membrane by osmotic action and the concentration of the fruit juice is raised.

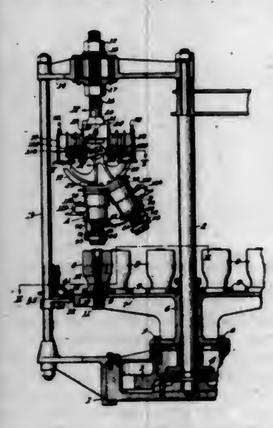
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2,116,921

## GLASS PRESS

Henry W. Arnold and Charles Badger, Mount Vernon, Ohio, assignors to The Lamb Glass Company, Mount Vernon, Ohio, a corporation of Ohio

Application August 26, 1935, Serial No. 37,801
21 Claims. (Cl. 49—38)



1. In a glass press, a frame, an intermittently rotatable mold supporting table, a plurality of molds carried by said table, a movable pressing head supported by said frame above said table, said head including a plurality of cylinders each provided with a relatively movable plunger and pressing ring differing in configuration from the plunger and pressing ring of an adjacent cylinder, pneumatically controlled means actuated by the rotation of said table for selectively aligning any of said cylinders in vertical pressing registration with one of said molds, and pneumatically controlled means operative to automatically move only the plunger and ring of the cylinder aligned with a mold into and out of engagement with the glass in the mold.

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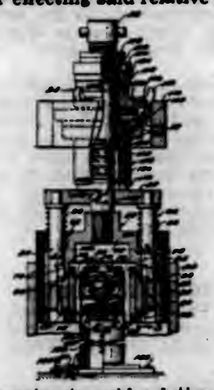
2,116,922

## MACHINE FOR GRINDING CYLINDRICAL AND EXTERNAL SURFACES

Albert Bleasdale, Detroit, Mich., assignor to Micromatic Hone Corporation, a corporation of Michigan

Application October 26, 1935, Serial No. 46,844
15 Claims. (Cl. 51—73)

1. A honing tool embodying a grinding head, a plurality of abrading elements carried by said head, means for driving said grinding head in rotation, an adjusting element concentric with said driving means, driving connections between said driving means and said adjusting element adapted to permit limited relative axial movement therebetween, an inertia member associated with said tool for effecting said relative movement and



means responsive to said relative movement for adjusting the positions of said abrading elements.

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2,116,923

## PROCESS OF HEAT-TREATING ALLOYS

John W. Bolton, Cincinnati, Ohio, assignor to The Lunkenheimer Company, Cincinnati, Ohio, a corporation of Ohio

Original application November 1, 1933, Serial No. 696,162. Divided and this application April 23, 1934, Serial No. 721,943
7 Claims. (Cl. 148—2)



1. In a method of manufacturing an alloy, casting the alloy with from 1.75 to 3.25 per cent. silicon, from 0.1 to 1.0 per cent. calcium and with the balance substantially nickel and copper in approximately equal ratios, reducing its hardness by heating it at from 1350 to 1600 degrees Fahrenheit, quenching it, machining it, and restoring or increasing its hardness by heat-aging it at from 900 to 1200 degrees Fahrenheit.

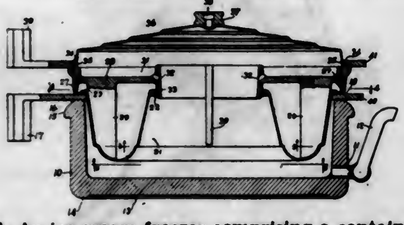
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2,116,924

## ICE CREAM FREEZER

Edwin T. Brace, Springfield, Ohio

Application February 27, 1936, Serial No. 66,085
8 Claims. (Cl. 257—105)



6. An ice cream freezer comprising a container for a freezing agent, a cream container therein, a stirring member having stirring portions extending simultaneously into said cream container and said freezing agent container, said



stirring member being adapted to cover said cream container and having a depression therein adapted to receive additional freezing agent, and drainage means for draining the excess liquid from said depression.

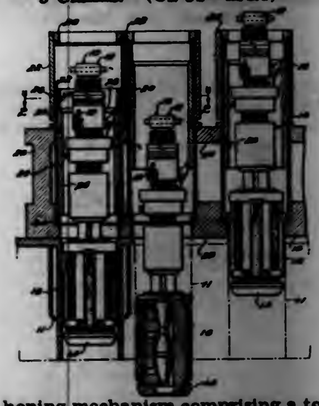
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2,116,925

## ADJUSTING MEANS FOR HONING TOOLS

Kirke W. Connor and Albert Bleasdale, Detroit, Mich., assignors to Micromatic Hone Corporation, a corporation of Michigan

Application October 7, 1935, Serial No. 43,932
9 Claims. (Cl. 51—134.3)



1. In honing mechanism comprising a tool having an abrading element movable between abrading and retracted positions to operate upon the surface of an object, and adapted to be rotated and axially reciprocated throughout a predetermined working stroke relative to said object, the combination of a tripping finger carried by said tool for actuating said abrading element between said abrading and contracted positions; a tripping plate; and means mounting said tripping plate adjacent the path of reciprocation of said tool for movement parallel to the axis of said tool, the range of movement of said plate being such that said plate and finger are effective to cooperate to cause movement of said abrading element to abrading position when said tool reaches a point intermediate the ends of said working stroke, and to cause movement of said abrading element to retracted position when said abrading element is moved relative to said object to a point in axially overlapped relation to said object but beyond the limits of said working stroke.

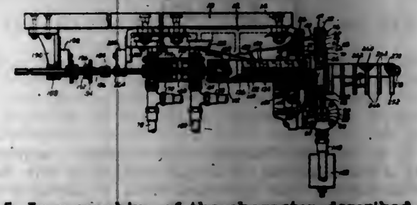
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2,116,926

## GAUGING MACHINE

Raymond H. Cramer, Newark, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of New Jersey

Application November 14, 1934, Serial No. 753,069
12 Claims. (Cl. 209—82)



5. In a machine of the character described, a gauging device, a work holder having means to support a work-piece in alignment with the gauging device, means for causing relative movement of approach between the gauging device and the work holder to bring the work and the gauging device into tight telescoping engagement, the work holder having means to temporarily limit the relative movement and bring about said tight engagement and mechanism for operating said limiting means to release the piece from the holder and thereby render the first-mentioned means again operative to produce simultaneous movement of the gauging device and the work to a stripping position which is dependent upon the amount of the preliminary relative movement; substantially as described.

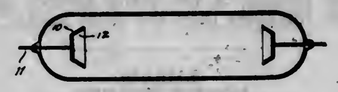
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2,116,927

## ELECTRICAL DISCHARGE DEVICE

Edmund Germer, Berlin-Wannsee, Germany

Application April 13, 1937, Serial No. 136,540
In Germany April 20, 1935
2 Claims. (Cl. 176—126)



1. An electrode for an electric discharge tube which comprises a dense metal carrier base, an integral metallic surface layer thereon, more porous than the base, and a coating of activation material adhering to said porous layer, the outer layer of metal on said electrode being of gradually increasing porosity as the activated surface of the electrode is approached.

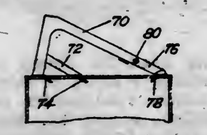
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2,116,928

## GRIPPING IMPLEMENT

Robert G. Hanneman, Chicago, Ill.

Application October 19, 1936, Serial No. 106,354
3 Claims. (Cl. 294—27)




1. A gripping device, including a handle, penetrating prongs on the handle, an extension hingedly mounted on the handle remote from the prongs, and additional penetrating prongs on the extension, together with a spring element in said hinged construction, and locking means in the hinge.

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2,116,929

## ELECTRODEPOSITION ANODE

William J. Harshaw, Shaker Heights, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

Application April 23, 1935, Serial No. 17,831
2 Claims. (Cl. 204—4)

1. An electro-deposition anode, comprising supporting means including a plurality of inactive-surfaced conductive carriers, clamp bars tightenable on the same to hold them together in unit relation, and an active surface made up of closely placed hexagonal faced corrodible nickel pieces

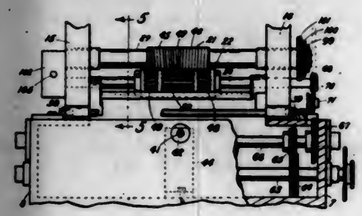
secured to the carriers by sockets frictionally seating on taper pins, the corrodible pieces in the



middle portion of the active surface being of greater thickness than the other pieces.

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2,116,930
**DOUGH MOLDER**
William G. Kirchhoff, Cincinnati, Ohio, assignor to The J. H. Day Company, Cincinnati, Ohio, a corporation of Ohio
Application December 16, 1935, Serial No. 54,586
7 Claims. (Cl. 107—9)



1. A sheeting head for dough working machinery, comprising a series of sheeting rolls at least one of which is adjustable bodily toward and from another, a sprocket associated with each sheeting roll, a bodily movable bearing for the adjustable sheeting roll, an idler sprocket adapted for movement relative to the sprockets of the sheeting rolls, a chain drive for all the sprockets, and means actuated by the bodily movable bearing, for shifting the idler sprocket to maintain a predetermined tension of the chain drive for the sprockets of the sheeting rolls.

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2,116,931
**PROCESS FOR THE RECOVERY OF LACTOSE FROM WHEY**
Abraham Leviton, Washington, D. C., assignor to Secretary of Agriculture of the United States of America
No Drawing. Application April 16, 1937, Serial No. 137,285
2 Claims. (Cl. 127—31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for the recovery of lactose from whey, which comprises adding to whey, at room temperature, sufficient alcohol and water to yield a mixture containing at least 4 parts of 95% alcohol by volume to 1 part of water, thence agitating the mixture, thence immediately filtering, and thence acidifying the filtrate and recovering the lactose.

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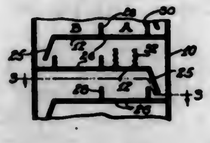
2,116,932
**WALKING BEAM SADDLE**
Albert N. Porter, Tulsa, Okla., assignor to J. F. Darby, Tulsa, Okla.
Application October 21, 1936, Serial No. 106,786
2 Claims. (Cl. 308—2)



1. A beam saddle including a pair of side irons, means securing the side irons to the Samson-post of a pumping rig, a fulcrum member fixed to the side irons and extending across the top of the Samson-post, said fulcrum member having a substantially line edge bearing extending continuously across the width of said member, a rocker member having trunnions provided with a seat coextensively engaging said line bearing of the fulcrum member to form an axis of oscillation for a rocker beam of the pumping rig, means securing said beam on the rocker member, means carried by the fulcrum member and extending over said trunnions to retain the rocker member on the fulcrum member, and means on the rocker member engageable with the fulcrum member to lift said seat from said line bearing when said beam is moved out of functioning position.

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2,116,933
**FRACTIONATING COLUMN**
Edward G. Ragatz, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application September 16, 1933, Serial No. 689,777
3 Claims. (Cl. 196—139)

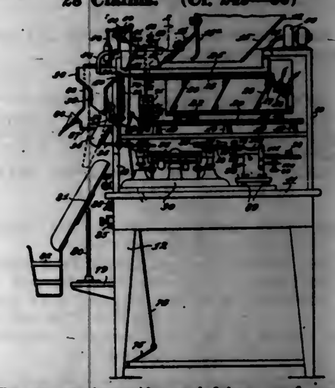


2. A tray for fractionating columns comprising a plate having its major portion at one side of a median line provided with a plurality of vapor-upflow perforations thereby constituting a perforate section, and having the major portion on the other side of said median line imperforate to constitute an imperforate section providing a relatively quiescent zone, an upstanding overflow partition between the perforate section and the imperforate section and extending from edge to edge of the plate, liquid downflow means adjacent the edge of the imperforate section remote from the perforate section, and an imperforate liquid receiving portion adjacent the edge of the perforate section remote from the imperforate section, whereby received liquid will flow across the perforate section, thence through the quiescent zone across the imperforate section and thence to the liquid downflow.



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2,116,934
**WEIGHING AND PACKAGING MACHINE**
Theodore Rapp, Los Angeles, Calif.
Application April 17, 1935, Serial No. 16,759
28 Claims. (Cl. 249—60)

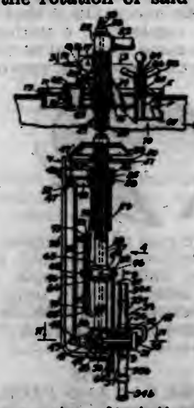


1. In an automatic weighing and packaging machine, the combination with a weighing scale and its beam, of a spout supported by one end of the scale beam, means for securing the open end of a container to the lower portion of said spout, a hopper, a trough arranged to receive material from said hopper, and discharge said material into said spout, adjustable means between the hopper and forward end of the trough for controlling the volume flow of material forwardly through said trough, means mounted for operation adjacent the forward end of the trough for controlling the discharge of material from said trough, which material discharge control means tends to move into the trough by gravity, electrically operated means for swinging said material discharge control means out of the trough, means for imparting vibratory movement of varying speeds to said trough and adjustable means for controlling the time period of change of speed of the vibratory movement imparted to said trough.

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2,116,935
**APPARATUS FOR CLEANING TANKS AND THE LIKE**
Clare Richard, Huntington Park, Calif., and Harold M. Ruth, Los Angeles, Calif., assignors, by direct and mesne assignments, to The Pyrate Corporation of Nevada, a corporation of Nevada
Application October 10, 1932, Serial No. 637,028
11 Claims. (Cl. 299—73)

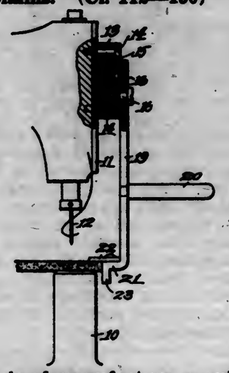
1. A device for cleaning tanks and the like embodying: a conduit; means for suspending said conduit on a substantially vertical axis; a reaction nozzle member mounted on said conduit for rotation about a horizontal axis; and means operated by the rotation of said nozzle member



for imparting one step of rotation to said conduit about its vertical axis for each rotation of said nozzle member about its horizontal axis.

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2,116,936
**STITCHING GUIDE GAUGE**
Charles T. Stackpole, Worcester, Mass.
Application April 22, 1937, Serial No. 138,409
2 Claims. (Cl. 112—136)



1. As an article of manufacture, a guide gauge for a sewing machine comprising a plate adapted to be fixed on the head of the machine, a pivot stud carried by said plate, a gauge pivotally mounted on said pivot stud and adapted to hang down vertically in operative position, a pair of spring balls adapted to engage opposite sides of the gauge to hold it in vertical position or to yield to allow the gauge to be swung on its pivot to one side of its operative position until one edge engages the spring ball on the other side, whereby the guide will be held by that spring ball in a position away from the work.

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2,116,937
**TIRE CORD**
William E. Vecsey, Akron, Ohio, assignor to General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 11, 1935, Serial No. 53,926
4 Claims. (Cl. 117—52)

1. In a pneumatic tire, a reinforcing hawser cord fabric in which the cords have a yarn twist

for each inch of yarn of three or less times the square root of the yarn number, which twist is not substantially more than that required to bind the fibers together in a uniform strand, a ply twist in the same direction as the yarn twist and with a number of turns greater than 9.75



times the square root of the number of the plied yarn, whereby increased elasticity, increased fatigue resistance, and high tensile strength are obtained, and assembled ply units twisted together in a direction opposite to the direction of twist of the yarn and ply elements.

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**2,116,938**

**CLOSURE CAP AND PACKAGE**

**William P. White, Glencoe, Ill., assignor to White Cap Company, Chicago, Ill., a corporation of Delaware**

**Application January 2, 1936, Serial No. 57,119**
**6 Claims. (Cl. 215—7)**



2. A closure for packing containers comprising, in combination, a sealing closure having a top portion and a downwardly extending sealing element of elastic sealing material, a sheath housing said sealing closure, said sheath including a depending peripheral skirt having inwardly extending portions engaging the sealing closure to retain it in the sheath, a lower portion of said sheath skirt being adapted to be telescoped onto and bent into retentive engagement with a packing container, said lower portion of the sheath skirt being connected to the balance thereof by narrow severable portions spaced from one another circumferentially of the sheath, and a holding member fixedly connected with the sealing closure and having engagement with the sheath effective to prevent rotation of the sheath relative to the sealing closure.

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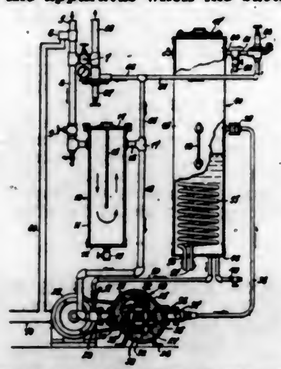
**2,116,939**

**METHOD AND APPARATUS FOR CARBONATING BEVERAGES**

**Edward Zahm and George G. Zahm, Buffalo, N. Y., assignors to Zahm & Nagel Co. Inc., Buffalo, N. Y., a corporation of New York**

**Application October 17, 1936, Serial No. 106,254**
**8 Claims. (Cl. 230—22)**

1. In an apparatus for carbonating beverages with the gases coming from fermentation, a compressor having its suction connected with the source of said gases, means for maintaining the outlet pressure of said compressor at the desired carbonating pressure, means for conducting said compressed gases directly to the carbonators, said pressure maintaining means comprising a relief valve in said conducting means and discharging gas therefrom when the outlet pressure rises above the setting of said relief valve, means connecting the relief outlet from said relief valve with the suction of said compressor, a second relief valve and means connecting the relief outlet of said first relief valve and the suction of said compressor with said second relief valve, said second relief valve effecting a discharge of gas from the apparatus when the suction pres-



sure of said compressor rises above the setting of said second relief valve.

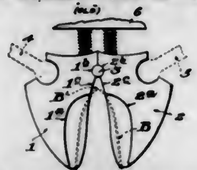
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**2,116,940**

**MOLD FOR SHOE COUNTERS**

**Leo F. Exley, Johnson City, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York**

**Application April 29, 1937, Serial No. 139,802**
**10 Claims. (Cl. 12—66)**



1. A mold for shaping counter-stiffener blanks comprising a pair of opposed recessed jaws movable towards or from each other and provided with portions adapted to prevent a blank being caught in the crevice between the jaws during the shaping operation; the said portions maintaining the lateral adjustment of the jaws when closed.

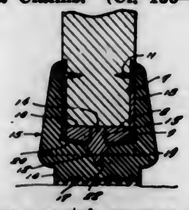
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**2,116,941**

**CRUTCH OR CANE SPIKE**

**Clifford Benjamin Francis, Washington Mills, N. Y.**

**Application April 23, 1936, Serial No. 76,058**
**2 Claims. (Cl. 135—54)**



1. A tip for a crutch or cane comprising a tubular shell having both ends open, means for connecting the shell to the lower end of said crutch or cane with the lower end of the shell extending beyond the end of the crutch or cane, a disk of considerable thickness fitting in and secured to the projecting part of the tubular member and having a rounded outer face which projects from said end of the tubular member, a centrally arranged threaded opening in said disk and a spike including a threaded shank fitting in the hole and a conical head extending downwardly from the rounded face of the disk, the inner end of the shank having a kerf therein.

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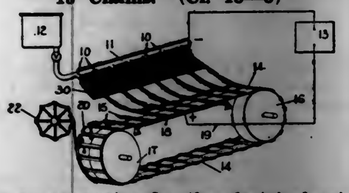


**2,116,942**

**METHOD AND APPARATUS FOR THE PRODUCTION OF FIBERS**

**Anton Formhals, Mainz, Germany, assignor of forty-five one-hundredths to Richard Schreiber-Gastell, Mainz, Germany**

**Application July 1, 1936, Serial No. 88,429**
**In Germany November 28, 1934**
**13 Claims. (Cl. 18—8)**



1. In an apparatus for the electrical spinning of fibers, a nozzle, a continuously movable supporting means spaced from said nozzle, a plurality of elements spaced from each other projecting from said means, and means for maintaining a high electric potential between said elements and said nozzle.

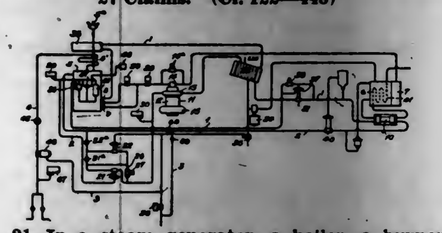
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**2,116,943**

**STEAM HEATING BOILER CONTROL FOR ELECTRIC LOCOMOTIVES**

**William S. H. Hamilton, Larchmont, and Kendall B. Rowell, Yonkers, N. Y., assignors to The New York Central Railroad Company, a corporation of New York**

**Application September 4, 1936, Serial No. 99,489**
**27 Claims. (Cl. 122—448)**



21. In a steam generator, a boiler, a burner for heating the boiler, fuel supplying means including a steam turbine for supplying fuel to the burner, a water supply tank, a pump for supplying water therefrom to the boiler, a condenser in the line of feed of water from the pump to the tank for condensing the exhaust steam from the turbine, and a pump for collecting the water of condensation from the condenser and discharging the same directly back into the tank, and a pressure controlled governor in the line of feed between the condenser and tank and controlling the flow of water from the tank to the boiler.

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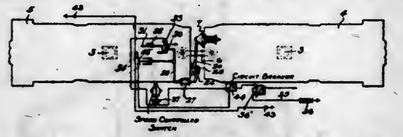
**2,116,944**

**CENTERING DEVICE FOR ARTICULATED TRUCKS**

**William S. H. Hamilton, Larchmont, and Frederic W. Butt, Woodside, N. Y., assignors to The New York Central Railroad Company, a corporation of New York**

**Application September 4, 1936, Serial No. 99,490**
**25 Claims. (Cl. 105—175)**

20. A locomotive having two articulated trucks in combination with elastic centering means and coacting locking and releasing means for holding the two articulated trucks in an elastic relationship with each other at and above a predetermined speed of the locomotive, and speed controlled means for locking and releasing said locking and releasing means.



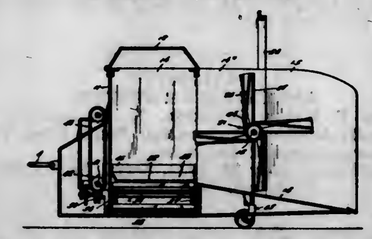
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**2,116,945**

**SNOW PLOW**

**Sherman B. Hitchens, Missouri Valley, Iowa**

**Application April 16, 1937, Serial No. 137,350**
**1 Claim. (Cl. 37—43)**



In a snow plow, a scoop-like plow structure adapted to scoop up snow in the front end thereof and including side walls and a rearwardly and upwardly inclined bottom, a rotary impeller extending between said side walls and across said bottom midway of the latter for feeding the scooped up snow rearwardly of said bottom, a box-like casing secured to the rear end of said structure to extend across the same and having an open front for receiving snow from said structure, and a bottom below the rear end of the bottom of said structure, a travelling conveyor mounted in the bottom of the casing to extend from side to side thereof with the upper run thereof flush with the rear edge of the bottom of said structure, a fan casing mounted on one side of the first mentioned casing and having an open side facing the discharge end of the conveyor and into which the conveyor directly discharges, a discharge pipe extending from the top of the fan casing, and a fan rotatable in said fan casing to force the snow discharged therein out of said discharge pipe.

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**2,116,946**

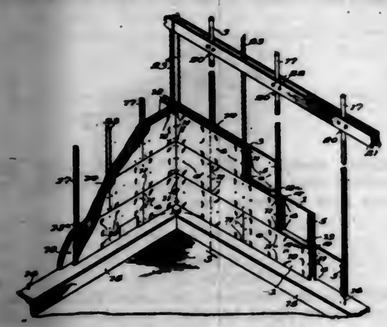
**PRE-CAST BUILDING UNIT OR SLAB AND METHOD OF ASSEMBLING SAME**

**Charles M. Huntington, Ladoga, Ind.**

**Application July 9, 1937, Serial No. 152,847**
**17 Claims. (Cl. 72—30)**

1. A pre-cast wall unit comprising a slab having on one face thereof a plurality of spaced parallel transverse ribs, two of said ribs being positioned near the center of said slab and forming together with the rib supporting face of said slab, between said centrally positioned ribs, a substantially U-shaped groove, and single similar ribs positioned adjacent each end of said slab and spaced inwardly therefrom, each of said single end ribs forming together with the adjacent end portion of the rear face of said slab a groove of substantially one-half U-shaped configuration, the center plane of each of said ribs being nor-

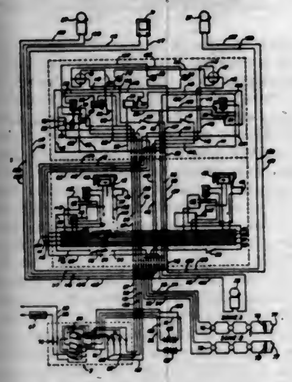
mal to said face of the slab, and each of said ribs being of greater width at its base portion



which is integral with the face of the slab than at its free outer end.

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2,116,947
**ANNUNCIATOR SYSTEM**
Morris F. Ketay, Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 30, 1932, Serial No. 627,006
3 Claims. (Cl. 177—311)



1. An alarm annunciator system comprising a plurality of normally closed protection circuits in different zones, each of said circuits including means for maintaining a supervisory current therethrough and means for causing an increased current in the circuit in response to an alarm condition, a separate drop annunciator for each protection circuit having its current responsive drop operating means included in its circuit, the operating means for each annunciator being ineffective to operate its drop in response to the supervisory current flowing in its circuit but responsive to operate its drop due to the increased current in its circuit, audible alarm means, means operated by any one of the drops to operate the audible alarm means, other current responsive means one for each circuit and included therein, said other current responsive means for such circuit being normally operative by the supervisory current in its circuit and rendered inoperative by the cessation of current flow therein, means controlled by each of said other current responsive means when rendered inoperative for causing a supply of sufficient current to its corresponding drop operating means to thereby cause the drop to operate independently of the current in its protection circuit, other audible signalling means and means whereby it is operated by any one of the other responsive means when this means is rendered inoperative, visual differentiating means for visually indicating whether the drop operation is due to the increase in current in the protection circuits or in response to the inoperative condition of the other responsive means, and means whereby said differentiating means is controlled by the combined conditions of the drops and the other current responsive means.

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2,116,948
**PRINTING TYPE SPACER OR THE LIKE**
Frank J. Lemieux, Rumford, R. I.
Application July 6, 1937, Serial No. 152,032
11 Claims. (Cl. 101—398)



1. A type unit comprising a block-like body having vertical walls extending upwardly from its foot with the walls which engage the next unit on the same line of type smooth, the wall extending from the lower edge of the letter provided with a groove and the wall extending from the upper edge of the letter provided with a spur and extending but a portion of the distance across the wall and tapered to merge into the wall from which it extends.

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2,116,949
**BAG LATCH**
Allen T. Long, Petersburg, Va.
Application May 25, 1937, Serial No. 144,744
6 Claims. (Cl. 292—228)

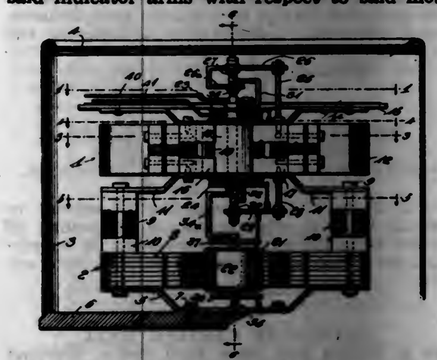


1. A bag latch of the character described, including a base having an opening in its upper face, a hasp having its end portion rocking against one end wall of said opening in the base, the hasp having a downwardly projecting tongue, means carried by the hasp extending through said opening and interlocking the hasp with the base, and a downwardly bowed spring operatively engaged at one end with the underface of the hasp adjacent its fulcrum and at the opposite end operatively engaged with the base.

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2,116,950
**ELECTRICAL MEASURING INSTRUMENT**
Guido Marchetti, Bakersfield, Calif.
Application June 10, 1937, Serial No. 147,560
5 Claims. (Cl. 171—95)

1. Electrical measuring apparatus comprising in combination, separate meter devices mounted in superposed relation, a scale plate mounted above said devices, an indicator arm individual to each of said devices, and means including separate sets of axial bearing supports for mounting said indicator arms with respect to said meter

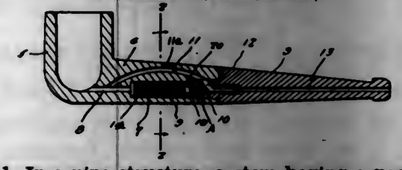


devices for coaxial and substantially coplanar movement thereof with respect to said scale plate.



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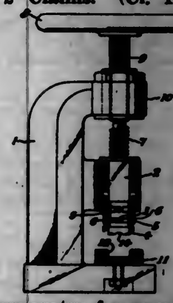
2,116,951
**SMOKING PIPE**
Henry Clarence McClune, Topeka, Kans.
Application September 3, 1936, Serial No. 99,292
2 Claims. (Cl. 131—12)



1. In a pipe structure, a stem having a pocket therein, a moisture absorbing unit in the pocket, said unit including a frame, absorbing material in the frame, a formation in the pocket adjacent one end thereof, and a hook member on the frame engaged with the said formation to prevent displacement of the unit from the pocket.

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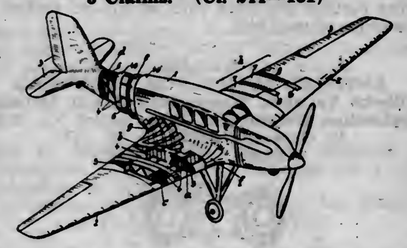
2,116,952
**APPARATUS FOR SECURING A STRIP OF METAL TO A FABRIC PIECE OF A NECKTIE**
Carl Wilhelm Nyström, Karlstad, Sweden
Application May 26, 1936, Serial No. 81,940
In Sweden May 27, 1935
2 Claims. (Cl. 153—1)



1. In an apparatus for securing a strip of durable material, such as metal, to a fabric piece of a necktie, comprising the combination of a lower die having a recess in its upper surface adapted to receive the necktie and the strip of material, an upper die constituting a pressing tool adapted to enter the said recess, and means for reciprocating the pressing tool substantially perpendicular to the die, a spherical bearing surface for at least one of the said dies to permit the die to carry out a limited oscillatory movement and spring means acting to maintain the said die in engagement with said spherical bearing surface.

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2,116,953
**AIRPLANE STRUCTURE**
Adolf Sambraus, Berlin-Charlottenburg, Germany
Application September 7, 1934, Serial No. 743,126
3 Claims. (Cl. 244—131)



3. A joint structure for a curved surface in aircraft construction comprising intersecting and overlapping strips of sheet metal covering said curved surface and joined by a soft solder only, and exposed principally to shear, said metal strips being of foil-like thickness and being composed of a high tensile strength heat treated steel, and said solder having a fusing temperature intermediate the fusing temperatures of lead-tin and brazing solders for steel.

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2,116,954
**MECHANICALLY WORKING METAL ARTICLE**
Fritz Singer, Nuremberg, Germany, assignor to Tubus A. G., Zurich, Switzerland
No Drawing. Original application May 14, 1936, Serial No. 79,709. Divided and this application October 28, 1937, Serial No. 171,481. In Germany June 9, 1934
1 Claim. (Cl. 148—4)

That improvement in methods of mechanically working metal articles at temperatures below 800° F., for the purpose of extensive plastic deformation, which consists in coating the metal by treating it with a chemical solution which reacts with the metal to produce thereon an oxide lubricant coating, the crystals of which coating are in heterogeneous crystalline joint with the metallic base and tightly grown together with the latter, and subsequently working the thus coated article to the extent that the coating is substantially removed.

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2,116,955
**RAIL ANCHOR**
Lee Spencer, Flushing, N. Y.
Application October 5, 1937, Serial No. 167,449
3 Claims. (Cl. 238—322)

2. A rail anchor of the class described comprising a longitudinally elongated member provided at one end with an upstanding lug to abut one longitudinal edge of the base flange of the rail, the opposite end of said member being provided with a hook, the bill portion of said hook being adapted to overlie said base flange and being polygonal in cross sectional form, and a bodily

detachable block-like cap slidably mounted on said bill, said cap having selectively usable flat sides for binding frictional contact with the ad-



jacent face of the base flange of the rail and being further provided with an off-set socket for reception of said bill.

2,116,956
**ANTISLIP DEVICE FOR FOOTWEAR**
Wilhelm Vorwerk, Wuppertal-Barmen, Germany
Application December 5, 1935, Serial No. 53,041
In Germany February 12, 1935
1 Claim. (Cl. 36—59)



An anti-slip device for footwear comprising a rubber base plate, a plurality of rubber stud-like protuberances on and integral with the base plate, a reinforcing plate completely embedded in the base plate and extending close to the edges of the base plate, the reinforcing plate having apertures so as to provide areas of rubber of relatively large cross-section for connecting the parts of the device above and below the reinforcing plate, and the reinforcing plate also having small holes around its edge and outside the area covered by the protuberances, for the passage of nails or screws for fixing the device to the footwear.

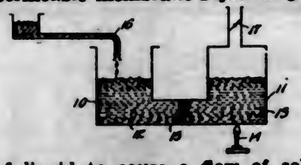
2,116,957
**PIPE FIXING**
Frederick John Trevallon Barnes, Brisbane, Australia
Original application February 15, 1935, Serial No. 6,751. Divided and this application June 17, 1936, Serial No. 85,813. In Great Britain February 20, 1934
1 Claim. (Cl. 248—65)



Means for fixing pipes of fragile material such as glass to a support, comprising a grooved cylindrical abutment member, a fixing screw passing axially through said cylindrical member, and a flexible strap through one end of which the pointed end of said fixing screw passes, the other end of said strap being slotted for engagement over a projection at the other end of said member.

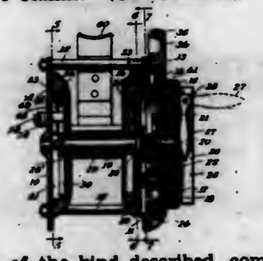
2,116,958
**MEANS FOR CIRCULATING FLUIDS**
Kemper P. Brace and Robert B. P. Crawford, Washington, D. C.
Application April 19, 1935, Serial No. 17,368
7 Claims. (Cl. 62—119.5)

1. A device of the kind described comprising a vessel having a compartment therein having a solution of a pure solvent and a nonvolatile solute dissolved therein, a second compartment having a body of pure solvent therein under a pressure less than that in the first named compartment, a semi-permeable membrane separating the two



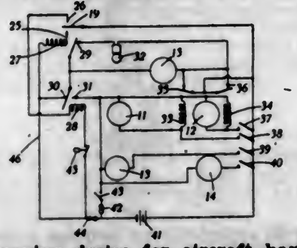
bodies of liquid to cause a flow of solvent by osmosis into the solution, means for boiling off solvent from the solution and means for supplying pure liquid solvent to the body of pure solvent.

2,116,959
**PREWOUND CASTING REEL**
Lee S. Brown and Jerry Paul Dolce, Worland, Wyo.
Application April 23, 1936, Serial No. 76,941
5 Claims. (Cl. 242—84.3)



1. A reel of the kind described, comprising a supporting frame, spools concentrically journaled in the frame for independent rotation with respect to each other, means for connecting the spools for rotation in one direction, a braking device supported by the frame and having tensioning leaves for engaging the respective spools and normally braking the same, and manually actuated means for operating the braking device and effecting successive releasing and braking of said spools.
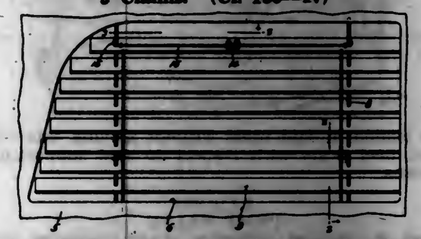
2,116,960
**WARNING AND INDICATING DEVICE FOR AIRCRAFT**
Francis Victor Brown, London, and Andre Onwood, Southfields, London, England, assignors to Automotive Products Company Limited, London, England
Application May 4, 1937, Serial No. 140,762
In Great Britain April 3, 1936
3 Claims. (Cl. 177—311)



1. A warning device for aircraft having retractible landing gear comprising electrical circuit means including signal means for visibly indicating the retracted and extended positions of said gear, a switch for deenergising said circuit and signal means, a master signal device for indicating when the gear is retracted, and circuit means shunting said switch for energising said signal device when the gear is retracted, said energizing means including a switch operated at a predetermined air speed.

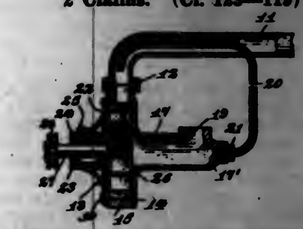


2,116,961
**SUNSHADE FOR AUTOMOBILES**
John R. Buell, Pueblo, Colo.
Application May 14, 1937, Serial No. 142,690
3 Claims. (Cl. 156—17)



1. A shade comprising a plurality of vertically spaced slats, vertically disposed guide members extending through the slats, flexible connecting means between the slats, one of said slats being provided with a spring detent for tensionally engaging one of the said guides.

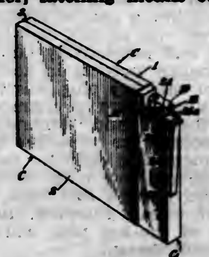
2,116,962
**CHARGE FORMING DEVICE FOR INTERNAL COMBUSTION ENGINES**
Raoul E. Chartier and Romeo A. Chartier, Holyoke, Mass.
Application September 28, 1936, Serial No. 103,015
2 Claims. (Cl. 123—119)



1. A charge forming device for internal combustion motors comprising an intake manifold, a fuel mixture pipe having one end connected thereto, a housing connected to the other end of the fuel mixture pipe, a shaft revolubly journalled in the housing, an impeller fixed to the shaft for rotation therewith, said housing having an extension at right angles to the direction of rotation of the impeller, said extension having a port for establishing communication with the outlet of a carburetor, drive means for the shaft and impeller for drawing a gaseous charge from the carburetor into the housing for agitation by the impeller and forceful discharge into the feed line, and conduit means between the extension and the fuel mixture pipe for recirculating a portion of the gaseous charge.

2,116,963
**COMBINED PYROPHORIC LIGHTER AND CIGARETTE CONTAINER**
Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey
Application December 2, 1935, Serial No. 52,479
5 Claims. (Cl. 206—41.4)

1. In combination, a cigarette container having a pivoted cover, a pyrophoric lighter having a fuel casing pivoted to the fixed section of said cigarette container, latching means cooperable be-



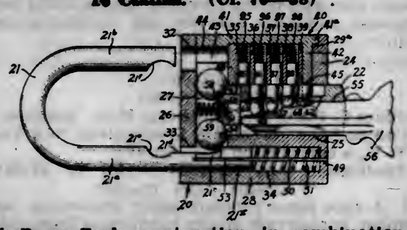
tween said fuel casing and said pivoted cover, and means whereby pivotal movement of said fuel casing releases said latching means.

2,116,964
**TRUCK**
Fred E. Bachman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 6, 1934, Serial No. 738,674
26 Claims. (Cl. 105—197.1)



1. In a truck, the combination of a side frame having tension and compression members and column guides therebetween forming an opening therein, a bolster extending into said opening and cooperating with said column guides, coil springs disposed between said bolster and said tension member, and a leaf spring disposed between said coil springs, said leaf spring being seated at two points on said bolster and supported at one point on said side frame, said points being spaced apart longitudinally of said spring.

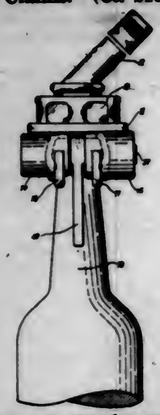
2,116,965
**PADLOCK CONSTRUCTION**
Adam Scheerel, New York, and Henry F. Keil, Scarsdale, N. Y., assignors to Francis Keil & Son, Inc., a corporation of New York
Application November 1, 1935, Serial No. 47,762
16 Claims. (Cl. 70—38)



1. In padlock construction, in combination, a casing having a bore in which is slidably received a key plug, said key plug and casing having tumbler means controllable by a key for permitting or preventing sliding movement of the key plug relative to the casing, said casing having in one end thereof open recesses, a U-shaped shackle having one leg longer than the other slidably related to said casing with the legs thereof receivable into said recesses, the portions of said

legs receivable into said recesses being notched, said key plug having an interior extension provided with cam-like faces each directed toward one of said notches, a pair of members each interposed between one of said cam-like faces and a shackle leg and respectively movable into or out of said shackle notches in accordance with the position of said key plug lengthwise of said bore, said casing having a chamber extending transversely thereof and terminating in said shackle leg recesses for receiving freely therein said two members, said chamber having parallel side walls and said key plug extension having similarly spaced parallel side walls received between the walls of said chamber, thereby to prevent rotation of the key plug while permitting sliding movement thereof.

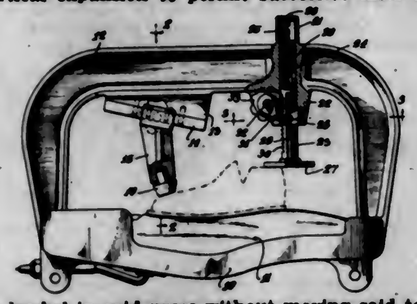
2,116,966
**LIQUOR DISPENSER REGISTER**
Lester P. Barlow, Stamford, Conn.
Application July 13, 1935, Serial No. 31,207
12 Claims. (Cl. 215—73)



8. In a dispenser attachment for a bottle, a dispenser comprising two portions hinged at one end and adapted to be brought together at their opposite ends, a housing on each of the said opposite ends of said portions, a lock in one of said housings, a counter in the other of said housings, locking means operated by and carried by the lock adapted to engage means on the counter housing for locking said portions together, and means operable by said locking means while locking said portions together for actuating said counter.

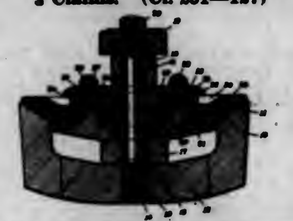
2,116,967
**SOLE PRESS**
William C. Card, Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application July 23, 1935, Serial No. 32,691
8 Claims. (Cl. 12—33)

1. A shoe press comprising an immovable base member, supporting means rigidly and immovably mounted on and extending over said base member, a downwardly and inwardly inclined guideway on the under side of said supporting means, a rigid shoe contacting toe post having a way slidably receiving said guideway with the post extending at fixed obtuse angles with respect to said guideway and the remaining structure and slidably mounted on said guideway, means for fixing said post in position along said guideway, a last contacting heel post carried by said supporting means, and a pressure applying pad carried by said base member and having sufficient vertical expansion to permit successive lasts to



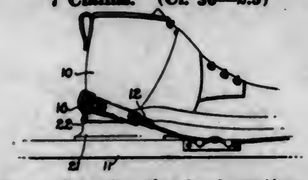
be loaded in said press without moving said toe and heel posts with respect to said supporting means.

2,116,968
**PUMP VALVE**
Earl R. Casner, Whittier, Calif., assignor, by mesne assignments, to Security Engineering Co. Inc., Whittier, Calif., a corporation of California
Application October 2, 1935, Serial No. 43,210
3 Claims. (Cl. 251—127)



1. A valve comprising means providing a valve seat, means providing a stem on the valve seat, and a closure slidable on the stem comprising upper and lower plates, a rubber disk between the plates, and means for holding the plates and disk in assembled relation but enabling the plates to move slightly toward each other into squeezing engagement with the disk therebetween, said disk having a peripheral portion engageable with the seating surface of the valve seat, and a central portion arranged adjacent the stem so that when the valve is seated the central portion of the disk may be squeezed into sealing engagement with the valve stem, the lower plate being of such size and shape as to enter and closely fit within the valve seat, and means around the base of the stem engageable by the lower plate to limit the closing movement of the closure.

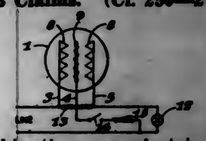
2,116,969
**HEEL PLATE FOR SKIING**
George J. Cyr, Jr., Manchester, N. H.
Application February 16, 1937, Serial No. 126,060
7 Claims. (Cl. 36—2.5)




1. A heel plate for the heel portion of a ski boot to engage a ski binding thereat comprising a counter member engaging the counter portion of the ski boot, the said counter member having inclined guiding means to engage the ski binding and an inwardly turned flange for securing the plate to the heel of the boot.



2,116,970
**GASEOUS ELECTRIC DISCHARGE DEVICE AND METHOD OF OPERATING SAME**
Ted E. Foulke, Nutley, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey
Original application February 19, 1934, Serial No. 712,031. Divided and this application July 10, 1935, Serial No. 30,593
3 Claims. (Cl. 250—27)



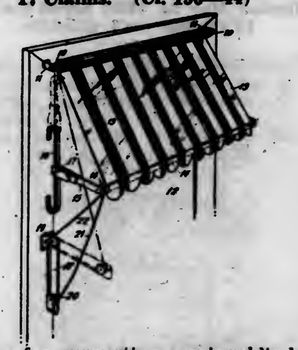
1. In combination, an electric gaseous discharge device comprising a sealed envelope containing a gaseous atmosphere, a pair of electrodes sealed into said envelope, and a gauze grid between said electrodes, the openings in said grid being of such a size that they are entirely closed by the normal electron sheath about said grid when said gas is not ionized, said grid being of substantially greater area than either of said electrodes, and so disposed with respect thereto that the path between said electrodes around said grid is substantially longer than the separation of said electrodes, a source of potential connected between said electrodes, said potential being insufficient to initiate a discharge between said electrodes only so long as the openings in said grid are closed by said electron sheath, and means effective prior to an initiation of a discharge between said electrodes to increase the ion density in the gas about said grid to shrink said sheath to provide a path through said grid from one electrode to the other.

2,116,971
**TUBE FORMING MACHINE**
Adolf Haslauer, East Orange, N. J., assignor to Superior Tube Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 16, 1936, Serial No. 105,975
30 Claims. (Cl. 113—34)



1. In a machine for the purposes described, the combination of blanking dies, means for effecting operation of said blanking dies, a mandrel extending beyond said blanking dies, means to discharge a blank from said blanking dies to said mandrel, means to position and hold the discharged blank in operative relation to said mandrel, a blank bending die above said mandrel, means for moving said blank bending die toward and from said mandrel, a vertically reciprocable die below and movable toward and from said mandrel, opposed transversely movable seam lap forming dies cooperative with said mandrel, a transversely movable seam lock forming die, means for actuating said seam lap and seam lock forming dies in cooperative timed relation subsequent to the operation of said blank bending die, and means to actuate said vertically reciprocable die in cooperative timed relation to the movements of said blank bending die and said seam lap and seam lock forming dies to complete the seam interlock.

2,116,972
**BRACKET FOR AWNING BLINDS**
Charles Joseph Hesse, Footscray, Victoria, Australia
Application February 28, 1934, Serial No. 713,291
In Australia March 3, 1933
17 Claims. (Cl. 156—44)



1. Means for supporting awning blinds comprising the combination, with supporting means disposed in a fixed position for supporting a portion of the blind, of a spaced pair of guide rails extending substantially at right angles to said supporting means, an opposed pair of inflexible supporting arms mounted to individually move bodily on said guide rails, a transverse member connecting outer portions of the inflexible supporting arms and having a portion of the blind connected thereto, means for resiliently exerting a tension on the blind, an abutment on each of said inflexible supporting arms arranged to engage the front face of the respectively coacting guide rail, and an abutment on each of said inflexible supporting arms arranged to engage the rear face of the respectively coacting guide rail, which last mentioned abutments are disposed more remotely from said supporting means than the first mentioned abutments.

2,116,973
**DISPENSING CONTAINER**
Charles E. Hoyt, Beverly, Mass., assignor to William E. Tupper, Topsfield, Mass.
Application January 18, 1937, Serial No. 121,029
6 Claims. (Cl. 91—67.4)

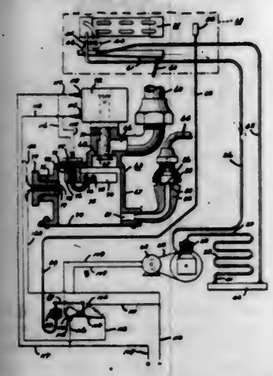


6. A dispenser for roofing cement or the like, comprising a container having a sheet metal end

wall provided with means for forming therein a slot for the discharge of the contents of the container, and means including a portion of said end wall embossed outwardly in the shape of a ridge for spreading the contents of the container on a surface to form a band of predetermined width.

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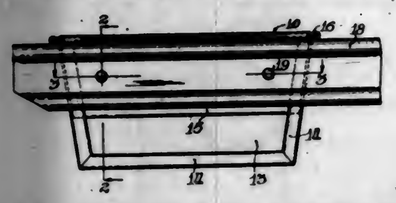
2,116,974
**REFRIGERATING APPARATUS**
Lloyd M. Keighley, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 24, 1937, Serial No. 144,431
15 Claims. (Cl. 62—129)



11. An apparatus comprising in combination, means for dehumidifying air adapted to flow thereover, means for circulating a medium through said first named means to cause said dehumidification of the air, means for collecting drip water from said dehumidifying means, means for creating a pressure in said drip water collecting means to cause removal of drip water upwardly therefrom, and said drip water removing means being responsive to operation of said medium circulating means.

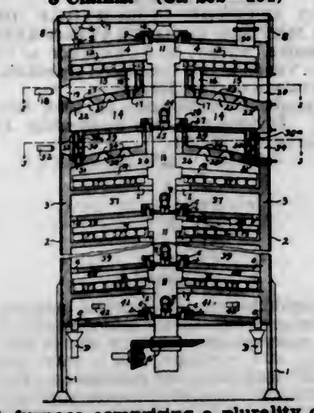
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2,116,975
**BAKING PAN SET CONSTRUCTION**
Jacob Kollman, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application February 11, 1937, Serial No. 125,226
9 Claims. (Cl. 53—6)



1. The combination with a plurality of individual baking pans, of flanges at the edges of the walls thereof, a wire frame positioned adjacent the said flanges and encircled thereby, extensions on the flanges of the end walls of the pans, means for anchoring and securing the terminals of said extensions to the junction between the end walls and side walls of the pan, and a strap overlying said extensions secured thereto.

2,116,976
**APPARATUS FOR REVIVIFYING SPENT DECOLORIZING MATERIALS**
Carl G. Keeppi, New York, N. Y., assignor of one-half to Anthony William Deller, New York, N. Y.
Application May 31, 1934, Serial No. 728,299
8 Claims. (Cl. 202—164)



1. A furnace comprising a plurality of superimposed hearths, means for admitting material to be treated to the uppermost hearth, a plurality of combustion chambers interspaced between the upper hearths, a plurality of heat radiating discs forming the floor of the combustion chambers and the ceiling of the contiguous hearths, said discs adapted to radiate heat to the top surface of the material to be treated to volatilize substances therefrom, means for advancing material to be treated within the hearths, drop tubes connecting neighboring hearths passing through said combustion chambers and in intimate heat exchange therewith adapted to pass material to be treated from one hearth to the next lower hearth and to indirectly heat said material, means for withdrawing volatilized substances from said upper hearths, means for passing the material to be treated to lower selected hearths, means for admitting air to said lower hearths and means for withdrawing the combustion products from said lower hearths whereby the material to be treated and gases passing therefrom are not contaminated by the combustion products of said combustion chambers.

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2,116,977
**FLUORESCENT LAMP**
Clemens A. Laise, Tenafly, N. J.
No Drawing. Application September 4, 1937, Serial No. 162,525
5 Claims. (Cl. 176—122)

1. The process of making fluorescent glass envelopes for lamps which comprises heating fluorescent salts until they form into sharp-edged crystals, frosting the inside surface of the glass envelope, coating the frosted surface with sodium silicate, spraying the salt crystals on the sodium silicate coating so that they will adhere to the glass but will not be coated by the sodium silicate, heating the coated envelope until the salt crystals become firmly bonded thereto, washing the coating with a concentrated solution of ammonium chloride, washing with water, and finally drying and baking.

3. As a new article of manufacture, a glass envelope for discharge lamps having its inner surface coated with sharp-edged particles of diatomaceous earth saturated with zinc oxide and having less than 1% of an activating agent uniformly distributed therethrough.



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2,116,978
**VULCANIZATION OF RUBBER**
Ludwig Meuser, Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 14, 1934, Serial No. 735,199
6 Claims. (Cl. 18—53)

1. A process which comprises adding to rubber, a vulcanizing agent and a furoyl derivative of a mercapto-aryl-thiazole having the thiol sulphur atom directly linked to a furoyl group, and vulcanizing the rubber.

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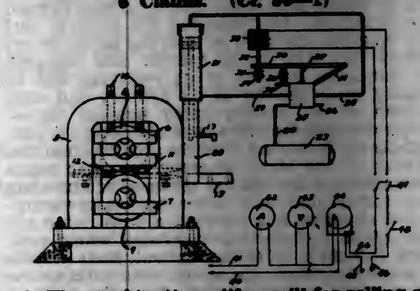
2,116,979
**DRAIN FUNNEL**
George Albert Moller, Chicago, Ill.
Application February 24, 1937, Serial No. 127,441
3 Claims. (Cl. 226—31)



1. A funnel having specially designed pan-like body tapering into a neck on one side for horizontally emptying, with screw connection, to fit containers such as the two, two and one-half and five gallon cans in which lubricating oil is sold to the retail trade, attached to the neck by means of swivel joint, to be screwed onto such container for draining oil from automobile crankcases, transmissions or differentials.

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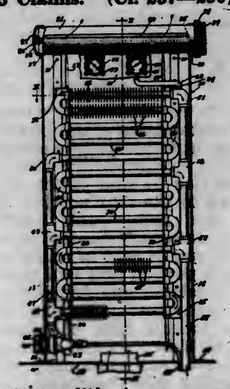
2,116,980
**AUTOMATIC SCRAPER FOR STRIP METAL STOCK**
Fred H. Naish, Birmingham, Ala., assignor to Connors Steel Company, a corporation of Delaware
Application June 28, 1937, Serial No. 150,741
6 Claims. (Cl. 80—1)



1. The combination with a mill for rolling strip stock of an automatic scraper mounted adjacent to and on the receiving side of the mill, an electrical power circuit for the mill drive comprising a load relay, a secondary circuit controlled by said load relay responsive to the presence or absence of stock between the mill rolls, an electromagnetically controlled valve means responsive to said secondary circuit, and fluid pressure means controlled by said valve means and adapted to apply the scraper to strip stock entering the mill pass and to set the scraper for admission of fresh stock to the mill, and a load relay in the mill drive circuit adapted to control the secondary circuit and set the scraper in operating position as soon as the stock enters, and during its traverse of, the mill roll pass.

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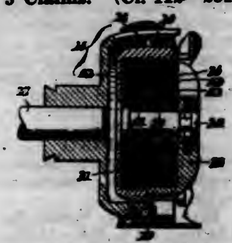
2,116,981
**AIR CONDITIONING EVAPORATOR UNIT**
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application October 10, 1935, Serial No. 44,359
5 Claims. (Cl. 257—230)



1. In an air conditioning evaporator unit including an elongated rectangular container and tube receiving means on the top of the container, a tube on top of said container rotatably mounted in said tube receiving means with the interior of the tube communicating with the interior of the container, said tube having an elongated slot therein, means to rotate said tube in said tube receiving means for positioning said slot at a desired point, and means for locking said tube against rotation.

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2,116,982
**BOBBIN FOR SEWING MACHINES**
Charles F. Rubel, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application January 4, 1935, Serial No. 419
5 Claims. (Cl. 112—251)
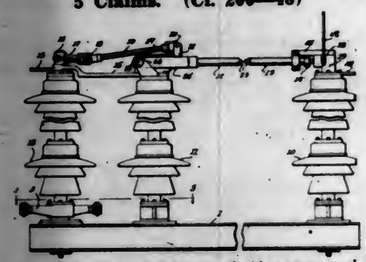


1. A thread carrying bobbin for use in combination with loop taking mechanism of a sew-

ing machine, said bobbin being so proportioned and of such material that the ratio of its initial angular velocity when the contained thread mass starts unwinding to its final angular velocity when the thread is entirely consumed is substantially equal to the ratio of the weight of the bobbin by itself to the combined weight of the bobbin and its initial thread mass.

## 2,116,983
## SWITCH CONSTRUCTION

William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application October 2, 1935, Serial No. 43,207
5 Claims. (Cl. 200—48)

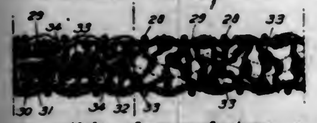


1. A switch comprising a stationary main portion, a switch arm pivotally mounted on said main portion, a reciprocatory movable contact guided and carried by said switch arm, a crosshead connected to the rear portion of said movable contact and reciprocable relative to said switch arm, a stationary contact adapted to receive the outer end of said movable contact, said stationary main portion and said movable switch arm having co-related aligning parts, means independent of said contacts and actuated by said crosshead for locking said co-related parts in alignment until said movable contact has been withdrawn from said stationary contact, and means for moving said crosshead to reciprocate said movable contact and rock said switch arm.

## 2,116,984
## LAMINATED FABRIC

Graham Seddon, Brooklyn, N. Y.

Application November 7, 1934, Serial No. 751,823
2 Claims. (Cl. 154—46)



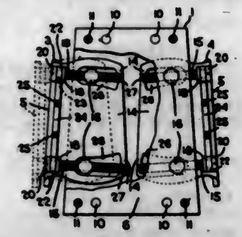
1. As an article of manufacture, a pliable laminated cloth comprising a face cloth easily rendered unsightly, a back cloth, a reinforcing intermediate layer, and an integral porous mass of a stabilized rubber-bearing substance permeating and encasing the intermediate layer, existing as a direct bond through the intermediate layer between the face and back cloths under conditions whereby said face and back cloths are not impregnated or penetrated by the rubber-bearing bond to be otherwise marred thereby.

## 2,116,985
## SKI BINDING

Goldwin S. Sprague, Newton, Mass.; Isabel D. Sprague, Newton, Mass., executrix of Goldwin S. Sprague, deceased

Application May 1, 1937, Serial No. 140,174
9 Claims. (Cl. 280—11.35)

1. A ski binding comprising a base member adapted to be secured to the ski, a pair of toe irons, adjusting screws carried by the toe irons, and nut members carried by the base with which the adjusting screws have screw-threaded engagement, each nut member being capable of turning in the base about an axis at right angles to that of the corresponding adjusting screw.



## 2,116,986
## PHONOGRAPH RECORD

Harold F. Stose, Haddonfield, N. J., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

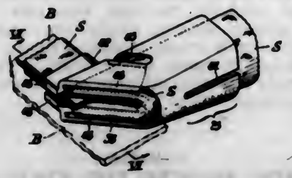
No Drawing. Application November 30, 1932, Serial No. 645,091
4 Claims. (Cl. 106—1.5)

1. A phonograph record composed essentially of a polymerized vinyl resin having a filler of diatomaceous earth incorporated therein.

## 2,116,987
## SEWING MACHINE

Charles S. Thompson, Elmhurst, and Frank A. Kucera and Albert S. Riviere, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application March 4, 1936, Serial No. 67,028
2 Claims. (Cl. 112—147)



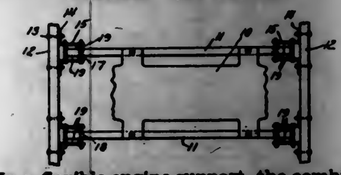
1. A folder for longitudinally folding a binding strip of knitted material or the like and continuously guiding it to the stitch-forming instrumentalities of a sewing machine with its fold margins lapping opposite sides of a concurrently fed body fabric, said folder having means beyond its receiving end for removing the natural curl at the edges of the strip so that the latter enters perfectly flat, and being tubular and mergent from flat cross section at its receiving end to U-shaped cross section at its delivery end with provision of an uninterrupted passage therethrough whereof the transverse dimension is substantially uniform and slightly greater than the thickness of the strip, whereby the strip edges are maintained flat during traverse of the strip in the folder, and said folder having inwardly-directed opposing lips forming a constricted slit mouth at its U-shaped delivery end which constrains the strip folds throughout their widths and precludes reforming of the edge curls as the strip emerges and is applied about the edge of the body fabric.



## 2,116,988
## FLEXIBLE ENGINE SUPPORT

Glenville S. Tremaine, Westfield, N. J., assignor to Electric Boat Company, Bayonne, N. J., a corporation of New Jersey

Application May 5, 1934, Serial No. 724,007
4 Claims. (Cl. 248—10)

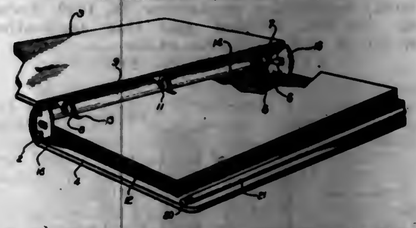


1. In a flexible engine support, the combination of a supporting member, a pair of spaced angle-iron brackets each having one leg secured to said member and the other leg extending outwardly from the member at substantially a right angle thereto and in opposed parallel relation to the corresponding leg of the other bracket, said brackets being adjustable bodily along the member with respect to each other, a supported member including the engine having opposite vertical surfaces substantially perpendicular to said supporting member and interposed between the outwardly extending legs of the brackets, and a pad of resilient material compressed between the inner surface of each bracket and the corresponding vertical surface of the supported member and frictionally engaging the said surfaces for sustaining the weight of the engine in shear.

## 2,116,989
## LOOSE LEAF BINDER

Paul O. Unger, Glen Ellyn, and Fred D. Wedge, Lombard, Ill., assignors to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts

Application November 26, 1934, Serial No. 754,786
2 Claims. (Cl. 129—1)



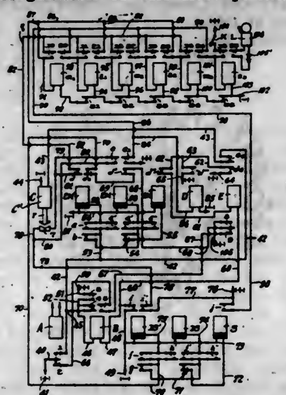
2. In a loose leaf binder, a plurality of sectional arch members, a plurality of wires cooperating with said arch members to retain folded sheets in the binder, and a pair of triggers at opposite ends of the binder, said triggers being adapted to prevent accidental longitudinal displacement of said wires and operable to open said sectional arch members.

## 2,116,990
## SELECTOR APPARATUS

Yoshito Watanabe, Kimukake-cho, Suma-ku, Kobe, Japan

Application December 27, 1935, Serial No. 56,321
In Japan March 27, 1935
1 Claim. (Cl. 177—353)

In a signal receiving apparatus, a master impulse receiving relay having a normally closed circuit closer and a normally open circuit closer, a control relay, circuit connections between said normally open circuit closer and the control relay including a normally closed circuit closer, a set of primary delayed action relays including a first primary relay and a plurality of successive primary relays including second and third primary relays, said plurality of relays including normally closed circuit closers each associated with a respective relay to open upon energization thereof, said last mentioned circuit closers being connected in series between the normally open circuit closer of the master relay and the first primary relay, each of said primary relays except the last including a normally open circuit closer closed by the energization of the respective relay to establish a circuit through the next succeeding relay, means actuated by the energization of each of the plurality of primary relays to establish a holding circuit through the energized relay, a pair of supplemental relays including first and second supplemental relays, means to establish a circuit through the first of said supplemental relays including a normally open circuit closer associated with the second of the primary relays and closed upon energization thereof, said first supplemental relay including a circuit closer in series connection to the winding of the second supplemental relay, said series connection including a normally closed circuit closer opened during energization of the first primary relay,



means to establish a holding circuit through the second supplemental relay and including a normally open circuit closer closed upon energization of the second supplemental relay, a series of delayed action space relays including a first space relay and a plurality of other space relays, said plurality of space relays including normally closed circuit closers each associated with a respective relay to open upon energization thereof, said last mentioned circuit closers being connected in series between the normally closed circuit closer of the master relay and the first space relay, said connection including in series a normally open circuit closer closed by energization of the control relay and normally closed circuit closers opened respectively by energization of the second supplemental relay and the second and third primary relays, each of said space relays except the last including a normally open circuit closer closed by energization of the respective relay to establish a circuit through the next succeeding relay, means actuated by the energization of each of the plurality of space relays to establish a holding circuit through the respective space relay, the circuit of the second supplemental relay including a normally closed circuit closer opened by energization of the third space relay, a set of alternately arranged sec-

ondary impulse and space relays, a branch from the circuit of the first supplemental relay to the first relay of the secondary set, a normally open circuit closer for each relay of said secondary set, each of the last mentioned circuit closers except the last being connected in series to the next succeeding relay of the set, said last mentioned circuit closers except the last of the set being connected in multiple, a normally open circuit closer closed by the energization of the first relay of the first space set, means to establish holding circuits in the secondary relays each including a normally open circuit closer closed by the energization of the respective relay, each of said secondary relays except the first including a normally closed circuit closer opened by the energization of the respective relay, said last circuit closers being arranged in series and having the relays connected in multiple thereto, and an alarm device including the first mentioned circuit closer of the last relay of the secondary set, an alarm and a current source connected in series.

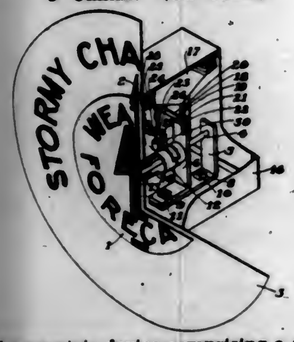
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2,116,991

## BAROMETRIC DEVICE

Cornelius B. Watson, Winnetka, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application June 7, 1934, Serial No. 729,469
8 Claims. (Cl. 73—4)




5. A barometric device comprising a stationary board, a rotatable panel adapted to coact with said stationary board to indicate atmospheric conditions, said rotatable panel being mounted on a shaft, an aneroid, an arm pivotally mounted adjacent one end, means connecting said aneroid to said arm intermediate the ends thereof whereby to reciprocate said arm by means of said aneroid, flexible bands fastened at one end to the other end of said arm at least two of said bands being wrapped about said shaft in opposite directions and fastened at the other end to said shaft.

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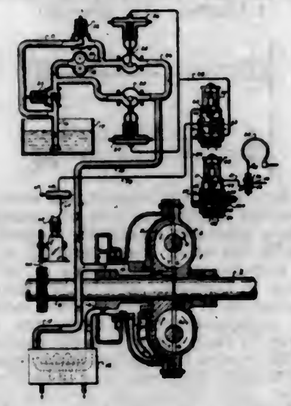
2,116,992

## CONTROL SYSTEM

Harry E. Weaver, South Euclid, Ohio, assignor to Bailey Meter Company, a corporation of Delaware

Application June 19, 1935, Serial No. 27,425
24 Claims. (Cl. 60—54)

1. In combination with a hydraulic coupling having an input and an output shaft and containing a volume of fluid, means to vary the volume of fluid to produce a desired coupling output, comprising a movable member having a neutral position, means for producing a first fluid pressure in accordance with the rate of displacement and the amount of displacement of said member from the neutral position, means for producing a second fluid pressure in accordance with the speed of the output shaft of the hydraulic coupling, means for producing a third



fluid pressure in accordance with the difference between the first and second fluid pressures, and means for regulating the volume of fluid in the hydraulic coupling in accordance with the third fluid pressure.

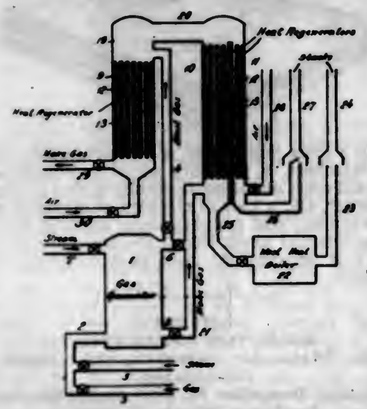
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2,116,993

## PROCESS FOR THE PRODUCTION OF HYDROGEN

Dwight C. Bardwell, Syracuse, N. Y., and Frank Porter, Prince George County, Va., assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York

Original application September 25, 1930, Serial No. 484,268. Divided and this application March 10, 1936, Serial No. 68,040
8 Claims. (Cl. 23—212)




1. In a process for decomposing hydrocarbons at high temperatures, the steps which comprise passing the hydrocarbons upwardly through an increasingly heated refractory mass, and then passing said gases downwardly through a decreasingly heated refractory mass.

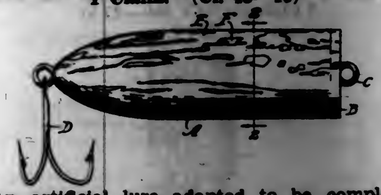


2,116,994

## FISH LURE

Paul S. Bear, Elkhart, Ind., assignor to James Hedden's Sons, Dowagiac, Mich., a corporation of Michigan

Application July 9, 1936, Serial No. 89,895
1 Claim. (Cl. 43—46)



An artificial lure adapted to be completely submerged when in use and having an undecorated body surface and a hook connected thereto, said body comprising a translucent partially opaque material with the opaque portions thereof incorporated therein and cooperating with adjacent portions of the body to produce by the passage of light through the body at various places a mottled surface appearance corresponding substantially to that of a live minnow submerged in water.

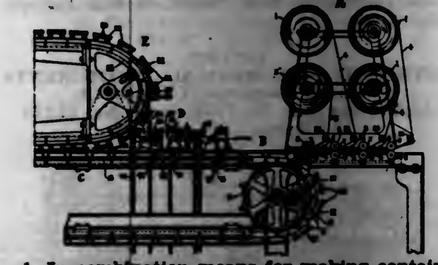
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2,116,995

## PACKAGING MACHINE

Frederick E. Bickford, Rye, N. Y.

Application September 21, 1934, Serial No. 744,928
20 Claims. (Cl. 93—3)



1. In combination means for making containers and packaging goods with a sheet of packaging material, means for moving said sheet along a path, means for applying reinforcing and tearing strips to said sheet, means for making transverse incisions in said sheet, means for applying transverse strips to said sheet to strengthen the edges next to said incisions, means for turning up said strengthened parts and the lateral edges of the sheet, means for fastening the same in their upturned position to form a tray shaped container, means for filling said container, means for folding the lateral edges thereover, and means for sealing a top sheet on said container.

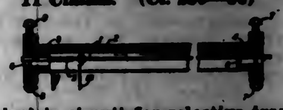
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2,116,996

## VARIABLE TUNED CIRCUITS

Arthur B. Crawford, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 17, 1935, Serial No. 22,037
11 Claims. (Cl. 250—36)



1. An electric circuit for selective transmission of oscillations of a given frequency comprising a section consisting of coaxial-type conductors of a length substantially equal to an integral number of quarter wave-lengths at the given oscillation frequency, and means for adjustably varying the distance between the centers of the conductors at one point in their length while maintaining it substantially constant at another point whereby the anti-resonance frequency of the section for electrical waves impressed upon its conductors at one end of the section may be varied at will.

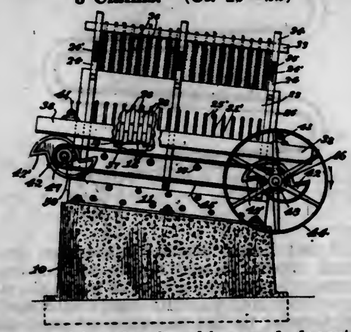
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2,116,997

## MACHINE FOR BREAKING AND DECORTICATING BAST FIBERS

David E. De Lape, Pasadena, Calif.

Application March 17, 1937, Serial No. 131,383
8 Claims. (Cl. 19—22)



1. A machine for breaking and decorticating bast fibers, comprising an inclined stationary floor provided with a plurality of teeth arranged transversely to the movement of the material to be treated, a feeding chute for delivering material to the floor and a delivery chute conveying treated material from the floor, a stationary beater guide frame above the floor and provided with a series of guide slots, a series of beaters separately mounted for independent downward movement and adapted to strike the floor and mounted for slidable movement in the guide slots, each beater being provided with a pair of fingers laterally projecting from opposite sides of the guide frame, separate spring means connected to each beater and mounted in the guide frame and tending to move the beaters toward the floor, a pair of vertically reciprocating operating bars arranged on opposite sides of the guide frame and engaging the lower side of the fingers, cam members to move the operating bars upwardly against the tension of the springs, said cams being so constructed as to permit a quick-return movement of the operating bars by the spring means to force the beaters with a striking blow against the floor.

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2,116,998

## REFRIGERATION

Bo Karl George Ehnbom, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware

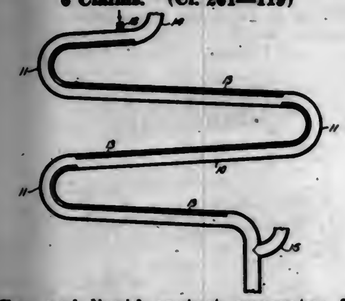
Application June 22, 1936, Serial No. 86,596
In Germany June 24, 1935
21 Claims. (Cl. 62—119.5)



12. Absorption refrigeration apparatus having a circuit for gas including a conduit having a

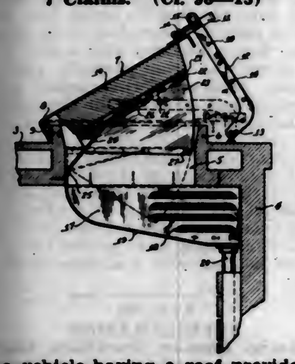
depending ceiling for continuous downward flow of liquid therethrough in the presence of said gas along the top as well as the bottom parts thereof, means for introducing liquid into said conduit, and means to direct flow of liquid onto a top part of the conduit.

**2,116,999**
**REFRIGERATION**
**Carl T. Ashby, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware**
**Application January 7, 1936, Serial No. 57,877**
**6 Claims. (Cl. 261—119)**



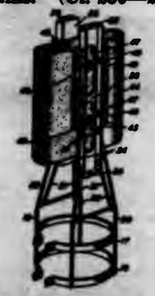
1. Gas and liquid contact apparatus for refrigeration apparatus including a coil having inclined straight portions and bent portions, structure for introducing gas and liquid into said coil for flow thereof in the presence of each other, and capillary means within the coil secured to the inner wall of said coil at each of said bent portions and to the upper wall of the straight portion immediately therebelow.

**2,117,000**
**CAR VENTILATOR**
**Horace Giddings, San Francisco, Calif.**
**Application December 21, 1936, Serial No. 116,858**
**7 Claims. (Cl. 98—13)**



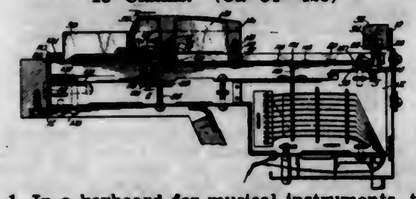
7. In a vehicle having a roof provided with a hatch, a hinged cover therefor, means for supporting said cover in inclined open position to direct air into said hatch, a pair of spaced wings hinged to said cover and extending downwardly into said hatch, a movably mounted deflector plate extending across the hinge of said cover and lying between said wings when the cover is in inclined position, said plate moving out from between said wings when the cover is inverted upon the roof of the vehicle, and means connected with said wings for causing them to fold down flat upon said cover when the latter is inverted.

**2,117,001**
**ELECTRON DISCHARGE DEVICE**
**Douglas A. S. Hale and Victor L. Ronci, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application January 9, 1936, Serial No. 58,317**
**7 Claims. (Cl. 250—27.5)**



1. An electrode unit for an electron discharge device including an output electrode of a homogeneous mass having parallel integral flanged portions projecting outwardly from the surface thereof, a metallic channel support extending between said flanged portions having the side walls thereof contiguous with said flanged portions, wire pins extending through said flanged portions and channel side walls, and means locking said wire pins together to prevent movement of said output electrode with respect to said channel support.

**2,117,002**
**KEYBOARD FOR MUSICAL INSTRUMENTS**
**Laurens Hammond, Chicago, Ill.**
**Application July 18, 1936, Serial No. 91,283**
**15 Claims. (Cl. 84—423)**



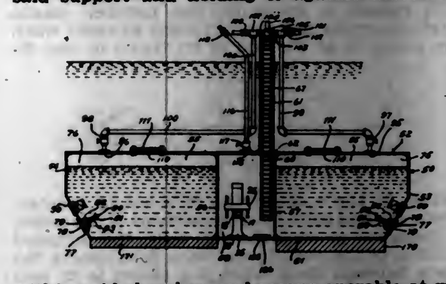
1. In a keyboard for musical instruments, the combination of a plurality of keys, a key bar secured to each of said keys and having a pair of spaced downwardly projecting portions, a common fulcrum member for a plurality of said keys, a compression coil spring normally pressing the downwardly projecting portions of said key bars against said fulcrum member, the axis of said spring being close to the axis of said fulcrum member and between the downwardly projecting portions of said key bars, means for individually adjusting the tension on said springs, and locking means common to a plurality of said adjusting means.

**2,117,003**
**APPARATUS FOR MAKING GEOPHYSICAL MEASUREMENTS**
**Karl F. Hasselmann, New York, N. Y., assignor, by mesne assignments, to The Salt Dome Oil Corporation, Houston, Tex., a corporation of Delaware**
**Application September 9, 1933, Serial No. 688,754**
**4 Claims. (Cl. 235—1.5)**

1. Apparatus for making geophysical measurements upon areas of the earth's surface covered

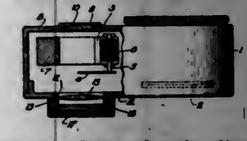


by water which comprises a structure providing a water-tight chamber, a support within and carried by the structure of said chamber, said support being arranged to have mounted thereon a geophysical instrument, means for contacting said support and holding it against movement



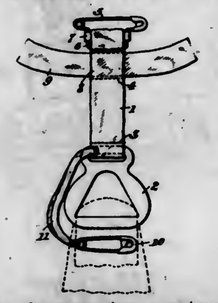
within said chamber, and means operable at will for releasing said support from said contacting means and causing said support to hold said instrument in operating position for different positions of the chamber with respect to the earth's surface.

**2,117,004**
**EXPOSURE METER**
**Hermann Joachim, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany**
**Application December 31, 1936, Serial No. 118,661**
**In Germany November 26, 1935**
**1 Claim. (Cl. 88—23)**



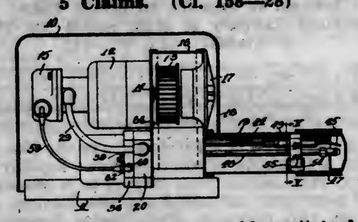
A meter for enabling the simultaneous determination of camera diaphragm stop opening, shutter speed, and polarizer adjustment for a given object-to-be-photographed, comprising a casing having a front wall and a rear wall and having two light-admitting openings in the front wall and one opening in the rear wall which is in alignment with one of the openings in the front wall and constitutes therewith an object-viewing passage, a photo-electric cell and a measuring instrument located within the casing, said cell being mounted behind the second light-admitting opening in the front wall, said measuring instrument having a movable pointer extending into said viewing passage and visible by looking through the viewing passage at the object to be photographed, said measuring instrument also including an adjustment disc at the rear of the instrument, a flange surrounding the first light opening in the front wall of the casing, a rotatably adjustable polarizing means mounted on said flange in alignment with the light opening in the front wall of the viewing passage, means on the instrument for indicating the adjustments thereof, said polarizing means being adjustable by the fingers of one hand of the operator holding the instrument while said adjustment disc may be simultaneously adjusted by the fingers of the other hand of the operator, thereby at one observation of the object to be photographed enabling the user of the instrument quickly to determine all three necessary adjustments, to wit, diaphragm stop opening, shutter speed and polarizer adjustment, for his camera to take the picture of the particular object viewed through the viewing passage of the instrument.

**2,117,005**
**FASTENING DEVICE**
**Rose Krantz, Brooklyn, N. Y.**
**Application February 4, 1935, Serial No. 4,804**
**2 Claims. (Cl. 24—73)**



1. A device for securing a catamenial sack in place, comprising a stirrup having a transverse slot and a fabric-receiving opening in which the end of the fabric is adapted to be bunched, a plurality of the walls of the fabric-receiving opening converging toward each other to pinch a portion of the fabric and a single dependent member having its lower end looped through the transverse opening of the stirrup and having its upper end secured to an article of dress.

**2,117,006**
**CONVERSION OIL BURNER**
**Richard H. Nelson, Moline, Ill., assignor to The Herman Nelson Corporation, Moline, Ill., a corporation of Illinois**
**Application July 24, 1936, Serial No. 92,313**
**5 Claims. (Cl. 158—28)**

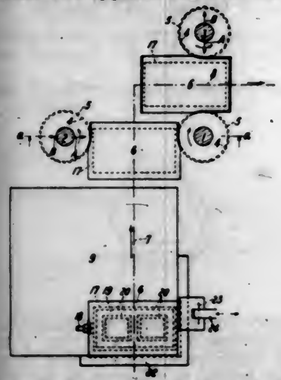


1. In combination, a removable unit including a transformer and electrodes rigidly extending from the secondary thereof, a stationary part having a lead-in conduit connected thereto, cooperating male and female contact elements carried by said unit and part for establishing an electrical connection between said lead-in conduit and the primary of said transformer, and guiding means carried by said unit and part in parallelism with said contact elements to insure straight line movement of said removable unit relative to said stationary part in connection and disconnecting said elements.

**2,117,007**
**MACHINE FOR TRIMMING ELECTROTYPE OR STEREOTYPE PLATES**
**Ian Theodore Nelson and Robert Jack, Edinburgh, Scotland**
**Application November 4, 1937, Serial No. 172,752**
**In Great Britain May 14, 1936**
**3 Claims. (Cl. 29—21)**

1. A machine for trimming the edges of printing plates, including, at a milling station, three

rotary milling spindles spaced apart from one another and adapted to trim four edges of a plate fed through the milling station along a path including two components disposed transversely of one another, whereby two opposed edges of the plate are trimmed simultaneously in the travel of the plate along the first component, and the other two opposed edges of the plate are



trimmed simultaneously in the travel of the plate along the second component, a pneumatic plate-holding clamp against which the plate is held by atmospheric pressure during the edge-trimming operation, a slide upon which the clamp is mounted and which travels along both components of the path of the plate, and a second slide which carries the first-mentioned slide along the second component of the path.

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**2,117,008**
**SUPPORT FOR DREDGING CONDUITS**
**Donald W. Oswalt, Memphis, Tenn.**
**Application January 5, 1938, Serial No. 183,447**
**5 Claims. (Cl. 37—72)**

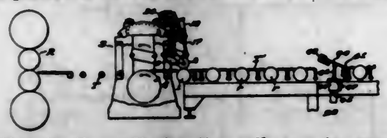


1. A discharge pipe for dredges or the like, comprising a plurality of rigid sections flexibly connected; each said section carried by a plurality of metal pontoons; each said pontoon having, adjacent its two opposite sides, metal beams each respectively seated on the deck of said pontoon and integrally welded thereto, the top of each beam, midway its length, being arcuately cut away conformably to the cross section of said pipe, for substantially more than half said beam depth and having a metal plate curved to conform to the external cross section of said pipe, disposed along said arcuate cut and integrally secured by welding to said beam to form a pipe seat, and a pair of straps disposed over said pipe to secure said pipe to said seat, each said strap having integral bolt ends and being secured by nuts to said beam.

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**2,117,009**
**APPARATUS FOR AND METHOD OF DISPOSING OF CROP ENDS IN STRIP MILLS**
**George F. Paul, Struthers, Ohio**
**Application March 13, 1937, Serial No. 130,685**
**18 Claims. (Cl. 164—68)**

12. In mechanism of the class described, a supporting member providing vertical ways, a yoke slidable in said ways, means for adjusting the position of the yoke therein, a cylinder carried by the yoke, a fluid actuated piston therein and a piston rod extending therefrom, a pair of pinch rolls one of which is journaled for rotation in a fixed position, a pair of arms supporting the other roll and carried by and vertically movable with respect to the supporting member, means interconnecting said rod and arms whereby when the piston is at the end of its travel in one di-



rection in the cylinder the rolls are in greatest proximity and subsequent movement of the piston is operative to separate the rolls, the adjusted position of the yoke in the ways determining the space between them when the piston is in said position, and means interconnected with the yoke and movable in accordance with its movement in the ways affording a visible indication of the width of said space as determined by the adjusted position of the yoke.

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**2,117,010**
**SKI POLE**
**Harry O. Potter, Lake Placid, N. Y.**
**Application August 20, 1936, Serial No. 96,943**
**4 Claims. (Cl. 280—11.37)**



1. A ski pole comprising a hollow metal tube, a rod of wood fitting in said tube and extending substantially from one end thereof to the other, a cross pin retaining said rod in said tube, a spud screwed into the end of said rod and having a shoulder thereon, the lower ends of said rod and tube terminating in the same plane, and a metal washer interposed between said shoulder and said lower ends.

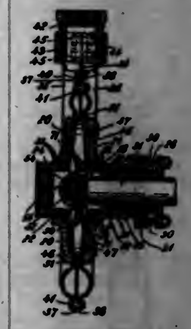
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**2,117,011**
**CENTRIFUGAL PUMP**
**Ward E. Pratt, East Orange, N. J.**
**Application February 27, 1935, Serial No. 8,443**
**6 Claims. (Cl. 103—103)**

1. A centrifugal pump which comprises a casing having two opposed halves each made integrally of sheet material and fastened together at their peripheries and having outwardly extending integrally formed tubular necks near the centers of the respective casing halves, an inlet nipple abutting one casing half and fastened to the respective tubular neck by a friction joint, a packing gland attached to the other casing half by



a friction joint, a rotatable shaft extending through said packing gland, a sheet metal rotor rigidly attached to said shaft by a friction joint and disposed within the casing halves, a tapered



outlet nipple attached to both casing halves adjacent their peripheries by a driven joint, and a sheet metal splitter disposed within the casing halves adjacent the outlet nipple and rigidly attached to one casing half.

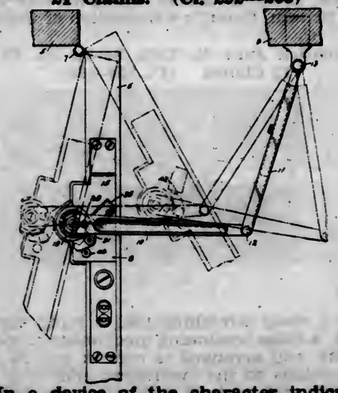
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**2,117,012**
**INSTRUMENT SUPPORTING DEVICE**
**Elmer S. Whittier, Bristol, Conn., assignor to The Cooper Oven Thermometer Company, Plymouth, Conn., a corporation of Connecticut**
**Application May 29, 1937, Serial No. 145,494**
**3 Claims. (Cl. 248—206)**



2. A support for means for indicating atmospheric conditions, comprising an annular casing adapted to enclose such indicating means, an angular bracket with a horizontal leg and a vertical leg, means extending radially of the periphery of said casing and pivotally connecting the casing to the horizontal leg of the bracket and allowing the casing to be rotated on a diametrical axis, and a single flexible suction cup rotatably secured to the vertical leg of the bracket beyond the periphery of said casing, whereby said cup may be attached to a vertical surface and the casing turned on a diametrical axis to face toward or to face away from said surface and revolved about a horizontal axis to a position above or below said cup.

**2,117,013**
**HOLD OPEN DEVICE**
**Benjamin S. Bernhard, Boston, Mass.**
**Application June 25, 1936, Serial No. 87,159**
**21 Claims. (Cl. 292—263)**



1. In a device of the character indicated, a door closer, an arm actuated thereby, a hold open pawl pivoted intermediate its length on one of said members, a pawl abutment carried by the other of said members, whereby when one end of said pawl and abutment are engaged with each other the door will be held open, and means operable upon movement of the door to a wider open position for engaging the other end of said pawl and moving it to an "off" position and holding the same in said "off" position, for a portion of the door closing movement of said parts.

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**2,117,014**
**BUILDING COVERING**
**Elam L. Black, Chicago, Ill., assignor to Edward Roscoe Black, James E. Black, and Elam L. Black, a copartnership doing business as Black Systems, Chicago, Ill.**
**Application February 11, 1937, Serial No. 125,235**
**15 Claims. (Cl. 108—33)**



6. An anchorage-covering strip comprising an elongated substantially flat body portion, and a series of flaps hinged thereto along its opposite edges, the flaps along one edge being staggered with respect to the flaps along the other edge so that when the flaps alternately from opposite sides of the body portion are successively swung to overlie the body portion each flap will overlap a portion of one flap from the other side and be partly overlapped by another flap from the other side.

2,117,015

## STRAP STRETCHING TOOL

Harrison C. Bristoll, New Britain, Robert V. Sanford, Hartford, and Howard C. Doolittle, New Britain, Conn., assignors to The Stanley Works, New Britain, Conn., a corporation of Connecticut

Application June 25, 1936, Serial No. 87,144
12 Claims. (Cl. 254—66)



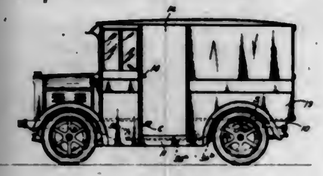
1. In a strap stretching tool, a strap supporting foot, a strap tensioning mechanism associated therewith and arranged to exert a pull in opposite directions on the overlapped ends of a binding strap, and a strap supporting member adjustably connected to said foot, said member having a laterally projecting arm cooperating with the foot in maintaining a short portion of the overlapped strap ends spaced from an article being banded.

2,117,016

## CONTROL MECHANISM FOR AUTOMOTIVE VEHICLES

Andrew K. Brumbaugh, Cleveland, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a corporation of Ohio

Application July 29, 1932, Serial No. 625,857
8 Claims. (Cl. 192—.01)



1. In an automotive vehicle, the combination comprising, an engine and a throttle therefor, wheel and propeller shaft brakes, a manually operable lever for regulating the throttle and actuating said brakes, and linkage mechanism operatively connecting said lever with said throttle and the brakes, the linkage mechanism connecting said lever with said brakes embodying a lost motion device to permit a range of throttle control without affecting the braking action.

2,117,017

## TOOL FOR MANIPULATING ELECTRIC LAMP BULBS

George R. Chadsey, East Hampton, Conn.

Application December 1, 1937, Serial No. 177,422
7 Claims. (Cl. 294—20)

1. A tool for manipulating electric lamp bulbs and comprising a shank having a hole extending inwardly from each end, a bell-shaped gripper at one end of said shank, a broken bulb remover at the opposite end thereof, and a handle having a



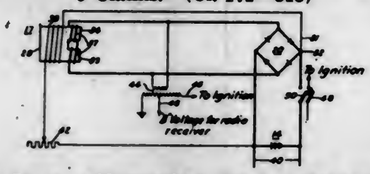
pin formed for insertion in either end of said shank.

2,117,018

## BATTERY-CHARGING SYSTEM

Frank Conrad, Wilkinsburg, Pa., and Gilbert C. Goode, Birmingham, Mich., assignors of one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania, and one-half to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application March 4, 1936, Serial No. 67,056
9 Claims. (Cl. 171—313)




2. In a self-propelled transportation-device having a prime mover, and propelling-means energized from said prime mover, a commercially practicable combination including a rotating shaft deriving power from said prime mover, a rotor-member carried by said shaft, said rotor-member having an annular toothed portion of magnetizable material, a stator-member having a portion thereof spaced from the annular toothed portion of the rotor-member by an air gap, said portion of the stator-member being also toothed and of magnetizable material, said toothed portion of the stator-member spanning considerably less than the entire periphery of the rotor-member, means associated with said stator-member for, at times, applying thereto a substantially constant magnetomotive force for producing a flux which interlinks with the spanned portion of the rotor-member, the relative spacings of the stator-teeth and the rotor-teeth being such as to cause pulsations of the flux in said stator-teeth as the rotor-teeth pass under them during the rotation of the rotor-member, an alternating-current winding so disposed on the stator-teeth as to produce a resultant alternating voltage dependent upon said tooth-flux pulsations, whereby the alternating voltage and frequency are both approximately proportionate to the speed, the number of rotor-teeth being sufficiently high, at least as high as a number of the order of 18, so that said alternating-current winding delivers



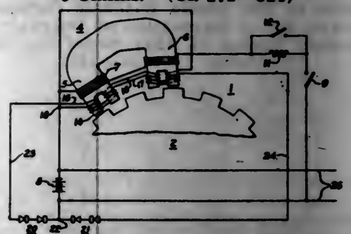
alternating current at a frequency sufficiently high to permit the use of a relatively small-span stator-member, the armature reaction of the alternator being sufficiently predominant to cause the alternating-current output to be at an approximately constant current under said approximately constant-flux excitation at all speeds of the prime mover higher than a speed corresponding to a low cruising speed of the transportation-device, rectifier-means for converting said approximately constant alternating current into approximately constant direct current, a direct-current electrical circuit for auxiliary purposes, a storage battery floating across said direct-current circuit, and means for connecting the direct-current output-terminals of said rectifier-means to said battery.

2,117,019

## DOUBLE-WINDING GENERATOR AND RECTIFIER COMBINATION

Frank Conrad, Wilkinsburg, Pa., assignor of one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania, and one-half to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application June 20, 1936, Serial No. 86,363
6 Claims. (Cl. 171—314)



6. In combination, an alternating-current generator comprising an armature member having a magnetizable core and two similar armature-windings each having a plurality of coils similarly disposed on a plurality of different portions of said core, each of said core-portions carrying a coil of both of said windings, and a serial connection for said windings of such nature that each of said portions of the armature-core is magnetically reacted upon by two similar, serially connected portions of the two windings, respectively; two half-wave rectifiers serially connected in opposition; load-circuit terminal-connections connected to the midpoints of the windings and rectifiers, respectively; and connections between the end-terminals of the rectifiers and the respective end-terminals of the windings.

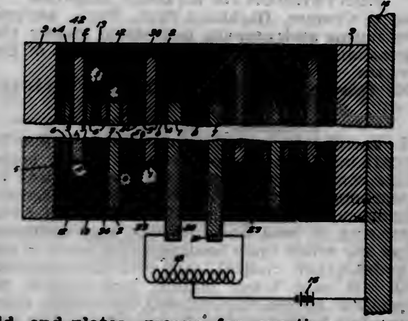
2,117,020

## COPPER-OXIDE RECTIFIER

Frank Conrad, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 30, 1937, Serial No. 166,606
13 Claims. (Cl. 175—366)

1. A plate-type rectifier of the type in which asymmetric conductivity is obtained between the contacting flat surfaces of two dissimilar sheet-like materials, characterized by a plurality of cells of such pairs of dissimilar sheet-like materials having asymmetrically conducting flat contact-surfaces, said plurality of cells being stacked flatwise in a compact stack, with insulating sheets between at least some of said cells, the length and breadth of each contact-surface being large with respect to the overall thickness of the stack of cells, a heavy, substantially rigid end-plate of good thermal and electrical conductivity at each end of the stack, terminal-connection means extending laterally from a point in said cells insulated from, and between, the



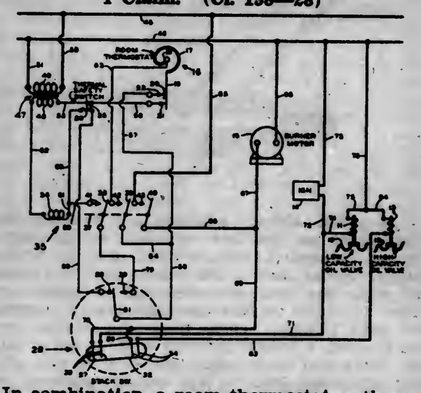
said end-plates, means for exerting a strong clamping-pressure between the two end-plates at points removed from said terminal-connection means, and a substantially watertight sealing-medium of relatively poorer heat-conducting qualities for protecting the parts between said end-plates against the entrance of moisture.

2,117,021

## EXPANDING FLAME OIL BURNER SYSTEM

Lester D. Cotea, Dayton, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 28, 1934, Serial No. 722,907
1 Claim. (Cl. 158—28)



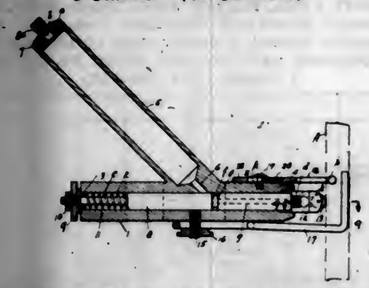
In combination, a room thermostat, a thermal safety switch including an electric heating element, a relay coil, a control switch and a load switch closed thereby when energized, first cold and hot combustion responsive switches overlappingly controlled upon a rise in the temperature of combustion, an energizing circuit for said relay coil and heating element in series including said room thermostat, safety switch and first cold combustion responsive switch, a holding circuit for said relay coil including said room thermostat, first hot combustion responsive switch, and said control switch, a burner motor, ignition means, a low capacity fuel valve, second hot and cold combustion responsive switches, circuit connections controlled by said load switch and second cold switch for energizing said low capacity

valve and said ignition means, an energizing circuit for said burner motor controlled by said load switch, a high capacity fuel valve, and an energizing circuit therefor controlled by said load switch and said second hot switch.

2,117,022
**CONVERSION OF HYDROCARBONS**
Paul L. Cramer, Highland Park, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application January 4, 1934, Serial No. 705,237
8 Claims. (Cl. 196—10)

1. The process of producing higher boiling hydrocarbons from hydrocarbons of lower boiling points comprising heating said lower boiling hydrocarbons in the liquid phase in the presence of a hydrocarbon compound of a metal of the class consisting of lead and mercury, said compound being one which upon heating decomposes to yield a hydrocarbon radical, said radicals combining with the said lower boiling hydrocarbon and promoting polymerization and conversion thereof to yield higher boiling hydrocarbons, the temperature of the reacting mixture being sufficient to effect liberation of hydrocarbon radicals from said compound and below that at which material cracking effects will occur.

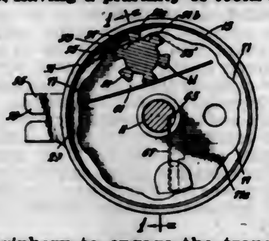
2,117,023
**AUTOMATIC PAINT STRIPER**
Karl V. Ekiov, Detroit, Mich.
Application June 24, 1937, Serial No. 150,127
5 Claims. (Cl. 91—62.6)



1. A paint striper adapted for making fine stripe lines on painted surfaces, comprising a straight elongated casing section provided with a plunger recess nearly the entire length thereof and with one open recessed end, a paint container provided on the top casing wall, opening into said plunger recess near the central section thereof, a hollow plunger with annular inlet side ports and detachable end striping nib, slidably mounted within the casing plunger recess, a plunger restraining spring mounted within the casing recess beneath the plunger for adjusting the plunger position and ejecting the striping nib from the casing end opening, said plunger annular side ports being positioned to coincide with the paint container port opening when the plunger is slightly depressed against the restraining spring.

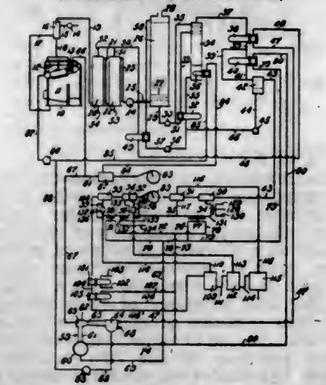
2,117,024
**ODOMETER**
Ralph O. Heigeby and Henry H. Harada, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 8, 1936, Serial No. 73,270
5 Claims. (Cl. 235—144)

1. In an odometer, a first figure wheel, a second figure wheel, a transfer pinion therebetween, the second figure wheel having an annular series of teeth to engage the transfer pinion, the first figure wheel having a plurality of teeth at one part



of its periphery to engage the transfer pinion, the first figure wheel having a ledge formed with a series of circumferentially distributed grooves, and the transfer pinion having tooth extensions to contact said grooved ledge.

2,117,025
**METHOD OF AND APPARATUS FOR PRODUCING CARBON DIOXIDE**
Franklin B. Hunt, Jabez H. Pratt, Henry S. Tirrell, and Robert L. Turner, Chicago, Ill., assignors to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application August 24, 1933, Serial No. 686,486
8 Claims. (Cl. 62—121)



5. A method of converting carbon dioxide from its gaseous phase, which includes the steps of passing gaseous carbon dioxide through a series of cumulative compressions, and cooling the carbon dioxide, after each compression step, first by heat exchange at substantially natural temperatures and then by heat exchange with successive charges of an artificially cooled liquid circulating medium, the final cooling step effecting a phase change in the carbon dioxide.

2,117,026
**LEVELING SKID**
James H. Kennedy, Lansdowne, Pa., assignor to Morgan Concentrating Corporation, Philadelphia, Pa., a corporation of Delaware
Application December 16, 1936, Serial No. 116,094
9 Claims. (Cl. 188—32)

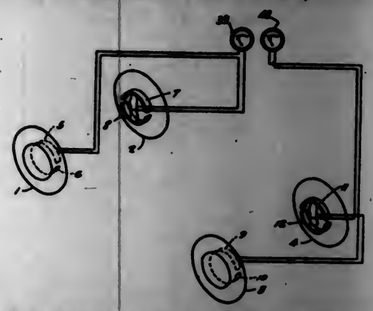
1. In a device for holding a machine in a desired position with respect to the ground or a floor, a bed member adapted to rest on the floor, cam tracks on said bed member, cam discs pivotally mounted on said bed member and cooperating with said cam tracks, means associated with said cam discs for receiving the machine and co-



operating with the machine, so that the machine may be held in the desired position.

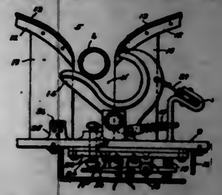


2,117,027
**BRAKE INDICATING AND TESTING DEVICE**
Harold W. Langbein, Los Angeles, Calif.
Application December 9, 1935, Serial No. 53,587
3 Claims. (Cl. 73—141)



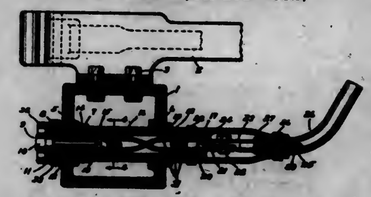
2. In a device for indicating brake equalization for a pair of brakes on a vehicle, a thermo-couple associated with each brake, said thermo-couples being in a common series circuit and connected in opposing relationship, and an indicator in circuit with the thermo-couples to indicate the direction and magnitude of the current flowing in said circuit, thereby giving a comparison between the temperatures existing at the brakes due to a brake application.

2,117,028
**TROLLEY DEVICE**
Ernst A. Larsson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Original application August 17, 1935, Serial No. 36,699. Divided and this application February 12, 1937, Serial No. 125,457
6 Claims. (Cl. 191—85)



1. A trolley pole guide and hold-down device comprising a structure formed with a slot and inward and downward sloping edges to guide a trolley pole into said slot, resilient non-metallic means mounted on said sloping edges to be contacted by the trolley pole, hooked means pivotally mounted to move to two positions, one position to hold the trolley pole in its lowered position and the other to release the pole and spring means to hold the hook in either position, the hook movable to its holding position by pressure thereon of the trolley pole as moved to its lowered position, manually operated means to move the hook to its releasing position in which it is held until moved to its holding position by the pole.

2,117,029
**ELECTRIC CONNECTER**
Ernst A. Larsson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application February 16, 1937, Serial No. 126,012
4 Claims. (Cl. 173—332)

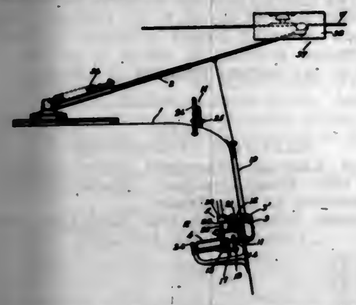


1. An electrical connecting device comprising a metallic support having a front and a rear wall and registering openings through the walls, an insulating bushing extending through one opening, a second insulating bushing extending through the other opening and held in position by a bushing threadedly secured in the said other opening, the last said bushing holding the said second bushing against longitudinal movement in one direction and the said second bushing holding the said first bushing against longitudinal movement in the same direction and the first bushing held against longitudinal movement in the other direction by the support, the first bushing forming an apertured opening within the second bushing, a cable connecter secured to the rear end of the said second insulating bushing against longitudinal movement in either direction, a reciprocating contactor mounted in the first said bushing and projecting into the said second bushing, means on the reciprocating contactor and engaging the said shoulder of the first bushing to limit movement of the contactor in one direction, and a spring yieldingly holding the contactor in its advance position, flexible means within the second bushing electrically connecting the cable connecter and the contactor, the first and second bushing insulating the conductors from the support and means to suspend the support from a car.

2,117,030
**TROLLEY POLE TENDER**
Ernst A. Larsson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application April 16, 1937, Serial No. 137,227
26 Claims. (Cl. 191—85)

10. In combination, a vehicle, a trolley pole mounted thereon, a pole tender mounted on the vehicle and having a winding drum rotatable in two directions, means connecting the drum and pole, a motor provided with a field and an armature to be operatively connected to the drum when the motor is energized to rotate the drum in a winding direction to lower the pole, means to hold the pole in its lowered position, means to operatively connect the drum to the motor armature whereby the armature may be rotated by the drum, means under control of the operator to

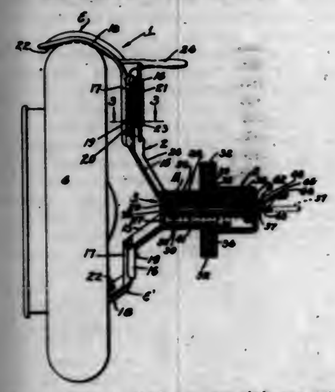
release the pole and simultaneously make the said connection of the drum to the armature to rotate



the armature and check the rate of rotation of the drum in an unwinding direction.

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**2,117,031**
**BRAKE TESTING DEVICE**
**Yervant Lion, Fresno, Calif.**
**Application April 2, 1934, Serial No. 718,657**
**21 Claims. (Cl. 265—1)**

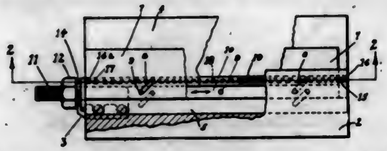


1. A brake testing device comprising a support; means for securing the support to a wheel; a member movable in two directions on the support to occupy two extreme positions; means for biasing the member to one extreme position; manually operable means for moving said member toward the other extreme position against the action of said biasing means; means slidable through said member for visibly indicating the degree of movement of the member toward the said other extreme position; and means for releasably securing said indicating means in an indicating position.

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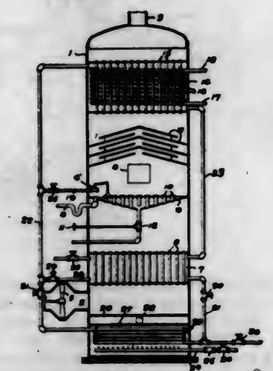
**2,117,032**
**DOCTOR MECHANISM FOR ROLLS AND CYLINDERS**
**Frederick W. Lodding, Worcester, Mass.**
**Application July 17, 1935, Serial No. 31,872**
**4 Claims. (Cl. 92—74)**

1. In a device of the class described, a thin flexible blade providing a straight scraping edge, a holder for pivotally supporting said blade with said edge parallel to the axis of a rotating surface with which the edge engages, a member of greater stiffness than said blade carried by said holder for engaging the surface of said blade intermediate its edges, and means for shifting said blade engaging member within the holder at right angles to the edges of said blade to vary its zone of engagement with said blade.



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**2,117,033**
**AIR CONDITIONER**
**Louis Lyons, Shreveport, La., assignor of one-fourth to Claude M. Corbett, Shreveport, La.**
**Application March 20, 1936, Serial No. 69,776**
**3 Claims. (Cl. 257—9)**

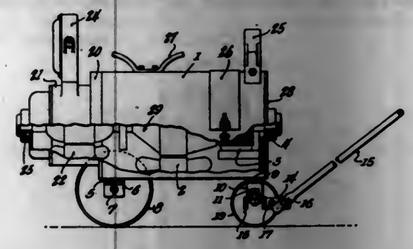


1. The combination in an air conditoner having a casing with an inlet opening in wall near the bottom of said casing, a tube and tank heat exchange unit fixed to the wall of said casing, having vertical tubes passing thru said unit adaptable for air to pass on the inside of said tubes and a liquid surrounding said tubes, a bubble tray positioned above said unit having vertical nipples covered with bubble tray caps adaptable to be emersed in a liquid on said tray, a series of plates above said bubble tray to collect moisture, a primary heat exchange unit above said plates having a plurality of vertical tubes extending thru said unit adaptable for air to pass thru said tubes and a liquid surrounding said tubes, a tubular coil adjacent and around said tubes all as and for the purpose set forth.

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**2,117,034**
**MOTOR GENERATOR TRUCK**
**William J. Oesterlein, Wauwatosa, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin**
**Application June 13, 1935, Serial No. 26,353**
**4 Claims. (Cl. 280—1)**

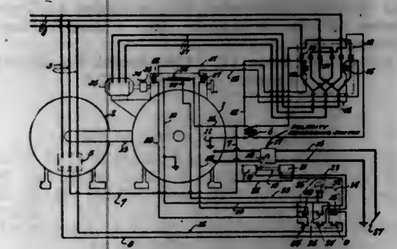
1. In a portable motor generator truck and frame construction, the combination comprising a horizontal generator casing, a fixed axle secured at one end thereof, truck wheels mounted thereon, a pivoted axle secured at the opposite end thereof, truck wheels also mounted thereon, an end plate and bearing support in said generator casing above said pivoted axle, an overhanging motor housing secured at the opposite end of said casing, a bearing mounted thereon, and rotating



parts of a motor generator mounted between said first-mentioned and said last-mentioned bearings.

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**2,117,035**
**WELDING GENERATOR**
**William J. Oesterlein, Wauwatosa, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin**
**Application June 13, 1935, Serial No. 26,354**
**6 Claims. (Cl. 171—221)**

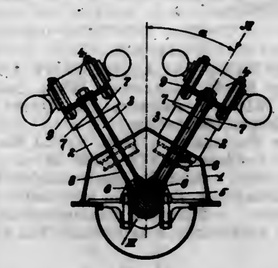


1. In an electric generator for electric welding, the combination comprising a generator having a field and brushes angularly shiftable with respect thereto, a motor for driving said generator, electrically energized means for stopping and starting said motor, motor-driven means for shifting said brushes, a portable mounting carrying means for stopping, starting, and reversing said motor-driven brush-shifting means, controllable means also borne by said portable mounting for energizing said motor-stopping and starting means, transmitting means for a remote indicating apparatus cooperatively arranged with respect to said brushes to be actuated by the shifting thereof, and receiving means for said remote position-indicating apparatus mounted upon said portable mounting.

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**2,117,036**
**ENGINE FRAME**
**Gustav Pielstick, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany, a corporation of Germany**
**Application October 23, 1935, Serial No. 46,377**
**In Germany November 3, 1934**
**7 Claims. (Cl. 121—194)**

1. An engine frame of the character described comprising a series of engine cylinders, a crankshaft bearing, cylinder supporting means between the cylinders and the bearing, and tension rods



having a pivotal connection to said bearing between the cylinder axes and securing said cylinders to said bearing.

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**2,117,037**
**PREPARATION OF CELLULOSE XANTHATE SOLUTION**
**George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine**
**No Drawing. Application January 10, 1936, Serial No. 58,539**
**9 Claims. (Cl. 260—100)**

1. A process of preparing cellulose xanthate solution from sheets of cellulose fiber, which comprises cutting the sheets into chips consisting of fiber aggregates, soaking the chips with caustic soda solution of mercerizing activity to soften and swell them and to associate with the fiber the caustic soda desired in the finished xanthate solution, disintegrating the softened chips to form a fiber suspension in caustic soda solution substantially devoid of fiber aggregates, said last-named solution containing caustic soda solution furnished by the solution of mercerizing activity and being in amount and in concentration calculated to yield a finished xanthate solution of a cellulose and caustic soda content each falling within the range of 6% to 10%, and adding carbon bisulphide to said suspension and mixing the ingredients for a sufficient period of time to cause them to react substantially to completion to yield the desired cellulose xanthate solution.

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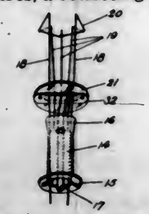
**2,117,038**
**PROCESS OF MAKING CELLULOSE XANTHATE SOLUTIONS**
**George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine**
**No Drawing. Application February 3, 1937, Serial No. 123,850**
**4 Claims. (Cl. 260—100)**

1. A process of making cellulose xanthate solutions involving the reaction of cellulose fiber, caustic soda solution, and liquid carbon bisulphide, which comprises confining a mass of cellulose fiber in the form of pulpboard chips, sheet fragments, or other fiber aggregates in a closed mixing vessel, evacuating air from the vessel, mixing caustic soda solution with the mass in the evacuated vessel to effect a substantially uniform impregnation and softening of the fiber aggregates with the solution and finally a disintegration of such aggregates into a smooth fiber suspension substantially free from aggregates in the caustic soda solution, and mixing liquid carbon bisulphide with the resulting fiber suspension

until the fiber has been substantially completely xanthated and dissolved to yield a solution of cellulose xanthate.

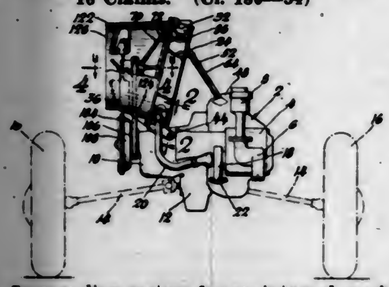
2,117,039
**REFLECTING INCANDESCENT LAMP**
Charles Roy Rook, Gloucester, Mass., assignor to Birdseye Electric Corporation, Dover, Del., a corporation of Delaware
Application December 4, 1936, Serial No. 114,166
6 Claims. (Cl. 176—34)

3. A filament mount for an incandescent electric lamp, comprising a stem, lead wires projecting therefrom, a filament connected at spaced intervals to said wires, a reflecting disk supported



above the stem and apertured for the passage of said wires with clearance, and an insulating panel registering with the aperture of the disk and having a restricted wire passage therein.

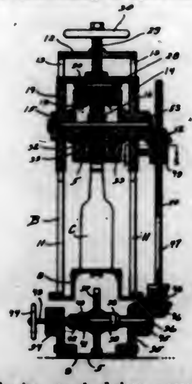
2,117,040
**WATER COOLING SYSTEM**
Eric Ollie Schjolin, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 18, 1936, Serial No. 85,842
16 Claims. (Cl. 180—54)



1. In a cooling system for an internal combustion engine of an automotive vehicle, a combined engine block and transmission housing positioned at the rear of the vehicle, a radiator positioned over the transmission housing and secured thereto, a hood leading from the side of the vehicle to the radiator, means at the side of the vehicle to enable air to enter the hood, a fan in the hood, said fan driven by the engine and adapted to cause air rapidly to pass through the radiator, and a water pump driven from the engine to cause the water to circulate through the radiator and the engine block.

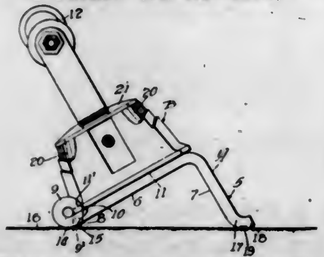
2,117,041
**BOTTLE CORKING MACHINE**
William H. Simpson and Bertram L. Ballie, Peoria, Ill., assignors to Hiram Walker & Sons, Inc., Peoria, Ill., a corporation of Michigan
Application May 1, 1936, Serial No. 77,408
6 Claims. (Cl. 226—89)

1. A bottle corking machine comprising in combination, a horizontal endless conveyor belt including a drive chain, a frame, a corking unit vertically adjustable on the frame and including an endless closure belt, a releasable friction clutch device including a sprocket in mesh with



said drive chain, and drive coupling means between the closure belt and clutch device for imparting travel to the closure belt with the same linear speed as that of the conveyor belt.

2,117,042
**FLATIRON SUPPORT**
John Siezak, Sycamore, Ill., assignor to Turner Brass Works, Sycamore, Ill., a corporation of Illinois
Application June 13, 1936, Serial No. 85,055
4 Claims. (Cl. 248—117.2)



1. A flat-iron rest comprising a frame including two L-shaped parts disposed in substantially vertical, parallel planes and having longer front legs than rear legs, a stop part extending from the end of the longer leg of each L-shaped part, and a cross part extending between and joining the lower ends of said longer legs.

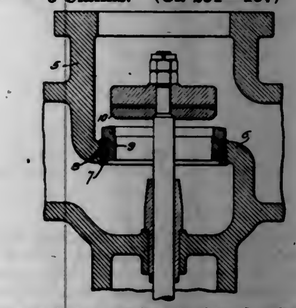
2,117,043
**RADIO RECEIVING APPARATUS**
Thoyer Sorenson, Cleveland, Ohio, assignor of one-half to John Y. Socotch, Cleveland, Ohio
Application December 28, 1936, Serial No. 117,831
2 Claims. (Cl. 116—124.1)



1. In radio-receiving apparatus, the combination of a vertically elongated translucent dial, an indicator pivotally mounted to swing vertically behind the dial, and a light source arranged to project a shadow of the indicator on the dial, such light source being located substantially at the pivot axis of the indicator.

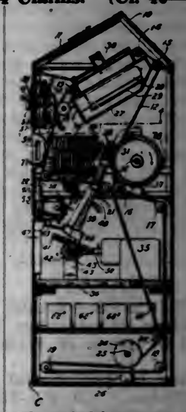


2,117,044
**VALVE SEAT DEVICE**
Paulsen Spence, East Orange, N. J.
Application May 7, 1935, Serial No. 20,119
6 Claims. (Cl. 251—167)



1. In a valve, a valve body of relatively soft metal, a valve seat adapter of relatively hard metal integrally secured to said body so as to form a hermetic seal, and a valve seat member of relatively hard metal detachably secured to said valve seat adapter.

2,117,045
**EXHIBITING MACHINE**
Robert L. L. Warner, Los Angeles, Calif., assignor of one-third to R. O. Atkinson and one-third to H. H. Smith, both of Los Angeles County, Calif.
Application July 27, 1936, Serial No. 92,739
14 Claims. (Cl. 40—53)



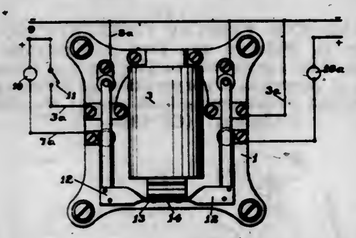
1. A changeable exhibitor comprising a screen; a movably mounted web divided along its length into portions containing respectively different matter to be displayed on the screen; means for projecting an image of said matter on the screen as the web is moved; a selector having means correlated with said different portions of the web for the selection of any one of said portions for display; means for feeding the web at a relatively high speed, in accordance with the setting of the selector, to the proper starting position for the display of the selected portion of the web; and means for feeding at a relatively slow speed and in image-projecting relation to said screen, that portion of the web selected by said selector.

2,117,046
**APPARATUS FOR MAKING RESILIENT BUSHINGS**
Oscar B. Welker, Middletown, Conn.
Original application April 25, 1936, Serial No. 76,392. Divided and this application December 5, 1936, Serial No. 114,450
1 Claim. (Cl. 29—88.2)



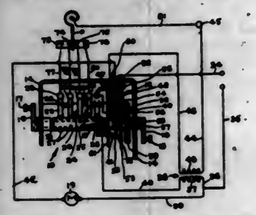
In a machine for making resilient bushings having an outer tubular rigid member, a rigid inner member and an intermediate elastic member, comprising in combination a base, a plurality of supports on the base, means on the supports for holding a plurality of tubular outer members between the supports in spaced relation and in axial alignment, said supports having openings aligning with the openings in the tubular members, and means for forcing the inner and intermediate members through a plurality of said tubular members, whereby the intermediate and inner members may be severed at the spaces between the tubular members without severing the tubular members.

2,117,047
**CIRCUIT CONTROLLING DEVICE**
John H. Wheelock, Fitzwilliam, N. H., assignor to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application December 26, 1931, Serial No. 583,319
2 Claims. (Cl. 175—375)



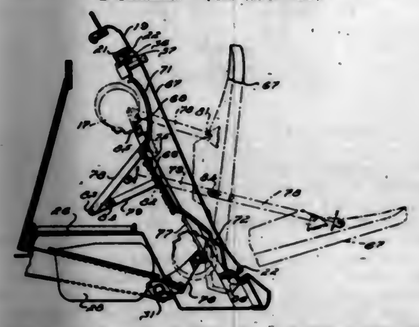
1. Apparatus for controlling the flow of current in an electrical circuit comprising, in combination, a source of electrical energy, a current consuming device connected to one side of said source, and a circuit controlling device providing a pair of spaced stationary terminals insulated from each other and connected to the other side of said source and to said current consuming device, respectively, said circuit controlling device further providing a pivoted member free to fall in one direction of movement and electrically connected contacts movable with said pivoted member co-operating with said stationary terminals for creating a gap in said circuit at one terminal at one speed, and for increasing the gap in said circuit at the other terminal at an accelerated speed determined by the rate of falling of said pivoted member.

2,117,048
**REMOTE CONTROL MECHANISM**
Everett H. White, St. Paul, Minn.
Original applications September 24, 1930, Serial No. 484,166, now Patent No. 2,004,622, and September 21, 1933, Serial No. 690,396, now Patent No. 2,077,294. Divided and this application May 13, 1935, Serial No. 21,218
4 Claims. (Cl. 200—113)



1. A thermal switch including a switch member to be actuated, a supporting member for said switch member, an expansible and contractible resistance element attached to said supporting member and said switch member, said resistance element comprising a continuous strand of material, spaced apart anchors carried by said supporting member, and spaced apart anchors carried by said switch member, said continuous strand of material including portions thereof engaged with said anchors carried by said supporting member and said switch member, respectively, and providing separate lengths of said strand arranged adjacent each other and each extending between an anchor upon said supporting member and an anchor upon said switch member, said switch member having potential for limited movement in one direction when the resistance element becomes expanded, and said resistance element having potential for imparting limited movement in opposite direction to said switch member when said resistance element becomes contracted.

2,117,049
**REAR END VEHICLE CONSTRUCTION**
Charles H. Widman and Fred J. Westrope, Detroit, Mich., assignors to The Murray Corporation of America, a corporation of Delaware
Application February 1, 1934, Serial No. 709,244
4 Claims. (Cl. 296—37)



3. In a vehicle body having a compartment therein, a door for said compartment comprising a pair of substantially co-exteasive sheet metal panels secured together to provide a structure of hollow box-section, the outer panel constituting when the door is closed a substantial continuation of the surface of the body, the inner of said panels being preformed to strengthen the door structure and to provide a raised central portion adapted to engage and provide a mounting for the hub portion of a spare wheel.

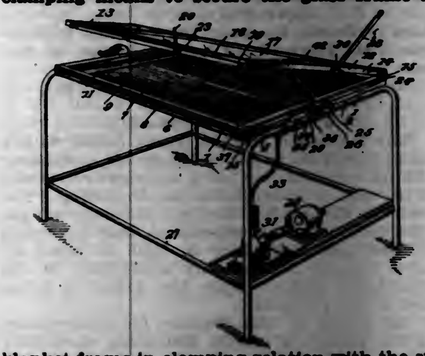
2,117,050
**INSIDE CASING CUTTER**
Clyde P. Wilson, Hugo, Okla.
Application June 6, 1936, Serial No. 83,898
5 Claims. (Cl. 164—0.7)



5. In a device of the character described, adapted to be lowered into a well for operation on a pipe therein, the combination of: a bar adapted to be secured to the lower end of a string of pipe; a body secured to the lower end of said bar so as to rotate therewith; a tool bit carried by said body so as to be projected toward said pipe in said well to be operated upon; a cam carried by said body and by its movement projecting said tool bit; a shaft carried by said body, the upper end of said shaft being exposed; means between said shaft and said cam whereby rotation of said shaft moves said cam; a ring on said bar adjacent the upper end of said body; a tubular member on said bar above said ring provided with means for engaging a pipe in the well so that said tubular member will be thereby held stationary; clutch means operative between said tubular member and said ring for holding said ring stationary; a wheel member on the exposed end of said shaft; and means connected to said ring and having engagement with said wheel member to rotate the same and said shaft when said body is rotated relative to said ring.

2,117,051
**PRINTING FRAME**
Edward L. Anderson, Washington, D. C., assignor of one-half to Edwin H. Walker, Washington, D. C.
Application May 14, 1937, Serial No. 142,691
10 Claims. (Cl. 95—76)

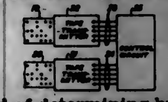
6. A printing frame including a rectangular supporting frame, a base frame in which the supporting frame is mounted for rotation on substantially the longitudinal median line of the supporting frame, a blanket frame hinged to one edge of the supporting frame, a blanket in said frame, a glass frame hinged to the opposite edge of the supporting frame, a glass in the glass frame, a bead on the blanket for sealing cooperation with the glass in the glass frame when the frames are in closed relation, and clamping means to secure the glass frame and



blanket frame in clamping relation with the supporting frame and with each other.

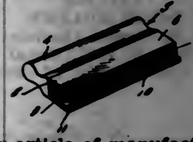


2,117,052
**TELEGRAPH TAPE COMPARATOR**
Austin Bailey, Maplewood, and Thomas Addison McCann, Denville, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application October 7, 1936, Serial No. 104,510
8 Claims. (Cl. 178—69)



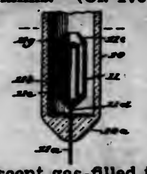
8. A method of determining by an automatically operating testing instrumentality the effectiveness of a transmission system which comprises preparing a permanent and reusable record of a message in a permutation code, transmitting said message in permutation code from said prepared record, recording said message as transmitted over said system, running said prepared record and the record as received after transmission over said system simultaneously through the testing instrumentality and causing said testing instrumentality to make a count of significant discrepancies between the permutation code message as prepared at the sending end of said system and the permutation code message as recorded at the receiving end of said system.

2,117,053
**FINGERNAIL FILE**
Elmer Bickley, Lennoxville, Quebec, Canada
Application February 23, 1937, Serial No. 127,269
2 Claims. (Cl. 132—73)



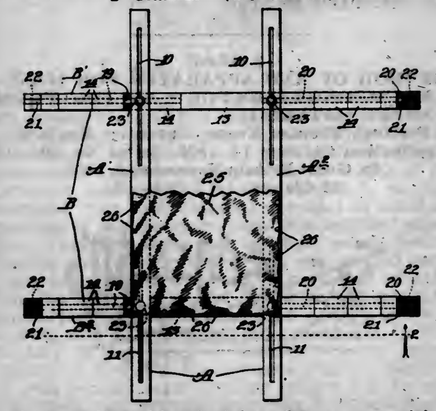
2. As a new article of manufacture, an implement of the class described comprising a substantially flat rectangular body formed along one longitudinal edge with a hand-grip, the opposite edge being provided with an abradant fingernail file, the file being generally straight throughout its longitudinal dimension and rounded at one corner, and a flange formed as a continuation of one side edge of the body and projecting beyond the file to form a fingernail guide, that end of the flange adjacent the rounded corner of the file projecting in relation thereto to define a fingernail cleaner having right angle edges.

2,117,054
**LUMINESCENT TUBE**
Charles Philippe Boucher, Montreal, Quebec, Canada, assignor to Boucher Inventions, Ltd., Washington, D. C., a corporation of Delaware
Application August 21, 1936, Serial No. 97,264
7 Claims. (Cl. 176—126)



1. In luminescent gas-filled tubes of the character described, in combination, a glass envelope, an inert gas contained in said envelope, and one or more electrodes mounted within said envelope, at least one of said electrodes comprising two or more coaxial tubular conductors electrically connected together an outer one of which has an inwardly converging frustro-conical end-portion covered with an overlying layer of refractory material.

2,117,055
**ADJUSTABLE STRETCHER FRAME**
William A. Davis, Chicago, Ill.
Application March 11, 1936, Serial No. 68,317
4 Claims. (Cl. 45—24)

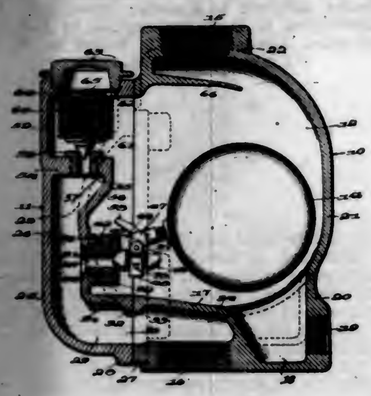


4. An adjustable stretcher frame comprising cross members having unslotted central and end portions and longitudinal slots extending between said central portion and said end portions, slidable blocks extending through said slots and having their bottom sides below said cross members, and side members transversely attached to said cross members, the tops of said side members being flush with the tops of said blocks.

2,117,056
**STEAM TRAP**
Frederick R. Dunn, Lockport, N. Y., assignor to American District Steam Company, North Tonawanda, N. Y., a corporation of New York
Original application February 15, 1935, Serial No. 6,733. Divided and this application June 24, 1936, Serial No. 87,061
11 Claims. (Cl. 137—103)

1. In a steam trap, a discharge opening in the wall of the trap chamber, a member in the trap

chamber detachably secured to said chamber wall opposite said wall opening and having an opening of similar bore aligned with and forming an extension of the wall opening, an elongated valve seat element detachably supported in and fitting the bores of both the aligned openings and se-



cured in position by the detachable member, and a valve located in the chamber beyond the bore in the detachable member controlling the discharge from the trap chamber, said valve being coactive with the valve seat and supported by the detachable member.

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2,117,057

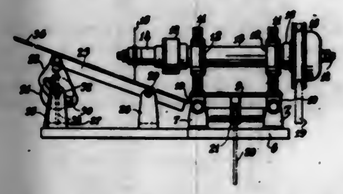
## METHOD OF AND APPARATUS FOR MANUFACTURING LINKS FOR V-BELTING FROM SHEET MATERIAL

Percival Thomas Evans, Coventry, England

Application October 14, 1936, Serial No. 105,614

In Great Britain November 9, 1935

16 Claims. (Cl. 164—66)



1. The method of manufacturing links for V-belting from sheet material comprising cutting the sheet material into strips and cutting the strips transversely at intervals so that alternate cuts are at a desired angle to the surface of a strip and the remaining cuts are at a similar but reverse angle whereby the resultant pieces are chamfered on each longitudinal side and shaped substantially ready for assembly.

3. The method of manufacturing links for V-belting from sheet material, comprising feeding strips of material over an inclined plate between guide members to an adjustable end stop, advancing a cutter element and cutting off pieces from the strip, each piece having both its longitudinal edges chamfered in one direction and each of a width equal to two blank links, and finally turning each piece and locating it in a carrier for cutting in two by the cutter element with an inclined cut.

2,117,058

## METHOD OF PRESERVING GREEN FODDER AND PRODUCT

Robert G. Ferris, Harvard, Ill., assignor to Starline, Inc., Harvard, Ill., a corporation of Illinois

No Drawing. Application April 8, 1937, Serial No. 135,818

6 Claims. (Cl. 99—8)

1. The method of treating green fodder with a gaseous preservative heavier than air, consisting of filling the bottom of a storage receptacle largely with a preservative gas including $P_2O_5$, showering the fodder through the layer of gas to the bottom of the receptacle, and supplying additional gas from time to time to maintain a level thereof substantially above that of the accumulated fodder while the latter is being added to the receptacle.

3. An article of manufacture for preservation of green fodder, a candle consisting essentially of $P_2S_5$.

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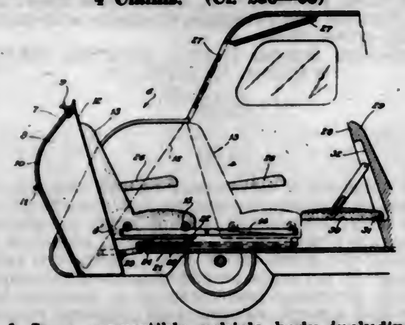
2,117,059

## CONVERTIBLE AUTOMOBILE BODY

Joseph Garami, New York, N. Y.

Application June 4, 1936, Serial No. 83,586

4 Claims. (Cl. 296—63)



1. In a convertible vehicle body including a passenger compartment and a projecting portion extending rearwardly therefrom, an outwardly swingable cover on said projecting portion, a seat including a fixed back slidably mounted on said body and normally positioned in said passenger compartment and adapted to be positioned within said projecting portion to provide a rumble seat therein, and means associated with said seat and cover and operative in a horizontal plane below said seat whereby to swing said cover to closed or open position by sliding movement of said seat.

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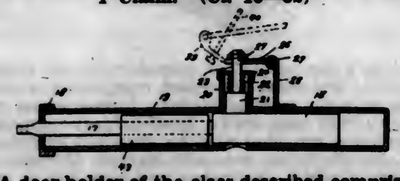
2,117,060

## DOOR HOLDER

Glen M. Gouse, Carlisle, Pa.

Application June 9, 1937, Serial No. 147,362

1 Claim. (Cl. 16—82)



A door holder of the class described comprising a cylinder, means for hingedly connecting the cylinder to a door, an elongated piston in the cylinder, a rod connected with the piston and passing through an end of the cylinder and adapted to be connected to a part of a door frame, a housing connected with the cylinder and arranged at right angles thereto and opening out into the cylinder, a spring-pressed plunger in the housing engaging the piston when the piston is in one position and being projected by its spring in rear of the piston when the piston is moved to another position, a support on the cylinder, a plate-like member hinged to the support, means for connecting the member to the plunger, manually operated means for raising the plate-like member to move the plunger into its housing and manually operated means for holding the plate-like member in a position to hold the plunger in its housing, when it is desired to render the plunger inoperative.



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2,117,061

## LIP STENCIL

Marie L. Helehan, Butte, Mont.

Application May 21, 1937, Serial No. 144,041

5 Claims. (Cl. 132—1)



1. A lip stencilling device comprising a pair of upper and lower crescent shaped frames pivotally mounted at both ends thereof for relative swinging movement about a common axis.

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2,117,062

## VARIABLE PITCH PROPELLER

Bruno Jablonsky, London, England

Application October 3, 1935, Serial No. 43,419

In Great Britain February 6, 1935

5 Claims. (Cl. 170—164)



1. Variable pitch propeller, comprising a plurality of blades, a root member upon each of said blades, each of said root members being in the form of a disc having a plane surface disposed obliquely to the longitudinal axis of the respective blade, a common bearing disc between said root members and having plane surfaces respectively adjacent said plane surfaces of said roots, a collar embracing all said root members and said disc and holding the plane surfaces of said root members in abutting engagement with the respective plane surfaces of said disc, mutually inclined slots in said root discs, parallel grooves in said collar, a slot in said spacing disc parallel with said grooves, a transverse pin extending through said slots and engaging at its ends in said collar grooves, and means for moving said pin in the path defined by the grooves in said collar, to impart turning forces to said root members.

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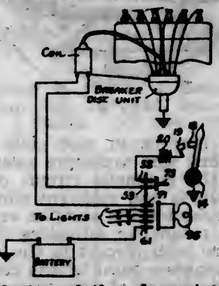
2,117,063

## COMBINATION SAFETY OIL GAUGE AND LIGHT SWITCH

Charles Jellik, Jr., St. Louis, Mo.

Application May 24, 1934, Serial No. 727,347

8 Claims. (Cl. 123—146.5)




1. In a device of the character described, an oil pressure responsive member, a contact carried thereby, a stationary contact supported to be engaged by said contact in a position of said responsive member corresponding to a lack of oil pressure, said contact being arranged to be disengaged from said stationary contact in another position of said pressure responsive member when the oil pressure is normal, and first switch means having one side connected with one of said contacts and its opposite side to a portion of said ignition system, a second switch having one side connected to a different portion of said ignition system and its remaining side connected to the battery of the ignition system, whereby upon closing of said switches during a closed condition of said contacts said ignition system will be de-energized, said switches including, a rotary member selectively engageable with said contacts, key means for operating said rotary member, a safety push button operable to bridge some of said contacts while others of said contacts are engaged by said rotary member, cam operated means for locking said safety push button in the engaged position, cam means on said rotary member for operating said cam operated means to release said safety push button from engaged position.

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2,117,064

## CONTACTLESS BELL

Morris F. Ketay, Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

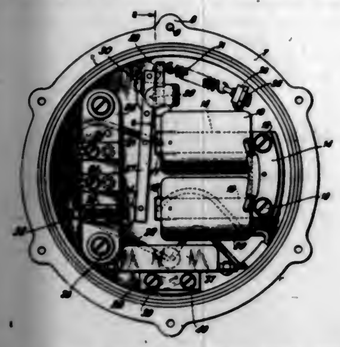
Application February 12, 1932, Serial No. 592,607

Renewed June 21, 1937

3 Claims. (Cl. 175—335)

1. A signal device including a core, a pair of coils wound on said core, an armature associated

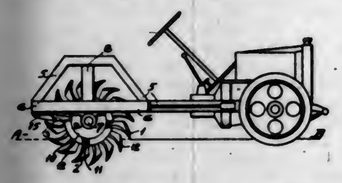
with said coils for attraction by the latter and forming a closed magnetic circuit with the core when attracted by the coils whereby the reactance of said coils is varied, an alternating current circuit including said coils and a condenser whereby said circuit is tuned to a predetermined frequency, said circuit being resonant when the armature is away from the coils and the magnetic circuit of the core is open thereby causing a relatively large current to flow through said coils and causing the latter to attract said armature whereupon the circuit is rendered non-reso-



nant and the current in said coils decreased, means for pulling said armature away from the coils to open the magnetic circuit of the core when the circuit is non-resonant whereby resonance is again established and the armature set into vibration, means for adjusting the position of the armature with respect to the coils to establish the resonance point of the circuit in relation to the frequency of the current employed to energize said coils, and means for adjusting the frequency of vibration of the armature to any desired value independent of the frequency of the circuit.

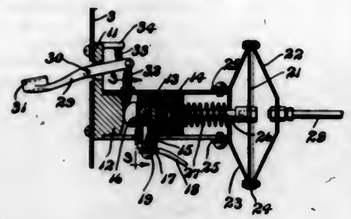
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**2,117,065**
**MOTOR DRIVEN CULTIVATOR OR HARROW**
**Johan A. Lassas, Lapptrask, Finland**
**Application June 1, 1936, Serial No. 82,949**
**3 Claims. (Cl. 97—40)**



1. In a motor driven harrow or cultivator the combination of a selfpropelled chassis carrying a motor, a shaft journaled on the rear end of said chassis and driven by said motor, two cylinders or rollers arranged coaxially on said shaft, a plurality of spirally wound parallel blade-like ribs on each of said cylinders forming continuous helical flanges extending from one end of the cylinders to the other and adapted to grip the earth, and mattocks each comprising a sharp-edged, blade-shaped head on a sharp-edged shank and mounted on and projecting at equal distances apart from the edges of said ribs and adapted to penetrate and break up the soil, said mattocks being curved so that their points are directed in the direction of travel.

**2,117,066**
**ENGINE STARTING**
**Frank E. Liverance, Jr., Grandville, Mich.**
**Application March 29, 1937, Serial No. 133,569**
**11 Claims. (Cl. 290—38)**



1. In combination with an engine, electric starting motor therefor and electric circuit for the starting motor, of a switch in said circuit closing the circuit when free to do so, means to hold the switch in open position, said means being manually movable to release the switch to close said circuit, and engine operated means automatically moving the switch to circuit open position when the engine starts.

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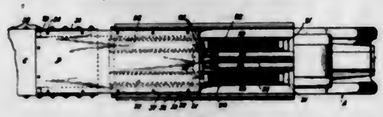
**2,117,067**
**TRANSPORTATION MEANS**
**Nelson A. Ludington, New Haven, Conn.**
**Application June 8, 1933, Serial No. 674,785**
**48 Claims. (Cl. 214—65)**



1. Transportation means including an automotive vehicle having a plurality of longitudinally extending channel-shaped members for carrying a load-box; mechanism comprising pneumatically operable apparatus carried by said channels for moving the load-box in a vertical plane, and pneumatically operated mechanism carried by the vehicle for actuating said first-mentioned mechanism and to move the box longitudinally of the vehicle.

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**2,117,068**
**TRANSPORTATION MEANS**
**Nelson A. Ludington, New Haven, Conn.**
**Application March 10, 1934, Serial No. 715,013**
**Renewed October 7, 1937**
**16 Claims. (Cl. 214—65)**



1. In combination, a truck chassis, a truck body, and means permanently mounted on said truck chassis and comprising a truck body supporting platform and fluid operated truck body loading and unloading mechanism including expansible and slidable members.



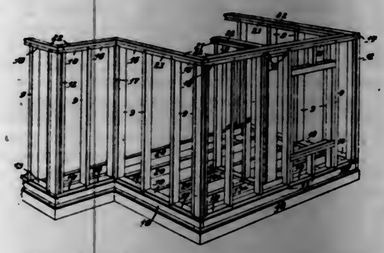
**2,117,069**
**COMBINED OAR AND OARLOCK**
**John L. Musante, Falmouth, Va.**
**Application May 20, 1937, Serial No. 143,811**
**2 Claims. (Cl. 9—24)**



1. An oar lock for boats, comprising a pair of spaced base members, said members including means for detachably connecting said base members to the gunwale of a boat, aligned bearings in said members, a shaft mounted for rotation in said bearings, the ends of said shaft being threaded and extending beyond said members, lock nuts on said ends of said shaft and bearing against said members to lock said shaft against rotation, an oar-engaging member pivotally mounted on said shaft intermediate said members, to permit the working movement of an oar, and said lock nuts and shaft comprising means for positioning and maintaining said oar engaging member at any selected vertical angle with respect to said base.

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**2,117,070**
**BUILDING FRAME CONSTRUCTION**
**Henry H. Payzant, St. Paul, Minn., assignor to General Timber Service, Inc., St. Paul, Minn., a corporation of Delaware**
**Application January 7, 1935, Serial No. 611**
**2 Claims. (Cl. 20—1)**

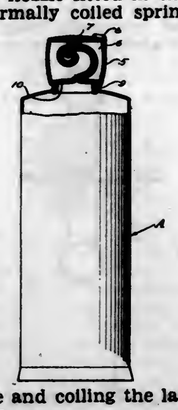


1. The combination in a building having horizontally spaced studding and corner posts, of rabbeted sole plates formed with the rabbets spaced apart, center to center, a uniform, standard distance to determine the spacing of said studding and separate inside and outside corner starters differing from each other in length, disposed at the ends of said plates and formed with rabbets to determine the spacing of the inside and outside corner posts respectively from the studding.

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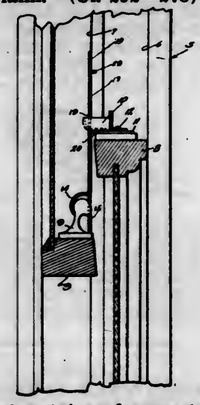
**2,117,071**
**DISPENSER CLOSURE**
**James R. Ring, Galveston, Tex.**
**Application August 11, 1937, Serial No. 158,569**
**2 Claims. (Cl. 221—60)**

1. The combination with a collapsible tube or container having an open mouth housing, a flexible dispensing nozzle fitted in the mouth housing, and a normally coiled spring element fitting the nozzle and coiling the latter within the mouth housing.



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**2,117,072**
**DEVICE FOR HOLDING A LOWER WINDOW SASH IN PLACE WHEN PARTIALLY RAISED**
**Ernest L. Woods, Chicago, Ill.**
**Application July 10, 1936, Serial No. 89,947**
**1 Claim. (Cl. 292—278)**



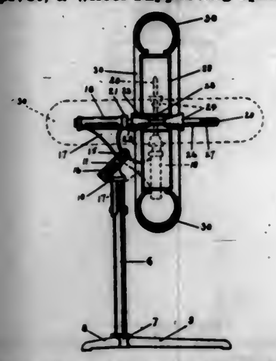
A window sash retainer for use in connection with sashes having a rotatable cam fastener and a keeper therefor; said retainer comprising an elongated plate having an opening in one end portion thereof and a hook-shaped structure extending from the plate at the upper end of the opening and adapted to hook over the back portion of a window keeper while the forward portion of the keeper projects through the said opening to hold the said plate in an upright position, the upper portion of the plate being stamped to form a transverse slot and an outstanding lip at the intermediate portion of the said slot, said lip defining an aliner for the cam fastener with respect to the slot.

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**2,117,073**
**WHEEL BALANCING MECHANISM**
**Henry Wochner, Rock Island, Ill., assignor to Bear Manufacturing Company, Rock Island, Ill.**
**Application July 15, 1935, Serial No. 31,336**
**2 Claims. (Cl. 73—51)**

1. A wheel balancing machine, comprising a

vertical support, a pivot rotatably mounted on said support at an angle of forty-five degrees with the ground, a spindle mounting supported by said pivot, a wheel supporting spindle in said



mounting at an angle of forty-five degrees with said pivot, means for supporting a wheel on said spindle, and means for locking said pivot from movement at any point in its movement.

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2,117,074

**RADIO DIAL KNOB**

James Russell Young, Ann Arbor, Mich., assignor to Barnes-Gibson-Raymond, Inc., Detroit, Mich., a corporation of Michigan

Application May 1, 1933, Serial No. 668,838

2 Claims. (Cl. 287—53)



1. A device for attaching a knob to a shaft comprising a strip of metal bent to cylindrical shape, one end of said strip forming a flat portion disposed as a chord of said cylindrical portion, and the other end of said strip being offset radially of said cylindrical portion.

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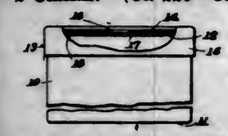
2,117,075

**CONTAINER CLOSURE**

John Belmont, Brooklyn, N. Y., assignor to Lebeckbe, Incorporated, New York, N. Y., a corporation of New York

Application December 21, 1933, Serial No. 703,369

2 Claims. (Cl. 220—44)



2. As a new article of manufacture, an all-pasteboard container having a removable top portion telescopically engaged in said container, and means carried by said top portion for venting the interior of said container prior to the removal of said top portion, said venting means comprising a pasteboard wall having a central aperture and a second pasteboard wall contiguous with the first wall and adapted to be moved from said contiguous position by pushing against that portion of said member exposed by the mentioned aperture.

2,117,076

**LUBRICANT AND METHOD OF MAKING THE SAME**

Harry T. Bennett and Clare Prather, Tulsa, Okla., assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware

No Drawing. Original application February 4, 1935, Serial No. 4,874. Divided and this application September 13, 1935, Serial No. 40,396

7 Claims. (Cl. 87—9)

1. A lubricant adapted to withstand high pressures comprising a mineral lubricating oil containing more than one per cent of ortho-hydroxy diphenyl.

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2,117,077

**TAKE-OFF APPARATUS FOR ELECTRIC WELDERS**

Arthur A. Bernard, Chicago, Ill., assignor to Hollup Corporation, Chicago, Ill., a corporation of Illinois

Application March 12, 1937, Serial No. 130,479

13 Claims. (Cl. 105—177)



1. Means for removing welding or like apparatus from a railroad track to a position alongside comprising, in combination, a carriage disposed to run on said railroad track, a pair of track members transversely mounted on said carriage, wheels mounted on said apparatus and disposed to run on said transverse track members, a take-off structure disposed to be removably positioned alongside of said railroad track, a pair of track members mounted on said take-off structure for alignment with said track members on said carriage, and a pair of removable track members disposed to telescope with one of said pairs of track members and to be positioned in alignment with the other of said pairs of track members whereby said apparatus is movable from said carriage onto said take-off structure and vice versa.

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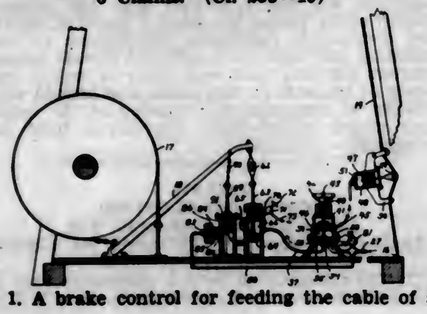
2,117,078

**DRILLING CONTROL MECHANISM**

Walter Brauer, Oklahoma City, Okla.

Application January 9, 1937, Serial No. 119,752

6 Claims. (Cl. 255—19)



1. A brake control for feeding the cable of a drilling rig comprising in combination with the brake of a liquid pressure mechanism to exert a pull thereon, means to transmit liquid pressure to said mechanism as a function of the force opposing said brake, and means to discharge the liquid from said mechanism at a predetermined rate so as to damp the fluctuation of the pressure actuating said mechanism.



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2,117,079

**METHOD OF TREATING OR PROCESSING CLOTH OR FABRIC**

Murray N. Bulford, Augusta, Ga., assignor to United Merchants & Manufacturers, Inc., New York, N. Y., a corporation of New York

Application April 17, 1937, Serial No. 137,437

2 Claims. (Cl. 26—29)



1. The method of crushing and raising projections on open mesh textile fabric having cotton or fiber projections thereon which consists of supporting and feeding the fabric on a surface constructed and arranged to penetrate the openings in the fabric mesh and to hold the fabric against warping while brushing the projections to raise and fluff up the fiber.

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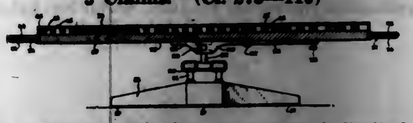
2,117,080

**GAME APPARATUS**

Courtney Conover, St. Louis, Mo.

Application July 10, 1935, Serial No. 30,684

3 Claims. (Cl. 273—110)



1. A game board whose movement is limited to independent tilting about two major axes at right angles to each other, said board having a plurality of pockets from which a game piece can be dislodged only by tilting the game board about one of said axes and having a plurality of other pockets from which a game piece can be dislodged only by tilting the game board about the other axis, said board having means operable by one player to tilt the board about one axis and one axis only and means operable by another player to tilt the board about the other axis and the other axis only.

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2,117,081

**MODEL**

Peter Copeland and Lillian L. Grenecker, New York, N. Y.

Application July 7, 1936, Serial No. 89,272

3 Claims. (Cl. 223—66)

1. A display dummy-head adapted to be removably engaged with the edge of a display platform, comprising a skull portion and a face portion, the lower edges of the rear end of the skull portion being substantially in a horizontal plane above the bottom of the face portion, the rear edges of the face portion being substantially in a vertical plane and lying inwardly of the rear end of the skull portion and meeting the lower



edges of the rear end of the skull portion to form a seat portion whereby the head is supported intermediate the top and bottom of the face portion in a substantially perpendicular engaging angle for the edge of said display platform, and a weight member secured at the rear end of the skull portion to serve as a counterbalance.

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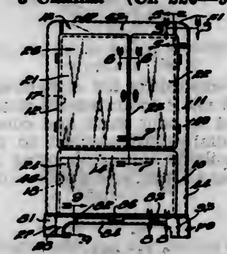
2,117,082

**METHOD OF CONSTRUCTING A CABINET**

Leonard H. Darbyshire, Detroit, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois

Original application October 9, 1933, Serial No. 692,882. Divided and this application December 28, 1935, Serial No. 56,511

3 Claims. (Cl. 220—9)



1. The method of constructing a heat insulated cabinet, having a top wall, an end wall and a front wall the latter being provided with a door opening therein, which comprises forming grooves in said top and front walls substantially in alignment with one of the edges of said door opening, forming an end panel member to provide a continuous flange extending laterally thereon for covering a portion of said top and front walls in addition to said end wall and securing flanges extending inwardly from the extremities of said covering flanges for engagement within said grooves and door opening, then inserting said front securing flange in said door opening with said upper covering flange elevated above said top wall to permit free movement of said top securing flange across said top wall, then moving said panel angularly until the inner surface thereof engages the outer surface of said end wall, and then sliding said panel downwardly until said top securing flange is confined within a grooved portion of the surface of said upper wall.

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2,117,083

**PLAYING BALL CENTER**

Carlton C. Davis, Glen Ellyn, and Jesse Howell Gregory, Wheaton, Ill., assignors to Great Western Athletic Goods Co., Chicago, Ill., a corporation of Illinois

Application May 4, 1936, Serial No. 77,810

10 Claims. (Cl. 273—58)

9. A baked ball center of the class described, said center consisting of compressed kapok fibers

in crisscrossed relationship to each other, the fibers on the surface portion of the ball center



being fused together and forming a resilient water resistant shell.

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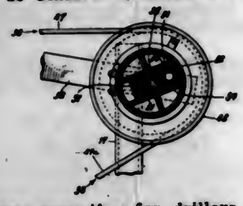
2,117,084

**SHEAVE MOUNTING FOR DRILLERS**

John A. Elmes, Beaver Falls, Pa., assignor to Keystone Driller Company, Beaver Falls, Pa., a corporation of Pennsylvania

Application July 1, 1937, Serial No. 151,461

15 Claims. (Cl. 255—16)



1. A sheave mounting for drillers comprising: a frame and a shaft mounted thereon; a sheave drum mounted on said shaft and constrained to only move radially with respect to the axis of said shaft; resilient means opposing said radial movement of said drum; and a sheave mounted on said drum.

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2,117,085

**PROCESS OF PREPARING LAMINATED MATERIAL**

George R. Ensminger, New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application September 28, 1933, Serial No. 691,343

4 Claims. (Cl. 154—2)




1. In the process of preparing laminated material in which at least one metal sheet is joined to wood by means of an adhesive, the improvement which comprises the step of applying a priming coat to the surface of the metal to be in contact with the adhesive, said priming coat being selected from the class consisting of alkyd resins and primers of the oil type.

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2,117,086

**DENTAL FLASK**

John G. Feminella, Brooklyn, N. Y.

Application November 27, 1936, Serial No. 113,017

1 Claim. (Cl. 18—33)

A flask suitable for use in the manufacture of molds to be employed in the practice of dentistry, comprising a casing open at the bottom and formed with upwardly extending walls and a top, the inner surface and conformation of the walls and top being such as to permit of ready removal from the flask of the mold when formed and the outer surface of the side walls being without drainage channels, an outer wall connected with



the casing at the bottom but spaced apart from the casing walls and forming with the casing walls a trough surrounding the casing at the sides, the top of the casing being formed with a depressed reservoir, said trough and reservoir being adapted for use in water cooling the mold during its formation in the flask.

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2,117,087

**PROTEIN-CARBOHYDRATE FERTILIZER**

Richard Formhals, Berlin-Grunau, Germany, assignor to Chemische Fabrik Grünau, Landshoff & Meyer Akt. Ges., Berlin-Grunau, Germany, a company of Germany

No Drawing. Application October 2, 1935, Serial No. 43,217. In Germany May 27, 1932

13 Claims. (Cl. 71—22)

1. A fertilizer having as essential fertilizing constituents water soluble chemically degraded protein cleavage product and water soluble carbohydrate, the content of carbohydrate being between approximately 18% and approximately 100% of the content of degraded protein cleavage product.

9. The fertilizer of claim 1 in which said protein product consists of chemically degraded leather waste.

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2,117,088

**ADVERTISING OR DISPLAY DEVICE**

William John French, Nunhead, London, England

Application November 18, 1936, Serial No. 111,386

In Great Britain October 22, 1936

11 Claims. (Cl. 40—126)



1. In an advertising display device: a backing, said backing being provided with an illustration of an article, and a solid transparent body attached to said backing over said illustration, said body being in the form of the article as seen in perspective and at least a part of the back of said body conforming to the contour of the surface to which it is applied.



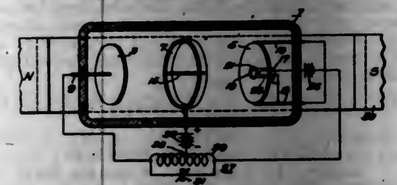
2,117,089

**ELECTRONIC OSCILLATOR AND MULTIPLIER**

Robert Rhea Goodrich, 2nd, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 28, 1936, Serial No. 71,513

12 Claims. (Cl. 250—36)



1. An electronic device of the character described comprising an evacuated envelope, an accelerating anode and a secondary emissive electrode mounted within said envelope and including an opening in its emissive surface, a primary electron emitting electrode located within and having an emissive surface flush with said opening, and means for energizing said additional electrode for the emission of primary electrons.

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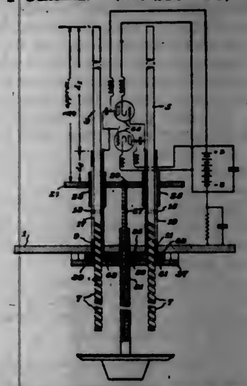
2,117,090

**ADJUSTABLE ULTRA HIGH FREQUENCY OSCILLATOR**

Gustave L. Grundmann, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 19, 1937, Serial No. 126,565

4 Claims. (Cl. 250—36)



1. An oscillator adjustable over a range of high radio frequencies including in combination, an adjustable wave length determining transmission line, a vacuum tube, adjustable connections from said tube to a portion of said line to establish oscillatory currents in said tube, and means for simultaneously varying the effective length of said line and the said connections for establishing oscillatory currents whereby substantially optimum output is obtained from said oscillator over its frequency range.

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2,117,091

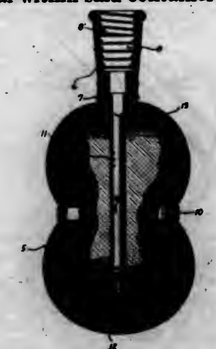
**WATER SOFTENER**

Austin Gudmundsen, Milwaukee, Wis., assignor to Gudmundsen-Stratton Laboratories, Inc., Milwaukee, Wis., a corporation of Wisconsin

Application June 15, 1936, Serial No. 85,244

7 Claims. (Cl. 210—24)

1. A water softening device comprising, a fabric container of porous material, means for connecting the container to a source of water supply and adapted to dispense water from a predetermined point into said container, a base exchanging material within said container and surrounding said point so that water liberated therefrom passes through a given area of said material regardless of its direction of flow, and elastic means acting on the container for maintaining the material elastically in a state of compression.



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2,117,092

**SHINGLE**

Kenneth S. Guiterman, Hewlett Bay Park, Hewlett, N. Y.

Application July 11, 1934, Serial No. 734,589

5 Claims. (Cl. 108—17)



1. A shingle adapted for use as a plane shingle or as a hip or ridge shingle, said shingle being made from corrugated thin sheet material having a body adapted to lie substantially flat against the underlying supporting surface and an upstanding flange member extending transversely of said shingle, said corrugations running lengthwise of said shingle and up and down said flange member, the depth and pitch of said corrugations being such that all parts of said body may lie close to and substantially flat against said supporting surface and such that said shingle is stiffened lengthwise, the corrugations in said flange member having an accordion-like action to permit said body and flange member to be bent about a longitudinal line parallel to said corrugations to fit a hip or ridge.

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2,117,093

**BLOWING DEVICE FOR POWDERS**

Jens Peter Hansen, Copenhagen, Denmark

Application August 7, 1934, Serial No. 738,859

In Denmark August 8, 1933

1 Claim. (Cl. 43—146)

A powder blower for the purpose described, in which the blower device consists of a chamber having a cylindrical wall in which are formed two oppositely disposed holes for a detachable powder container, a lid, a hinge device connecting the chamber and lid to allow their movement to and from each other, handles on the chamber and lid for moving them, bellows arranged between and interconnecting the chamber and lid, linings along the edges of the two

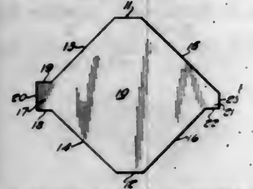
holes in the cylindrical chamber wall for providing an airtight fitting between the container and the blower, an air escape for the air compressed by the bellows, one end of the powder



container having an air inlet hole disposed to communicate with the said air escape, and a nozzle at the opposite end of the container, said nozzle projecting through one of the holes in the cylindrical chamber wall.

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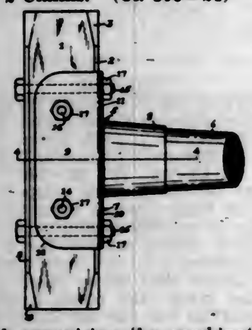
**2,117,094**
**SHINGLE**
**Henry B. Hutten, Joliet, Ill., assignor to The Ruberoid Co., New York, N. Y., a corporation of New Jersey**
**Application March 4, 1936, Serial No. 67,013**
**2 Claims. (Cl. 108—7)**



1. A self-aligning shingle of substantially hexagonal form having horizontal upper and lower edges, inclined side edges meeting the upper and lower edges, a triangular projection at one side corner, and a rectangular projection at the opposite side corner, said rectangular projection having a horizontal upper edge which it adapted to align with the upper edge of an underlying shingle.

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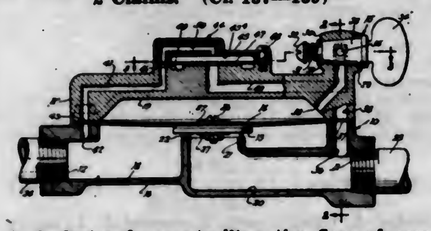
**2,117,095**
**MAUL**
**Alexander Irwin, Pittsburgh, Pa.**
**Application March 23, 1937, Serial No. 132,463**
**2 Claims. (Cl. 306—24)**



1. A maul comprising the combination of an elongated saddle member substantially U-shaped in transverse cross section, an elliptical shaped tapering socket eye fixed to said member and disposed at right angles to the latter, an oblong rectangularly-shaped head mounted in said member, the end portions of said head projecting beyond the respective ends of said member, two pairs of securing elements extending through said member and through said head for reenforcing and securing the latter in said member, one of said pair of elements being disposed at right angles relatively to the other of said pair of elements, and a handle having one end thereof fixed in said socket eve.

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**2,117,096**
**FLUID CONTROL DEVICE**
**Andrew L. Klawitter, Chicago, Ill.**
**Application September 28, 1936, Serial No. 102,895**
**2 Claims. (Cl. 137—139)**



1. A device for controlling the flow of combustible gas or the like from a pressure source to a restricted outlet such as a gas burner device comprising, in combination, a valve casing having an inlet and an outlet, means including a main valve element and a movable actuating diaphragm therefor in said casing for controlling the flow of gas between said inlet and outlet, one side of said diaphragm being exposed to the pressure of the gas in said inlet for moving said diaphragm to open position, means operable at will for by-passing gas from said inlet to the other side of said diaphragm to move the same to closed position and for alternatively establishing a passage from said other side of said diaphragm to said outlet to relieve the pressure thereon and thereby permit opening of said main valve element, and means including a check valve in said passage operable to permit only a unidirectional flow of gas to said outlet through said by-pass for preventing the fluttering of said main element to minimize the pressure drop in the gas flowing past the same.

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**2,117,097**
**MAKE-UP BOX**
**Sarah Lieberman, Waterbury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut**
**Application October 23, 1936, Serial No. 107,197**
**2 Claims. (Cl. 240—6.45)**



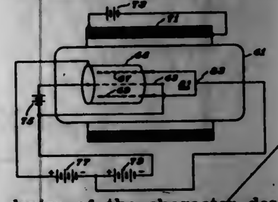
1. A make-up box comprising: a hinged cover with an inner mirror-surface; a cosmetic compartment; and an illumination compartment adjacent the hinge of said hinged cover and including: an electric light-bulb socket; an electric



power-cable connected to said socket and extending through a hole in said box and designed and adapted to be connected to an electric-power connection exterior of said box; a light-transmission plate at the top of said compartment and overlying said socket and provided with a hole; a switch-operating member extending through said hole, said hole being also adapted to air-exit ventilation; and ventilation air-entrance means below said plate.

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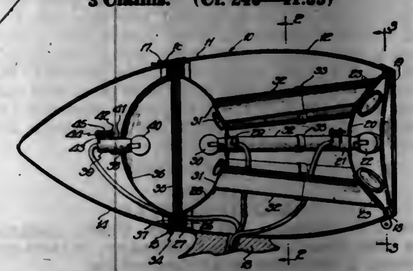
**2,117,098**
**SECONDARY EMISSIVE ELECTRONIC DISCHARGE DEVICE**
**Ernest G. Linder, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware**
**Application April 30, 1936, Serial No. 77,144**
**8 Claims. (Cl. 250—36)**



1. In a device of the character described, a source of primary electrons, an accelerating electrode, means for biasing said accelerating electrode positively with respect to said source, a pair of electrodes having surfaces adapted to emit secondary electrons upon impingement of said primary electrons, a source of potential for biasing said pair of electrodes positively with respect to said source of primary electrons and less positive than said accelerating electrode, and a resonant circuit connected between said pair of electrodes.

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**2,117,099**
**HEADLIGHT**
**Joseph Maly, Old Bridge, N. J.**
**Application July 3, 1937, Serial No. 151,795**
**3 Claims. (Cl. 240—41.35)**



1. A headlight comprising in combination, a casing, a pair of confronting reflectors mounted rearwardly within said casing and coacting to provide a light chamber, a lamp mounted in each reflector, a third reflector mounted in the front of said casing, a lamp mounted in the third reflector, inwardly converging tubes of substantially oval shape in cross section connecting the foremost reflector with the intermediate reflector and opening through said reflectors for transmitting light forwardly from said light chamber when the lamps therein are illuminated, and oval glass plates mounted in the front ends of said tubes.

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**2,117,100**
**PREPARATION OF ANTIRACHITIC SUBSTANCES**
**Nicholas A. Milas, Cambridge, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**Application April 8, 1933, Serial No. 665,135**
**10 Claims. (Cl. 204—31)**

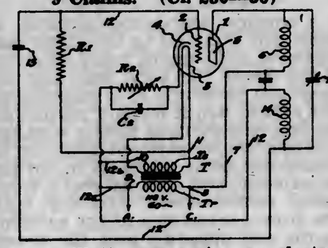


1. Process for producing antirachitic substance from ergosterol or ergosterol-containing materials, comprising exposing the same under low pressure to the action of a high-frequency oscillating electrodeless discharge.

10. The process of treating ergosterol or ergosterol containing material to develop therein the antirachitic (vitamin D) property which comprises vaporizing the ergosterol under reduced pressure and subjecting the vapor to an electrodeless discharge.

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**2,117,101**
**OSCILLATOR**
**Ollie M. Owsley, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware**
**Application June 29, 1935, Serial No. 29,026**
**9 Claims. (Cl. 250—36)**



1. In an oscillation generator, an electron discharge device having an anode, a cathode and a grid, a source of raw alternating current for said electrodes, and dual bias connections to said alternating current source for deriving therefrom a biasing voltage for maintaining said grid at all times with respect to said cathode irrespective of the instantaneous polarity of the alternating current supplied to said anode.

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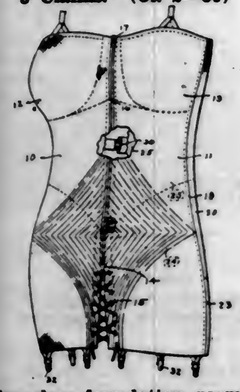
**2,117,102**
**SERVING DISH**
**Lila Pittler, New York, N. Y.**
**Application June 11, 1936, Serial No. 84,602**
**1 Claim. (Cl. 65—15)**



The combination with a plate of a collapsible receptacle for holding glasses, confections and the like mounted on said plate, said receptacle comprising a flange permanently attached to said plate and a wall which in normal use is substantially vertical, the base of the plate serving as the

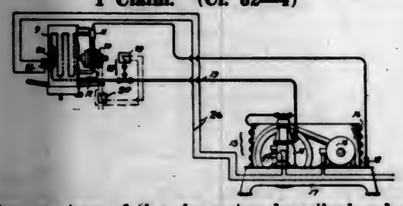
bottom of said receptacle, said wall being of polygonal shape, the corners of which are adapted to be folded over the sides whereby said wall may be folded substantially flush with said plate when in unused condition.

2,117,103
**BONELESS FOUNDATION GARMENT**
Alice M. Rabensdorf, Cleveland, Ohio, assignor of one-half to Sidney J. Sternberger, Indianapolis, Ind.
Application March 8, 1937, Serial No. 129,574
3 Claims. (Cl. 2—36)



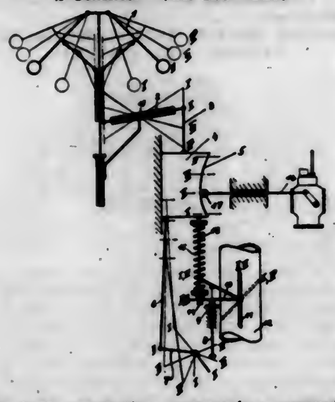
1. In a boneless foundation garment, a non-stretchable belt attached to the upper rear part of the garment and hanging freely therefrom and terminating above the waist line, said belt extending around forwardly by a widening portion, the lower part of which forward portion is below the waist line, said garment having a major opening centrally down the garment front, the forward ends of said belt being anchored in the garment portions adjacent said opening, and a front non-stretchable reenforcement tapering outwardly from the front central line of the garment both downwardly and upwardly over the abdomen to points on the respective sides of the garment below the waist line, and the major portion of said reenforcement being positioned to cover that area between the ribs and pelvic bones and being in overlapping relation by its upper part with at least lower parts of said belt front ends.

2,117,104
**MEANS FOR DEFROSTING HEAT EXCHANGER SURFACES**
William B. Rorison, Plainfield, N. J., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware
Application August 8, 1934, Serial No. 738,945
1 Claim. (Cl. 62—4)



In a system of the character described, a heat exchange tube, a thermal element within said tube and thermally insulated therefrom, said element being positioned relatively close to but spaced from the inner surface of said tube, means for circulating a refrigerant in heat exchange relation with the external surface of said tube, and means including said thermal element for controlling the circulation of refrigerant responsive to the accumulation of ice within the tube to a predetermined thickness.

2,117,105
**DEVICE FOR REGULATING THE RUNNING OF INJECTION ENGINES AT DIFFERENT SPEEDS OF REVOLUTION**
Emil Schimanek, Budapest, Hungary
Application April 23, 1935, Serial No. 17,758
In Austria July 13, 1934
2 Claims. (Cl. 123—140)



1. A fuel regulating apparatus comprising a governor, a fuel pump, an air supply pipe with a throttle therein, a bar operatively connected to the governor, a movable member connected to the bar having a profile surface thereon, said profile surface being formed to vary the adjustment of the fuel pump, means connecting said surface to said pump and means of connection between said profile member and the throttle, said latter means consisting of a bar connected to the profile member, a bell crank lever connected to said bar, a second bar connected to said profile member, a lever connected to said second bar, said latter lever being operatively connected to the throttle and a floating bar interposed between said bell crank lever and said latter lever for actuating the same whereby the position of said throttle is simultaneously adjusted by said profile member.

2,117,106
**BRAZED ARTICLE**
Horace F. Silliman, Waterbury, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Application February 21, 1936, Serial No. 65,063
11 Claims. (Cl. 148—21.2)

1. A brazed article comprising a plurality of metal parts of which at least one of said parts is composed of a copper base alloy comprising 3% to 20% tin, 3.5% to 40% nickel and balance substantially copper, said alloy being characterized by being hardenable by heat treatment, and said parts having been joined together by brazing without flux in a neutral or reducing atmosphere whereby the brazed joint is free of flux.

10. A method of making a flexible bellows comprising brazing together in a neutral or reducing atmosphere without flux a plurality of parts composed of a worked alloy comprising 3% to 10% tin, 3.5% to 40% nickel and balance substantially copper, cooling quickly from a temperature of 600° C. to 850° C. and maintaining at a temperature of 200° C. to 550° C. for a sufficient time to produce a material increase in hardness.

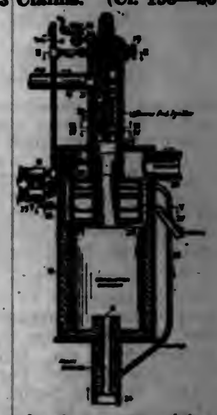


2,117,107
**TURBINE BLADE LASHING**
Carl R. Soderberg, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application September 28, 1935, Serial No. 42,596. Divided and this application January 30, 1937, Serial No. 123,084
1 Claim. (Cl. 29—156.8)



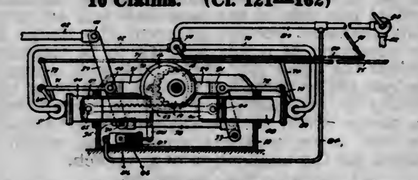
The method of providing lashing for a turbine blade row, wherein the blades are arranged in circumferentially spaced segmental groups and the blades of each group are lashed together to provide a unitary segmental construction, which comprises forming lashing members with concave and convex ends to fit convex and concave faces of the blades, welding the concave lashing member ends to convex blade faces to form blade and lashing member units, assembling units in segmental groups separated by blades without lashing members so as to provide a blade row made up of segmental groups of blades having the concave faces thereof arranged contiguously to convex lashing member ends, and welding the convex ends of the lashing members to concave blade faces.

2,117,108
**BURNER**
Millard Cole Spencer, East Orange, N. J., assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J., a corporation of New Jersey
Application April 26, 1935, Serial No. 18,328
3 Claims. (Cl. 158—28)



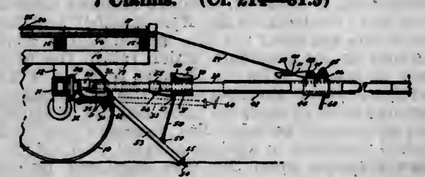
1. A burner having a vaporizing plate, a fuel conduit with a nozzle positioned for discharging fuel onto the vaporizing plate, an air conduit surrounding and coaxial with the fuel conduit, a flame tube formed by an extension of the air conduit beyond the vaporizing plate, and an electrical heater coil having a set of its convolutions in the air conduit and a set of its convolutions positioned to heat the vaporizing plate by radiation and forming a vaporizing space between it and the plate and having an ignition convolution between the two sets of convolutions at the discharge opening of the vaporizing space, the discharge opening of the air conduit and the entrance to the flame tube being also at the discharge opening of the vaporizing space, whereby the air is caused to meet and mix with the vapor at the ignition coil and the ignited mixture conducted to the flame tube.

2,117,109
**VALVE CONTROL AND REVERSING MECHANISM**
Thomas Stevenson, Lakewood, and Clifford S. Goby, Cleveland, Ohio; Mary E. Stevenson executrix of said Thomas Stevenson, deceased
Application July 25, 1935, Serial No. 33,112
10 Claims. (Cl. 121—162)



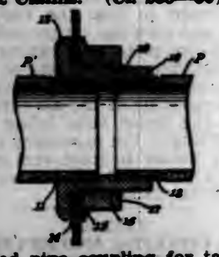
1. In combination, in a reversing mechanism for locomotives, a base, a lever adapted to be pivoted to a reach rod, a second lever pivoted to said base, an eccentric journaled on said base, a pair of eccentric followers associated with said eccentric and pivotally connected, on opposite sides thereof, one to each of said levers, a link connected to said second lever intermediate its two said pivot points and connected to said first lever by a pivot connection slidably mounted on said base.

2,117,110
**HAY LOADING DEVICE**
Delno O. Warner, Thompson Township, Delaware County, Ohio
Application July 31, 1937, Serial No. 156,711
7 Claims. (Cl. 214—81.5)



1. In a device of the class described, in combination, a wagon and a hay frame carried thereby, said hay frame comprising a lower frame element and an upper frame element longitudinally slidable with respect thereto, said upper frame element when moved to its forwardmost position exposing said lower frame element sufficiently to receive one portion of a divided load, said wagon including an extensible draft element extending forwardly and comprising portions slidable relatively to each other, one of such portions being attached to the wagon chassis and the other being attached by a flexible connector to the said upper frame element, and disengageable means for holding the two portions of said draft element in close coupled relation.

2,117,111
**TANK FLANGED PIPE COUPLING**
Claud H. Ellis, Maywood, Calif., assignor of one-half to Colin W. Timmons, Alhambra, Calif.
Application June 9, 1937, Serial No. 147,296
2 Claims. (Cl. 285—50)



1. A flanged pipe coupling for tanks and the like comprising a one-piece tubular body insertable through an opening in the tank wall, said body being internally threaded for the reception of at least one threaded pipe end, said body having an external flange adapted to be tightened against one side of the tank wall and an externally threaded portion adjacent the flange for the reception of a nut adapted to be tightened against the other side of the tank wall, a nut on the externally threaded portion, said body presenting an externally reduced end remote from the flange which is sufficiently reduced to enable the nut to be passed thereover and which is shaped for the application of a wrench.

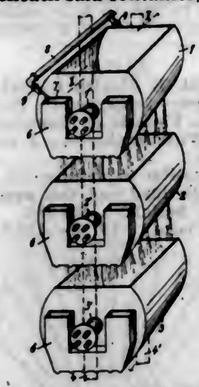
2,117,112
**WIRE CONNECTER**
Stephen N. Buchanan, Elizabeth, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application July 6, 1935, Serial No. 30,306
18 Claims. (Cl. 173—263)



5. A wire connecter to clamp one or more wires comprising, a member, a second member hingedly retained relatively to the first member and having a wire engaging portion, interengaging means carried by the members which retain the members in spaced relation thereby forming a wire receiving space therebetween, the interengaging means being engageable upon relative longitudinal movement between the members and being locked together in spaced parallel position by a wire pressing upon the wire engaging portion, and operating means carried by the first member and moving into the wire receiving space whereby it is adapted to engage and clamp at least one wire in the wire receiving space against the wire engaging portion.

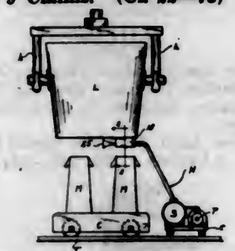
2,117,113
**CONTINUOUS OIL EXTRACTING APPARATUS**
Peter Johannes Werner Engler, Hamburg, Germany, assignor to the firm of Hansa-Muhle Aktiengesellschaft, Hamburg, Germany
Application September 29, 1936, Serial No. 103,219
In Germany March 4, 1935
4 Claims. (Cl. 87—6)

1. An apparatus for the continuous extraction of material on the paternoster principle, said apparatus comprising a plurality of vertically spaced containers, each container having a solvent receiving chamber attached thereto, a plurality of tubes extending from said chamber across and beneath said container, the bottoms of



said tubes being perforated whereby solvent may be discharged from said tubes directly into a container below, the bottom of said container being perforated whereby solvent in said container may be discharged from said container directly into a subjacent container.

2,117,114
**APPARATUS FOR CASTING METAL**
George W. Hasey, Cleveland, Ohio, assignor, by direct and mesne assignments, of twenty-five percent to Richard C. Tuma, Los Angeles, Calif., six and two-thirds percent to H. H. Handelman, Cleveland, Ohio, ten percent to Edward Gadd, Leavittsburg, Ohio, and twenty-five percent to Elias C. Tuma, Cleveland, Ohio
Application December 7, 1934, Serial No. 756,496
9 Claims. (Cl. 22—73)

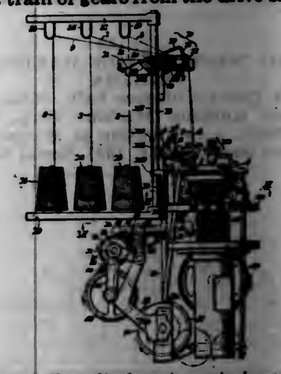


1. The combination of a closed container open on one face, said open face being adapted to register with the open end of an ingot mold, a pipe passing through said container, an opening in said pipe communicating with the interior of said ingot mold, and means to partially evacuate the interior of said ingot mold through said pipe by passing a fluid stream through said pipe in addition to the stream of air being evacuated.

2,117,115
**KNITTING MACHINE**
Eugene F. Miller, Winston-Salem, N. C., assignor to Hanes Hosiery Mills Co., Winston-Salem, N. C., a corporation of North Carolina
Application April 19, 1935, Serial No. 17,163
10 Claims. (Cl. 66—138)

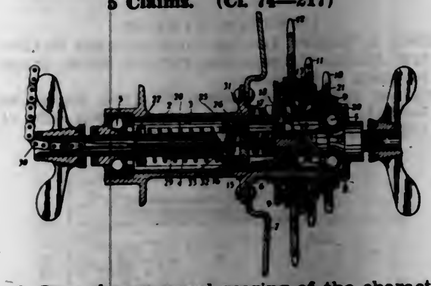
7. A knitting machine for producing seamless ringless stockings comprising a cylinder with an annular series of needles; a drive shaft with interposed gear connections for rotating the needle cylinder; a plurality of independently movable juxtapositioned feeds for feeding as many individual main yarns of the same kind and nominal gauge; and a cam drum continuously rotated through a train of gears from the drive shaft rela-





tive to the needle cylinder at a rate inversely proportional to the number of feeds, said drum having circumferentially-staggered cam rises and recesses respectively of equal lengths for controlling interchange of the feeds in a predetermined repeating sequence so that one feed serves its yarn for one course of the knitting, another feed for the next course, and so on.

2,117,116
**CHANGE-SPEED GEARING FOR CHAIN-DRIVEN VEHICLES**
Valentine Page, Birmingham, England, assignor to Tri-Velox Gears Limited, Coventry, England
Application June 18, 1936, Serial No. 85,992.
Renewed February 8, 1938. In Great Britain June 18, 1935
5 Claims. (Cl. 74—217)



1. In a change-speed gearing of the character described, a rotatable hub, an assembly of different-sized sprocket wheels slidably mounted thereon and in driving connection therewith, a key slidable in a longitudinal slot of said hub, a sleeve slidably engaging the internal periphery of said hub, said key detachably engaging said sprocket assembly and also entering a notch at the end of said sleeve, and a detachable means independent of said key for clamping said key in said notch.

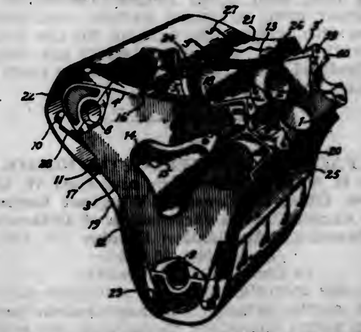
2,117,117
**ENGINE STRUCTURE**
John Pavlecka, Detroit, Mich.
Application November 19, 1935, Serial No. 50,552
16 Claims. (Cl. 123—173)

1. The combination in an internal combustion engine, with engine means including cylinders and a number of juxtaposed crankshafts, of a box-like frame surrounding said cylinders and containing cooling fluid therefor, and of bulkheads disposed transversely within said frame and projecting exteriorly therefrom for supporting said crankshafts rotatably and in direct communica-



tion with one another, said bulkheads being double webbed and hollow outside of said frame, and means for introducing cooling fluid into said hollow portion of the bulkheads and through them into said frame at certain of said crankshafts and for discharging said fluid from said bulkheads at others of said crankshafts.

2,117,118
**ENGINE FRAME**
John Pavlecka, Detroit, Mich.
Application August 10, 1936, Serial No. 95,298
20 Claims. (Cl. 123—195)

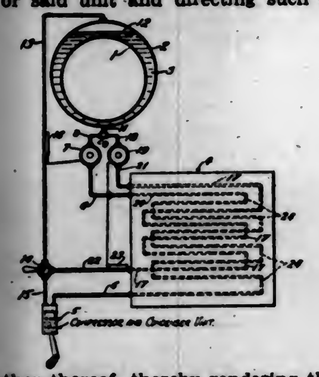


11. An engine frame comprising, a number of cylinders open at both ends and disposed transversely between a number of parallel crankshafts, bulkheads having a center portion alongside of said cylinders and integral outer bearing bases therearound for mounting said crankshafts rotatably, a number of deck plates extending along said crankshafts and having openings therein for accommodating both said open ends of said cylinders and said bases of said bulkheads, and intervening panels extending between said deck plates and jointly therewith surrounding said cylinders and said center portions of said bulkheads and forming a cooling fluid container for the former.

2,117,119
**REFRIGERATING SYSTEM FOR ICE CREAM FREEZERS**
James T. Smith, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application January 11, 1935, Serial No. 1,295
10 Claims. (Cl. 62—114)

1. In an ice cream freezing system the combination of a freezer, including a compartment for receiving a refrigerating medium, a compressor,

a condenser associated with said compressor, a second refrigerating unit, a cooling element for the latter, and connections for supplying liquid refrigerant to the freezer and said second refrigerating unit and for returning vaporized refrigerant from said freezer and unit to the compressor, said connections including valve means for shutting off the liquid supply to either said freezer or said unit and directing such supply



to the other thereof, thereby rendering the full capacity of the compressor and condenser available for either said freezer or said second refrigerating unit, said liquid supply connection for the freezer being arranged in heat exchanging relation with said cooling element for the second refrigerating unit, whereby to effect pre-cooling of the body of liquid refrigerant passing from the condenser to the freezer.

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2,117,120

**MANUFACTURE OF MERCAPTOTHIAZOLES**

Claude H. Smith, Tallmadge, and Carl W. Gay, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application October 16, 1935, Serial No. 45,272

14 Claims. (Cl. 260—44)

1. In the manufacture of a mercapto arylene thiazole of the benzene and naphthalene series, the step which comprises discharging the molten mercapto arylene thiazole into a dilute water solution of an acid.

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2,117,121

**SHIP FENDER**

William R. Urquhart, Akron, and Elov F. Maas, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application November 20, 1935, Serial No. 50,650

12 Claims. (Cl. 114—219)



1. A marine fender for ships and the like comprising an elongated tubular element of resilient material, a supporting member extending axially through said element, the diameter of said member being substantially less than the internal diameter of said tubular element, and means for securing said supporting member to the side of a ship or the like with said supporting member eccentrically disposed with respect to said tubular element and means for clamping the opposite ends of said supporting member firmly against the side of the ship with a substantial air space disposed outwardly from said clamping means, thus insuring adequate yieldability when subjected to compressive forces.

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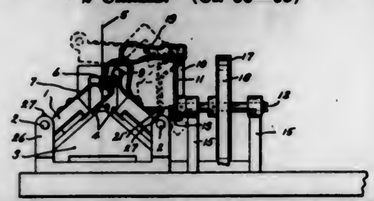
2,117,122

**KNITTING MACHINE FOR MAKING GLOVE FINGERS**

Charles H. Usher, Chicopee Falls, Mass., assignor to Lamb Knitting Machine Corp., Chicopee Falls, Mass., a corporation of Massachusetts

Application December 31, 1937, Serial No. 182,835

2 Claims. (Cl. 66—65)



1. In a glove finger knitting machine having a carriage for reciprocation over a needle-carrying bed, a pair of ways of circular cross-section for supporting said carriage, at least one of said ways being releasably secured to the frame of the machine, in combination with a crank operated connecting rod for reciprocating said carriage, said rod being pivoted at a point closely adjacent one of said ways at one end of the carriage, said pivot providing for both wrist-pin action and rotational twist of the connecting rod whereby when the way remote from the connecting rod pivot is removed the carriage may be rotated about the adjacent way at right angles to the plane of reciprocation without disconnecting the connecting rod at the pivot.

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2,117,123

**CONTROL SYSTEM**

Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original application August 22, 1934, Serial No. 740,961. Divided and this application July 31, 1935, Serial No. 33,960

7 Claims. (Cl. 172—279)



1. In combination, a motor having main and auxiliary field windings and circuits therefor, and a switch comprising a thermal-responsive element, a heating element in heat transferring relation to the thermal-responsive element, and a pair of cooperating contacts one of which is actuated by the thermal-responsive element to effect engagement and disengagement of the contacts, said contacts being connected in the circuit of the auxiliary field winding to control the starting and running of the motor, said thermal-responsive element being connected in series with only the auxiliary field winding and said heating element being connected in the circuit of the main field winding.



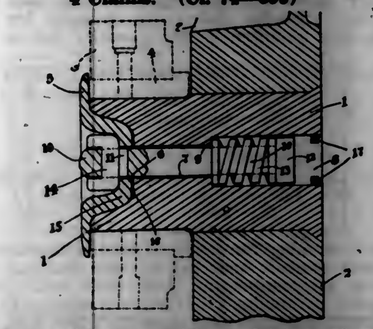
2,117,124

**CRANKPIN ASSEMBLY**

Clarence A. Wheeler, Toronto, Ontario, Canada

Application July 20, 1937, Serial No. 154,663

4 Claims. (Cl. 74—595)



1. In combination with a driving wheel, a crank pin having an axial aperture, a centrally apertured rod-retaining disc of larger diameter than said crank pin and arranged coaxial therewith, a tension member extending through the apertures in said crank pin and disc, a key extending through a slot adjacent the outer end of said tension member, a head on the inner end of said tension member, and a spring surrounding said tension member and compressed between said head and a shoulder on the crank pin.

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2,117,125

**TREATMENT OF LAMB CARCASSES**

Beverly E. Williams and Leon L. Cadwell, Chicago, Ill., assignors to Swift and Company, Chicago, Ill., a corporation of Illinois

Application June 26, 1937, Serial No. 150,601

3 Claims. (Cl. 99—157)



1. The method of substantially eliminating the woolly flavor of skinned lamb carcass meat having the fel retained thereon, which comprises clothing the skinned surface of the carcass with a brine moistened cloth and thereafter protecting the clothed carcass against evaporation.

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2,117,126

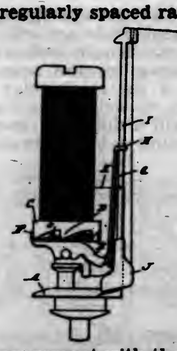
**RECLAIMING ATTACHMENT FOR BRAIDER BOBBINS**

John Winstanley, Fall River, Mass., assignor to Winstanley Bros., Fall River, Mass.

Application January 31, 1938, Serial No. 187,955

4 Claims. (Cl. 96—15)

1. As an article of manufacture, a reclaimer for wooden braider bobbins including an apertured disk and regularly spaced radial liners pro-



portioned for engagement with the working faces of ratchet teeth on a bobbin.

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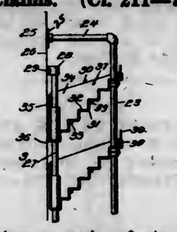
2,117,127

**SHELVING**

Milton Ray Yarger, Morgantown, W. Va., assignor of thirty percent to Richard H. Andrews, Jr., Morgantown, W. Va.

Application June 23, 1936, Serial No. 86,831

3 Claims. (Cl. 211—71)



1. In a shelving, a pair of standards, a shelf comprising vertical and inclined walls, respectively, co-acting to form a bin, one of said walls being stepped to provide a plurality of horizontal ledges at different levels in said bin, and means for slidably mounting said shelf on the standards and comprising, sleeves secured to the shelf on the inside thereof to conceal the same from view.

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2,117,128

**RAILWAY TRAFFIC CONTROLLING APPARATUS**

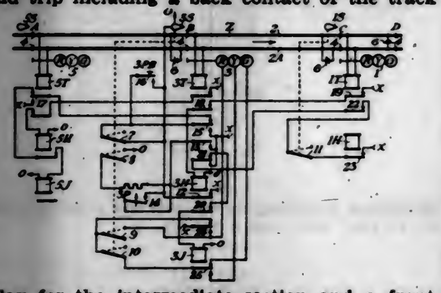
Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application December 16, 1936, Serial No. 116,145

13 Claims. (Cl. 246—47)

1. In combination, a forward and a rear as well as an intermediate section of railway track each provided with a track circuit including a track relay, a control relay which is energized only if the track relays for the forward and intermediate sections are both energized, a trackway trip for the intermediate section including one contact which is closed when the trip is in its inoperative position and is open when the trip is in its operative position and another contact which is closed when the trip is in its operative position and is open when the trip is in its inoperative position, a slow pickup relay, means for energizing said slow pickup relay when the track relay for the intermediate section is released provided said other contact is closed, a clearing circuit for said trip including a front contact of said control relay, another clearing circuit for said trip including a back contact of

the track relay for the intermediate section and a manually operable contact, still another clearing circuit for said trip including a back contact of the track relay for the rear section and a front contact of the track relay for the intermediate section as well as said manually operable contact, still a different clearing circuit for said trip including a back contact of the track



relay for the intermediate section and a front contact of said slow pickup relay, a holding circuit for said trip including said one contact and a back contact of the track relay for the intermediate section, and another holding circuit for said trip including said one contact and a front contact of the track relay for the intermediate section as well as a back contact of the track relay for the rear section.

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2,117,129

**SHAFT FOR GOLF CLUBS AND THE LIKE**

Leonard A. Young, Detroit, Mich.

Application October 30, 1931, Serial No. 572,111
5 Claims. (Cl. 273—80)



1. A shaft for golf clubs and the like, formed of a metal strip conformed into a tube of cylindrical cross section, one longitudinal edge of said strip having an inwardly offset joint flange underlapping the adjacent edge, said tube being spirally twisted from end to end, said strip being substantially equal in length to the length of said shaft prior to being so conformed.

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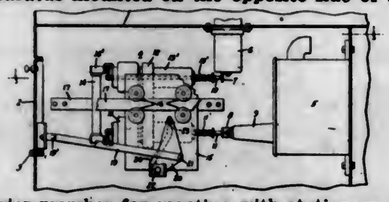
2,117,130

**ELECTRIC SWITCH GEAR**

Kenneth T. Ashdown, Drexel Hill, and Vernon L. Cox, Philadelphia, Pa., assignors to General Electric Company, a corporation of New York

Application August 28, 1936, Serial No. 98,430
3 Claims. (Cl. 200—114)

1. Electric switchgear of the metal enclosed type comprising a metal housing having a hinged door, a carrier member mounted for reciprocal rectilinear movement within said housing towards and away from the door opening of said housing, electrical apparatus mounted on said carrier member on the side towards said door opening, movable disconnect contacts for said apparatus mounted on the opposite side of said



carrier member for coacting with stationary disconnect contacts carried by said housing, and means interconnecting said door and carrier member for moving said electrical apparatus substantially into the door opening when said door is opened for disconnecting said apparatus, said carrier member also in said position precluding access to said stationary disconnect contacts.

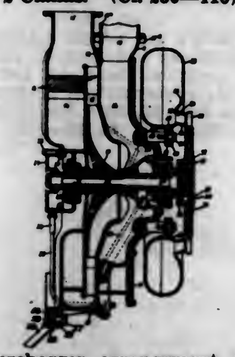
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2,117,131

**SUPERCHARGER ARRANGEMENT**

Claude H. Auger, Saugus, Mass., assignor to General Electric Company, a corporation of New York

Application June 2, 1936, Serial No. 83,067
2 Claims. (Cl. 230—116)



1. A supercharger arrangement for internal combustion engines including the combination of a centrifugal blower having a casing and a shaft, a gas turbine for driving the blower including a bucket wheel secured to the shaft, a nozzle box having an inlet for receiving gases and a ring of nozzles for discharging gases to the bucket wheel, means for adjustably securing the nozzle box to the blower, said means comprising a plurality of studs secured to the blower casing, a ring secured to the nozzle box, and clamping means for fastening the ring to the studs.

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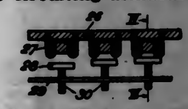
2,117,132

**RELEASABLE PERMANENT MAGNET HOLDING DEVICE**

Max Baermann, Jr., Cologne, Germany

Application July 22, 1935, Serial No. 32,678
In Germany July 23, 1934
4 Claims. (Cl. 175—367)

1. A releasable permanent magnet holding device comprising a permanent magnet, U-shaped pole shoes having limbs of unequal length, the shorter limbs being applied to the ends of said magnet, a short-circuiting armature, and means



for bridging said armature across the bends of the pole shoes and removing it therefrom.

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2,117,133

**TOY**

Thelma J. Bell, Baltimore, Md.

Application January 4, 1938, Serial No. 183,356
4 Claims. (Cl. 46—63)



4. A toy comprising a sound box including an annular wall and opposed side-walls provided with sound openings located in close proximity to said annular wall, means for rotating said box at variable speeds, cup-shaped flanges pressed out from said side walls with edges thereof forming portions of the walls of the sound openings and cooperating with the latter in producing a sound having a fixed basic note with over-tones which change with the speed of rotation.

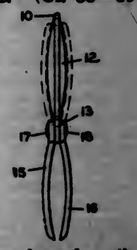
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2,117,134

**OPTICAL INSTRUMENT**

Everett S. Bissell, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application March 27, 1936, Serial No. 71,346
2 Claims. (Cl. 88—39)



1. An article of the class described comprising an annular rim, a lens mounted within said rim, a pin extending through one edge of said rim parallel to the axis of said lens, a pair of divider arms independently rotatably mounted on said pin, one on each side of said lens, said divider arms being rotatable across the lens so that in inoperative position they serve to protect the lens surface, and resilient means for holding said arms and rim in frictional contact.

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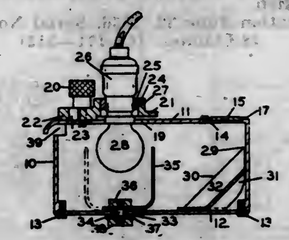
2,117,135

**ILLUMINATING DEVICE**

Everett S. Bissell, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application December 8, 1934, Serial No. 756,674
5 Claims. (Cl. 240—1)

1. An illuminating device comprising a housing having means permitting the passing of two spaced beams through one wall thereof, two fixed angularly related, diffusely reflecting members within said housing, one for each beam, a single light source movably mounted within said



housing for regulating the relative amounts of light reflected in each beam, means for clamping the light source in adjusted position and a shutter within said housing for controlling the amount of light reaching said reflecting members.

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2,117,136

**SAFETY RAZOR**

William Harman Black, New York, N. Y.

Application October 26, 1937, Serial No. 171,019
12 Claims. (Cl. 30—60)



1. A safety razor including a guard, a blade holder and a cap adapted to clamp the blade in the holder between the cap and the guard, means for elevating the blade holder and cap, means for moving the cap from its position above the blade holder, and means for turning the blade holder when the latter is in an elevated position above and parallel with the guard.

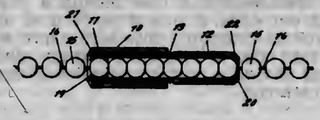
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2,117,137

**BEAD CHAIN LENGTH ADJUSTER**

Warren D. Blatz, Bridgeport, Conn., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut

Application January 27, 1938, Serial No. 187,331
6 Claims. (Cl. 59—78.1)

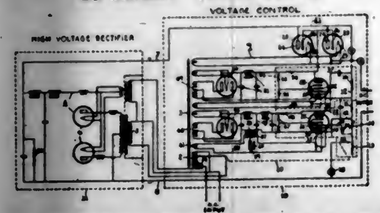


1. A length-adapter for bead chain, comprising cooperating elements on said chain and containing a plurality of beads and links of said chain and having cooperating telescoping means on said elements of such length that in expanded position of the adapter, the beads therein are separated from each other by the maximum distance allowed by their connecting links, and in contracted position of the adapter the beads are tangent to each other.

### 2,117,138
### VOLTAGE REGULATOR

Charles D. Bock, New York, N. Y., assignor of one-half to William Shakespeare, Jr., Kalamazoo, Mich.

Application June 22, 1936, Serial No. 86,639
15 Claims. (Cl. 171—312)




1. A voltage regulator comprising a transformer having a primary winding and secondary windings, the primary winding being energized by an alternating current supply of low voltage, a high voltage rectifier having a transformer energized from the tapped primary winding of said first transformer, a variable potentiometer including a variable resistor connected in parallel circuit relation with the output circuit of said high voltage rectifier, manually controlled means mechanically connecting said variable potentiometer and said first transformer for simultaneous adjustment, vacuum tube impedance means in series circuit relation with the output circuit of said high voltage rectifier, vacuum tube amplifying means acting to control said impedance means in response to the voltage across said variable resistor to keep the potential of said output circuit constant in accordance with the setting of said manually controlled means, and vacuum tube rectifying means and filters for supplying said vacuum tube impedance and amplifying means with operating power from the secondary windings of said first transformer.

### 2,117,139
### OPHTHALMIC MOUNTING

Samuel E. Bouchard, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application March 27, 1935, Serial No. 13,316
5 Claims. (Cl. 88—47)



1. In combination a lens having a depression adjacent one edge, a lens strap formed of moldable material extending into said depression and around said edge of said lens, and an ophthalmic mounting having a portion completely embedded in said material.

### 2,117,140
### RECEPTACLE WITH PICTURE DISPLAY

William F. Bowen, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts

Application January 21, 1936, Serial No. 186,211
9 Claims. (Cl. 40—156)

2. In a receptacle a cover having a hole therein, a lining for the cover having a hole registering with the hole in the cover, a collar about the hole in the lining, a frame registering with

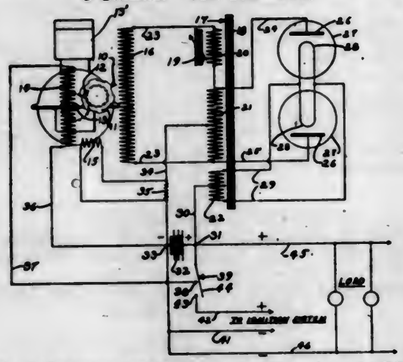


the holes and a hinge connection between the collar and the frame.

### 2,117,141
### VEHICLE ELECTRIC POWER SUPPLY SYSTEM

Carl Breer, Grosse Pointe Park, Gilbert C. Goode, Birmingham, and Vernon W. Sherman, Detroit, Mich., assignors, by mesne assignments, of one-half to Chrysler Corporation, Detroit, Mich., a corporation of Delaware, and one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 12, 1934, Serial No. 734,808
3 Claims. (Cl. 171—313)



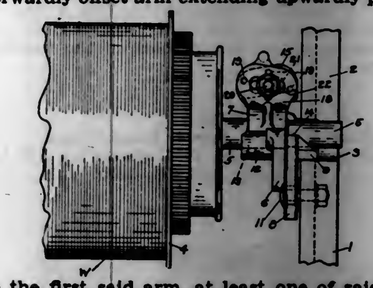

3. A battery system comprising, in combination, a storage battery a direct-current load-circuit connected thereto, a variable-speed alternating-current generator, a high-reactance transformer so energized from said generator as to effectively interpose, in series therewith, an inductance of sufficient magnitude to give the generator-and-transformer combination an approximately constant current characteristic, said transformer comprising a magnetizable core portion, an input winding means, and an output winding means, said output winding means being in two halves which are closely coupled together, and two asymmetrically conducting means connected between the battery and the two output winding halves, respectively, the asymmetrically conducting means being oppositely connected whereby one output winding half supplies current during one half cycle and the other output winding half supplies current during the next half cycle.

### 2,117,142
### BEAM LOCK

Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application August 24, 1937, Serial No. 160,640
6 Claims. (Cl. 308—24)

3. In a yarn beam lock for looms, a supporting member adapted to be attached to a loom frame, said member having an open bearing in its upper edge for receiving and supporting the gudgeon of a yarn beam, an arm on said member, said arm projecting upwardly from said edge and being entirely in front of said bearing, a locking member having a curved surface engaging the upper side of the beam gudgeon for locking the latter in said bearing, said locking member having a forwardly offset arm extending upwardly parallel



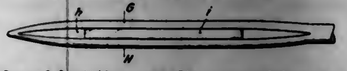
to the first said arm, at least one of said arms having a slot inclined longitudinally of the beam gudgeon at an acute angle to the horizontal, and a bolt passing through said slot and the other of said arms transversely of the beam gudgeon, said locking member being pivotally supported by said bolt for adjustment about the axis thereof and said bolt being adjustable longitudinally of said slot to thereby adjust said locking member toward and from said bearing.



### 2,117,143
### HAND KNITTING NEEDLE

Oskar Burger, Stuttgart-Sud, Germany

Application June 22, 1936, Serial No. 86,679
In Germany August 9, 1933
6 Claims. (Cl. 66—117)



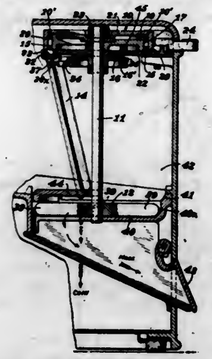
1. A hand knitting needle comprising a cylindrical portion, a point at at least one end of the cylindrical portion, a broadened end portion between the point and the cylindrical portion, the diameter of the broadened portion exceeding the diameter of the cylindrical portion, and a pair of slits extending through the broadened portion at right angles to each other, and an insert in each slit.

### 2,117,144
### COIN CONTROLLED DISPENSING AND SIGNAL APPARATUS

James Wallace Calvert, Baltimore, Md., assignor to Charles E. S. Townsend, Baltimore, Md.

Application January 9, 1936, Serial No. 58,402
11 Claims. (Cl. 194—85)

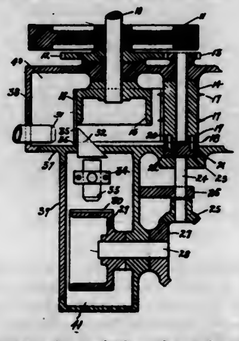
3. Coin controlled mechanism comprising a rotary coin carrier member peripherally recessed to receive coins individually and turning about a vertical axis, an impelling member to engage the rear edge of a coin to move the same forward, and thereby move the rotary coin carrier member, a carrier for said impelling member overlying the rotary coin carrier member and receiving the upper edge of the coin to lock the carriers together, said impelling member and its carrier being horizontally disposed about said vertical axis and having limited forward and backward movement to thereby, through contact with the successively introduced coins, impart a step by step movement to the rotary coin carrier member, said coins successively dropping by gravity from the rotary coin carrier member, said rotary coin carrier member having radiating projections forming the said recesses within which the coins lie in planes substantially tangential to the periphery of said member.



### 2,117,145
### FILM-PHONOGRAPH FOR REDUCING A SOUND TRACK AND REPHOTOGRAPHING THE REDUCED TRACK ONTO A NARROW INDEPENDENT FILM REMOTE FROM THE MASTER FILM

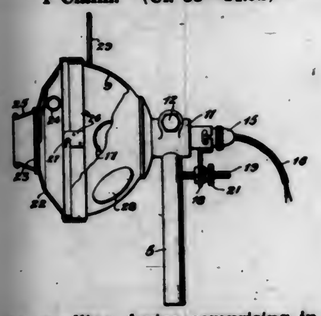
Don Canady, Cleveland, Ohio

Application April 22, 1937, Serial No. 138,462
2 Claims. (Cl. 88—24)



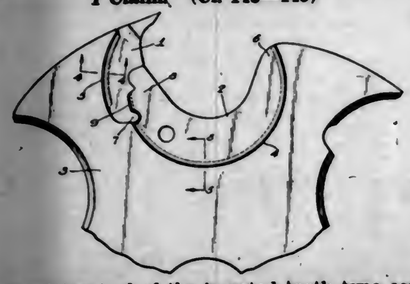
1. In an apparatus of the class described comprising in combination, an optical system for translating sound vibrations to a film strip by the use of light varied in accordance with sound waves, a recording drum, a film sprocket, a master film strip, the aforesaid film strip passing over the recording drum and sprocket in arcual contact, the film sprocket being provided with bores at an end thereof in a direction parallel with the axis of the sprocket, coupling pins, the bores and pins providing a clutch member intermediate the sprocket and a driven shaft, a toothed wheel fast on the driven shaft and meshing with a toothed wheel fast on a shaft having a scanning drum fast thereon, a second film on the scanning drum, means for projecting an image from the master film in reduced size onto the surface of the second film spaced laterally from the master film, and means including a prism forming an angle placed in selected location relative to the film, and a lens system for imaging the image on the master film in reduced size onto the second film.

**2,117,146**
**EGG CANDLING APPARATUS**
**Walter Austin Caswell, Winnipeg, Manitoba, Canada**
**Application July 13, 1936, Serial No. 90,445**
**1 Claim. (Cl. 88—14.92)**



An egg candling device comprising in combination a sectional casing consisting of a semi-spherical rear section and an outer section, means for detachably connecting the sections of the casing together, a cylindrical sleeve formed with and projecting from the axis of said rear section, supporting means, means for rotatably mounting said sleeve within said supporting means, a lamp arranged within said semi-spherical rear section and adjustably mounted within said sleeve, a lens covered opening formed within said outer section and arranged in a path contiguous with that of the axis of said semi-spherical rear section, a hood projecting from said outer section and encircling said lens covered opening thereof, whereby a concentrated beam of light may be directed upon an egg to be examined when placed in front of said hood, said semi-spherical section having light emitting openings formed therein whereby rays of light from said lamp may be used for illuminating purposes, and a handle secured to said casing whereby the latter may be manually rotated upon said support for causing the rays of light passing through the openings of said semi-spherical section to be projected at various angles.

**2,117,147**
**INSERTED TOOTH SAW BLADE**
**Richard C. Charlton, Philadelphia, Pa., assignor to Henry Disston & Sons, Incorporated, Tacony, Pa., a corporation of Pennsylvania**
**Application February 21, 1936, Serial No. 65,142**
**1 Claim. (Cl. 143—145)**



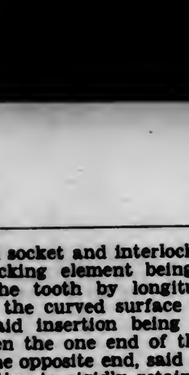
A cutting tool of the inserted tooth type comprising in combination a metallic blade body having in an edge thereof a re-entrant arcuate tooth-receiving socket, a tooth seating at one side of said socket, and a segmental locking element also seating in said socket and interlocking with said tooth, said locking element being forcibly inserted with the tooth by longitudinal sliding movement on the curved surface of the socket and during said insertion being placed under tension between the one end of the socket and the tooth at the opposite end, said element being thereby operative to rigidly retain the tooth in position, and said tool being provided with a coating of metallic cadmium forming a film of that metal between the contacting surfaces of the blade body and one or both of the inserted elements.

**2,117,148**
**HINGE**
**Jesse S. Clark, Lemon Grove, Calif.**
**Application January 22, 1937, Serial No. 121,749**
**2 Claims. (Cl. 16—183)**



1. The combination in a hinge of two U-shaped pieces each comprising a flat base portion and two flat rectangular extending portions with posts fixed to the outer corners of the extending portions of one U-shaped piece and notches in corresponding corners of the other U-shaped piece to engage the posts in assembled relation of the hinge, one of the U-shaped pieces being narrower than the other to allow the hinge to work freely.

**2,117,149**
**PACKING STABBER**
**Jerry M. Clevenger, Maywood, Ill.**
**Application March 1, 1937, Serial No. 128,545**
**5 Claims. (Cl. 164—119)**



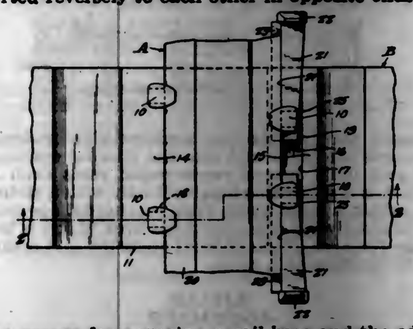
1. A packing stabber comprising a guide, a tubular cutter of the impact type, resilient means cooperable on the guide and said cutter for propelling the same, and means operating within the tubular cutter for ejecting material lodging therein.

**2,117,150**
**RAIL ANCHOR AND TIE PLATE**
**Harry A. Cook, Winnebago, Nebr.**
**Application November 30, 1936, Serial No. 113,521**
**2 Claims. (Cl. 238—364)**

1. A combined anchor and tie plate comprising a body having an inset rail bearing in its top face,



said body at one side of the longitudinal center line of said bearing having a longitudinally extending groove provided with vertical side walls parallel with each other and to the longitudinal center line of said bearing, the outermost side wall of the groove being extended upwardly for effecting a shoulder, spike-like wedging keys inserted reversely to each other in opposite ends of



the groove for engaging a rail base and the edge of the outermost side wall of the groove, and spikes passed through the keys and plate body next to the inner ends of said keys and having heads overhanging the rail base for the fastening thereof upon the bearing, said keys and plate body having openings for said spikes adapted to register when the keys are in their driven positions.

**2,117,151**
**TIN BOX INTENDED TO BE VACUUMIZED, OR LIKE CONTAINER**
**Alan Fraser Cowan, Shirley, England, assignor to The Metal Box Company Limited, London, England, a company of Great Britain**
**Application August 30, 1935, Serial No. 38,632**
**In Great Britain September 22, 1934**
**5 Claims. (Cl. 220—31)**



5. A box or like container, adapted to be vacuumized, comprising a body portion having an outwardly curled edge, a lid having a depending flange provided with a beaded edge and having a peripheral bed adjacent said flange, a gasket disposed in said peripheral bed and adapted to seat against the curled edge of said body portion, and a hinge joint connecting said lid with said body portion and including a socket integral with the curled edge on said body portion and a pintle formed by a portion of the beaded edge on the lid flange, said pintle extending within said socket and only partially occupying the space within said socket whereby to permit the lid to seat freely upon the container before it is vacuumized and also to permit the pintle to move downwardly a distance greater than the amount of reduction in thickness of the gasket when the container is vacuumized.

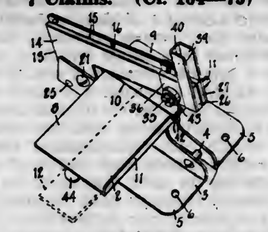
**2,117,152**
**PIPE JOINT**
**Pietro Cresti, Milan, Italy**
**Application June 26, 1936, Serial No. 87,554**
**In Italy June 26, 1935**
**5 Claims. (Cl. 285—91)**

1. Flexible piping elements for the conveyance of combustion gases from one boiler unit to another, comprising a plurality of cup-shaped members having concentric outer spherical surfaces forming the contact end of one piping element, and other cup-shaped members having concentric inner cylindrical surfaces circumscribing said



first surfaces and forming the contact end of the other piping element, said contacting spherical and cylindrical surfaces forming a sealing connection between said members while permitting longitudinal and lateral movements of said piping elements.

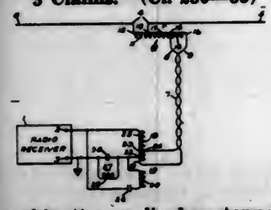
**2,117,153**
**BELT AND TAPE CUTTING MACHINE**
**James K. Diamond, Grand Rapids, Mich., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich.**
**Application January 15, 1936, Serial No. 59,215**
**7 Claims. (Cl. 164—73)**



1. In a cutting and trimming machine, the combination of a base comprising a pair of angular base members disposed oppositely with their vertical webs in spaced relation, a table comprising a pair of plates mounted on the upper edges of the vertical webs of said base members with the adjacent edges of the plates in spaced relation providing a cutter slot, said plates having upturned flanges on their front edges providing a work fence, a combined cutter bar and work holder member consisting of a pair of channeled stampings disposed in opposed relation providing a longitudinal cutter bar slideway between them, there being a longitudinal slot at the bottom of the said slideway, said holder member having a downwardly projecting pivot arm at the rear end thereof pivoted between the upright portions of said base members, said work fence being recessed to receive said holder member when it is in its work clamping position and constituting positioning means therefor, a spring disposed between said base members and connected to said holder member pivot arm at the rear of its pivot, whereby the spring acts to swing the holder member upwardly to retracted position, a cutter bar slidable in said holder member, a cutter blade on said cutter bar disposed with a portion of its cutting edge projecting downwardly through said slot at the bottom of the slideway when the holder member is in work engaging position, said cutter bar having upwardly projecting handholds at its front end so that a pressure thereon will first swing the holder on its pivot to work clamping position and an immediate following pull will actuate the cutter bar, said holder member at its front end being provided with a depending cutter

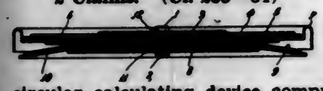
guard lying in front of the table when the holder member is in actuated position, and a stop on said holder member coacting with a groove in said cutter bar for limiting the stroke of the cutter bar, said stop being removable to permit withdrawal of said cutter bar.

2,117,154
**ALL-WAVE ANTENNA AND COUPLER SYSTEM**
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application August 27, 1937, Serial No. 161,247
5 Claims. (Cl. 250—33)



1. In combination, a dipole antenna, radio apparatus adapted to receive long and short waves, a transmission line adapted to have long and short wave currents circulating therein, means to couple said antenna to said transmission line for long and short wave currents, said means being constituted by a single winding, said winding having a section connected across the inner extremities of said antenna, a section connected across the upper extremities of said transmission line, and a section between said two sections, and means to couple said transmission line to said radio apparatus for both long and short wave currents circulating in said transmission line and supplied thereto through said winding.

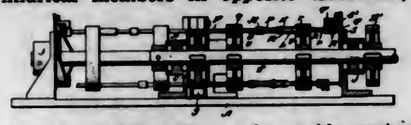
2,117,155
**CALCULATING DEVICE**
Cornelis Jan Dussel, The Hague, Netherlands, assignor, by mesne assignments, of one-half to Cornelis Adrianus Jelier, The Hague, Netherlands
Application February 10, 1936, Serial No. 63,243
In the Netherlands February 19, 1935
2 Claims. (Cl. 235—84)



1. A circular calculating device comprising a single center pin, a cover disc fixed to said pin, a rotatable transparent cursor disc provided with a marking line and mounted on said pin below the cover disc, a thin transparent disc fixed to said pin and arranged below said cursor disc, a graduated disc of smaller diameter than the cursor disc disposed below the latter and fixed to said pin, a rotatable graduated disc having a diameter larger than that of the first mentioned transparent disc and arranged below the first mentioned graduated disc, the outer edge of the rotatable disc surrounding the other discs and the rotatable graduated disc having a dished recess receiving the fixed graduated disc.

2,117,156
**MOLDING MACHINE**
James Leslie Fairrie, London, England
Application February 24, 1936, Serial No. 65,463
In Great Britain February 26, 1935
10 Claims. (Cl. 107—8)

1. Apparatus for molding agglomerable material comprising a pair of rotatable cylindrical members in contiguous relationship, at least one of which has circumferentially spaced longitudinal mold spaces on its periphery, with the mold spaces of one cylindrical member opposite the cylindrical surface of the other member at the bight between the two, means for rotating said cylindrical members in opposite directions, a



hopper for feeding the agglomerable material towards the bight and into the chordal openings of said mold spaces, compression rams each of which is displaceable longitudinally with a sliding fit within a mold space when its chordal aperture is closed, over a cross-sectional area which is less than the area of the chordal aperture, and means to reciprocate said rams.

2,117,157
**CONTAINER**
Irving Flerman, New York, N. Y.
Application March 24, 1937, Serial No. 132,815
12 Claims. (Cl. 206—38)



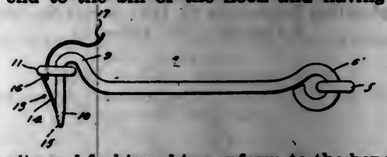
1. A container comprising a body portion having a plurality of compartments therein, a main cover movable with respect to said body portion, a plurality of individual cover portions for said compartments movable with respect to said body portion, a selecting member movably mounted on said container, and means operated by movement of said selecting member for selectively connecting said individual cover portions to said main cover, whereby upon moving said main cover one of said individual cover portions may be moved therewith.

2,117,158
**METHOD OF EXTERMINATING CORN BEETLES AND OTHER VERMIN**
Werner Freyberg and Walter Haupt, Delitzsch/Sachsen, Germany, assignors to Ernst Freyberg Chemische Fabrik Delitia, Delitzsch/Sachsen, Germany
No Drawing. Application October 16, 1935, Serial No. 45,368. In Germany November 6, 1934
7 Claims. (Cl. 99—225)

1. The method of exterminating vermin and their larvae in grain consisting in packing a metal phosphide in a gas-pervious packing and inserting the said packing without addition of a reagent into a heap of grain.

2,117,159
**HOOK AND EYE DOOR FASTENER**
Vincent Giardina and Andrew Primos, New Orleans, La., assignors, by direct and mesne assignments, to American Safety Hook Co., Inc., New Orleans, La., a corporation of Louisiana
Application March 8, 1937, Serial No. 129,751
3 Claims. (Cl. 292—107)

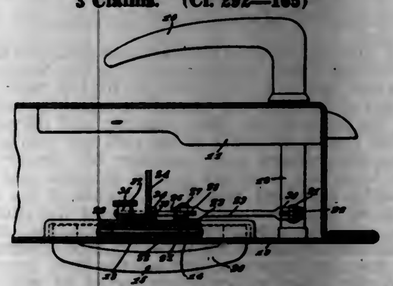
1. In a device of the class described, a pivoted hook having an attaching eye-screw, a safety latch attached to the bill of the hook, said latch comprising a strip of resilient steel attached at one end to the bill of the hook and having its



opposite end fashioned to conform to the bend of the hook in substantial spaced parallelism, the free end of said latch being formed into a finger piece overlying the shank portion of said hook.



2,117,160
**DOOR LATCH OPERATING MECHANISM**
Robert E. Gale, Sawyerwood, Ohio
Application June 23, 1936, Serial No. 86,860
3 Claims. (Cl. 292—165)



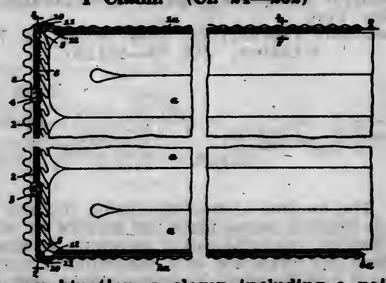
1. A bolt operating means comprising a bolt operating shaft, a pivoted handle, a cam on the handle, a bell crank lever connected to the bolt operating shaft for rocking the bolt operating shaft, a roller on the free leg of the bell crank lever against which the cam impinges to rock the bell crank lever when the handle is rocked on its pivot, and a stationary track for guiding the roller during rocking movement of the bell crank lever.

2,117,161
**MICROSCOPE**
George B. Gallasch and Henry F. Kurtz, Rochester, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application June 27, 1935, Serial No. 28,683
14 Claims. (Cl. 88—39)



10. In a microscope a supporting member, a microscope tube member slidably mounted thereon, spaced gibs on one of said members, an inwardly facing bearing groove on each gib, said grooves being substantially parallel, a block on the other member adapted to extend between said gibs, an outwardly facing bearing groove on each side of said block complemental to the groove on the adjacent gib, a plurality of freely rotatable bearing elements in each pair of grooves, cage means for said elements, stop means secured to one of said members for limiting the movement of said cage means, a fine adjustment means carried by said supporting member and operating means actuated by said fine adjustment means to move said block and said gibs relatively to focus said microscope tube.

2,117,162
**PACKAGE AND PACKAGE IMPLEMENT**
Ralph W. Harris, Pequannock, N. J.
Application May 19, 1936, Serial No. 80,504
1 Claim. (Cl. 24—262)



In combination, a clamp including a pair of elongated substantially counterpart members each consisting of a stiff flat strip having its end portions in substantially right-angular relation to each other, one end portion of each member projecting reversely to and lapping and being confined to an end portion of the other member but slidable lengthwise of such end portion of the other member to extend or collapse the clamp, and said lapping end portions of the members presenting flat faces to each other, and an elongated flat flexible envelope of sheet material arranged in direct sheathing relation to the lapping end portions and being attached to the other end portions of such members, said envelope having its longitudinal dimension as great as the distance between said other end portions when the clamp is substantially fully extended and being free of said members between the points of attachment to said other end portions.

2,117,163
**COAT AND METHOD OF MANUFACTURE**
Joseph Haspel, New Orleans, La., assignor to Haspel Brothers, Inc., New Orleans, La.
Application October 2, 1937, Serial No. 167,058
4 Claims. (Cl. 2—268)



1. In a method of manufacturing a coat, the positioning of a pair of oppositely disposed padding and supporting means relative to the shoulders and the heads of the sleeves of the coat, positioning oppositely disposed retainers in encompassing relation with respect to the portions of said means constituting the supports for the sleeve heads, securing one end of the retainers to the coat body in proximity to the armholes in the latter securing the other end of the retainers

to the inner face of the coat sleeves in proximity to the armholes and simultaneously with the securing of the said other ends of the retainers anchoring the said means with the retainers and sleeves.

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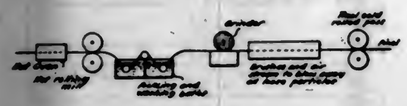
2,117,164

**METHOD OF MANUFACTURING CONTACT RECTIFIERS**

Edgar A. Harty, Marblehead, Mass., assignor to General Electric Company, a corporation of New York

Application February 21, 1935, Serial No. 7,636

8 Claims. (Cl. 29—155.55)



1. The method of manufacturing rectifier elements from a metal plate the surface of which has foreign material rolled thereinto tending to prevent the formation of a compound of a metal on said surface, which includes rolling said plate to reduce the thickness thereof by a predetermined amount, pickling said plate, griding said surface to a depth sufficient to remove from said plate a layer of substantial thickness exposing a smooth and continuous metal surface thereby to remove all of said foreign material remaining after said pickling and to expose a clean surface of said metal for said formation of the compound, and rolling said plate to smooth said surface.

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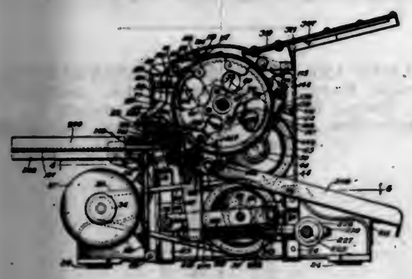
2,117,165

**DUPLICATING MACHINE**

John W. Hernlund, Western Springs, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Application October 14, 1935, Serial No. 44,911

19 Claims. (Cl. 101—132)



1. A duplicating machine comprising a frame, a drum rotatable therein, gripping means to clamp a master sheet on said drum, a pressure roller for pressing copy sheets against the drum, power driven means for rotating said drum including a continuously driven member, a control device operable to secure the drum to said member for a single rotation of the drum and release the drum from said member, said device including means to lock the drum stationary in the same position after each rotation, and a second control device operable to connect the drum to said member for a part of a rotation of the drum, said second device including means to lock the drum in a different position after said connection.

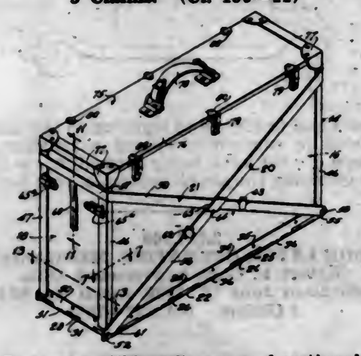
2,117,166

**PORTABLE COMBINATION TABLE AND TOURIST CASE**

Robert L. Hestes, Fyote, Tex.

Application September 28, 1937, Serial No. 166,209

5 Claims. (Cl. 190—11)



1. In a convertible suit case and sectional table structure, a first member providing the bottom of the suit case and central section for the table top, a pair of foldable and extendible members hinged to the sides of the first member and providing when folded the sides of the suit case and when extended hinged outer sections for completing the table top, a second pair of foldable and extendible members hinged to the ends of the first member and providing when folded the ends of the suit case, a pair of oppositely disposed foldable and extendible legs, one pivotally connected at one end with one end of the first member and the other pivotally connected at one end with the other end of the first member, said legs when extended providing supports for the table top and when folded encompassing said pairs of members for retaining these latter in folded relation, and the said second pair of members when extended providing fillers for a portion of the length of said legs.

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2,117,167

**BRACKET AND HEADBOARD FOR VENETIAN BLINDS**

James K. Heymer, Minneapolis, Minn.

Application October 14, 1937, Serial No. 168,927

10 Claims. (Cl. 156—17)



1. Venetian blind construction comprising, a pair of brackets adapted to be mounted on a window frame and each including a member disposed in a vertical plane normal to said frame, one of said members having means for one end of a head board to rest upon, the second of said members having a horizontal series of spaced projections on the inner side thereof for the second end of a headboard to rest upon, and a headboard resting at its respective ends on said means and said projections, the second end of said board being cut away in portions to leave spaced projections normally approximately registering with and resting upon the projections of said second bracket whereby said second end of the headboard may be moved laterally to shift the projections thereof out of registration with the projections of said second bracket to enable downward movement of said second end relative to said second bracket.



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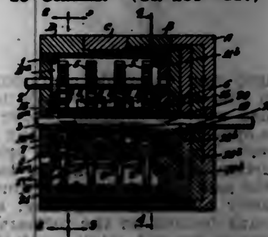
2,117,168

**COUNTER WITH TELESCOPED NUMBER WHEELS**

Adolf Hohmer, Brooklyn, N. Y.

Application September 9, 1935, Serial No. 40,819

15 Claims. (Cl. 235—117)



1. A counter including its transfer mechanism, comprising a plurality of telescoping number wheels surrounding said transfer mechanism, said transfer mechanism separately constructed, but operatively connected with said number wheels, with the outer peripheries of the number wheels forming a smooth, substantially drum-shaped body.

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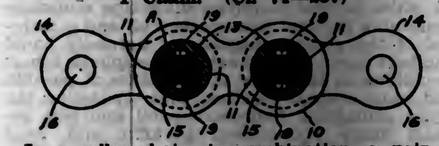
2,117,169

**CHAIN**

John C. Howe, Sandusky, Ohio

Application October 28, 1935, Serial No. 47,056

1 Claim. (Cl. 74—257)



In a roller chain, in combination, a pair of side bars, and a pintle connecting the same, a second pair of side bars having an end received within an end of said first-named pair, an interrupted sleeve connecting said second-named pair and non-rotatable with respect thereto, lugs on said second-named pair engaging and circumferentially spacing the elements of said interrupted sleeve, said sleeve surrounding said pintle, a roller rotatable upon said sleeve, said interrupted sleeve bearing comprising a plurality of arcuate members circumferentially spaced from one another throughout their length, the inner surfaces of said arcuate members forming elements of a cylindrical space concentric with said pintle, and the outer surface of said arcuate members forming elements of a cylindrical space concentric with said roller, said arcuate members collectively constituting a bearing for said pintle and for said roller.

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2,117,170

**HYDROMETER BARREL PLUG**

John Z. Heyer, Conshohocken, Pa., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois

Application September 18, 1936, Serial No. 101,511

1 Claim. (Cl. 265—45)

In combination, a hydrometer barrel having an open end, a resilient plug inserted in the open end of said barrel, said plug having an axial passage extending from one end of said plug partly through said plug, said plug also having a second passage extending from the other end of said plug partly through the plug and being out of alignment with the first-mentioned passage, said plug being further provided with a peripheral annular groove cooperating with the inner wall of the barrel to form an annular passage and having radial passages connecting said first and second mentioned passages with said annular groove, and an inlet nipple including a stem portion inserted in said first-mentioned passage.



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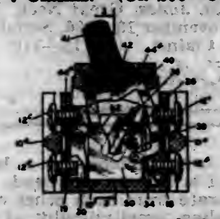
2,117,171

**UNIT TYPE TUMBLER SWITCH**

George A. Johnson, Trumbull, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut

Application May 17, 1935, Serial No. 22,090

7 Claims. (Cl. 200—67)



1. In a snap switch, an insulating casing, having integral bottom and side walls, a swinging U-shaped switching member, a pair of parallel plate-like formations of insulating material extending up from said bottom wall and providing bearings for the ends of the legs of said switching member and supporting said switch member in inverted position, a cover for said casing, an operating member pivotally mounted in said cover and extending therethrough, and snapping mechanism between the legs of said switch member for actuating said switching member.

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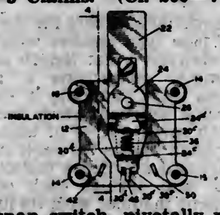
2,117,172

**SNAP SWITCH**

George A. Johnson, Trumbull, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut

Application August 2, 1935, Serial No. 34,465

3 Claims. (Cl. 200—70)




1. In a snap switch, pivotally mounted insulated manual operating means having a recess therein, a U-shaped switching member mounted on said operating means in said recess, spring means pressing said switching member into engagement with said operating means, means on

the ends of said switching member forming a resilient contact finger and lateral abutments, stop means engaged by said ends, said switching member moving substantially longitudinally as said operating means is actuated and then moving laterally to disengage from said stop means whereby said disengagement is accomplished with a snap motion.

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2,117,173
**EXPLOSIVE**
Norman G. Johnson, Wenonah, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 14, 1935, Serial No. 49,691
10 Claims. (Cl. 102—1)

1. A free-running, water-resistant dynamite comprising comminuted gelatin dynamite, the individual particles of which have a minimum dimension of ¼" and a maximum dimension of ¾", and a material separating said individual particles and preventing the coalescence thereof.

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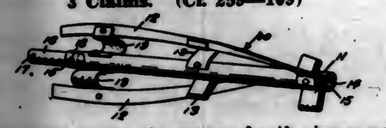
2,117,174
**TOOTH BRUSH**
James M. Jones, Great Neck, N. Y.
Application November 13, 1936, Serial No. 110,560
3 Claims. (Cl. 15—110)



1. A tooth brush comprising a head, longitudinal rows of bristles on said head, and flexible members separate from each other composed of rubber extending longitudinally of said head along said bristles at opposite sides thereof, and having scalloped longitudinal edges, the ends of said bristles and the scalloped edges of said members describing corresponding undulatory lines extending longitudinally of the brush.

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2,117,175
**SPIRAL SCRAPER FOR PIPE TYPE CHILLERS**
Rudolph Edwin Kaster, Louisville, Ky., assignor to Henry Vogt Machine Co., Louisville, Ky., a corporation of Kentucky
Application February 11, 1937, Serial No. 125,347
3 Claims. (Cl. 259—109)



1. Helical sectional scrapers for the inner walls of conduits of pipe type chillers which are characterized by relatively great length and relatively small diameter comprising a plurality of scraper sections each including a shaft section, means connecting adjacent shaft sections forming a joint with small degree of universal movement, spiral ribbon blades for each shaft section, springs supporting said blades distally from said shaft sections, said springs each comprising a U-shaped resilient member with its limbs parallel to a plane tangent to the shaft section, being secured thereto by one limb, the blade being fixed to the extremity of the other limb substantially at a right angle thereto, the open ends of said springs facing in the trailing direction with respect to the rotation of said blades.

2,117,176
**FINGER RING ENSEMBLE**
Roy B. Keehnel and Nadine Keehnel, Independence, Mo., assignors of fifty per cent to Benjamin B. Franklin, Kansas City, Mo.
Application April 19, 1937, Serial No. 137,681
4 Claims. (Cl. 63—15)



1. A finger ring ensemble comprising a primary band ring slotted transversely to its axis, and provided with an internal groove interconnecting the opposite ends of said slot; a secondary set ring removably mounted in said primary ring with a portion thereof resting in said groove and with the said set positioned beyond the outside periphery of the primary ring; and interlocking means formed on the primary and secondary rings to prevent relative rotation of the rings.

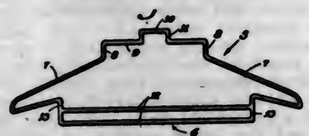
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2,117,177
**PRODUCTION OF BITUMEN**
Kernel Keil, Dortmund, Germany
No Drawing. Application August 24, 1934, Serial No. 741,296. In Germany December 4, 1933
5 Claims. (Cl. 196—13)

1. Process for treating a hydrocarbon oil containing paraffin and hard and soft asphalt in order to separate paraffin and hard asphalt together therefrom and to leave soft asphalt in the oil, which process comprises subjecting a mixture containing the said hydrocarbon oil and a material of the group consisting of normally liquid aliphatic esters of fatty acids and aliphatic ethers to chilling to cause the precipitation of paraffin and hard asphalt together, and separating the liquid containing hydrocarbon oil and soft asphalt from precipitated paraffin and hard asphalt.

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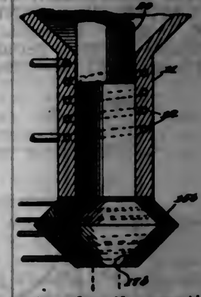
2,117,178
**SUIT HANGER**
Irving Klein, Averne, N. Y.
Application December 3, 1934, Serial No. 755,805
1 Claim. (Cl. 223—88)



A clothes hanger comprising synclined members for supporting a garment at the shoulders, a lower transverse part connecting said synclined members at their lower ends and including a pair of normally horizontal transverse supporting portions, an upper part joining the upper ends of said synclined members and including substantially vertical portions rising from the upper ends of said synclined members and disposed at substantially right angles to said horizontal portions of said lower transverse part, whereby effective means are provided to prevent sidewise movement of a coat placed on said hanger, a transverse bar integral with said vertical portions and formed centrally thereof into an open suspension loop forming the topmost part of the hanger.



2,117,179
**APPARATUS FOR PRODUCTION OF MOLDED ARTICLES**
Peter Kopp, Berlin-Friedenau, Germany
Application July 29, 1932, Serial No. 626,682
In Germany July 30, 1931
2 Claims. (Cl. 18—12)



1. An apparatus for the continuous production of uniform form-maintaining molded and finally hardened articles of unlimited length from hardenable artificial resin and artificial-resin containing materials, comprising a mold providing a short passage of substantially uniform cross-section, and an interchangeable nozzle portion for providing an open discharge end for said passage and having convergent internal walls terminating at the discharge end for restricting the movement of said material through the mold, said portion being constructed and arranged with the angle of said convergence for opposing predetermined resistance to the movement of said material, means for cooling the inlet of the mold, means for heating said interchangeable portion so that the maximum temperature exists closely adjacent the discharge end thereof whereby a predetermined heat condition may be established and maintained in the material for a time to effect the hardening of said material at said discharge end, and means for moving the material along said passage into and through said discharge end whereby said restricted portion may create a back pressure for effecting the establishment of said heat condition.

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2,117,180
**METAL CONTAINER**
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application October 14, 1935, Serial No. 44,970
3 Claims. (Cl. 220—64)



1. A container for beverages including a body portion and a lining completely covering and tenaciously adhering to the inner surface of the body portion, said body portion being formed of sheet metal, said lining being formed from petrolatum waxes separated in the de-waxing of residual lubricating oils and characterized by having a melting point of approximately 160° F., and of being ductile at approximately 40° F., whereby the lining is undisturbed in the pasteurizing of the beverage and remains unbroken upon the bending or flexing of the body wall of the container at refrigerating temperatures.

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2,117,181
**ANTIGLARE DEVICE**
David H. Lamar, Fairmont, W. Va.
Application September 13, 1937, Serial No. 163,663
2 Claims. (Cl. 296—97)



1. A device of the character described, comprising, a bracket, a panel of antiglare material secured to said bracket and movable therewith, a horizontally extending arm adjustably connected to said bracket whereby to permit adjustment of said panel to horizontal and vertical positions relative to said arm and fashioned with a depending end section adapted for pivotable mounting on the cowl of a motor vehicle, and a handle having an upwardly extending end section secured to said depending end section of the arm and an angularly disposed section adapted to extend within the passenger compartment of said motor vehicle whereby to operate said panel from within said compartment in vertical disposed position into and out of the line of vision of a person within said compartment.

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2,117,182
**METERING VALVE**
Dartrey Lewis, Boston, Mass., assignor, by mesne assignments, to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application March 27, 1936, Serial No. 71,097
9 Claims. (Cl. 251—34)



3. A metering valve designed to insure fluid flow in substantially direct proportion to the linear separation of the valve head from its seat, said valve including a seat device having an annular valve seat, a valve head including an elongate metering member of substantially uniform horizontal cross section, the seat device having therein a guideway in which said elongate member slides, said seat device also having a metering surface which intersects the guideway, the metering member and the wall of the guideway cooperating to form a metering channel having an outlet port and an inlet port, one of said ports being of trapezoidal shape and varying in size as the valve head moves toward and from its seat, the respective ports being of such relative size that the trapezoidal port determines the rate of

flow through the valve, the total area of said latter port at any lift being divisible into a substantially rectangular part whose area varies in direct ratio to the lift of the valve head from its seat and a part which is made up of two triangular portions whose combined areas are the equivalent of a single triangular part whose area varies substantially as the square of the lift, the width $b$ of the narrow base of said fluid determining port and the width $t$ of the wider base of said port at maximum valve opening being so related that

$$\frac{b}{t}=\text{from 0.15 to 0.75}$$

whereby the flow through the valve is caused to vary in substantially direct ratio to the lift of the valve head from its seat.

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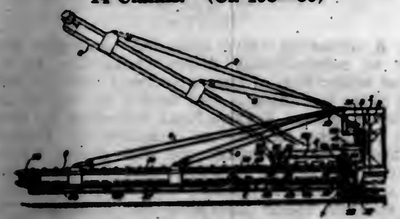
**2,117,183**
**CUSHION SOLE SHOE**
Henry G. Lumbard, Auburn, Maine
Application November 6, 1937, Serial No. 173,187
4 Claims. (Cl. 36—19)



1. An improved insole having a tough underlying ply of fibrous material which is flexible throughout the shank and forepart of the sole and stiff throughout its heel seat, and a soft flexible ply of cork and rubber composition extending continuously and homogeneously throughout the entire area of the sole and being united in continuous face-to-face engagement to said underlying ply.

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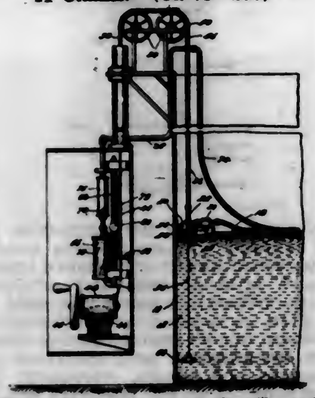
**2,117,184**
**CONCRETE PAVER**
Axel E. Lundbye, Nunda, N. Y., assignor to The Foote Company, Inc., Nunda, N. Y., a corporation of Delaware
Application May 14, 1936, Serial No. 79,818
14 Claims. (Cl. 198—56)



1. In a concrete paver, a boom, an endless conveyor, including tiltable buckets moving inwardly in their upper path of travel and outwardly in their lower path of travel, on said boom, a trough mounted above said endless conveyor, spirals revolving in opposite directions in said trough for forcing the aggregates outwardly over said buckets, gates in the trough for permitting the filling of the buckets from said trough, and means for discharging the buckets at a desired point along said boom.

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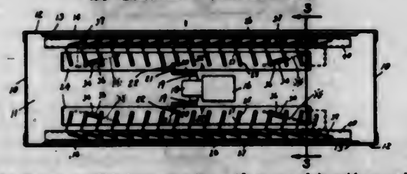
**2,117,185**
**APPARATUS FOR MEASURING THE VOLUME OF LIQUID IN A TANK**
Joseph M. Lynskey, Riverside, R. I.
Application February 27, 1937, Serial No. 128,244
11 Claims. (Cl. 73—290)



1. A device for use in measuring the volume of a liquid within a tank having a roof floating on the surface of said liquid including means to compensate for variations in the load on said roof and other conditions within said tank affecting the liquid level, comprising an immersion member of unvarying length from a fixed point on said roof and having a substantially relatively negligible displacement area projecting slightly below the liquid level in said tank, means operable from a point exterior of said tank at substantially the level of the base of said tank for measuring the height of a point of said roof fixed relatively to said member relative to the liquid capacity height of said tank and indicate it at substantially said point exterior of said tank and means for measuring the liquid pressure in said liquid at the depth of liquid penetration of the lower end of said member to indicate the depth of immersion of said member within said liquid thereby indicating at substantially said point exterior of said tank a calibrated correction of said fixed point height measurement for calculation of the amount of liquid in said tank.

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**2,117,186**
**MULTIIMAGE SIGN**
William E. MacLaren, Evansville, Ind.
Application December 19, 1934, Serial No. 758,153
Renewed November 22, 1937
20 Claims. (Cl. 40—62)



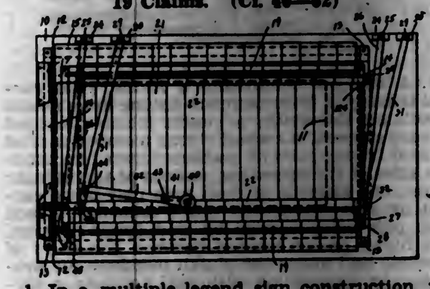
1. In a multi-image sign, the combination with a frame having an image exposing opening therein, a sign group including a plurality of stationarily mounted sign sections arranged in parallel, spaced and partially overlapping relation



and but slightly biased to the plane of the opening, another sign group including a plurality of similarly arranged sign sections, each nestable between the adjacent pairs of stationary sections, spaced means connecting the second group sections for group movement, the rearward edges of the second group sections terminating rearwardly of the first group sections, and means for reciprocating the second group to expose the image thereon when overlapping the exposed and image portion of the first group, said reciprocating means including a continuously rotating source of power, and a rotary to reciprocatory transformation connection including a lost motion arrangement for relatively quick projection and retraction movements of the second group sections.

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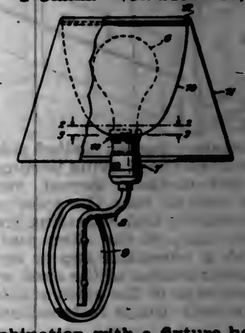
**2,117,187**
**MULTIIMAGE SIGN**
William E. MacLaren, Evansville, Ind.
Application April 19, 1937, Serial No. 137,650
19 Claims. (Cl. 40—62)



1. In a multiple legend sign construction, the combination with a frame having a legend exposing opening therein and a group of relatively stationary, spaced and parallel sign sections positioned immediately to the rear of the opening and biased to the plane thereof, of a plurality of movable sign section groups, each including similarly positioned, interconnected sign sections, a rotary-to-reciprocatory power transformation arrangement for successively exposing the legend of each group, means connecting said arrangement to one movable group, and a lost motion connection means between adjacent movable groups.

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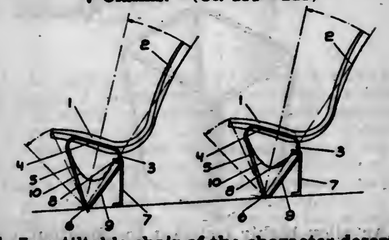
**2,117,188**
**ELECTRIC LIGHTING FIXTURE**
Joseph Markel and Duane L. Ripley, Buffalo, N. Y., assignors to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application October 28, 1936, Serial No. 108,046
1 Claim. (Cl. 240—127)



The combination with a fixture having a lamp and a socket for said lamp, said socket having a threaded section, of a bowl-shaped reflector for modifying the light from said lamp, said reflector being formed with an opening and having projections which extend into said opening and an adapter for mounting said reflector upon said socket, one end of said adapter being reduced in diameter and being threaded to co-operate with the threaded section on said socket, the other end of said adapter having a relatively close fit in said opening and being spaced from said socket, said other end having bayonet slots formed therein, said projections extending through said slots and into the space between said adapter and socket to secure the said parts in co-operating relation.

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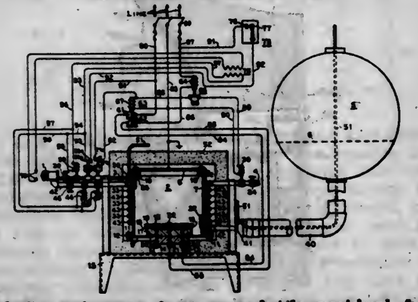
**2,117,189**
**TILTABLE CHAIR**
Bruno Mathsson, Varnamo, Sweden
Application October 25, 1937, Serial No. 170,941
In Sweden August 31, 1936
7 Claims. (Cl. 155—115)



1. In a tiltable chair of the character described, a seat, a back rest rigidly connected with said seat, a supporting structure for the combined seat and back rest, means for hingedly connecting said structure with the floor and adapted to make it tiltable around an axis positioned beneath the seat substantially at the middle of the same and extending substantially parallel with the row of chairs, and rigid standard means rigidly secured to the floor against which said supporting structure bears when the chair is in a normal fixed sitting position and from which it can be tilted forwardly only.

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**2,117,190**
**DOMESTIC HEAVY OIL BURNER**
Thomas Leslie May, Toronto, Ontario, Canada
Application September 14, 1936, Serial No. 100,759
13 Claims. (Cl. 158—73)

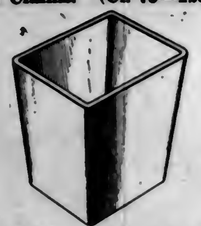


1. In a burner for non-volatile residual fuel oils of high viscosity at ordinary temperatures, the combination of a nozzle, a steam generator, a steam conduit connecting said generator to said nozzle, and an independent heating device associated with said generator, with an independent

means responsive to steam pressures within said generator for controlling the operation of said generator whereby to maintain within said generator steam pressures within predetermined upper and lower limits and to provide a substantially constant blast of steam at said nozzle during the operation of the burner, an oil conduit connected to said nozzle, and means supplying oil to said conduit and maintaining a pressure head of oil at said nozzle, said oil conduit having a portion adjacent said fuel oil supply adapted for the free flow of such oil therethrough at ordinary temperatures and another portion arranged in intimate heat transfer relation with the steam within the generator, whereby the oil therein acquires a relatively high temperature approaching that of the steam.

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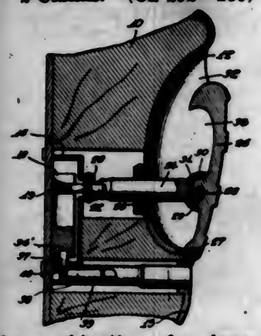
**2,117,191**
**ACID RESISTING ALLOY**
**Roy B. McCauley, Chicago Heights, Ill.**
**Application January 17, 1930, Serial No. 421,535**
**7 Claims. (Cl. 75—125)**



1. An alloy highly resistant to oxidation, containing iron and a non-ferruginous disembrittling metal combined with phosphorus; the iron and disembrittling metal together constituting from 95 to 75% of the alloy; the phosphorus being all combined with the metals to convert substantial portions of said metals into their phosphides; and the phosphorus being not less than 5 or more than 25% of the whole.

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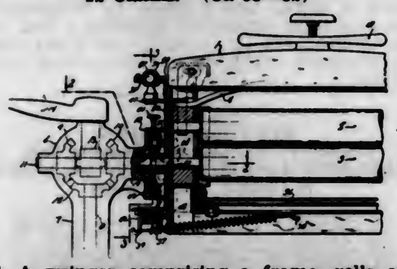
**2,117,192**
**AUTOMOBILE DOOR LOCK**
**Winsboro McClung, Merrick, N. Y., assignor of one-half to Benjamin C. Streng, New York, N. Y.**
**Application March 18, 1937, Serial No. 131,690**
**2 Claims. (Cl. 292—166)**



1. In the combination of a door and a latch therefor, a sheet metal cup shaped member providing a cavity in the outer face of said door, an operating handle for the latch constituting a closure plate for the cavity, a hinge pivotally connecting a horizontal outer edge of the cup-shaped member and a horizontal edge of said handle, the opposite edge of said handle being spaced from the corresponding edge of the recess for the passage of an operator's fingers to grip said handle.

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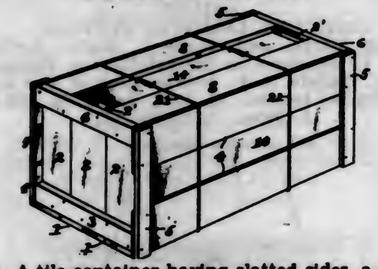
**2,117,193**
**SAFETY ROLL WRINGER**
**Alvin C. McCord, Detroit, Mich.**
**Application February 21, 1934, Serial No. 712,320**
**12 Claims. (Cl. 68—32)**



1. A wringer comprising a frame, rolls carried thereby, a frame support having drive means associated therewith, a clutch member carried by said support, a second clutch member carried by said frame, pairs of brackets located on opposite sides of the operating position of the wringer frame, one element of each such pair being carried by said frame, the other element of each such pair being carried by said frame support, and hinge means located between the pairs of brackets and above the clutch members for providing, in cooperation with said brackets, a pivotal mounting for the wringer frame, whereby it may be swung out of operating position to separate the clutch members and release the rolls from the drive means.

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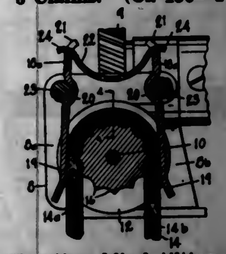
**2,117,194**
**CRATE FOR PACKING AND UNPACKING TILE**
**Harold S. McElroy, Philadelphia, Pa., assignor to Franklin Tile Company, Lansdale, Pa., a corporation of Pennsylvania**
**Application March 23, 1934, Serial No. 717,059**
**4 Claims. (Cl. 217—36)**



1. A tile container having slatted sides, a slatted bottom, slatted ends having portions extending above other portions thereof, vertical and cross-battens secured over the sides and along the ends respectively and extending transversely relative to the slats of the sides and ends respectively, and a removable top or cover which rests on the lower portion of the ends and is flush with the upper edge of the sides and the higher portion of the ends and is fastened on the container.



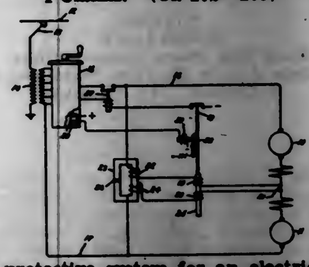
**2,117,195**
**VENETIAN BLIND TILTING MECHANISM**
**George F. McKerlie, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.**
**Application February 5, 1937, Serial No. 124,319**
**8 Claims. (Cl. 156—17)**



1. In a Venetian blind tilting mechanism, a driving pulley having a grooved periphery having V-shaped cord engaging lugs extending transversely thereof, a cord trained over said pulley, and means for holding said cord on said pulley with equal pressure on both sides and top of said pulley comprising a pair of levers each having a cord engaging end disposed in said grooved periphery and at opposite edges of the pulley and each having between its ends a bearing recess, and spring engaging means at the end opposite from said cord engaging end, a pair of fulcrum pins for said levers, one engaging the bearing recess of each lever on the side thereof opposite the pulley, and a leaf spring having means at its ends to engage the spring engaging means of the levers and tending to urge the ends of the levers engaged by the spring apart, whereby the cord engaging ends are urged toward said pulley to hold said cord thereon and in engagement with said cord engaging lugs and whereby said levers are held in position against said bearing pins.

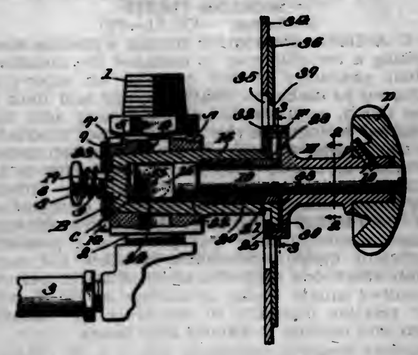
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**2,117,196**
**PROTECTIVE SYSTEM**
**Jacob W. McNairy, Erie, Pa., assignor to General Electric Company, a corporation of New York**
**Application August 20, 1937, Serial No. 160,102**
**4 Claims. (Cl. 172—179)**



4. A protective system for an electric vehicle provided with a pair of driving axles and a pair of electric motors separately connected to drive said axles, said motors being electrically connected for energization in series with each other, comprising means for applying a variable voltage to said motors to accelerate said motors, a relay for controlling the circuit of said motors, a pair of operating coils for said relay, a magnet core, a pair of windings on said core and connections connecting each of said relay coils in a circuit with one of said core windings across one of said motors so that said windings are energized accumulatively and said relay coils in opposition to each other.

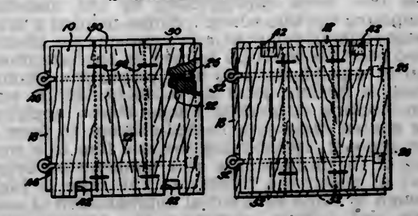
**2,117,197**
**COCK**
**Benjamin Edward Meacham, Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey**
**Application April 14, 1936, Serial No. 74,384**
**6 Claims. (Cl. 277—41)**



1. An improved cock, comprising a valve housing having a passageway therethrough, a primary valve adapted to open and close said passageway and provided with a passageway, a secondary valve for controlling the passageway of the primary valve, a common actuator for both of said valves, a finger carried by said actuator, an opening in which said finger travels, means in said actuator to permit actuation of the secondary valve independent of the primary valve, the peripheral edge of said opening provided with a depression, and said finger and depression preventing accidental actuation of the secondary valve beyond a certain point when said valve is moved in a closed direction and when the primary valve is in an open position, for the purpose described.

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**2,117,198**
**FLOORING**
**John Megee, St. Joseph, Mich.**
**Application May 17, 1937, Serial No. 143,168**
**2 Claims. (Cl. 20—8)**

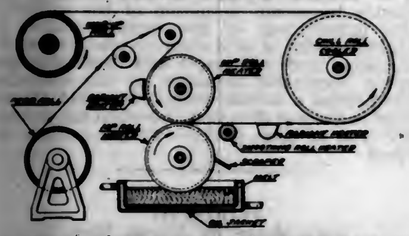


1. A building unit having a tongue and groove for interlocking relation with the tongue and groove of a similar unit, said building unit comprising a plurality of elements, rod means extending transversely through the elements, and a nut on one end of said rod means, said rod means having its opposite end offset to provide an abutment, said abutment having pressure relation with one side of the unit and said nut having pressure relation with the opposite side of the unit, said nut being housed within the contour of the unit, said abutment having an eye located exteriorly of the unit for the reception of a fastening element, to secure the unit to a supporting structure.

**2,117,199**
**MOISTUREPROOF COATED PAPER AND PROCESS OF MAKING THE SAME**
**Bert C. Miller, Montclair, N. J., assignor to Bert C. Miller, Inc., New York, N. Y., a corporation of New York**
**No Drawing. Application March 21, 1934, Serial No. 716,643**
**8 Claims. (Cl. 91—70)**

1. A fibrous foundation having a coating comprising a metallic soap to enhance the moistureproof character of the coating, an ester-gum adapted to make the coating glossy and hard to the touch, a plasticizer and a stearic acid wax adapted to increase the moistureproof character of the coating without the use of as much metallic soap as might otherwise be necessary to attain the same moistureproof character without the stearic acid wax, the proportions of materials in the coating being such that the foundation appears substantially transparent and possesses sufficient moistureproofness to allow not more than about one half of a gram of water per one hundred square inches of surface at 70° F. with 50° relative humidity to penetrate the foundation and coating in twenty four hours.

**2,117,200**
**COATED PAPER**
**Bert C. Miller, Montclair, N. J., assignor to Bert C. Miller, Inc., New York, N. Y., a corporation of New York**
**Application December 17, 1936, Serial No. 116,248**
**7 Claims. (Cl. 91—70)**



1. The process of providing a high gloss thin surface film firmly adhering to a porous flexible base free from impregnation by the material composing the film which includes melting a synthetic resinous composition comprising the plasticized reaction products formed by the esterification of a polybasic acid by a polyhydric alcohol which is flexible, hard up to about 120° F. and non-blocking at normal temperatures, applying the molten resin to a heated element to form a film thereon, transferring the said film to a surface of the flexible base at a temperature below that at which the fluidity of the resin is high enough to cause substantial impregnation of said base, and quickly solidifying the resinous film substantially entirely by cooling before the film has substantially impregnated said foundation and heating the exposed surface of the film to smooth it.

**2,117,201**
**VEHICLE BUMPER**
**Lloyd Miller, North Webster, Ind.**
**Application October 16, 1936, Serial No. 105,999**
**1 Claim. (Cl. 88—81)**

A vehicle bumper comprising a body bar, light reflecting plates secured to the bar at regular spaced intervals thereon and extending from the upper to the lower edges thereof, said plates having substantially truncated pyramidal shaped depressions therein providing light reflecting facets, two of said plates being at the ends of the bar and following the shape of the end portions thereof, one of said plates being at the



center of the bar and of triangular formation, the other plates having side edges directed at an inclination to follow the inclined edges of the center plate, and dark surfaces on said body between said plates.

**2,117,202**
**TOWEL HOLDER**
**Leonard M. Moore, Chester, Va.**
**Application August 31, 1936, Serial No. 98,785**
**2 Claims. (Cl. 128—164)**



2. A towel holder comprising plates, flexible strips between said plates and one of said strips fixed to the plates and the other strip mounted to the plates for a limited sliding movement relative thereto, separable head straps connected to said plates, and flanges on said plates to aid in retaining a towel in engagement with the plates and strips.

**2,117,203**
**KNOB LOCK**
**Raul Dies Muro, Habana, Cuba**
**Application August 22, 1936, Serial No. 97,326**
**3 Claims. (Cl. 70—216)**



3. A device of the character described, including a barrel, a knob on the barrel, key-controlled locking means between the barrel and the knob, a fixed plate having slots therein, a dial fixed to the knob, a tooth on the dial adapted to enter any of said slots, and means permitting longitudinal movement of the knob on the barrel when a key is in the lock.

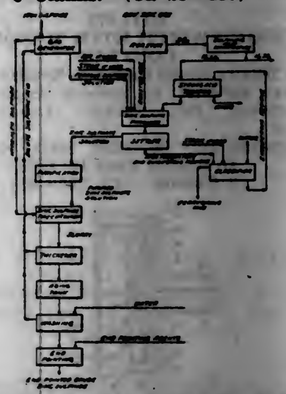


**2,117,204**
**PIN SPOTTING MECHANISM**
**John F. Murphy, Middlebero, Mass.**
**Application May 1, 1937, Serial No. 140,264**
**2 Claims. (Cl. 273—46)**



1. Pin spotting means for bowling alleys having stud openings therein, said means comprising a plurality of stud raising bars longitudinally extended beneath the alley in parallel arrangement, studs loosely positioned on the bars and adapted, when projected through the stud openings in the alley, to spot the pins, the bars operative individually on the studs for the pins normally grouped in the same vertical planes with the respective bars, a lever and a link respectively secured to opposite bar ends with supports for said levers and links, and a foot treadle with means connected thereto and separately to each bar whereby each bar is separately adjustable and removable while preserving the assembly as a whole.

**2,117,205**
**ZINC SULPHIDE**
**Arne J. Myhren, Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey**
**Application April 6, 1935, Serial No. 14,991**
**6 Claims. (Cl. 23—135)**



6. A process for the production of zinc sulphide precipitate which comprises reacting a sulphuric acid solution with iron sulphide to produce hydrogen sulphide and ferrous sulphate solution, reacting the ferrous sulphate solution with zinc oxide to produce zinc sulphate solution and a ferruginous precipitate, and reacting the zinc sulphate solution with the hydrogen sulphide to produce a zinc sulphide precipitate.

**2,117,206**
**FISHING LURE**
**James A. Neff, Dover Center, Ohio**
**Application November 11, 1936, Serial No. 110,360**
**1 Claim. (Cl. 43—46)**

A lure of the class described having a diaphanous body, said body having a multiplicity of recesses on its exterior surface, mirror means in said recesses, the body remaining diaphanous between the mirror means at the surface of the body, said body having luminous means on the



interior thereof observable between the mirror means.

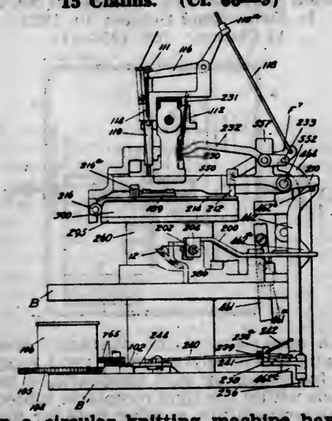
**2,117,207**
**AMINO ACIDS**
**Ludwig Orthner, Frankfort-on-the-Main, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany**
**No Drawing. Application January 20, 1936, Serial No. 59,998. In Germany September 19, 1934**
**10 Claims. (Cl. 260—112)**

1. As new products amino acids of the formula

$$R-N-CH_2-N-X$$
$$\quad\;\; R_2 \qquad\;\; R_1$$

in which X is a low molecular organic radical containing an acid group selected from the group consisting of the carboxylic and sulfonic acid groups, R is a radical containing at least 8 carbon atoms selected from the group consisting of the radicals of carboxylic acids, sulfonic acids and acid sulfuric esters, and $R_1$ and $R_2$ stand for a substituent selected from the group consisting of hydrogen, alkyl, cycloalkyl and aryl.

**2,117,208**
**MACHINE AND METHOD FOR MAKING KNITTED FABRIC**
**Albert E. Page and Frank R. Page, Brooklyn, N. Y., assignors to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts**
**Application April 8, 1936, Serial No. 73,376**
**15 Claims. (Cl. 66—9)**



1. In a circular knitting machine having independent needles and a dial having knitting instrumentalities for holding and transferring loops of a body yarn in the knitting of a welt, means for feeding an elastic yarn to said needles and means for operating said needles to interlace said elastic yarn with the needles but not knit the elastic yarn thereon during the knitting of the welt and the transfer of loops of the welt from the dial knitting instrumentalities to the needles.

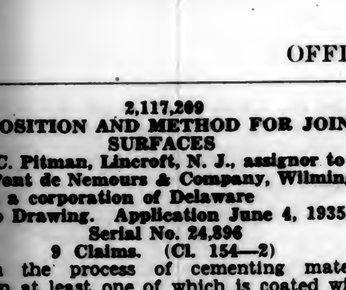
2,117,209
**COMPOSITION AND METHOD FOR JOINING SURFACES**
Earle C. Pitman, Lincroft, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 4, 1935, Serial No. 24,896
9 Claims. (Cl. 154—2)

3. In the process of cementing materials wherein at least one of which is coated with a cellulose derivative cement and allowed to dry before joining the parts, the improvement which comprises activating the said film with a composition which on evaporation leaves substantially no residue and which has an active solvent power on the said dry cellulose derivative film and which consists of 95 to 99.5% of a highly volatile organic liquid and from 0.5 to 5% of an active solvent for the cellulose derivative which has an evaporation rate at room temperature lower than that of amyl acetate.

2,117,210
**MANUFACTURE OF SHAPED ARTICLES OF POLYMERIC ACRYLIC ACID NITRILE**
Herbert Rein, Leipzig, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 19, 1935, Serial No. 36,937. In Germany August 21, 1934
6 Claims. (Cl. 106—22)

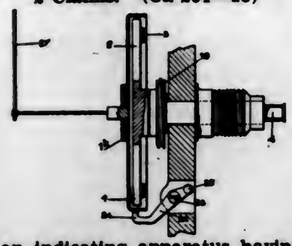
1. A process of producing shaped articles of polymeric acrylic acid nitrile which comprises treating polymeric acrylic acid nitrile with a pyridinium compound in the warmth until dissolution occurs, and forming the article from said solution.

2,117,211
**THERMAL MOTOR FOR REWINDING CLOCKS OR LIKE APPARATUS**
Jean Léon Reutter, Paris, France
Application September 26, 1934, Serial No. 745,564
In Switzerland October 10, 1933
14 Claims. (Cl. 185—11)



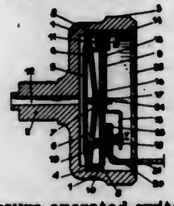
14. An apparatus of the character described, comprising a pivotally mounted rigid receptacle, a fluid for filling up said receptacle, a resilient receptacle within the rigid receptacle subjected to the same temperature, another fluid for filling up said resilient receptacle permanently separated from the first mentioned fluid, an eccentric mass rotatably mounted within the rigid receptacle, means connecting said mass and said resilient receptacle to transform the relative displacements of the receptacles into a rotating movement of said mass thereby causing the rotation of the rigid receptacle, and means to transmit said rotation to a mechanism for re-winding a clock or like mechanism.

2,117,212
**DAMPING MEANS FOR MAGNETIC SPEEDOMETERS**
Charles Hilaire Henri Rodanet, Neuilly-sur-Seine, France, assignor to Société Anonyme: Etablissements Ed. Jaeger, Levallois-Perret, France
Application June 30, 1936, Serial No. 88,085
In France July 24, 1935
2 Claims. (Cl. 264—13)



1. In an indicating apparatus having an oscillating indicating metal bell, a return spring for said bell, a permanent magnet rotatably driven in a constant direction and rotating within said bell in order to magnetically actuate the latter in antagonism to said return spring, a pivot fixed relatively to said bell, a lever of magnetic material pivoted on said pivot and arranged so as to be disengaged from the bell under the effect of its own weight and to come into contact with said bell and thereby braking it by the effect of the magnetic attraction exerted on this lever by said magnet when the latter passes opposite said lever.

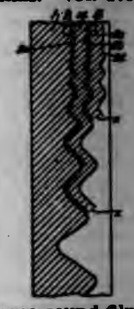
2,117,213
**ELECTRIC SWITCH WITH MANOMETRIC CONTROL**
Charles Hilaire Henri Rodanet, Neuilly-sur-Seine, France, assignor to Société Anonyme: Etablissements Ed. Jaeger, Lavallois-Perret, France
Application July 30, 1936, Serial No. 93,423
In France June 18, 1936
2 Claims. (Cl. 200—83)



1. In a pressure operated switch, a casing having an open end and so shaped as to have near its back wall a shoulder, a flexible diaphragm bearing at its periphery on said shoulder for forming a fluid-tight chamber between said diaphragm and said back wall of the casing, a rigid frustum-shaped disc resting on the periphery of said flexible diaphragm and having a perforation at its center, a cup-shaped member resting by its bent down edge on said disc and also having at its center a perforation located opposite the perforation of said disc, the casing, diaphragm, disc and cup being connected together in a fluid-tight manner by welding, a flexible blade secured, by one of its ends, on said cup, a movable contact mounted at the free end of said flexible blade, a stationary contact mounted on said cup so as to be electrically insulated therefrom and with which said movable contact normally engages, means passing through the perforations of the disc and of the cup and placed between said flexible blade and said flexible diaphragm, so that when the latter becomes distorted, it moves the movable contact away from the stationary contact by said means, a cover fitted on the open end of said casing for enclosing the various members contained in the latter.

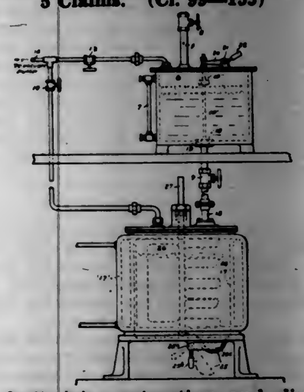


2,117,214
**SOUND RECORDING SYSTEM**
Henry Joseph Round, Muswell Hill, London, Frank Percival Swann, London, and Frank Arthur Round, Hendon, London, England
Application July 16, 1936, Serial No. 91,006
In Great Britain July 19, 1935
12 Claims. (Cl. 179—100.3)



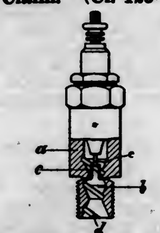
1. A variable area sound film having, over portions of its length corresponding to sound above a predetermined level, a single sound track bounded by a "cutting edge track" whose mean line is substantially centrally positioned with respect to the available record space on said film, and, over portions of its length corresponding to sound at or below said predetermined level at least one additional sound track to the side of and additional to said single sound track, said additional sound track being bounded by a pair of "cutting edge tracks" parallel to said first mentioned "cutting edge track", said tracks being spaced.

2,117,215
**FRUIT JUICE EXTRACTING AND DISTRIBUTING METHOD**
Valentine Ruch, Englewood, N. J.
Application July 17, 1936, Serial No. 91,042
5 Claims. (Cl. 99—155)



1. A fruit juice extracting and distributing method which comprises precooling the whole fruit before cutting; extracting the juice while the fruit is cold; subjecting the juice to a partial vacuum, and then to atmospheric pressure; again subjecting the juice to a partial vacuum, while agitating and slowly freezing the juice to slush form; then freezing the slush to solid form and keeping in solid form until ready for use; and then defrosting.

2,117,216
**SPARKING PLUG**
Gustav Ruthardt, Stuttgart-Zuffenhausen, Germany
Application September 25, 1935, Serial No. 42,034
In Germany October 8, 1932
1 Claim. (Cl. 123—169)



A sparking plug for internal combustion engines, comprising in combination a hollow sparking plug body, mass-electrodes and a central electrode in said body, said body having a passage extending to said electrodes and composed of a plurality of alternate conically widening and narrowing sections, and having a helical groove formed in the conically widening and narrowing sections of the passage.

2,117,217
**DANDY ROLL AND CYLINDER MOLD AND METHOD OF MAKING SAME**
Peter S. Sinclair, Holyoke, Mass.
Application January 22, 1936, Serial No. 60,270
7 Claims. (Cl. 245—10)

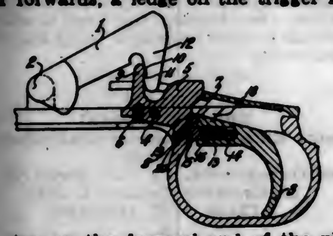


1. A seam for the woven wire covering of a dandy roll comprising a woven wire fabric having two edges on opposite sides of the seam, said edges extending parallel to the weft wires and transversely of the warp wires, the weft wire nearest to each edge being positioned slightly back therefrom so that the ends of the warp wires project beyond said weft wires, a member of fusible material positioned between the projecting warp wires of each edge, and means for controlling the flow of solder upon the application of heat so that the amount of solder flowing between the abutting ends of the warp wires is increased and the amount of solder drawn along the warp wires away from the edge is decreased.

2,117,218
**TRIGGER MECHANISM FOR FIREARMS**
Thomas Frederick Sanders, Slough, England, assignor to Sanders Small Arms Limited, London, England
Application July 23, 1937, Serial No. 155,336
In Great Britain February 18, 1937
3 Claims. (Cl. 42—69)

1. In a recoil loading firearm of the kind having a hammer, and means for returning the same to

the cocked position as re-loading is effected, trigger mechanism comprising in combination a trigger, a separate trigger release, a plunger slidably mounted in the trigger, a spring to urge the plunger forwards, a ledge on the trigger release



and a step on the forward end of the plunger located to enter normally into mutual engagement, and guiding means to draw the plunger back at a predetermined position in the movement of the trigger from engagement with the trigger release.

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2,117,219

**DIAPHRAGM**

William Clifford Shaw, Woodstock, Ontario, Canada, assignor, by mesne assignments, to Linderman Devices, Incorporated, Wilmington, Del., a corporation of Delaware

Application August 4, 1933, Serial No. 683,585
7 Claims. (Cl. 137—156.5)



1. A metallic diaphragm comprising a plurality of metal leaves each formed normally to lie in a common plane, means interconnecting said leaves to provide a plurality of superposed hollow expansible chambers, the walls of which are adapted to lit flat, one against the other when collapsed, certain of said leaves having openings adapted to receive the connections between certain other leaves to permit the nesting of said leaves when the diaphragm is collapsed.

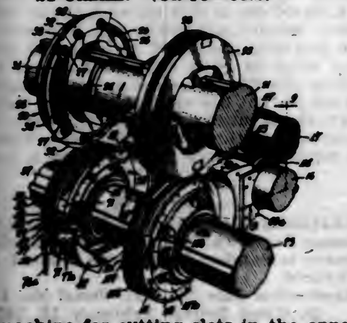
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2,117,220

**MACHINE FOR MAKING BOX BLANKS**

Karl Sieg, Philadelphia, Pa., assignor to Samuel M. Langston Co., a corporation of New Jersey

Application September 10, 1936, Serial No. 100,694
21 Claims. (Cl. 93—58.2)



1. A machine for cutting slots in the opposite edges of a box blank, including a pair of coacting rotary slotting heads, one having means for interchangeably and detachably mounting thereon two male slotting dies of different cutting outlines, and the other having a female slotting groove adapted to cooperate with one of said male dies to form a slot with parallel sides, and means on said latter slotting head for supporting a female die for registry with the other of said male dies to form a slot with an inclined portion.

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2,117,221

**METHOD AND APPARATUS FOR POSITIONING MULTIFOCAL LENS BLANKS**

Leon G. Simpson, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application January 3, 1935, Serial No. 264
5 Claims. (Cl. 51—277)



1. A device for positioning lenses comprising a base, a supporting pivot on said base, two spaced knife edge supports on said base equidistant from said pivot, a clamping member pivotally mounted on said base for holding a lens on said pivot and said supports and resilient means for urging said clamping member into lens holding position.

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2,117,222

**DANDY ROLL AND CYLINDER MOLD AND METHOD OF MAKING SAME**

Peter S. Sinclair, Holyoke, Mass.

Application January 22, 1936, Serial No. 60,269
7 Claims. (Cl. 245—10)



1. A seam for woven wire comprising a woven wire fabric having two opposed edges on opposite sides of the seam, said edges extending parallel to the weft wires and transversely of the warp wires, the weft wire nearest to each edge being positioned slightly back therefrom so that the ends of the warp wires project beyond said weft wires, a seam connecting member positioned between the opposed ends of said projecting warp wires comprising an inner reinforcing member and a layer of fusible material on each side thereof, each layer having a longitudinal projecting rib disposed along the middle thereof, said projecting ends of the warp wires abutting against the connecting member with the alternate wires diverging so as to provide a space in which the rib is positioned, said warp wires being secured to said seam connecting member by means of said fusible material.

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2,117,223

**PROCESS OF RECOVERY OF OIL FROM SPENT BLEACHING CLAY**

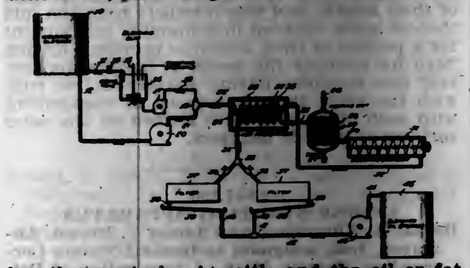
Edward M. Slocum, Macon, Ga.

Application May 21, 1934, Serial No. 726,823
3 Claims. (Cl. 87—6)

1. The process of recovering oils or fats from spent bleaching clay which comprises intimately mixing with the spent clay a solution of a reagent selected from the group consisting of water-soluble salts of iron, manganese, chromium



or aluminum, and water-soluble salts of amphoteric metal acids, covering the resulting mass with water, permitting the mass to stand to allow the spent clay to settle and the oil or fat to float to the surface of the water, and separating and recovering the said oil or fat.



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2,117,224

**SHEARS**

Joseph Sosa, Roselle, N. J.

Application March 27, 1937, Serial No. 133,293
7 Claims. (Cl. 30—229)



2. A cutting tool of the class described comprising pivotally connected handle members, a pair of blades extending from and actuated by said handle members, said blades having interengaging cutting edges extending longitudinally thereof, a pair of supplemental blades integral with the free end portions of the first named blade and offset with respect to and supported solely by the first named blades, said supplemental blades having interengaging cutting edges adapted to perform an independent shearing operation in the movement of the first named blades toward each other in performing a shearing operation, the intersection between the first named and supplemental blades being disposed in spaced relation to each other when both pairs of blades are in operative engagement with each other, and the intersections of said pairs of blades overlapping on the completion of the shearing stroke of said blades.

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2,117,225

**ENGINE STARTING MECHANISM**

Fred A. Stein, Jersey City, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application August 31, 1936, Serial No. 98,781
6 Claims. (Cl. 121—37)

1. In combination with an engine engaging member, means engageable with said engine engaging member to move the latter into engine engaging position in response to rotation thereof, additional means for moving said engine engaging member into engine engaging position independently of rotation thereof, means cooperating with said first named means to produce the rotation necessary to effect engaging movement



by operation of said first named means, and fluid pressure actuated means for causing said second named means to move said engine engaging member into engine engaging position independently of operation of said rotating means.

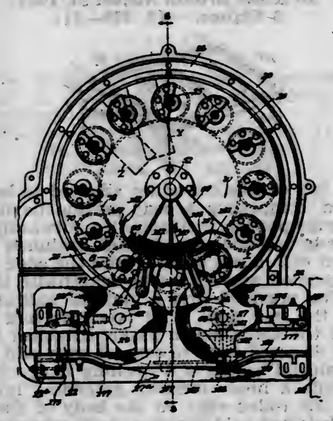
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2,117,226

**MIXING APPARATUS**

Robert J. Stewart, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application December 6, 1935, Serial No. 53,231
40 Claims. (Cl. 259—54)



1. An apparatus for mixing the contents of a container comprising a support, a member movable on said support in a fixed path, means upon said member to support a container and journaled for repeated end over end movement in a plane transverse to the path of movement of said member, and means to move said member and said container supporting means.

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2,117,227

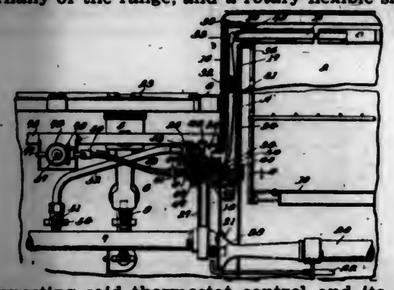
**GAS RANGE**

Arthur Stockstrom, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey

Application November 20, 1931, Serial No. 576,399
12 Claims. (Cl. 236—15)

1. In a cooking range, an oven and a cooking top portion adjacent thereto having beneath it a closed housing, a thermostat and a control means therefor for controlling the oven temperature, said thermostat and its control means being completely concealed within the oven and the housing beneath the cooking top, an operating

means for said thermostat control positioned externally of the range, and a rotary flexible shaft



connecting said thermostat control and its operating means, for the purpose described.

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2,117,228

## TIN BOX OR LIKE CONTAINER INTENDED TO BE VACUUMIZED

Arthur Leslie Stuchbery, Palmers Green, London, England, assignor to The Metal Box Company Limited, London, England, a company of Great Britain

Application August 30, 1935, Serial No. 38,619
In Great Britain August 31, 1934
5 Claims. (Cl. 220—31)



1. A box or like container adapted to be vacuumized, comprising a body portion having the upper edge portion thereof rolled outwardly, said rolled edge at one side of said container being provided with a slot opening into the edge of the rolled portion and extending lengthwise thereof and being provided with a limiting wall at each end of the said slots, a lid overlying said rolled edge of the container, a gasket attached to the lid and disposed so as to contact with said rolled edge, said lid having a depending flange shaped to provide a hinge member extending into the slot in the rolled edge on the body of the container between said limiting walls whereby said lid is guided in its tilting movements.

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2,117,229

## TOOL HANDLE WEDGE

Walter A. Sugg, Dickson, Tenn.

Application January 27, 1937, Serial No. 122,651
2 Claims. (Cl. 306—33)



2. A wedge for securing a tool head to its handle and formed from a single strip of flat resilient material folded midway its ends to provide side members outwardly curved in spaced relation with respect to each other for the major portion of their length, said side members from the fold thereof being disposed in contacting engagement for a portion of their length to provide a driving head for securing the wedge in position for use, said side members having sharpened free ends with the edges thereof disposed in engagement with each other, and teeth formed on the outer surfaces of the side members.

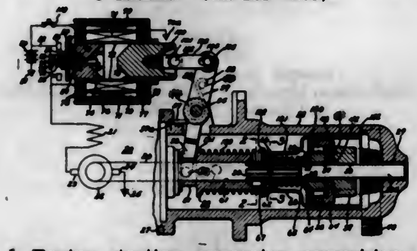
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2,117,230

## ENGINE STARTING APPARATUS

Herbal A. Thornburg and James V. Brown, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 8, 1936, Serial No. 89,503
5 Claims. (Cl. 123—179)



1. Engine starting apparatus comprising, in combination, an electric motor, a pinion driven by the motor and slidable axially into mesh with a gear of the engine to be started, means to move the pinion into mesh with the engine gear, and means responsive to rotation of the engine gear for positively blocking movement of the pinion into mesh with the engine gear while the engine is running, said last mentioned means comprising a locking sleeve adapted to be rotated by the engine gear into locking position to prevent movement of the pinion toward the engine gear.

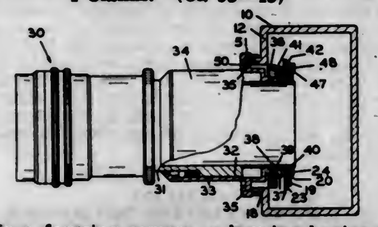
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2,117,231

## FOCUSING CAMERA

Otto E. Trautmann, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application March 17, 1937, Serial No. 131,415
4 Claims. (Cl. 95—45)



1. In a focusing camera, a housing having an objective receiving opening therein, a support fixed within said housing adjacent said opening, an annular gear rotatably mounted on said support in alignment with said opening, means extending outside of said housing for actuating said annular gear, a rangefinder mechanism carried by said housing, said mechanism having a movable actuating part adjacent the opening in said housing, an objective mount, said objective mount having a part which is rotatably mounted for focusing, a cam rotatably carried by said mount and interconnected with said rotatable part for rotation therewith, means on said cam for operating the movable actuating part of said rangefinder mechanism, and releasable means for operatively connecting said cam and said annular gear.



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2,117,232

## CIGAR-LIGHTER

Joseph H. Cohen, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut

Application March 29, 1933, Serial No. 663,402
23 Claims. (Cl. 219—32)



1. In an electric cigar-lighter, the combination of a stationary base member; a socket in the base member; a removable igniting unit longitudinally manually slidable in said socket from a shallow inoperative to a deep operative position; yielding means normally forcing said igniting unit from said deep operative position to said shallow inoperative position; cooperating contacts on the igniting unit and the base member respectively, adapted to engage when the igniting unit is in said deep operable position and disengage when in said shallow inoperative position, one of the contacts on the base member extending into the path of movement of one of the contacts on the igniting unit so that said contacts are maintained in good electrical engagement by the tendency of the igniting unit to move toward inoperative position; and a spring detent adapted to catch and releasably hold the igniting unit deep in the socket in the operative position against the pressure of said yielding means and as a result of said longitudinal movement of the igniting unit to said operative position.

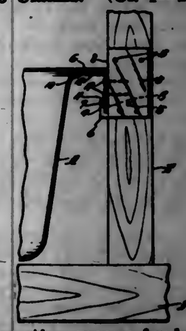
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2,117,233

## BATHTUB SUPPORT

Rufus B. Clark, St. Louis, Mo.

Application May 7, 1937, Serial No. 141,211
3 Claims. (Cl. 4—173)



1. In a supporting means for hanging a tub on wall studs, hangers secured to the studs, toes extended from the hangers, hooks turned upwardly from the toes and spaced from the adjacent edges of the hangers forming clefts behind the hooks, and support bars hung on the said hooks and secured to the studs.

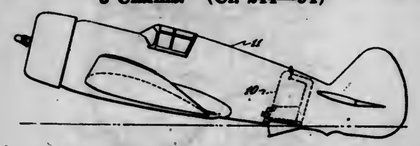
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2,117,234

## EMERGENCY BALANCING MEANS

Jonathan R. Austin, Dayton, Ohio, and Donovan R. Berlin, Eggertsville, N. Y.

Application February 19, 1937, Serial No. 126,568
3 Claims. (Cl. 244—94)



1. A ballast apparatus for aircraft comprising a tank, a casing at the bottom of said tank with which said tank communicates, a duct leading from said casing to the top of said tank, a hollow hub journaled in said casing, and a tube on said hub communicating with the hollow thereof, said hub having openings registerable with said casing openings for draining said tank and for establishing a filling conduit including said tube and duct according to the position of said tube.

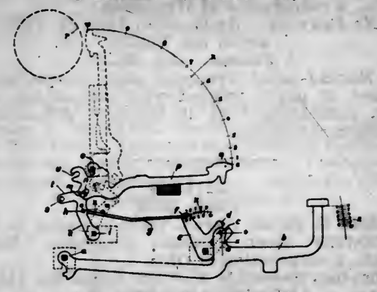
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2,117,235

## TYPEWRITER

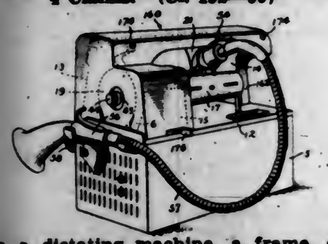
Berthold Baümann, Nuremberg, Germany, assignor to Triumph-Werke Nuernberg A.-G., Nuremberg, Germany

Application May 9, 1934, Serial No. 724,811
In Germany May 13, 1933
3 Claims. (Cl. 197—28)



1. A type bar action for typewriters, comprising in combination a key lever, a type lever, a traction bar interposed between said levers, an intermediate lever connected with one end of said traction bar, a driving connection between the key lever and said intermediate lever for imparting movement to the intermediate lever and traction bar with continuously increasing acceleration during the entire range of movement of said key lever and a second intermediate lever connected with the opposite end of the traction bar and having driving means arranged to engage the type lever to transmit the motion of the traction bar to the type lever and further driving means on the second intermediate lever arranged to engage the type lever subsequently to the first mentioned driving means and with a continuously increasing leverage so as to impart a final movement to the type lever with an increased acceleration over that applied thereto by the first mentioned intermediate lever and produce a rapid initial return movement of the type lever.

2,117,236
**DICTATING MACHINE**
Theodore H. Beard, John E. Reinholdt and Charles H. Merritt, III, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application June 24, 1933, Serial No. 677,448
4 Claims. (Cl. 192—99)

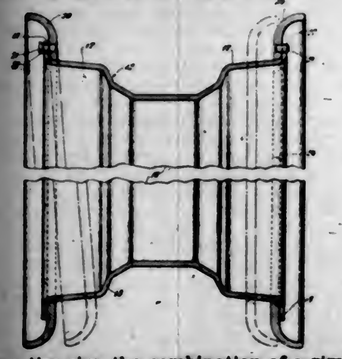


1. In a dictating machine, a frame, clutch-operating means mounted on said frame, a Bowden-wire for actuating said operating means, a bracket rigidly secured to said frame, a bell crank lever pivotally mounted on said bracket, means pivotally connecting one end of the inner element of said Bowden-wire with one arm of said lever, adjustable means on the other arm of said lever for making operative contact with said clutch-operating means, and adjustable means for anchoring the corresponding end of the outer element of said Bowden-wire to said bracket.

2,117,237
**WRAPPING PAPER**
George J. Brabender, Wausau, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
No Drawing. Application June 28, 1937, Serial No. 150,755
5 Claims. (Cl. 92—3)

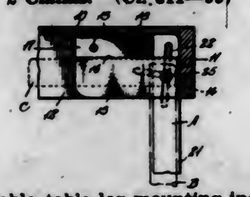
1. Rancid-proof wrapping paper consisting of a sheet of paper treated with petrolatum, said sheet containing 1 to 10 per cent groundwood to retard rancidity.

2,117,238
**TIRE RIM**
Winfield S. Brink, Akron, Ohio, assignor to The Firestone Steel Products Company, Akron, Ohio, a corporation of Ohio
Application December 31, 1936, Serial No. 118,490
10 Claims. (Cl. 152—21)



1. In a tire rim, the combination of a rim base having sloped tire-bead-seating portions, and an endless tire-retaining ring mounted upon said base and of such inside diameter as to have wedging contact with a bead-seating portion thereof when forced laterally by the bead portion of a tire thereon as the latter is inflated.

2,117,239
**FOLDING TABLE LEG**
Gottlieb Buechler, Goodrich, N. Dak.
Application August 20, 1936, Serial No. 97,073
2 Claims. (Cl. 311—99)



1. A foldable table leg mounting including, in combination, a table top provided with a socket on its under side, said socket having opposed outer and inner vertical abutments, the outer abutment being of substantial length and the inner abutment relatively short, a horizontal leg-supporting hinge pin extending crosswise of said socket, below the relatively short inner abutment thereof and in opposed parallel spaced relation in front of the lower portion of the longer outer abutment, and a table leg having its upper end portion correspondingly formed to enter said socket and having opposite longitudinal sides to respectively engage said outer and inner abutments of the socket, said leg having a longitudinal slot in its upper end portion through which said hinge pin extends with a sliding fit, said slot inclining upwardly and outwardly from its lower end located near the longitudinal middle of the leg to its upper end located near the outer end corner of the leg, whereby the leg in opened position is movable endwise inwardly and outwardly in said socket and by its inward movement is wedged with its contiguous outer longitudinal side in engagement with the outer abutment of the socket and the contiguous end portion of its inner longitudinal side is in abutting relation to the inner abutment of the socket, said leg upon movement outwardly from the socket being rotatable on the hinge pin and movable under the inner abutment of the socket to and from its closed position.

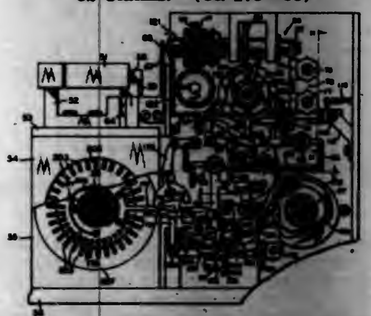
2,117,240
**ORNAMENTAL MATERIAL**
Benjamin J. Cohon, New York, N. Y., assignor to Natalie Shades, Inc., New York, N. Y., a corporation of New York
Application February 10, 1936, Serial No. 63,181
17 Claims. (Cl. 41—10)



9. Ornamental material comprising a layer of sheet material having integral portions provided with alternate furrows and ridges extending transversely of the sheet between opposite side edges thereof, apertured members disposed in said furrows on one surface of said layer, and means for securing said members in position in said furrows comprising a thread passing through the ridges in said sheet and through the apertures in said members.

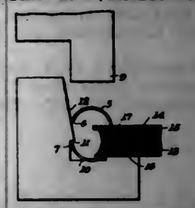


2,117,241
**TELEGRAPH PRINTER**
Robert F. Dirkes, Jamaica, N. Y., and Evan R. Wheeler, Plainfield, and Vernon R. Kimball, Palisade Park, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application March 15, 1934, Serial No. 715,750
32 Claims. (Cl. 178—33)



1. In a selecting mechanism, a plurality of selectable members, an interponent member individual to each selectable member, signal responsive means for positioning said interponent members successively into and out of line with said selectable members, a plurality of cams, means for driving said cams in synchronism with received impulses, said cams being adapted to be brought successively into engagement with said interponent members in synchronism with received impulses to operate the same.

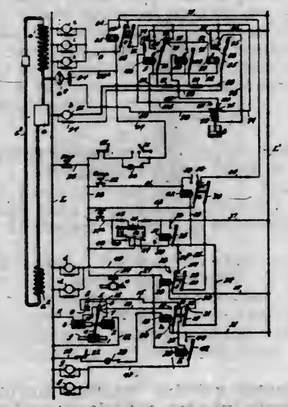
2,117,242
**MANUFACTURE OF RING BINDERS**
Patrick A. Eramo, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application March 31, 1937, Serial No. 134,017
8 Claims. (Cl. 140—52)



1. The herein disclosed method of closing binder rings, which comprises seating said binder rings with one end of each behind a stop shoulder and the opposite end over an inwardly inclined guide extending toward said stop shoulder and applying pressure to force said opposite end over said inclined guide inwardly and beyond said stop shoulder.

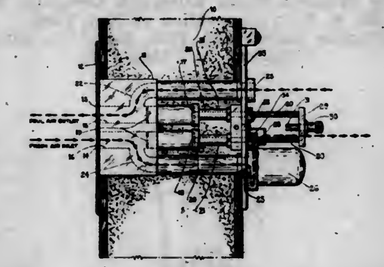
2,117,243
**TEMPERATURE CONTROLLING MEANS FOR RAILWAY CARS**
Joseph F. Frese, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Application April 6, 1936, Serial No. 73,024
4 Claims. (Cl. 236—1)

4. In temperature controlling means for railway cars having steam heating means, air brakes and an electrical supply circuit, a valve for turning on and off the steam, electro-magnetic means for opening and closing said valve, a thermally controlled relay controlling said latter means to open the valve at a predetermined low temperature and to close the valve at a predetermined higher temperature, an electric motor for circulating the heated air, a normally open relay for



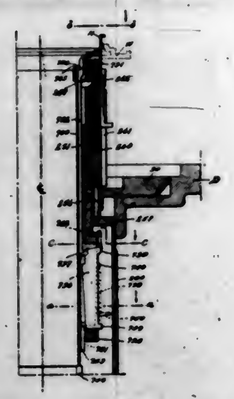
closing the circuit of said motor and a circuit for the magnet of the latter relay adapted to be closed by said first-mentioned relay when the steam valve is opened and the car is in service, said last-mentioned circuit including a switch which is normally closed by air pressure in the brake system when the car is in service, and which is normally open for lack of air pressure when the car is out of service.

2,117,244
**BANK VAULT VENTILATOR**
William E. Goehring, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application December 14, 1935, Serial No. 54,449
10 Claims. (Cl. 109—1)



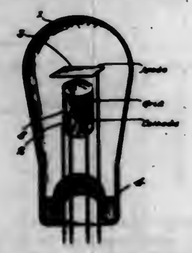
10. In a bank vault ventilator, an intake pipe and an outlet pipe leading from the vault to the atmosphere, said pipes being arranged so as to have no communication one with the other except through the atmosphere outside the vault and inside the vault, independent plungers for shutting off access from the inside of the vault to the atmosphere through said pipes, and independent chambers in which said plungers are mounted for sliding movement into and out of shutting off position.

2,117,245
**CIRCULAR KNITTING MACHINE**
Ivan W. Grothey, Laconia, N. H., assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts
Application June 2, 1927, Serial No. 196,089
13 Claims. (Cl. 66—36)



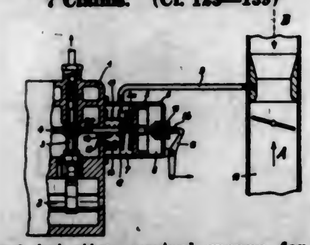
1. A circular knitting machine having a revolving needle cylinder, a circle of needles therein, horizontal deflectors therefor, all mounted at the same level, each adapted to press its needle radially outward, long jacks associated with said deflectors and pattern jacks having butts at different levels adapted to lift and lower the long jacks, a jack selector cam adapted to select pattern jacks according to the levels of their butts, in combination with a radially stationary cam between the throatplate and the knocking over point adapted to cause the deflectors whose pattern jacks and long jacks have thus been selected to push their needles radially outward until the inside of the shanks of said needles lie just inside the insides of the points of the other needles.

2,117,246
**ELECTRON DISCHARGE DEVICE**
Haken H. Haglund, New York, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application January 30, 1932, Serial No. 589,939
5 Claims. (Cl. 250—27.5)



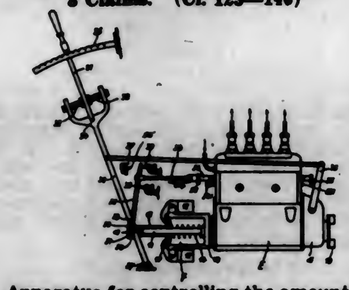
4. An electronic control switch comprising a receptacle having an ionizable medium therein, a solid electron emitting cathode and an anode element disposed in said receptacle and a control grid completely enclosing said cathode, comprising in its entirety a metallic member provided with uniformly distributed small perforations of uniform size.

2,117,247
**PNEUMATIC GOVERNOR FOR INTERNAL COMBUSTION ENGINES**
Eugen Holzbaur, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung
Application October 26, 1936, Serial No. 107,717
In Germany November 21, 1935
7 Claims. (Cl. 123—139)



1. Fuel injection control means for internal combustion engines comprising in combination a governor member responsive to the vacuum in the induction pipe of the engine, a member for adjusting the amount of fuel supply to the engine under the control of said governor member, whereby the fuel injected is reduced with increase of the vacuum in the induction pipe of the engine and vice versa, a governor chamber in communication with the induction pipe of the engine and a connection between the adjusting member and the governor member within said governor chamber which on the application of excess pressure in the governor chamber on a reversal of direction in rotation of the engine, causes displacement of the adjusting member independently of the governor member to a position in which no fuel is supplied to the engine.

2,117,248
**APPARATUS FOR CONTROLLING THE AMOUNT OF FUEL DELIVERED BY AN INJECTION PUMP**
Max Hurst, Stuttgart, and Johannes Weber, Stuttgart-Feuerbach, Germany, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung
Application September 3, 1935, Serial No. 39,980
In Germany September 25, 1934
8 Claims. (Cl. 123—140)

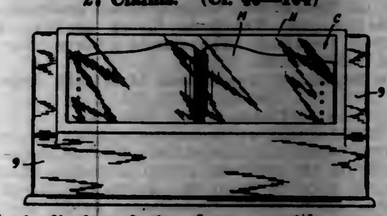


1. Apparatus for controlling the amount of fuel delivered to an engine comprising a governing member the position of which determines the quantity of fuel delivered to said engine, governor means displaceable in accordance with the speed of said engine, transmission mechanism between said governing member and said governor means, a manually operated lever, an intermediate member pivotally connecting said lever with said transmission means and an elastic flexible



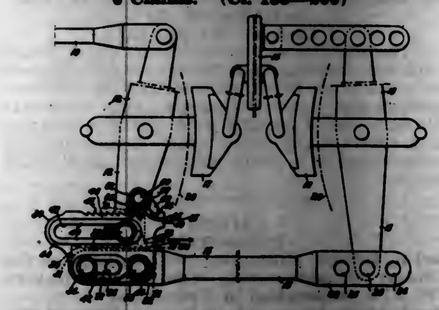
trailing coupling, pretensioned in both directions of adjustment, between said manually operated lever and said intermediate member, manual displacement of said operating lever compressing one element of said trailing coupling to displace said governing member through said transmission mechanism to vary the amount of fuel injected and cause variation in speed of said engine, said displacement being effected for such a period until the governor means and the transmission mechanism have moved into a position to permit equalization of tension in the coupling, whereupon said governor alone operates to control the injection amount delivered to said engine.

2,117,249
**DISPLAY DEVICE**
Le Roy H. Ireland, Minneapolis, Minn.
Application March 13, 1937, Serial No. 130,645
27 Claims. (Cl. 40—104)



1. A display device for use with magazines and the like having perforated pages, comprising a supporting member for said magazine, and means for directing a stream of air against the perforated portions of the pages of the magazine, whereby the pages will be turned singly.

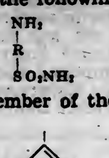
2,117,250
**SLACK ADJUSTER**
Thomas James, Jr., Audubon, N. J., assignor to Universal Slack Adjuster Company, Camden, N. J., a corporation of New Jersey
Application June 5, 1936, Serial No. 83,631
6 Claims. (Cl. 188—200)



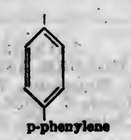
1. A slack adjuster for brake rigging for a railway car comprising a rod associated with the rigging, a lever associated with the rod and having a normal stroke for operating the brakes, a guide upon the rod, a cross-head mounted upon the lever and slidably mounted upon said guide, means operatively associated with the cross-head and engageable with said rod for resisting movement of the cross-head in one direction, a pivot pin upon the lever and positioned for rotary movement about the cross-head as an axis, an adjusting rack having teeth thereon and associated with one end of the rod, a pawl pivotally mounted upon said pivot pin and adapted to reciprocate over one of said teeth during the normal strokes of the lever and for engaging a new tooth upon an excessive stroke of the lever, said pawl arranged to form a fulcrum for the lever when so engaged with said new tooth and for advancing the cross-head to a new position upon the guide for taking up slack in the rigging, means controlled by the position of the lever and operatively associated with said pawl for locking the latter with said teeth when the lever is in the brake released position for preventing movement in either direction of said rod relatively to the lever, and said last mentioned means arranged for unlocking the pawl relatively to the teeth by a movement of the lever toward brake application position.

2,117,251
**ANTISTREPTOCOCCIC AGENTS, AND PROCESS OF MAKING THEM**
Ervin C. Kleiderer and Horace A. Shonle, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application July 26, 1937, Serial No. 155,690
9 Claims. (Cl. 260—69)

1. The new anti-streptococcic agents, of the class consisting of compounds formed by treating a compound of the following type:

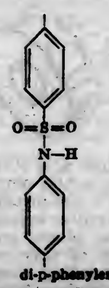


in which R is a member of the class consisting of



p-phenylene

and



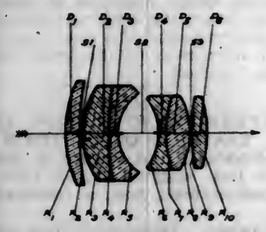
di-p-phenylenesulfonimide

with a soluble nitrite in the presence of excess mineral acid to form a diazonium salt of that compound, and then reducing the acidity of the solution to cause the diazonium salt to combine with itself to form a compound of higher molecular weight; and their alkali-metal, alkaline-earth-metal, ammonium, alkyl-substituted-ammonium, and alkanol-substituted-ammonium salts.

2,117,252
**LENS FOR PHOTOGRAPHY AND THE LIKE**
Horace William Lee, Chiswick, London, England, assignor to Kapella Limited, Leicester, England, a corporation of England
Application December 17, 1936, Serial No. 116,388
In Great Britain December 18, 1935
3 Claims. (Cl. 88—57)

1. A lens system comprising two compound

meniscus dispersive members with their concave exterior surfaces facing one another, said members being arranged between two collective members, all of said members being axially aligned and air separated from each other, the dispersive members each comprising a collective element and a dispersive element, the collective elements of the dispersive members being arranged between their respective dispersive elements and the adjacent collective members, one at least of the collective members having exterior surfaces of dif-



ferent curvature and being arranged with the more strongly curved surface facing outwards, the concave exterior surface of the rear dispersive member having a radius not greater than 0.3 and not less than 0.2 the focal length of the system and its convex exterior surface a radius not greater than 0.4 and not less than 0.25 such focal length, the refractive index of each collective element of the compound dispersive members exceeding that of the dispersive element associated with it but by not more than 0.03.

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2,117,253

**TAPE HOLDER AND CUTTER**

Michael J. Mangione, Winsted, Conn.

Application March 7, 1936, Serial No. 67,620
4 Claims. (Cl. 206—59)



1. In a tape holder and cutter, a spool having a pair of end plates, a hub portion connecting said plates and having a roll of tape rotatably mounted thereon, a tape cutter member rockably mounted within said end plates and being adapted to rest upon the roll of tape, said cutter member having an ear extending from each side thereof, each of said end members having a radial guiding slot to receive one of said ears, and means extending inwardly from each end plate to prevent said cutter member from rocking beyond the periphery of said end plates.

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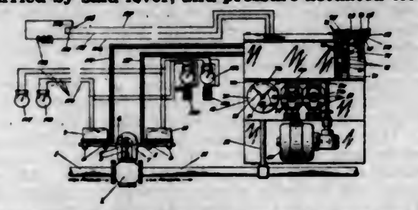
2,117,254

**CONTROL MEANS**

Freeman H. Owens, New York, N. Y.

Application April 28, 1933, Serial No. 668,473
Renewed October 7, 1937
18 Claims. (Cl. 50—10)

1. In combination with a pressure line, a valve in said line for controlling the pressure therein, a pivoted lever connected thereto for adjusting the position of said valve with respect to its seat, a weight on said lever movable longitudinally thereof in either direction for varying the adjustment of said valve, weight moving means carried by said lever, and pressure actuated elec-



trical means in said line for causing actuation of said weight moving means.

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2,117,255

**RESINS AND PROCESS OF MAKING SAME**

Remmet Priester, Deventer, Netherlands, assignor to Naamloose Vennootschap Industrieele Maatschappij Voorheen Noury & Van Der Lande, Deventer, Netherlands, a corporation of the Netherlands

No Drawing. Application March 27, 1936, Serial No. 71,317
4 Claims. (Cl. 260—2)

1. The process of preparing a resinous composition which consists of the following steps (*a*) esterifying the hydroxy group of castor oil with an acid selected from the group consisting of natural resin acids, naphthenic acids, linoleic acid, linolenic acid, octadecadienic (9,11) acid (1), elaeostearic acid, lauric acid, myristic acid, palmitic acid and clupanodonic acid, and (*b*) reacting an acid material selected from the class consisting of colophony and phathalic anhydride with glycerol in the presence of the castor oil ester produced in the step (*a*) hereof.

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2,117,256

**PAPER MANUFACTURE**

Harold Robert Rafton, Andover, Mass., assignor to Raffold Process Corporation, a corporation of Massachusetts

No Drawing. Application November 18, 1933, Serial No. 698,722
4 Claims. (Cl. 91—68)

1. The method of manufacturing paper which comprises applying to a fibrous web an aqueous mix made from ingredients comprising adhesive, pigment, and a so-called substantially nonbreakable emulsion of paraffin, said emulsion containing a substantially water soluble gum intimately incorporated as a component thereof, and drying said web.

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2,117,257

**RHEOSTAT**

Carl R. Schenk, Millington, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application August 12, 1935, Serial No. 35,913
5 Claims. (Cl. 201—51)



1. The combination with a carbon compression rheostat including a carbon compression resistor, an operating pull-rod, and spring means controlled by said rod to apply operative pressures to said resistor, a casing for said resistor, a lever



fulcrumed in said casing and connected to said pull-rod, said lever having an operating arm, a pedal arranged to depress said arm, and a tension-spring having its longitudinal axis spaced above and extending transversely of the pivotal axis of said lever, said spring being connected at one end to said operating arm and anchored at its other end to said casing, the space between the longitudinal axis of said spring and the pivotal axis of said lever decreasing in the electrical resistance decreasing motion of said lever, and means to vary the initial spacing of the longitudinal axis of said spring above the pivotal axis of said lever.

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2,117,258

**MANUFACTURE OF RUBBER AND THE LIKE**

Philip Schidrowitz and John William Malden, London, England, assignors to Vultex Corporation of America, Cambridge, Mass., a corporation of Massachusetts

No Drawing. Application May 15, 1936, Serial No. 79,986. In Great Britain May 17, 1935
13 Claims. (Cl. 18—50)

1. The improved process of thickening an aqueous dispersion of rubber and the like which is characterized by admixing with the dispersion a small proportion of an organic destabilizing reagent in conjunction with a small proportion of a fat-derived acid and a substantially non-volatile dispersive agent therefor which is miscible with the dispersion.

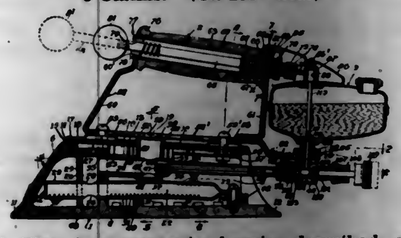
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2,117,259

**LIQUID FUEL FLATIRON**

John Slezak, Sycamore, Ill., assignor to Turner Brass Works, Sycamore, Ill., a corporation of Illinois

Application February 24, 1936, Serial No. 65,362
6 Claims. (Cl. 158—23.2)



1. The improvements herein described and comprising a fluid fuel flat iron having a hollow metal body including a hollow point portion, a hollow post supported on the bottom of the iron and arranged between the point portion and the main portion of the body, a burner tube projecting through said post into the point portion of the iron, means for feeding fluid fuel through said hollow post to said burner tube, said post arranged and adapted to restrict the free escape of the products of combustion from said point portion.

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2,117,260

**SUBSTITUTED P-AMINO-BENZENE-SULPHONAMIDES AND PROCESS OF PRODUCING THEM**

Elmer H. Stuart, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application June 26, 1937, Serial No. 150,545
10 Claims. (Cl. 260—106)

1. The substituted p-amino-benzene-sulphonamides, in which a hydrogen atom of the p-amino group is replaced by a radical of the class consisting of the mandelyl and the acetyl-mandelyl groups.

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2,117,261

**ELECTRIC CIRCUIT BREAKER**

Hans Thommen, Baden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland

Application July 30, 1937, Serial No. 156,554
In Germany July 30, 1936
19 Claims. (Cl. 200—146)



1. An electric circuit breaker comprising an arcing chamber having an orifice, an annular fixed contact arranged about said orifice, an auxiliary contact arranged outside of said chamber and extending into said orifice, a resistor arranged outside of said chamber and connecting said fixed contact with said auxiliary contact, a movable contact arranged within said chamber, and means for actuating said movable contact.

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2,117,262

**MANUFACTURE OF RING BINDERS**

Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York

Application April 2, 1937, Serial No. 134,483
4 Claims. (Cl. 140—88)

1. The method of making a ring binder which comprises bending the end portions of a generally straight length of binder ring forming material substantially on arcs of a common circle toward but separated from each other, then similarly bending the intermediate portion of said material on an arc forming substantially the remainder of the same common circle to bring the bent ends together into substantially complete continuous and uninterrupted circular ring formation, then relatively straightening said intermediate portion to separate the bent ends and to form a localized hinge bending portion between said ends and finally rebending said intermediate hinge portion substantially on the arc it was first bent to again bring the bent ends together in completed substantially circular ring formation.

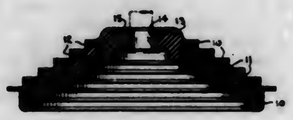
2,117,263
**ALLOY**
Marvin J. Udy, Niagara Falls, N. Y., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application October 31, 1934, Serial No. 750,221
1 Claim. (Cl. 75—126)

An alloy comprising chromium 15% to 60%; phosphorus 3% to 20%; silicon 4% to 6%; the balance being iron.

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2,117,264
**RESILIENT SUPPORT**
Clarence E. Workman, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 6, 1935, Serial No. 34,913
6 Claims. (Cl. 248—358)

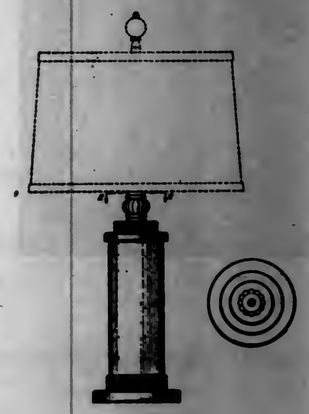
1. A resilient support comprising a plurality of concentric, telescopically arranged, metal rings of graduated diameters, each of said rings consisting of a cylindrical medial portion formed on one lateral margin with an outwardly extending radial flange and on its other margin with an inwardly extending radial flange, the inwardly



extending flange of one ring being axially aligned with the outwardly extending flange of the next smaller ring in the assembled structure, and resilient rubber cushions between the aligned flanges of adjacent rings, each of said cushions being bonded solely to one ring.

# DESIGNS
MAY 10, 1938

109,599
**DESIGN FOR A TABLE LAMP**
Wilbert C. Andersen, Elmwood Park, Ill., assignor to Flexo Products Corporation, Chicago, Ill., a corporation of Illinois
Application March 8, 1938, Serial No. 75,667
Term of patent 3½ years



The ornamental design for a table lamp, substantially as shown.

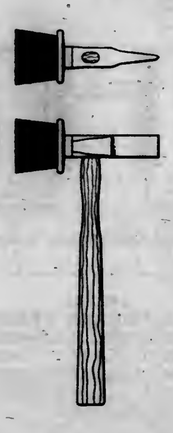
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109,600
**DESIGN FOR A CURTAIN**
Frederick A. Baird, Wilmette, Ill., assignor to Modern Curtain Co. Inc., Boston, Mass., a corporation of Massachusetts
Application January 27, 1938, Serial No. 74,604
Term of patent 14 years



The ornamental design for a curtain substantially as shown and described.

109,601
**DESIGN FOR A WELDER'S TOOL**
Louis J. Belanger, Graniteville, Vt.
Application March 15, 1938, Serial No. 75,839
Term of patent 14 years



The ornamental design for a welder's tool, as shown.

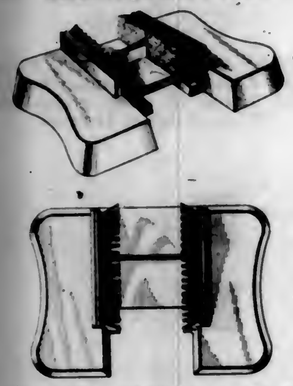
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109,602
**DESIGN FOR A DRESS**
Helen Berry, New York, N. Y.
Application January 26, 1938, Serial No. 74,525
Term of patent 3½ years



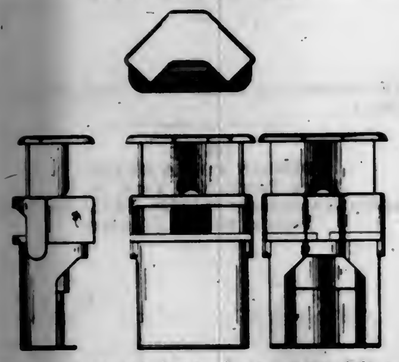
The ornamental design for a dress substantially as shown and described.

109,603
**DESIGN FOR A BOOT SCRAPER**
Savannah B. Butt, Baltimore, Md.
Application February 23, 1938, Serial No. 75,356
Term of patent 7 years



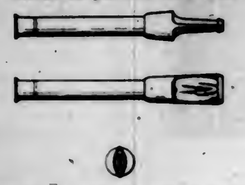
The ornamental design for a boot scraper, as shown.

109,604
**DESIGN FOR A CORNER TRIMMING UNIT**
Theodore Christie, Rochester, N. Y.
Application August 21, 1937, Serial No. 71,222
Term of patent 14 years



The ornamental design for a corner trimming unit as shown.

109,605
**DESIGN FOR A SMOKING DEVICE**
Giuseppe Cippico, Rome, Italy, assignor to Zeus Corporation, New York, N. Y., a corporation of Delaware
Application February 7, 1938, Serial No. 74,928
Term of patent 14 years



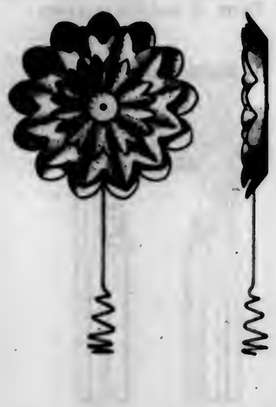
The ornamental design for a smoking device substantially as shown.

109,606
**DESIGN FOR A TEXTILE FABRIC**
Jean Chapman, New York, N. Y., assignor to El Dorado Silk Co., Inc., New York, N. Y., a corporation of New York
Application December 11, 1937, Serial No. 73,538
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

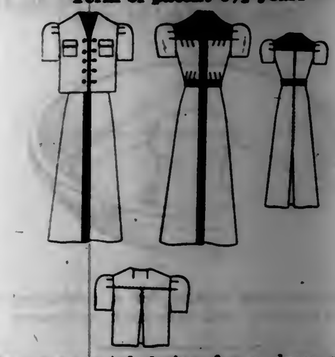
109,607
**DESIGN FOR A CHRISTMAS TREE ORNAMENT**
Sol D. Cohen, New York, N. Y., assignor to Paper Novelty Manufacturing Co., New York, N. Y., a corporation of New York
Application January 27, 1938, Serial No. 74,591
Term of patent 7 years



The ornamental design for a Christmas tree ornament as shown and described.

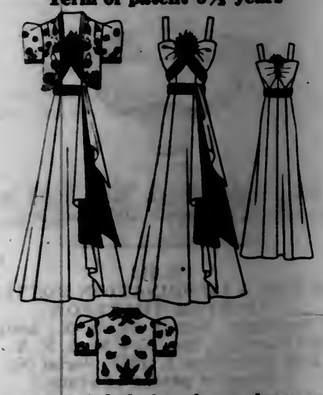


109,608
**DESIGN FOR A DRESS ENSEMBLE**
Tora Coleman, New York, N. Y.
Application March 11, 1938, Serial No. 75,747
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

109,609
**DESIGN FOR A DRESS ENSEMBLE**
Sylvia Connell, New York, N. Y.
Application March 2, 1938, Serial No. 75,505
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

109,610
**DESIGN FOR A NOVELTY PIN**
Louis Ditchik, New York, N. Y.
Application January 21, 1938, Serial No. 74,464
Term of patent 3½ years



The ornamental design for a novelty pin, substantially as shown.

109,611
**DESIGN FOR A TYPEWRITER**
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application April 17, 1937, Serial No. 68,843
Term of patent 14 years



The ornamental design for a typewriter, substantially as shown and described.

109,612
**DESIGN FOR A TOY FIGURE**
Elizabeth S. Dutcher, Sunnyside, Long Island, N. Y.
Application September 29, 1937, Serial No. 71,865
Term of patent 7 years



The ornamental design for a toy figure as shown.

**109,613**
**DESIGN FOR A SLIPPER**
Robert E. Frederick, New York, N. Y.
Application April 15, 1938, Serial No. 76,519
Term of patent 3½ years



The ornamental design for a slipper substantially as shown.

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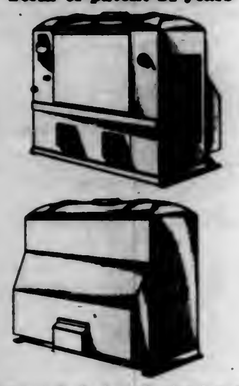
**109,614**
**DESIGN FOR AN EYELET**
William Hughes, Taunton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 8, 1937, Serial No. 72,699
Term of patent 14 years



The ornamental design for an eyelet substantially as shown and described.

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**109,615**
**DESIGN FOR A DOUGH MIXER**
Edward J. Lauterbur, Sidney, Ohio, assignor to Peerless Bread Machinery Corporation, Sidney, Ohio, a corporation of Ohio
Application February 25, 1937, Serial No. 67,859
Term of patent 14 years



The ornamental design for a dough mixer, as shown.

**109,616**
**DESIGN FOR A COMBINED ASHTRAY, PIPE KNOCKER, AND PIPE RACK**
Edward F. McDonald, Buffalo, N. Y.
Application November 23, 1937, Serial No. 73,133
Term of patent 14 years



The ornamental design for a combined ashtray, pipe knocker, and pipe rack, as shown.

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**109,617**
**DESIGN FOR A LIGHT DIFFUSING TORCHIERE SHADE**
Richard Orth, Philadelphia, Pa., assignor to Gill Glass & Fixture Company, Philadelphia, Pa., a corporation of Delaware
Application February 24, 1938, Serial No. 75,377
Term of patent 7 years




The ornamental design for a light diffusing torchiere shade, as shown and described.

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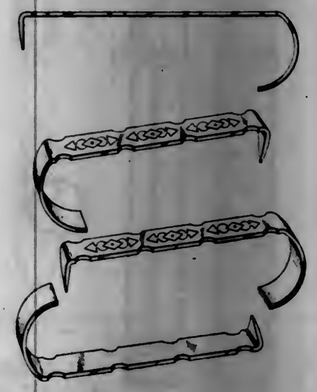
**109,618**
**DESIGN FOR A COMBINATION BOTTLE AND STOPPER THEREFOR**
Tommi Parzinger, New York, N. Y., assignor to Hattie Carnegie, Inc., New York, N. Y.
Application November 1, 1937, Serial No. 72,576
Term of patent 14 years



The ornamental design for a combination bottle and stopper therefor, as shown.



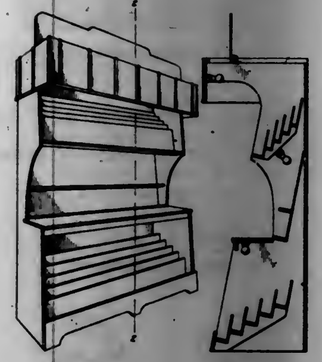
**109,619**
**DESIGN FOR A STAIR TREAD HOLDER OR SIMILAR ARTICLE**
Edwin Reynolds, Vineland, N. J.
Application November 23, 1937, Serial No. 73,114
Term of patent 14 years



The ornamental design for a stair tread holder or similar article, substantially as shown.

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**109,620**
**DESIGN FOR A DISPLAY RACK**
George E. Richter, Buffalo, N. Y.
Application March 3, 1938, Serial No. 75,552
Term of patent 14 years



The ornamental design for a display rack, as shown.

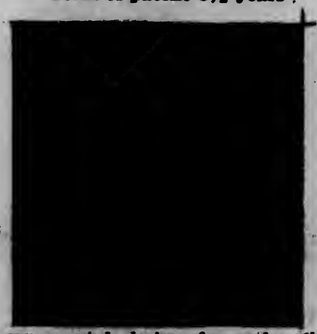
**109,621**
**DESIGN FOR A CHAIR PAD COVER**
Evelyn Ring, Boston, Mass., assignor to Moses Caplan, Boston, Mass.
Application March 16, 1938, Serial No. 75,881
Term of patent 7 years



The ornamental design for a chair pad cover, substantially as shown.

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**109,622**
**DESIGN FOR A HANDKERCHIEF**
M. Joseph Rosen, New York, N. Y.
Application March 30, 1938, Serial No. 76,173
Term of patent 3½ years



The ornamental design for a handkerchief, substantially as shown, and described.

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**109,623**
**DESIGN FOR A SNAP LOCK FOR A BAG OR SIMILAR ARTICLE**
Herbert Rubin, New York, N. Y.
Application January 10, 1938, Serial No. 74,175
Term of patent 3½ years



The ornamental design for a snap lock for a bag or similar article, substantially as shown.

**109,624**
**DESIGN FOR A SHAVING IMPLEMENT**
**Henry T. Schiff, Chicago, Ill.**
**Application March 2, 1938, Serial No. 75,535**
**Term of patent 3½ years**



The ornamental design for a shaving implement, substantially as shown and described.

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**109,625**
**DESIGN FOR A SLIPPER**
**Harry Shurak, New York, N. Y.**
**Application April 15, 1938, Serial No. 76,520**
**Term of patent 3½ years**





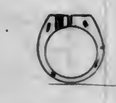
The ornamental design for a slipper substantially as shown.

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**109,626**
**DESIGN FOR A FINGER RING**
**Maurice J. Stein and Louis Aisenstein, New York, N. Y.**
**Application March 26, 1938, Serial No. 76,168**
**Term of patent 14 years**







The ornamental design for a finger ring as shown and described.

**109,627**
**DESIGN FOR A LIGHTING FIXTURE OR SIMILAR ARTICLE**
**Lemuel L. Stewart, Chicago, Ill., assignor to The Adlake Company, a corporation of Illinois**
**Application May 10, 1937, Serial No. 69,268**
**Term of patent 14 years**

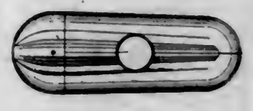


The ornamental design for a lighting fixture or similar article substantially as shown.

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**109,628**
**DESIGN FOR A DRILL PRESS GUARD**
**James Tate, Milwaukee, Wis., assignor to The Delta Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin**
**Application June 5, 1937, Serial No. 69,692**
**Term of patent 7 years**



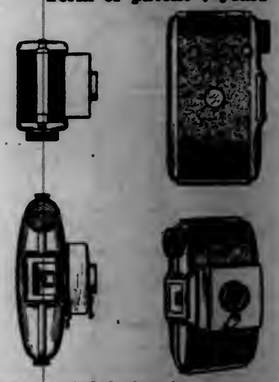




The ornamental design for a drill press guard, as shown.



**109,629**
**DESIGN FOR A CAMERA**
**Walter D. Teague, New York, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey**
**Application March 2, 1938, Serial No. 75,534**
**Term of patent 7 years**



The ornamental design for a camera as shown.

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**109,630**
**DESIGN FOR A TEXTILE FABRIC**
**Edith von Eisenbarth, New York, N. Y.**
**Application April 6, 1938, Serial No. 76,321**
**Term of patent 3½ years**



The ornamental design for a textile fabric, substantially as shown.

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**109,631**
**DESIGN FOR A DISPLAY DENTAL MODEL**
**Harry Weiss, Newark, N. J.**
**Application November 15, 1937, Serial No. 72,901**
**Term of patent 7 years**



The ornamental design for a display dental model substantially as shown and described.

**109,632**
**DESIGN FOR A SHOE ORNAMENT**
**Herbert G. Whitehouse, Newark, N. J.**
**Application April 1, 1938, Serial No. 76,214**
**Term of patent 3½ years**





The ornamental design for a shoe ornament substantially as shown.

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**109,633**
**DESIGN FOR A LAMP**
**Itsuo Wooga, Tokyo, Japan**
**Application September 1, 1937, Serial No. 71,415**
**Term of patent 7 years**



The ornamental design for a lamp, substantially as shown and described.

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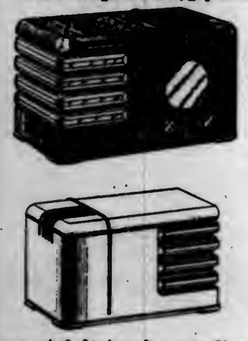
**109,634**
**DESIGN FOR A BRUSH OR THE LIKE**
**Frank S. Beveridge, Westfield, Mass.**
**Application December 21, 1937, Serial No. 73,776**
**Term of patent 7 years**





The ornamental design for a brush or the like, as shown.

**109,635**
**DESIGN FOR A RADIO CABINET**
**O. Neil Christensen, Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia**
**Application April 21, 1937, Serial No. 68,902**
**Term of patent 3½ years**



The ornamental design for a radio cabinet substantially as shown.

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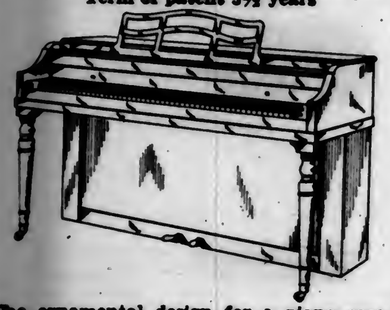
**109,636**
**DESIGN FOR A COAT**
**Irving Cohen, New York, N. Y.**
**Application April 2, 1938, Serial No. 76,243**
**Term of patent 3½ years**



The ornamental design for a coat substantially as shown and described.

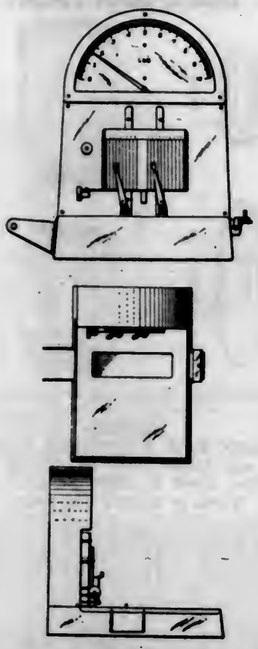
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**109,637**
**DESIGN FOR A PIANO CASE**
**Wilbur M. Day, Norwood, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio**
**Application March 17, 1938, Serial No. 75,903**
**Term of patent 3½ years**



The ornamental design for a piano case, as shown.

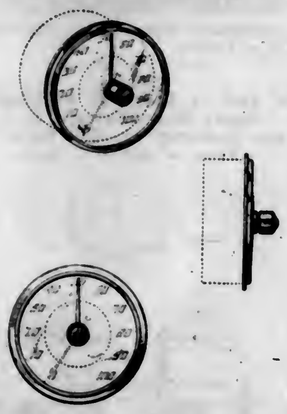
**109,638**
**DESIGN FOR A PENCIL LEAD TESTING MACHINE**
**Carl J. Essmann, Brooklyn, N. Y.**
**Application October 25, 1937, Serial No. 72,464**
**Term of patent 3½ years**



The ornamental design for a pencil lead testing machine, as shown.

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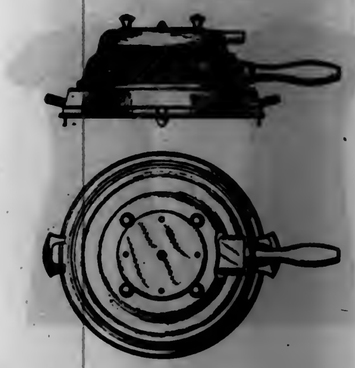
**109,639**
**DESIGN FOR A SPEEDOMETER**
**Claude M. Gunn, Kansas City, Mo.**
**Application September 29, 1937, Serial No. 71,858**
**Term of patent 3½ years**



The ornamental design for a speedometer, substantially as shown.



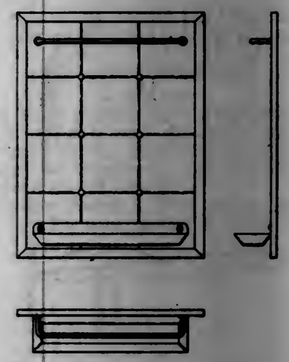
**109,640**
**DESIGN FOR AN ELECTRIC BROILER**
**Frederick Conrad Kimmel, Rochester, N. Y.**
**Application March 3, 1938, Serial No. 75,565**
**Term of patent 14 years**



The ornamental design for an electric broiler, as shown.

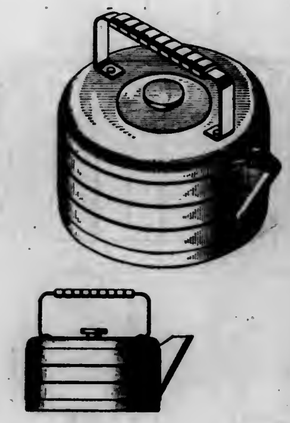
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**109,641**
**DESIGN FOR A SUPPORTING RACK FOR KITCHEN UTENSILS, OR THE LIKE**
**William J. Marcus, Cleveland Heights, Ohio**
**Application December 14, 1937, Serial No. 73,614**
**Term of patent 3½ years**



The ornamental design for a supporting rack for kitchen utensils, or the like, as shown.

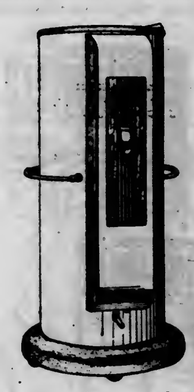
**109,642**
**DESIGN FOR A KETTLE**
**John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York**
**Application November 1, 1937, Serial No. 72,565**
**Term of patent 7 years**



The ornamental design for a kettle, as shown.

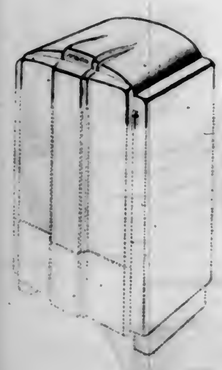
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**109,643**
**DESIGN FOR AN OIL CLEANER**
**Harry A. Murphy, Minneapolis, Minn.**
**Application February 19, 1938, Serial No. 75,263**
**Term of patent 3½ years**



The ornamental design for an oil cleaner, as shown and described.

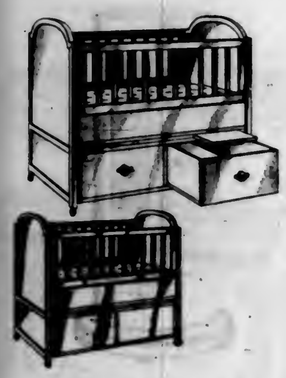
**109,644**
**DESIGN FOR A REFRIGERATOR CABINET**
Raymond E. Patten, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 22, 1937, Serial No. 72,372
Term of patent 14 years



The ornamental design for a refrigerator cabinet substantially as shown and described.

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**109,645**
**DESIGN FOR A CRIB**
Susan Clare Pearsen, New York, N. Y.
Application February 15, 1938, Serial No. 75,129
Term of patent 14 years



The ornamental design for a crib, as shown.

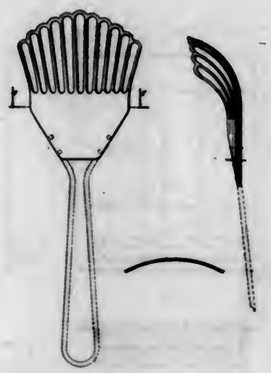
**109,646**
**DESIGN FOR A KNITTED DRESS**
Benjamin Pollner, New York, N. Y.
Application April 8, 1938, Serial No. 76,374
Term of patent 3½ years



The ornamental design for a knitted dress, substantially as shown.

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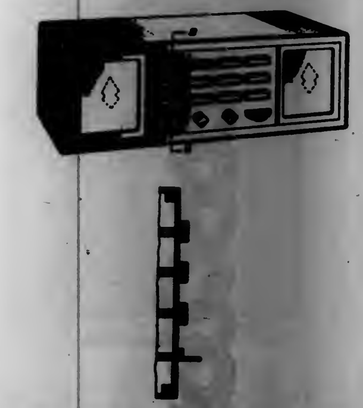
**109,647**
**DESIGN FOR AN EGG BEATER OR SIMILAR ARTICLE**
Charles A. Rowley, Los Angeles, Calif.
Application December 13, 1937, Serial No. 73,590
Term of patent 14 years



The ornamental design for an egg beater or similar article, as shown and described.



**109,648**
**DESIGN FOR A TELEPHONE CABINET**
Theodore N. Santy, Providence, R. I., assignor to The Screw Machine Products Corporation, a corporation of Rhode Island
Application April 29, 1937, Serial No. 69,052
Term of patent 14 years



The ornamental design for a telephone cabinet substantially as shown.

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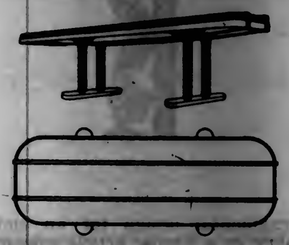
**109,649**
**DESIGN FOR A LIPSTICK CASE OR SIMILAR ARTICLE**
Fred Spitalny, Elizabeth, N. J.
Application January 28, 1938, Serial No. 74,638
Term of patent 7 years



The ornamental design for a lipstick case or similar article, substantially as shown and described.

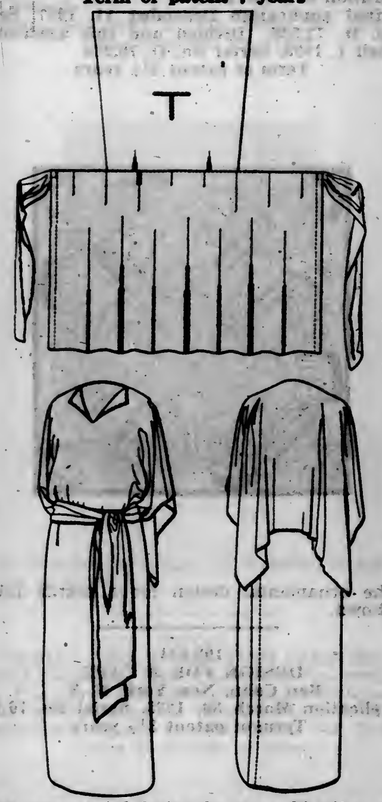
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**109,650**
**DESIGN FOR A SERVICE STATION CANOPY**
Ralph N. Aldrich and Alfred H. Jaehne, San Francisco, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application March 2, 1938, Serial No. 75,500
Term of patent 7 years



The ornamental design for a service station canopy, as shown.

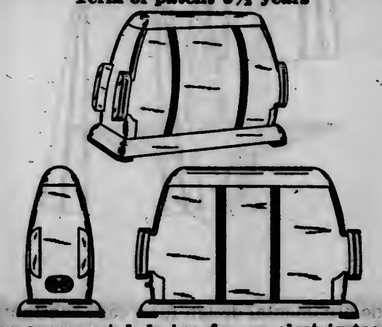
**109,651**
**DESIGN FOR A COMBINATION GARMENT**
Dorothy B. Barbour, Framingham Center, Mass.
Application September 2, 1937, Serial No. 71,437
Term of patent 7 years



The ornamental design for a combination garment, substantially as shown and described.

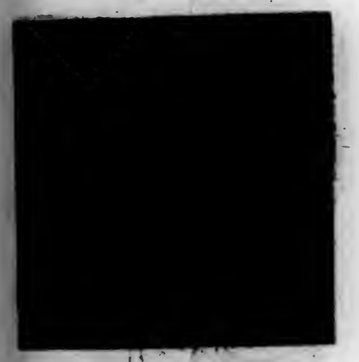
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**109,652**
**DESIGN FOR AN ELECTRIC TOASTER OR SIMILAR ARTICLE**
Joseph E. Barrett, St. Louis, Mo., assignor to Superior Electric Products Corp., St. Louis, Mo., a corporation of Missouri
Application February 7, 1938, Serial No. 74,950
Term of patent 3½ years



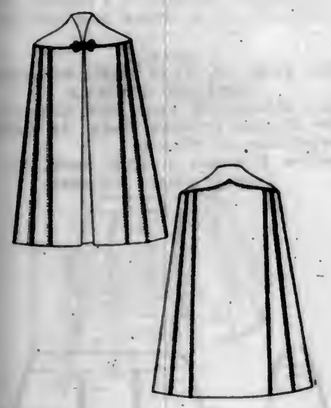
The ornamental design for an electric toaster or similar article, substantially as shown.

109,653
**DESIGN FOR A TEXTILE FABRIC**
Jean Chapman, New York, N. Y., assignor to El Dorado Silk Co., Inc., New York, N. Y., a corporation of New York
Original application December 11, 1937, Serial No. D. 73,538. Divided and this application April 1, 1938, Serial No. D. 76,226
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

109,654
**DESIGN FOR A CAPE**
Ben Cohn, New York, N. Y.
Application March 30, 1938, Serial No. 76,177
Term of patent 3½ years



The ornamental design for a cape substantially as shown.

109,655
**DESIGN FOR AN EMBROIDERED TEXTILE FABRIC OR A SIMILAR ARTICLE**
Rudolph Dannecker, Beacon, N. Y.
Application March 9, 1938, Serial No. 75,683
Term of patent 3½ years



The ornamental design for an embroidered textile fabric or a similar article substantially as shown and described.

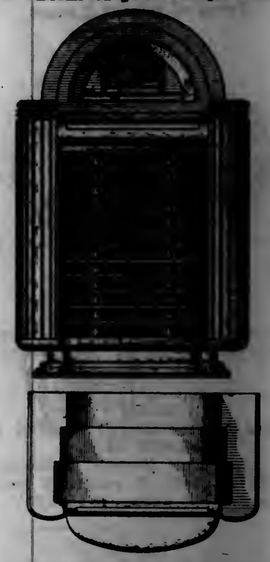
109,656
**DESIGN FOR AN EMBROIDERED TEXTILE FABRIC OR A SIMILAR ARTICLE**
Rudolph Dannecker, Beacon, N. Y.
Application March 9, 1938, Serial No. 75,684
Term of patent 3½ years

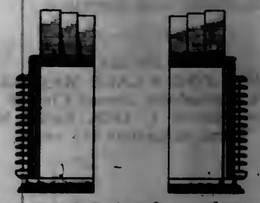


The ornamental design for an embroidered textile fabric or a similar article substantially as shown and described.



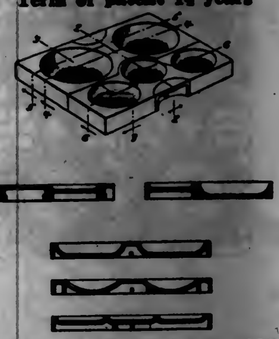
109,657
**DESIGN FOR A PHONOGRAPH CABINET**
George A. Gast, Chicago, Ill., assignor to Raymond T. Maloney, Chicago, Ill.
Application March 10, 1938, Serial No. 75,736
Term of patent 7 years





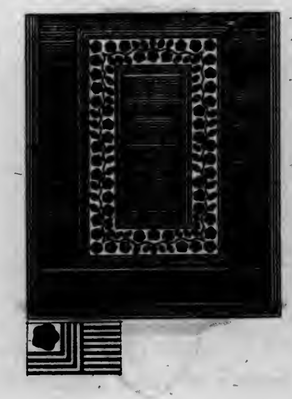
The ornamental design for a phonograph cabinet, as shown.

109,658
**DESIGN FOR A GRIDDLE OR THE LIKE**
George A. Hamilton, Albany, N. Y.
Application March 12, 1938, Serial No. 75,787
Term of patent 14 years



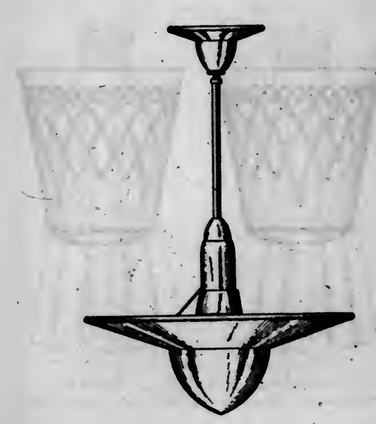
The ornamental design for a griddle or the like as shown.

109,659
**DESIGN FOR A SPREAD OR SIMILAR ARTICLE**
Marie F. Hauck, Chicago, Ill., assignor to Walter M. Gotsch Company, Chicago, Ill., a corporation of Illinois
Application April 4, 1938, Serial No. 76,282
Term of patent 3½ years



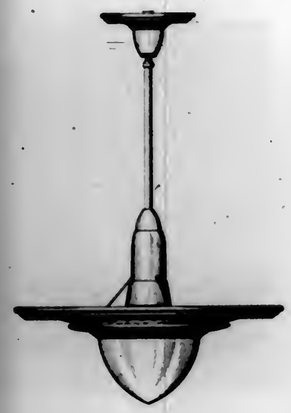
The ornamental design for a spread or similar article, as shown.

109,660
**DESIGN FOR A LIGHTING FIXTURE**
John A. Hoeveler, Mount Lebanon, Pa., assignor to Pittsburgh Reflector Company, Pittsburgh, Pa., a corporation of New Jersey
Application March 3, 1938, Serial No. 75,563
Term of patent 14 years



The ornamental design for a lighting fixture as shown.

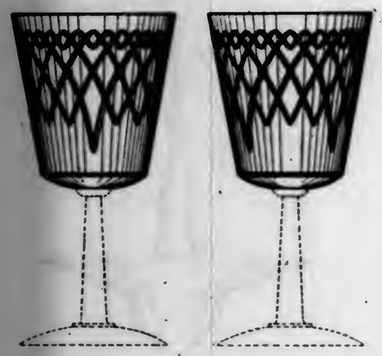
**169,661**
**DESIGN FOR A LIGHTING FIXTURE**
John A. Hoeveler, Mount Lebanon, Pa., assignor to Pittsburgh Reflector Company, Pittsburgh, Pa., a corporation of New Jersey
Application March 3, 1938, Serial No. 75,564
Term of patent 14 years



The ornamental design for a lighting fixture as shown.

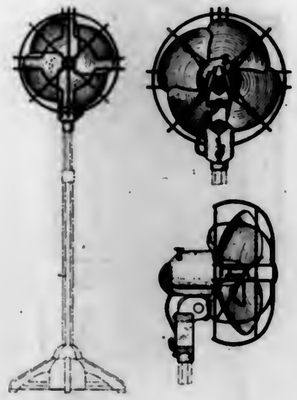
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**169,662**
**DESIGN FOR A GOBLET OR SIMILAR ARTICLE**
Rowena Reed Kostellow, Pittsburgh, Pa., assignor to United States Glass Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application February 9, 1938, Serial No. 74,986
Term of patent 3½ years



The ornamental design for a goblet or similar article substantially as shown and described.

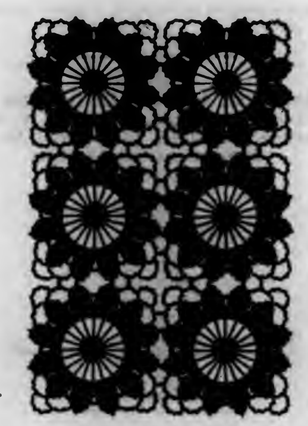
**169,663**
**DESIGN FOR AN ELECTRIC FAN**
Ralph E. Kruck, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application August 14, 1937, Serial No. 71,091
Term of patent 7 years



The ornamental design for an electric fan substantially as shown and described.

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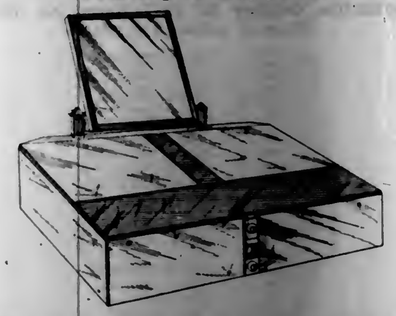
**169,664**
**DESIGN FOR A LACE MEDALLION**
Elik Mahadeen, Jersey City, N. J.
Application March 4, 1938, Serial No. 75,579
Term of patent 3½ years



The ornamental design for a lace medallion as shown.



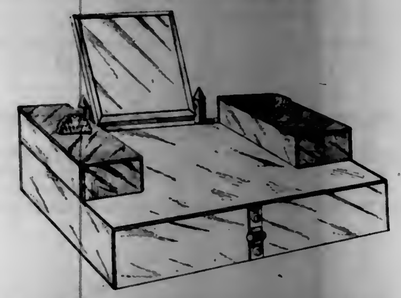
**169,665**
**DESIGN FOR A COMBINED MAKE-UP BOX AND MIRROR**
Carroll K. Marcell, New York, N. Y.
Application February 3, 1938, Serial No. 74,843
Term of patent 3½ years



The ornamental design for a combined make-up box and mirror, as shown and described.

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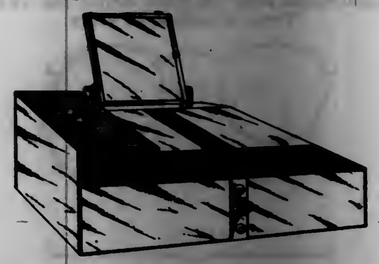
**169,666**
**DESIGN FOR A COMBINED MAKE-UP BOX AND MIRROR**
Carroll K. Marcell, New York, N. Y.
Application February 3, 1938, Serial No. 74,844
Term of patent 3½ years



The ornamental design for a combined make-up box and mirror, as shown and described.

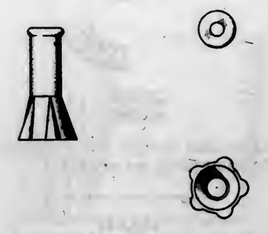
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**169,667**
**DESIGN FOR A COMBINED MAKE-UP BOX AND MIRROR**
Carroll K. Marcell, New York, N. Y.
Application February 3, 1938, Serial No. 74,845
Term of patent 3½ years



The ornamental design for a combined make-up box and mirror, as shown and described.

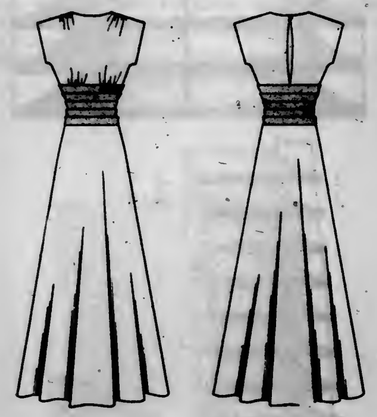
**169,668**
**DESIGN FOR A TASSEL**
Charles N. Merralls, Los Angeles, Calif.
Application March 18, 1938, Serial No. 75,912
Term of patent 14 years



The ornamental design for a tassel, as shown.

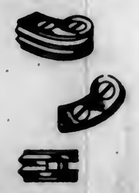
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**169,669**
**DESIGN FOR A DRESS**
Margaret Michelson, New York, N. Y.
Application February 10, 1938, Serial No. 75,026
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

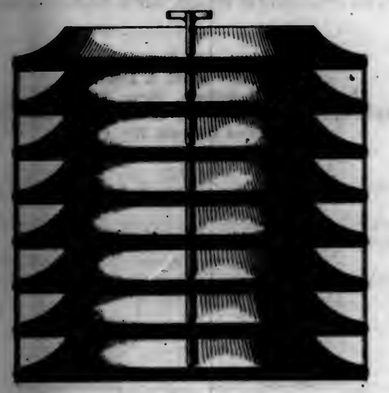
**109,670**
**DESIGN FOR AN ENDPIECE FOR AN OPHTHALMIC MOUNTING**
George E. Nerney, Attlebero, Mass., assignor to Bay State Optical Company, Attlebero, Mass., a corporation of Maine
Application November 20, 1937, Serial No. 73,069
Term of patent 3½ years

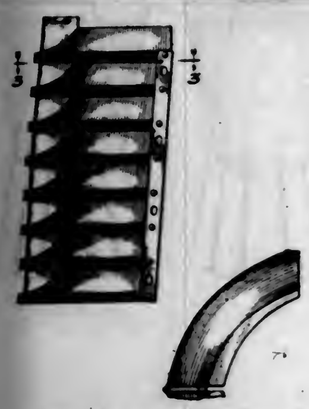


The ornamental design for an endpiece for an ophthalmic mounting, as shown.

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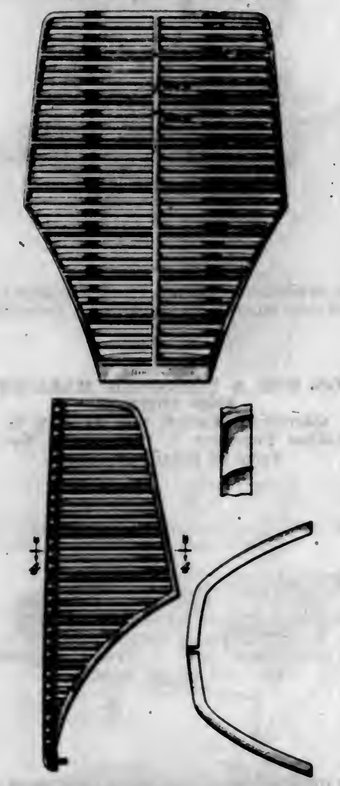
**109,671**
**DESIGN FOR AN ORNAMENTAL GRILLE FOR AN AUTOMOBILE RADIATOR**
John Oswald, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 30, 1937, Serial No. 71,883
Term of patent 3½ years





The ornamental design for an ornamental grille for an automobile radiator as shown.

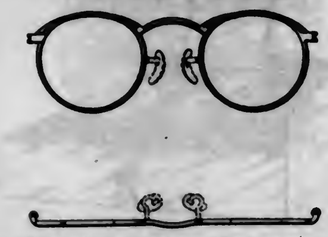
**109,672**
**DESIGN FOR A GRILLE FOR AUTOMOBILE RADIATOR**
John Oswald, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 25, 1937, Serial No. 72,395
Term of patent 3½ years



The ornamental design for a grille for automobile radiator as shown.

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**109,673**
**DESIGN FOR A SPECTACLE FRONT**
Jacob J. Pomerans, Brooklyn, N. Y., assignor to T. & P. Optical Mfg. Co. Inc., New York, N. Y., a corporation of New York
Application July 16, 1937, Serial No. 70,480
Term of patent 14 years



The ornamental design for a spectacle front, as shown.



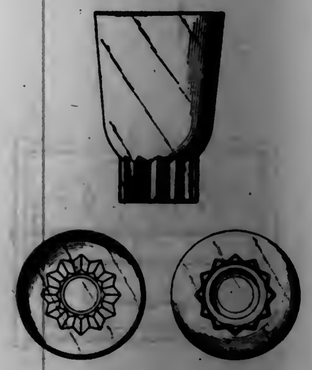
**109,674**
**DESIGN FOR A STOOL**
Joseph M. Ranke, New York, N. Y.
Application February 8, 1938, Serial No. 74,965
Term of patent 7 years



The ornamental design for a stool as shown.

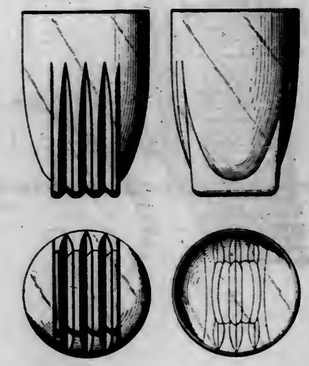
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**109,675**
**DESIGN FOR A TUMBLER OR SIMILAR ARTICLE**
Thomas D. Saunders, Dunbar, W. Va., assignor to Dunbar Glass Corporation, a corporation of West Virginia
Application March 16, 1938, Serial No. 75,874
Term of patent 7 years



The ornamental design for a tumbler or similar article, substantially as shown.

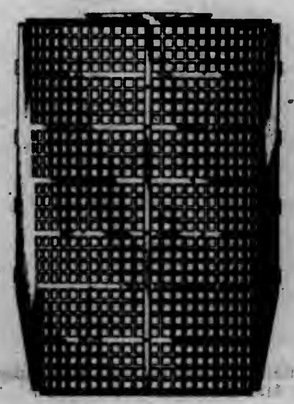
**109,676**
**DESIGN FOR A TUMBLER OR SIMILAR ARTICLE**
Thomas D. Saunders, Dunbar, W. Va., assignor to Dunbar Glass Corporation, a corporation of West Virginia
Application March 16, 1938, Serial No. 75,875
Term of patent 7 years



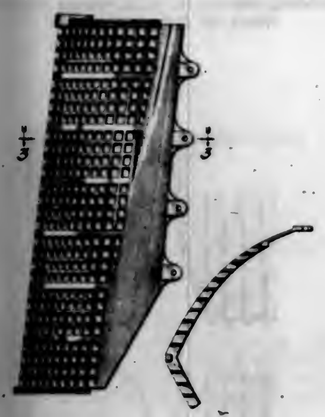
The ornamental design for a tumbler or similar article, substantially as shown.

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**109,677**
**DESIGN FOR A DECORATIVE GRILLE FOR AN AUTOMOBILE RADIATOR**
George Snyder, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 9, 1937, Serial No. 72,098
Term of patent 3½ years

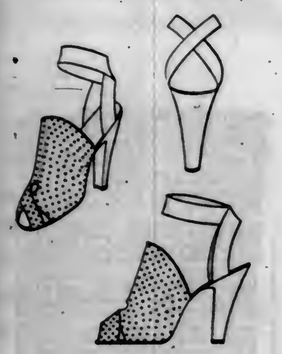


109,677—Continued



The ornamental design for a decorative grille for an automobile radiator as shown.

109,678
DESIGN FOR A SHOE
John R. Sutton, St. Louis, Mo., assignor to Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo., a corporation of Missouri
Application January 3, 1938, Serial No. 74,648
Term of patent 3½ years



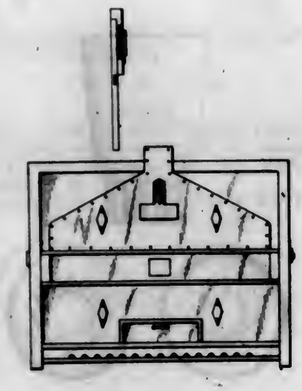
The ornamental design for a shoe substantially as shown and described.

109,679
DESIGN FOR A SHOE
John R. Sutton, St. Louis, Mo., assignor to Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo., a corporation of Missouri
Application January 3, 1938, Serial No. 74,649
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

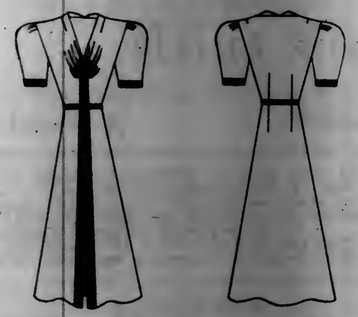
109,680
DESIGN FOR AN OVEN FRONT
Joseph V. Timmons, Dallas, Tex.
Application October 28, 1936, Serial No. 65,548
Term of patent 14 years



The ornamental design for an oven front as shown.

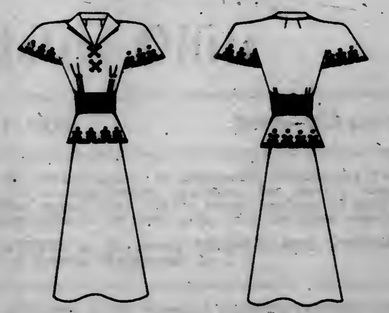


109,681
DESIGN FOR A DRESS
Dorothy Beilinson, New York, N. Y.
Application April 15, 1938, Serial No. 76,507
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

109,682
DESIGN FOR A DRESS
Dorothy Beilinson, New York, N. Y.
Application April 15, 1938, Serial No. 76,509
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

Patents Nos. 2,117,265 to 2,118,026

# THE OFFICIAL GAZETTE
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# United States Patent Office

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|---|---|---|---|
| Trade-Marks | 129—No. | 386,866 to No. | 386,994, inclusive. |
| T. M. Renewals | 13 | | |
| Labels | 84—No. | 51,114 to No. | 51,197, inclusive. |
| Labels Renewed | 1 | | |
| Prints | 19—No. | 16,824 to No. | 16,842, inclusive. |
| Reissues | 8—No. | 20,725 to No. | 20,732, inclusive. |
| Plant Patents | 2—No. | 278 to No. | 279, inclusive. |
| Patents | 763—No. | 2,117,265 to No. | 2,118,026, inclusive. |
| Designs | 111—No. | 100,668 to No. | 100,778, inclusive. |
| Total | 1,126 | | |

## Disclaimer

1,865,742.—*Chester M. MacChesney, Ralph H. Norton, and John Ekern Ott*, Chicago, Ill. STRAP STRETCHING DEVICE. Patent dated November 1, 1932. Disclaimer filed April 21, 1938, by the assignee, *Acme Steel Company*.

Hereby enters this disclaimer to claim 1 in said specification.

## Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Apr. 23, 1938.*

*Redondo Packing Corp., its assigns or legal representatives take notice:*

An application for cancellation having been filed in this Office by Abe Kanner, 721 North State St., Los Angeles, Calif., to effect the cancellation of trade-mark registration of Redondo Packing Corp., 719 Merritt Bldg., Los Angeles, Calif., No. 150,630, dated September 26, 1922, and the notice of such proceeding sent by registered mail to the said Redondo Packing Corp., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Redondo Packing Corp., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

U. S. PATENT OFFICE, *Washington, D. C., Apr. 27, 1938.*

*Affinity Company, its assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of Bourjois, Inc., 35 West Thirty-fourth Street, New York, N. Y., to effect the cancellation of trade-mark registration No. 157,208, issued August 1, 1922, to Affinity Company, 47 Jefferson Avenue, Grand Rapids, Mich., and a notice of such proceeding sent by registered mail to said Affinity Company at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Affinity Company, its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

U. S. PATENT OFFICE, *Washington, D. C., Apr. 27, 1938.*

*The Royer Shoe Company, its assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of Dollar Brothers Shoe Company, 115 South Main Street, Madisonville, Ky., to effect the cancellation of trade-mark registration No. 217,041, issued August 24, 1926, to The Royer Shoe Company, 149 Crescent Street, Brockton, Mass., and a notice of such proceeding sent by registered mail to said The Royer Shoe Company at said address having been returned by the post office as undeliverable, notice is hereby given that unless said The Royer Shoe Company, its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

U. S. PATENT OFFICE, *Washington, D. C., May 2, 1938.*

*Jiffie-Straight Company, Incorporated, its assigns or legal representatives, take notice:*

An application for cancellation having been filed in this Office by Bella Gold Taback, to effect the cancellation of trade-mark registration of Jiffie-Straight Company, Incorporated, Petersburg, Va., No. 132,422, dated June 22, 1920, and the notice of such proceeding sent by registered mail to the said Jiffie-Straight Company, Incorporated, at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Jiffie-Straight Company, Incorporated, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

## Condition of Applications Under Examination at Close of Business April 30, 1938

| Room No. | (Total number of applications awaiting action, excluding Trade-Mark Division, 44,468; Trade-Mark Division, 1,883. Oldest new case, Oct. 1, 1937; oldest amended, Sept. 16, 1937). (The dates given are 1938 except where † indicates 1937) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS | Oldest new application and oldest action by applicant awaiting office action: New | Amended | No. of applications awaiting action |
|---|---|---|---|---|
| 6624 | 1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage. | †Nov. 24 | †Nov. 24 | 754 |
| 6708 | 2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture. | †Dec. 3 | †Dec. 4 | 937 |
| 4098 | 3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces | Mar. 9 | Mar. 9 | 328 |
| 7063 | 4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes. | Jan. 24 | Jan. 31 | 517 |
| 3077 | 5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons | Feb. 7 | Feb. 5 | 574 |
| 4020C | 6. LEWERS, A. M., Carbon Chemistry (part) | †Dec. 27 | †Dec. 27 | 280 |
| 5726 | 7. JARBOE, C. O., Optics; Photography | Jan. 10 | Jan. 11 | 1,017 |
| 2825 | 8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets | Jan. 17 | Jan. 15 | 568 |
| 4624 | 9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors | Feb. 2 | Feb. 5 | 440 |
| 6813 | 10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies, and Tops; Vehicle Fenders; Spring Devices. | †Dec. 28 | Jan. 5 | 304 |
| 5057B | 11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather. | Jan. 11 | Jan. 13 | 517 |
| 7761 | 12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Step Mechanisms; Velocipedes. | †Oct. 21 | †Oct. 21 | 902 |
| 5096 | 13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging, and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling. | †Dec. 17 | †Dec. 17 | 698 |
| 5097 | 14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes. | Feb. 11 | Feb. 11 | 400 |
| 4097 | 15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics | Jan. 8 | Jan. 8 | 1,204 |
| 5716 | 16. SPENCER, C. J., Telegraphy; Telephony | †Dec. 21 | †Dec. 16 | 971 |
| 5701 | 17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting. | Jan. 11 | Jan. 11 | 781 |
| 4612 | 18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | Jan. 4 | Jan. 3 | 469 |
| 4026 | 19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners | Jan. 11 | Jan. 12 | 644 |
| 6605 | 20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making. | Jan. 14 | Jan. 20 | 488 |
| 7720 | 21. THOMPSON, T. J. Textiles; Cloth Finishing | Feb. 1 | Feb. 1 | 326 |
| 5809 | 22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | Jan. 31 | Jan. 31 | 695 |
| 7824 | 23. BUTTNER, W. J., Registers (part) | †Oct. 1 | †Sept. 16 | 291 |
| 6003 | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Jan. 19 | Jan. 19 | 638 |
| 5709 | 25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors. | Jan. 17 | Jan. 21 | 806 |
| 4609 | 26. YOUNG, R. R., Electricity, Generation; Motive Power | Jan. 5 | †Dec. 30 | 512 |
| 5765 | 27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing | †Nov. 9 | †Nov. 9 | 1,022 |
| 4625 | 28. SOLYOM, H. L., Internal-Combustion Engines | Feb. 3 | Jan. 24 | 323 |
| 5082 | 29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables. | †Nov. 12 | †Nov. 10 | 948 |
| 4609 | 30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats. | †Dec. 2 | †Dec. 2 | 908 |
| 4710 | 31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons | Feb. 3 | Jan. 31 | 542 |
| 4609 | 32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating | Jan. 26 | Jan. 22 | 583 |
| 6009 | 33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roads; Roads | Feb. 11 | Jan. 24 | 745 |
| 6635 | 34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders. | Feb. 2 | Jan. 18 | 326 |
| 3670 | 35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles | Jan. 7 | Jan. 11 | 893 |
| 7802 | 36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers | †Nov. 20 | †Dec. 7 | 844 |
| 5486B | 37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits | †Nov. 11 | †Nov. 12 | 787 |
| 2604 | 38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions. | †Nov. 1 | †Nov. 1 | 791 |
| 4676 | 39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances. | †Dec. 30 | †Dec. 30 | 607 |
| 7809 | 40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles | †Dec. 13 | †Dec. 13 | 1,420 |
| 7612 | 41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part) | †Dec. 22 | †Dec. 24 | 304 |
| 4602 | 42. CUTTING, H. O., Electric Signaling | †Nov. 26 | †Oct. 29 | 676 |
| 4063B | 43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch. | Jan. 21 | Jan. 25 | 563 |
| 4037B | 44. HARVEY, L. P., Refrigeration; Dispensing Beverages | †Dec. 2 | †Dec. 8 | 726 |
| 7009 | 45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles. | †Dec. 26 | †Dec. 26 | 744 |
| 4012 | 46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines. | Jan. 7 | Jan. 7 | 899 |
| 6020 | 47. LOWE, R. (Act.), Clutches; Brakes | Jan. 13 | Jan. 13 | 681 |
| 5731 | 48. ROEPKE, O. B., Electricity, General Applications; Ignition | Jan. 10 | Jan. 10 | 518 |
| 7726 | 49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification | †Oct. 29 | †Nov. 2 | 925 |
| 4701 | 50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products | Jan. 31 | Jan. 21 | 681 |
| 5625 | 51. BACKUS, C. D., Radiant Energy | Jan. 27 | Jan. 24 | 860 |
| 7709 | 52. KNOTTS, M. E., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits. | Jan. 27 | Jan. 21 | 823 |
| 6007 | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging. | †Dec. 27 | Jan. 4 | 742 |
| 5674 | 54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes | Mar. 7 | Mar. 3 | 286 |
| 6008 | 55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery | †Nov. 24 | †Dec. 3 | 1,081 |
| 4726 | 56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making | †Dec. 1 | †Nov. 30 | 1,108 |
| 6013 | 57. NICOLSON, C. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Drives and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys. | Jan. 5 | †Dec. 24 | 480 |
| 5606 | 58. DOWELL, E. F., Abrading; Bottles and Jars | Jan. 21 | Jan. 20 | 282 |
| 4709 | 59. SHEPARD, F. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation. | Jan. 27 | Jan. 31 | 615 |
| 5020 | 60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants | †Dec. 24 | †Dec. 24 | 578 |
| 6724 | 61. PARKS, C. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery. | †Nov. 8 | †Nov. 15 | 702 |
| 5621 | 62. PUGH, E. O., Games; Geometrical Instruments | Feb. 4 | Feb. 7 | 582 |
| 4024A | 63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation | Feb. 3 | Feb. 2 | 340 |
| 4709 | 64. WASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Gums; Liquid Coating Compositions; Fuel. | †Dec. 30 | †Dec. 30 | 1,213 |
| 5612 | 65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission | †Dec. 10 | †Dec. 7 | 603 |
| 2606B | TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND | Trade-Marks | Mar. 22 | Apr. 14 | 1,388 |
| | | Labels and Prints | Apr. 2 | Apr. 18 | 225 |
| 2606 | DESIGNS, H. H. KALUFY | | Mar. 23 | Apr. 14 | 631 |



# DECISIONS IN PATENT AND TRADE-MARK CASES

## U. S. Court of Customs and Patent Appeals

MITCHELL AND LANNERD *v.* WHITE

*No. 3,813. Decided December 23, 1937*

[93 F.(2d) 216]

(1) INTERFERENCE—PRIORITY—CONSTRUCTION OF ISSUE—EXPRESS LIMITATIONS IN COUNTS.

"In this kind of case, involving only the question of priority and questions ancillary thereto, express limitations in counts may not be ignored."

(2) SAME—SAME—DOCTRINE OF EQUIVALENTS.

"It is well settled that in this kind of case the doctrine of equivalents cannot be applied."

(3) SAME—SAME—RIGHT TO MAKE THE CLAIM.

Record reviewed and *Held* that W, the senior party, cannot make the claim at bar, and was not entitled to an award of priority.

APPEAL from the Patent Office. Reversed.

*Messrs. Lockwood, Lockwood, Goldsmith & Galt, Mr. Dwight B. Galt* and *Mr. Ralph G. Lockwood* for Mitchell and Lannerd.

*Mr. George A. Smith* for White.

BLAND, *J.:*

This appeal is from a decision of the Board of Appeals of the United States Patent Office, affirming that of the Examiner of Interferences awarding priority of invention to the appellee White in the single count of the interference.

The specific invention involved in the count, which is claim 18 of the Mitchell and Lannerd patent, No. 1,936,335, of November 21, 1933, is concerned with a means for removing the uppermost record from the stack of an automatic phonograph upon the completion of the reproduction of the record. White filed his application May 14, 1931. Appellants' application was filed June 23, 1932. The sole question upon which priority of invention depends is whether or not the count reads upon White's disclosure. It is not disputed but that White is the first inventor of the subject matter of the count if he disclosed it in his application.

The count in issue follows:

In an automatic phonograph, the combination with a turntable adapted to receive a stack of records, and a reproducer, of means for removing the uppermost record from the stack upon completion of the reproduction thereof including an arm pivoted adjacent the turntable, means actuated upon completion of the record for swinging said arm laterally into engagement with the uppermost record of the stack, and means for elevating said arm upon the continued movement of said means for raising said uppermost record to permit the discharge thereof. [Italics ours.]

Originally White, before the Primary Examiner, moved to add to the interference most of the claims of appellants' patent. At the proper time, Mitchell and Lannerd moved to dissolve the interference under rule 122 of the Rules of Practice of the United States Patent Office, on the following ground:

That the disclosure by the party White in his application involved herein does not support the count in interference when construed in the light of the patent in interference and the prior art cited against the interfering patent and application, wherefore, the party White does not have the right to make said count.

Since White's motion to add additional counts was not granted, the motion of Mitchell and Lannerd to dissolve was directed to the sole count in interference which is above quoted. The Primary Examiner denied the motion to dissolve. The Examiner of Interferences awarded priority of invention in the count to White, the senior party, upon a finding that Mitchell and Lannerd had failed to make sufficient showing why judgment on the record should not be entered against them. Upon appeal to the Board of Appeals, the decision of the Examiner of Interferences, awarding priority to White, was affirmed, by a majority of the Board, one member thereof dissenting.

In approaching a decision of the question at bar it seems proper to point out that the record presents a very narrow issue. This is frequently the case where the novelty of the invention rests upon some attachment or improvement to a device in an old and crowded art. The structures disclosed in the Mitchell and Lannerd and the White applications, as pertain to the particular means here involved, are, however, quite different in their character and it will be necessary to describe these structures somewhat in detail in order that the proper meaning of the disputed terms in the count may be understood.

A patent of record to Weser, 1,100,107, of June 16, 1914, is prior art to both parties hereto. His machine is said not to be necessarily an automatic phonograph. However, he discloses a device used on a multiple record phonograph for removing the uppermost record of the stack from its position on the turntable so as to bring the record immediately thereunder to operative position. In order to accomplish this purpose, suitable means or mechanism is provided to project a cam-faced wedge located on the end of a bar between the upper and the lower records. When the wedge is automatically pushed into position between the records, the flat side of the wedge being down and the cam side of the wedge being up, the topmost record is raised to a position where it leaves the center post. The upward movement of the record is not brought about by any upward movement of the bar.

White, as far as the issue here is concerned, proposed to improve this feature of the Weser patent by providing that the flat surface of the wedge attached to the arm would be uppermost as it entered the space underneath the top record. The cam face of the wedge is designed to move upward in contact with the upper side or edge of the second record, the second record serving the purpose of a fulcrum, the pressure against which causes the flat surface of the wedge to be elevated thus elevating the top record. White claims that his wedge when so inserted will not scratch the upper surface of the lower record. In the White device it is not intended that the last record on the stack can be removed by the so-called wedge.

The junior parties, Mitchell and Lannerd, in their patent disclose a radically different device for lift-

ing a reproduced record over the center pin so that the record may be rolled off the turntable by the rotating movement thereof. They state that:

* * * This is accomplished specifically by a movable bifurcated arm adapted to engage and grasp the peripheral edge of the top record on the stack upon completion of the reproduction, lift said record upwardly to a point above the upper end of the centering pin while permitting it to be discharged laterally by the rotating movement of the remaining group of records.

Through various cams, levers, pins, springs, etc., an arm which is situated on a bracket or post at one side of the turntable is caused to swing upwardly toward the stack of records. A feeling finger on said arm comes in contact with the upper edge of the top record and brings a plunger into position so that it may, as the swinging motion continues, enter between the top record and the one beneath it. A continued upward motion of the arm raises the record so that it will slide off the turntable.

It is the contention of the appellants that the count does not read on appellee's disclosure in several respects. They emphasize that

"White embodies no means or element in his machine for *elevating an arm to raise and discharge the uppermost record*, as disclosed by the patent." [Italics quoted.]

It will be noticed that the count recites:

"means actuated upon completion of the record for swinging said arm laterally into engagement with the uppermost record of the stack, and means for elevating said arm upon the continued movement of said means for raising said uppermost record to permit the discharge thereof."

It is the position of the appellants, and substantially that of the dissenting member of the Board, that White shows no means for elevating the rod "for raising said uppermost record"; that the alleged arm of White, which is designated by him as a rod or plunger, raises nothing, but that the cam wedge on the end of the rod raises the record, and in so doing the rod is raised. Appellants especially stress the argument that in White's disclosure there is no arm which "swings laterally into engagement with the uppermost record."

After careful consideration, we are of the opinion that appellants' contentions are sound. White's so-called arm does not "swing laterally" into engagement. We find no such movement in the White structure. Moreover, in the White structure the device for raising the record cannot be regarded as a means which will elevate the arm or rod "for raising said uppermost record to permit the discharge thereof." His arm is raised slightly as an incident to the operation of the other means but its elevation is not for the purpose of raising the uppermost record as is called for by the count. In appellants' device is disclosed a means which elevates the arm in such a way that the elevation of the arm raises the topmost record.

(1) It is too well settled to require extended citation that in this jurisdiction, in this kind of case, involving only the question of priority and questions ancillary thereto, express limitations in counts may not be ignored. *Field* v. *Stow*, 18 C. C. P. A. (Patents) 1502, 49 F.(2d) 1072, 413 O. G. 283; *Atherton* v. *Payne*, 19 C. C. P. A. (Patents) 867, 54 F.(2d) 821, 418 O. G. 818.

Appellee in his brief has devoted considerable space to an argument which amounts to a contention that even though certain limitations in dispute may not be precisely shown in his structure, he has at least shown the equivalent of the structure covered by the limitations.

(2) It is well settled that in this kind of case the doctrine of equivalents cannot be applied. See *In re Key*, 22 C. C. P. A. (Patents) 1098, 76 F.(2d) 398, 459 O. G. 5, also *Ex parte Forsyth*, 18 U. S. P. Q. 124 and cases therein cited.

(3) It is our conclusion that White cannot make the count. Since this is controlling of priority, the Board was in error in awarding priority to the senior party, White, and its decision is reversed.

Reversed.

GRAHAM, the late Presiding Judge, sat during the hearing of this case, but died before the opinion was prepared.

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## U. S. Court of Customs and Patent Appeals

IN RE BURKE, ALLEN, PENT, RITCHIE, AND GALE

*No. 3,810. Decided December 23, 1937*

[93 F.(2d) 50]

PATENTABILITY—PROCESS OF CRYSTALLISING A SALT FROM SOLUTION.

Certain claims for a process of crystallising a salt from solution *Held* patentable.

APPEAL from the Patent Office. Reversed.

*Mr. Charles M. Thomas, Mr. Richard F. Lyon, Messrs. Lyon & Lyon* and *Mr. Clarence O. McKay* for Burke et al.

*Mr. R. F. Whitehead* and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 64 and 65 in appellants' application for a patent for an alleged invention relating to a process of "crystallizing a salt from solution."

Claim 64 is illustrative of the appealed claims. It reads:

64. A process of crystallising a salt from solution, which process comprises passing a solution of said salt into a crystallizing zone in which a body of said solution is maintained under a pressure below atmospheric sufficient to evaporate said body of said solution and cool the surface of the body of said solution at which said evaporation is taking place through removal of heat of vaporization while continuously subjecting the body of solution within said zone together with crystals present to a circulation to and from the evaporating surface of said liquid at a rate substantially in excess of the settling rate of the crystals present.

The references cited are: Block, 1,006,828, October 24, 1911; Isaachsen, 1,478,387, December 18, 1923; Mumford, 1,790,496, January 27 1931; Jeremiassen, 1,860,741, May 31, 1932; Ritchie et al., 1,873,329, August 23, 1932.

For the purpose of this opinion, the involved process is sufficiently described in the quoted claim.

All of appellants' process claims, Nos. 64 to 70, inclusive, were originally rejected by the Primary Examiner on the references of record.

In his answer to appellants' appeal to the Board of Appeals, the Examiner stated that all of the process claims were rejected on the references, and that, in addition, the claims now before us on appeal, Nos. 64 and 65, were rejected as "unduly broad" in that they were

"not limited as to the character of the salt to be crystallised, and are drawn broadly to the process of crystallization of any salt by means of evaporative cooling and agitation."

In explanation of his statement that claims 64 and 65 were "unduly broad," the Examiner said:

"It will be obvious from what has been said above, and from a consideration of the present description that the results here sought are not attainable with any salt at any concentration."

With reference to process claims 60 to 70, inclusive, the Examiner, among other things, said:

"None of these are limited to concentration and temperature conditions necessary to obtain the results here sought, except in a very general way."

In his final decision, dated July 5, 1935, the Examiner, in rejecting claims 66 to 70, inclusive, which are limited to borax, said:

Various details of distinction are drawn from the references. Thus it is contended that the references are not specific to the crystallization of borax; *in this connection it is submitted that details of crystallization of borax to accomplish a given result have not been shown to be essentially different from the details resorted to for purposes of general crystallization as applied to substantially any given salt.* [Italics ours.]

In discussing the question of whether the references disclosed a solution of substantial saturation, and in holding that they did, the Examiner stated:

"In any crystallization procedure it is obviously desirable to obtain the solution in a state which is close to saturation at least prior to performing details of crystallisation."

On appeal, the Board of Appeals reversed the decision of the Primary Examiner as to claims 66 to 70, inclusive, which, as hereinbefore noted, were limited to a particular salt—borax, but affirmed the Examiner's rejection of claims 64 and 65 for reasons which will be hereinafter stated.

In describing the invention, the Board made the following statement:

The appealed claims relate to a method of producing crystals of salt of predetermined and uniform size. Applicants broadly associate the feature of subjecting a solution of salt to partial vacuum at its surface and at the same time so agitating the bath that salt crystals as they be-ing to form are kept suspended by means of an impeller at the bottom of a relatively deep bath of solution under such conditions that the crystals rise at the center of the bath and descend at the sides. New solution is introduced at the bottom and the sludge of solution and crystals is withdrawn from the top of the bath.

With regard to the references cited and their application to the claims appealed to it, Nos. 64 to 70, inclusive, the Board said:

The Examiner relies upon several citations but it appears that the situation presented is that the features are not shown in association in the same method. It is well known to subject solutions of salt to a cooling and concentrating effect of reduced pressure over the surface and it is known that circulation or other agitation of salts during crystallization produces uniform crystallization. The Examiner objects that the claims are not limited to particular salts and particular appropriate critical conditions for each salt involved. Claims 64 and 65 do not name any salt. The remaining claims refer to borax.

On examination of applicants' specification, we find that it does not disclose or suggest using the method for all salts and gives the critical conditions only for the treatment of borax to produce the tetraborate. We must accordingly hold that claims 64 and 65 are broader than and not warranted because not supported by the disclosure in the specification.



It is our opinion that claims 66 to 70 of the claims on appeal present features constituting invention over the art applied by the Examiner *in that none of the citations discloses association of the surface treatment of the bath to reduced pressure while at the same time executing the particular type of agitation specified in the claims.* [Italics ours.]

So that the decision of the Board of Appeals may be better understood, we quote claim 66, which is illustrative of the allowed claims, and comment briefly thereon:

66. A process of crystallising borax from solution, which process comprises passing a solution of borax containing insufficient borate to crystallise the pentaborate upon cooling but sufficient to crystallise the tetraborate into a crystallizing zone in which a body of said solution is maintained under a pressure below atmospheric sufficient to evaporate said body of solution and cool the surface of the body of said solution at which said evaporation is taking place through removal of heat of vaporization, *while circulating the solution to said zone to and from the evaporating surface of said solution at a rate substantially greater than the settling rate of the crystals being formed so as to carry the crystals to said zone substantially to said evaporating surface.* [Italics ours.]

It is obvious from a comparison of appealed claim 64 and allowed claim 66 that the physical steps of the process (including the particular type of agitation, which, the Board said, made the allowed claims patentable over the references of record) described in those claims are substantially the same.

We think it is clear, therefore, that the Board intended to, and actually did, reverse the decision of the Examiner, so far as it held that the claims here on appeal—Nos. 64 and 65—were unpatentable over the references of record; and that its sole reason for affirming the Examiner's rejection of those claims was, as stated by it, that they were broader than appellants' disclosure in that appellants' specification

"does not disclose or suggest using the method for all salts and gives the critical conditions only for the treatment of borax to produce the tetraborate."

The Board of Appeals having expressly reversed the decision of the Primary Examiner so far as he held that the involved claims were not patentable over the references of record, that issue is not before us for consideration. *In re Wagenhorst*, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 78, 433 O. G. 223.

In the process claims here on appeal, the physical steps of appellants' process are applied to salt generally, and are not limited to any particular salt.

Counsel for appellants have called our attention to several statements in appellants' specification which, we think, clearly show that appellants' process is applicable to all salts. Furthermore, original claims 11, 31, and 33 (which, without suggestion by counsel for either of the parties, were, by order of the court, brought into the record in this court) define, as do the appealed claims, a process for the crystallization of all salts. We must hold, therefore, that the Board was in error in holding that the appealed claims are not supported by appellants' disclosure.

Other matters requiring our consideration are whether appellants disclosed in their original application the "appropriate critical conditions for each salt involved", in order to carry out the physical steps of their process, and, if not, whether it was necessary that those alleged critical conditions be set forth in order that one skilled in the art might carry out the process. It may be said, in this con-

nection, that the Board of Appeals did not state in its decision what these critical conditions were. It apparently had in mind, however, the particular degree of concentration or saturation of a salt solution, in view of the fact that, in his answer to the appeal, the Examiner stated that the results to be obtained by the involved process were not obtainable "with any salt at any concentration."

It will be observed that allowed claim 66 calls for a solution of borax containing "insufficient borate to crystallise the pentaborate upon cooling but sufficient to crystallize the tetraborate," etc. That limitation is not contained in the appealed claims. There is no example given in appellants' specification indicating the temperature conditions necessary to obtain the proper concentration of any salt other than borax.

It is conceded by counsel for apellants that "every salt crystallises from its solutions at a different temperature and concentration from every other salt." Counsel argue, however, that such temperature and concentration conditions are well known to any chemist or, if not known by one desiring to use the process, are easily ascertained from any "handbook," as, for example, "'Van Nostrand's Chemical Annual' by Olsen," in which, counsel state, appears a complete list of all inorganic compounds and their solubilities in water, and that, therefore, information as to temperature and concentrations necessary to secure crystallisation of any salt solution by appellants' process is available to all.

Appellants are not claiming the discovery of any new property in any chemical compound, and there is nothing of record to indicate that one skilled in the art could not use their process in crystallising a solution of any salt. Furthermore, in his decision of July 5, 1935, the Examiner stated, as hereinbefore noted, that the details of crystallizing borax by appellants' process had not

*"been shown to be essentially different from the details resorted to for purposes of general crystallization as applied to substantially any given salt."* [Italics ours.]

Evidently the Primary Examiner was of opinion that those "details," although different, would be understood by a chemist or one skilled in the art.

Appellants having fully disclosed in their application that their process could be used in the crystallization of any salt from solution, there being nothing of record to indicate the contrary, and the Board of Appeals having held that the same process as applied to one salt—borax—was patentable over the references, we must hold, for the reasons hereinbefore stated, that the Board erred in rejecting the appealed claims.

Many cases are cited in the briefs of counsel for the parties. However, as the decisive issues before us involve questions of fact only, we deem it unnecessary to discuss the decisions in those cases.

For the reasons stated, the decision of the Board of Appeals is reversed.

Reversed.

GRAHAM, the late Presiding Judge, sat during the argument of this case, but died before the opinion was prepared.

## Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,206,464, G. L. Petersen, Refrigerator show case; Re. 16,941, R. E. Ottenheimer, Refrigerating case, D. C. Ind. (Ft. Wayne), Doc. E 108, *Ottenheimer Bros., Inc.*, v. *McCray Refrigerator Co. et al.* Dismissed upon stipulation Mar. 15, 1938.

1,378,972, W. R. Moore, Electric furnace; 1,444,980, W. E. Moore et al., same, filed Mar. 24, 1938, D. C., W. D. Pa., Doc. E 3294, *Pittsburgh Research Corp. et al.* v. *Swindell Dressler Corp.*

1,413,460, D. F. Curtin, Sanitary paper cup; 1,610,192, C. Barbieri, Conical paper cup and process of making same; 1,792,724, same, Paper cup blank; 1,964,238, A. C. Wood, Cup for confectionaries, D. C., E. D. N. Y., Doc. E 7488, *Vortex-Cup Co.* v. *Imperial Paper Box Corp. et al.* Decree for defendant; dismissing bill (notice Mar. 21, 1938).

1,421,756, C. Arnao, Massage apparatus; 1,962,904, Davis & Nielsen, Steaming apparatus; 1,962,905, R. E. Davis, Scalp steamer, appeal filed Feb. 26, 1938, C. C. A., 8th Cir., Doc. 11138, *Lare Co., Inc.*, v. *Gibbs & Co.*

1,444,980. (See 1,378,972.)

1,517,018. (See Re. 20,606.)

1,541,212, E. P. Harley, Cool cushion and seat;

1,541,213, same, Seat cushion, appeal filed Mar. 4, 1938, C. C. A., 8th Cir., Doc. 11144, *Kool Kooshion Mfg. Co.* v. *Mitchell Mfg. Co.*

1,541,213. (See 1,541,212.)

1,602,510, J. A. Spencer, Thermostatic control;

1,697,886, 1,845,997, same, Temperature-controlling apparatus; 1,776,012, same, Electrical switch for thermostats; 1,813,776, same, Thermostat; 1,718,749, L. K. Marshall, Heat control; 1,897,316, same, Thermostatic switch, filed Mar. 23, 1938, D. C., N. D. Ill., W. Div., Doc. 621, *Spencer Thermostat Co. et al.* v. *Micro Switch Corp.*

1,610,192. (See 1,413,460.) 1,697,886. (See 1,602,510.)

1,712,796, Johnston & Hudson, Teat cup for milking machines, D. C., E. D. Tex. (Tyler), Doc. 754, *Donnelly Process Corp.* v. *Kilgore Refining Co.* Patent held valid, injunction Feb. 24, 1938.

1,718,749. (See 1,602,510.)

1,753,490, J. Whitmore, Dust collector or separator; 1,758,382, 1,760,617, same, Apparatus for separating and collecting dust, filed Mar. 17, 1938, D. C. Del., Doc. E 1258, *American Blower Corp.* v. *Buell Engineering Co.*

1,758,382. (See 1,753,490.)

1,760,226, J. P. Appleby, Sash balance, filed Mar. 24, 1938, D. C., S. D. Calif. (Los Angeles), Doc. E 1356–J, *Graves Co.* v. *A. H. Kersting (Acme Spring Sash Balance Co.).*

1,760,617. (See 1,753,490.)

1,764,040, W. C. Edwards, Jr., Combination harvester, thresher and separator; 1,764,041, same, Combination harvester thresher, D. C., W. D. Mo. (Kansas City), Doc. 2904, *W. C. Edwards, Jr.*, v. *Allis Chalmers Mfg. Co. et al.* Dismissed Mar. 21, 1938.

1,764,041. (See 1,764,040.)

1,773,146, H. F. Kellogg, Wing nut, filed Mar. 26, 1938, D. C., E. D. Wis. (Milwaukee), Doc. 5246, *Central Screw Co.* v. *Quaker Stretcher Co.*

1,776,012. (See 1,602,510.)

1,778,349, T. H. Banfield, Time control for stokers, D. C., S. D. Ind. (Evansville), Doc. E 162, *Iron Fireman Mfg. Co.* v. *Industrial Engineering Corp.* Claims 1 and 2 held valid but not infringed Mar. 1, 1938.

1,792,724. (See 1,413,460.)

1,797,850, L. P. Boll, Fuse link; 1,962,635, A. G. Steinmayer, Fuse, C. C. A., 8th Cir. (St. Louis), Doc. 10961, *J. R. Kearney Corp.* v. *Line Material Co.* Decree reversed, dismissed Mar. 12, 1938.



1,799,471, C. H. Leach, Heat exchange apparatus; Re. 16,878, Re. 19,377, Re. 19,378, same, Refining apparatus, filed Mar. 25, 1938, D. C., W. D. N. Y., Doc. 2215, *C. H. Leach* v. *Ross Heater & Mfg. Co., Inc.*

1,813,776. (See 1,602,510.)

1,845,997. (See 1,602,510.)

1,843,468, A. H. Emery, Jr., Machine for testing the strength of materials, suit for declaratory judgment filed Mar. 25, 1938, D. C., E. D. Pa., Doc. 9963, *Tinius Olsen Testing Machine* v. *Baldwin-Southwark Corp.*

1,867,070, H. Glascock, Automobile engine support, D. C., N. D. Ohio, E. Div., Doc. 5511, *P. O. B. Mfg. Co., Inc.*, v. *The Ohio Rubber Co.* Dismissed Mar. 28, 1938.

1,897,316. (See 1,602,510.)

1,926,443, W. W. Jackson, Fireplace screen, D. C., S. D. N. Y., Doc. E 84/209, *W. W. Jackson* v. *W. H. Jackson Co.* Claims 1, 2, 3, 5, and 7 held invalid in view of prior art, dismissed (notice Mar. 23, 1938).

1,929,366, 2,063,839, L. H. McClintock, Decorative article, D. C., S. D. Calif. (Los Angeles), Doc. E 1049–J, *L. H. McClintock* v. *W. E. Bear.* Dismissed for want of prosecution Feb. 7, 1938.

1,949,394, 1,983,984, T. Martin, Automobile pit, filed Mar. 23, 1938, D. C., S. D. N. Y., Doc. E 86/263, *T. A. Martin et al.* v. *J. Meditz et al.*

1,952,635. (See 1,797,850.) 1,964,238. (See 1,413,460.)

1,962,904. (See 1,421,756.) 1,962,905. (See 1,421,756.)

1,983,984. (See 1,949,394.)

2,063,376, A. B. Lesmeister, Ring, brooch pin, and bracelet, filed Mar. 26, 1938, D. C., S. D. Ohio, W. Div., Doc. E 1036, *C. W. Elford et al.* v. *L. Chickering et al. (Photo Movette Ring Co.).*

2,053,839. (See 1,929,366.)

2,078,087, W. B. Lincoln, Jr., Light shielded handled fibre board case, filed Mar. 28, 1938, D. C., S. D. Ind. (New Albany), Doc. E 112, *Inland Container Corp.* v. *The Martin Bros. Box Co.*

2,101,843, Factor & Fisher, Dry make-up cosmetic in solid cake form, D. C., S. D. Calif. (Los Angeles), Doc. E 1324–J, *Max Factor & Co.* v. *W. L. Vogel.* Consent decree for plaintiff, holding patent valid and infringed, injunction Mar. 23, 1938.

Re. 16,878. (See 1,799,471.)

Re. 16,941. (See 1,206,464.)

Re. 16,426, L. B. Willoughby, Method and means of packeting dough, filed Mar. 22, 1938, D. C., N. D. Calif. (San Francisco), Doc. 4254–L, *Ballard & Ballard Co.* v. *Mary Allan Foods, Inc., et al.*

Re. 19,235, Phelan & Hotchkiss, Electrical apparatus, filed Mar. 18, 1938, D. C., N. D. Calif. (San Francisco), Doc. E 4253–S, *The Brown Instrument Co.* v. *General Controls Co.*

Re. 19,377. (See 1,799,471.)

Re. 19,378. (See 1,799,471.)

Re. 19,580, L. Rothhols, Plate glass transporting truck, filed Mar. 24, 1938, D. C., S. D. N. Y., Doc. E 86/364, *F. M. Rothhols et al.* v. *R. Matzkin et al.*

Re. 20,606 (of 1,517,018), C. R. Seaborne, Paper making machine, filed Mar. 15, 1938, D. C. Del., Doc. E 1257, *The B. F. Goodrich Co. et al.* v. *American Lakes Paper Co.*

Des. 100,163, V. T. Howard, Cravat holder; Des. 100,593, L. E. Baer, same, D. C. R. I. (Providence), Doc. E 538, *Swank Products, Inc.*, v. *A. Silverman et al. (Silverman Bros.).* Dismissed (notice Mar. 18, 1938).

Des. 100,593. (See Des. 100,163.)

Des. 102,497, L. H. Mendelsohn, Hosiery, filed Mar. 24, 1938, D. C., E. D. Pa., Doc. 9961, *Excello Hosiery Mills* v. *Sunrise Knitting Mills, Inc.*

Des. 104,445, G. W. Gundermann, Textile fabric, filed Mar. 22, 1938, D. C., S. D. N. Y., Doc. E 86/362, *Cohn-Hall-Marx Co.* v. *Phillips-Davis, Inc.*

Des. 107,057, P. Schlessel, Dress, D. C., S. D. N. Y., Doc. E 86/179, *New York Dress & Costume Co., Inc.*, v. *Arcadia Dress Co., Inc.* Consent decree for plaintiff (notice Mar. 23, 1938).

Des. 108,865, T. Fritz, Dress ensemble, filed Mar. 23, 1938, D. C., S. D. N. Y., Doc. E 86/361, *B. Weinberg et al.* v. *Gorshire Frocks, Inc.*

T. M. 143,921, S. Cohen, Face powders, face creams, rouge, etc., filed Mar. 25, 1938, D. C. R. I. (Providence), Doc. E 590, *Lady Esther, Ltd.* v. *S. B. Blanzbaum (Lady Esther Shoe Store).*

## Adjudicated Patents

(D. C. Pa.) Nelson patent, No. 1,377,023, for lubricating device, claim 2 *Held* not infringed. *Stewart-Warner Corporation* v. *Universal Lubricating Systems*, 22 F. Supp. 563.

(D. C. Pa.) Hundemer patent, No. 1,619,126, for lubricating device, claim 2 *Held* not infringed. *Id.*

(C. C. A. Mo.) Boll patent, No. 1,797,850, for fuse link, *Held* not infringed. *James R. Kearney Corporation* v. *Line Material Co.*, 95 F.(2d) 299.

(C. C. A. Tex.) Pennington patent, No. 1,822,710, for rotary drilling rig, *Held* invalid. *Pennington* v. *National Supply Co.*, 95 F.(2d) 291.

(C. C. A. Mo.) Steinmayer patent, No. 1,952,635, for fuse, *Held* not infringed. *James R. Kearney Corporation* v. *Line Material Co.*, 95 F.(2d) 299.

## Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,923,254, W. Burstyn and W. Tausig, Direct coupled amplifier, decided March 29, 1938, claims 4, 6, 7, and 10.

Pat. 1,964,853, F. R. Kemmer, Method of treating metal powder, decided February 25, 1938, claim 24.

Pat. 2,045,900, O. H. Dicke, Interlocking system for railroads, decided April 25, 1938, claims 22, 25, and 26.

Pat. 2,068,782, G. B. Watkins and J. D. Ryan, Plastic for laminated safety glass, decided April 23, 1938, claims 1, 2, 3, 4, and 5.

Pat. 2,086,364, H. L. Pike, Automatic clutch, decided April 25, 1938, claims 1 and 8.

Pat. 2,094,650, E. W. Hall, Abrading or polishing tool, decided April 25, 1938, claim 12.

## Changes in Classification

Order No. 3,426, April 27, 1938, directs:

In *class 81, Tools* (Division 29), establish the following subclasses and definitions:

15.2 Repair tools for resilient tires
15.3 Tire bead spreaders.
15.4 Deflating tools.
15.5 Combined cement injectors and plug or patch inserters
15.6 Cement injectors.
15.7 Plug or patch inserters.
15.8 Skid chain applying tools.

15.2. This subclass and those indented hereunder are directed to portable tools having a construction adapting them to one or more of the operations necessary in repairing resilient vehicle tires.

(1) Note.—For tire repair tools wherein heat is being applied for vulcanizing purposes, see class 18, PLASTICS, subclass 18.

(2) Note.—For tire repair machines, see class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 9 and indented subclasses.

(3) Note.—See class 157, WHEELWRIGHT MACHINES, subclasses 6 and 11, for tire setters and removers.

15.3. The repair tool is for spreading pneumatic tire casing beads apart for easy inspection or repair of the interior surface of the tire casing.
Note.—For such devices which are not hand portable but in the nature of machines for shop use or provided with means for attachment to the floor or wall or to a bench, see class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 9.

15.4. Tools for enabling the air to escape from pneumatic tires. These are mostly tools to depress the inflation valve body.
Note.—For combined valve caps and valve manipulating tools, see class 152, RESILIENT TIRES AND WHEELS, subclass 431.

15.5. Tools adapted to apply puncture healing material and insert a patch.
Note.—See definitions of indented subclasses of this class.

15.6. The tire repair tool is for the purpose of applying puncture healing material in fluid form to the interior of a pneumatic tire through a puncture, blowout or aperture in the wall of the tire, or through the valve stem, whether by way of repair or originally.
(1) Note.—For patents disclosing such devices wherein a process is claimed, search class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclasses 9 and 13.
(2) Note.—For such devices which are not hand portable but in the nature of machines for shop use or provided with means for attachment to the floor or wall or to a bench, search class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 13.
(3) Note.—For similar dispensing devices, see class 221, DISPENSING.

15.7. The repair tool is for the purpose of inserting repair plugs or patches into a tire through a puncture, blowout, or other aperture in the wall of the tire.

15.8. Tools for application to anti-skid devices to facilitate their mounting upon or removal from the tire.
(1) Note.—For such tools in combination with the anti-skid device, see class 152, RESILIENT TIRES AND WHEELS, subclass 213.
(2) Note.—For tire chain stretching devices, see class 254, PUSHING AND PULLING IMPLEMENTS, subclass 78.

The patents contained in these subclasses have been taken for the most part from class 152, Resilient Tires and Wheels, subclass 27, abolished in this order.

In *class 137, Water Distribution* (Division 39), establish the following subclasses:

Valves
69.1 Inflation stem type,
69.5 Inflating devices.

The patents contained in subclass 69.1 have been taken for the most part from class 152, Resilient Tires and Wheels, subclass 12, abolished in this order, and recite the combination of the inflation stem valve and the air and dust caps. The patents contained in subclass 69.5 have been taken for the most part from class 152, subclass 11.5, abolished in this order, and are directed to valved inflating devices including one or both of a pressure control means and a pressure indicating means.

In *class 138, Pipes and Tubular Conduits* (Division 52), establish the following subclasses and definitions:

With closures and plugs
Inflation stem type
89.1 Air and dust cap
89.2 Combined,
89.3 Air cap,
89.4 Dust cap.

89.1. Closures for pipes of the inflation stem type comprising an air cap which closes the end of the pipe and a dust cap which shrouds the air cap and a portion of the pipe.
(1) Note.—For one or both of the caps combined with the inflation stem and the inflating valve, see class 137, WATER DISTRIBUTION, subclass 69.1.
(2) Note.—For one or both of the caps combined with the inflation stem and the attachment to the wheel, rim, felly, or tire, see class 152, RESILIENT TIRES AND WHEELS, subclass 428.

89.2. Closures under subclass 89.1 in which the air cap and dust cap are combined in one structure.

89.3. Closures for pipes of the inflation stem type comprising air caps.
Note.—For combined caps and deflating tools, see class 152, RESILIENT TIRES AND WHEELS, subclass 431.

89.4. Closures for pipes of the inflation stem type comprising dust caps.

The patents contained in these subclasses have been taken for the most part from class 152, Resilient Tires and Wheels, subclass 12, abolished in this order.

In *class 18, Plastics* (Division 15), subclass 12, in the third note cancel the reference to class 152, Resilient Tires and Wheels.

In *class 24, Buckles, Buttons, Clasps, Etc.* (Division 5), subclass 68, change the numbers of existing notes "(2)" and "(3)" to (3) and (4) and add:
(2) Note.—For tighteners in combination with resilient tire anti-skid devices, see class 152, RESILIENT TIRES AND WHEELS, subclasses 241 and 242;

and in subclass 241, add the following note:
Note.—For snap hooks with locking devices in combination with resilient tire anti-skid devices, see class 152, RESILIENT TIRES AND WHEELS, subclasses 241 and 242.

In *class 30, Cutlery* (Division 55), in the main class definition cancel present note "(53)" and insert in lieu thereof the following:
(53) 81, Tools, subclass 15.2 and indented subclasses;

and in subclass 123, in note (5) cancel the reference to class 152, Resilient Tires and Wheels, and in the reference to class 81, Tools, after "15, and indented subclasses," insert the following:
15.2 and indented subclasses.

In *class 59, Chain, Staple, and Horseshoe Making* (Division 57), in subclass 84 add the following note:
(3) Note.—For links intended for use for anti-skid purposes, see class 152, RESILIENT TIRES AND WHEELS, subclasses 243–245.

In *class 81, Tools* (Division 29), subclass 44, in note (4) cancel the reference to class 152, Resilient Tires and Wheels.

In *class 89, Ordnance* (Division 22), subclass 36 add the following note:
Note.—For armor for resilient vehicle wheel tires, similar to body armor, see class 152, RESILIENT TIRES AND WHEELS.

In *class 138, Pipes and Tubular Conduits* (Division 52), subclass 97, cancel the present note "(2)" and insert in lieu thereof the following:
(2) Note.—For tire repairing tools, see class 81, TOOLS, subclass 15.2 and indented subclasses;

and add to the definition of subclass 98 the following note:
(3) Note.—For pneumatic tire patches, see class 152, RESILIENT TIRES AND WHEELS, subclass 367 and indented subclasses.

In *class 154, Laminated Fabric and Analogous Manufactures* (Division 61), subclass 15, under "Search class" cancel the reference to class 152, Resilient Tires and Wheels, and insert the following:
134—LIQUID COATING COMPOSITIONS, subclass 17.5.

In *class 230, Gas Pumps and Fans* (Division 9), in note (6) of the main class definition, in note (2) of subclass 33, and in the notes following subclasses 35, 37, and 38, in the reference to class 152, Resilient Tires and Wheels, cancel subclass 11 and insert in lieu thereof *subclass 418 and indented subclasses.*

In *class 238, Railways, Surface Track* (Division 34), subclass 14, change the number of existing note "(2)" to (3) and add:
(2) Note.—For anti-skid devices for resilient tires, see class 152, RESILIENT TIRES AND WHEELS, subclass 208 and indented subclasses.

In *class 245, Wire Fabrics and Structure* (Division 14), in the main class definition in the reference to class 152, Resilient Tires and Wheels, cancel subclasses 3, 17, and 18, and insert in lieu thereof *subclass 302.*

In *class 280, Land Vehicles* (Division 10), subclass 156, add the following note:
Note.—For mud guards attached to resilient tires, see class 152, RESILIENT TIRES AND WHEELS, subclass 154;

and in subclass 201 add at the end of note (3) the following:
For combinations of inflating pumps with some part of a vehicle, see class 230, subclass 33 and indented subclasses;



cancel existing note "(4)" and substitute therefor the following:
(4) Note.—For pumps constructed and arranged so as to be capable of inflating the tires while the vehicle is in motion, see class 152, RESILIENT TIRES AND WHEELS, subclass 415 and indented subclasses.

In *class 294, Handling, Hand and Hoist-Line Implements* (Division 4), in note (4) of the main class definition cancel the reference to class 152, Resilient Tires and Wheels, and in the reference to class 81, Tools, after the number "15" add *15.2 and indented subclasses;* and in subclass 93 in note (4) cancel the reference to class 152, and in the reference to class 81 add *subclass 15.2 and indented subclasses.*

In *class 295, Railway Wheels and Axles* (Division 45), subclass 11, add the following note:
Note.—For similar devices for use with land vehicles, see class 152, RESILIENT TIRES AND WHEELS.

In *class 301, Land Vehicles, Wheels and Axles* (Division 45), subclass 6, add the following note:
Note.—For cooling devices for resilient tires, see class 152, RESILIENT TIRES AND WHEELS, subclass 153;

in subclass 13 add the following note:
Note.—For non-demountable plural rims, see class 152, RESILIENT TIRES AND WHEELS, subclass 376;

in subclass 32 add the following note:
Search Class—
152—RESILIENT TIRES AND WHEELS, subclass 377;

in subclass 39 add the following note:
Note.—For devices for the same purpose enclosed within a pneumatic tire, see class 152, RESILIENT TIRES AND WHEELS, subclass 158;

and in subclass 42 in the reference to class 152, Resilient Tires and Wheels, cancel subclasses "2 and 14", and insert in lieu thereof *subclass 231 and indented subclasses.*

In *class 152, Resilient Tires and Wheels* (Divisions 30 and 45), abolish the group of "Tires" (subclasses 1 to 27), the patents formerly contained therein having been placed for the most part in class 152, subclasses 151 to 431, established in this order. The patents formerly contained in subclass 11.5 have been placed for the most part in class 137, Water Distribution, subclass 69.5, established in this order; those formerly contained in subclass 12 have been placed for the most part in class 137, subclass 69.1, established in this order, and class 138, Pipes and Tubular Conduits, subclasses 89.1 to 89.4, established in this order, and those formerly contained in subclass 27 have been placed for the most part in class 81, Tools, subclasses 15.2 to 15.8, established in this order.

In *class 152, Resilient Tires and Wheels* (Division 45), establish the following subclasses, the patents contained therein having been taken for the most part from the groups of subclasses under "Tires" in class 152, abolished in this order, and the definitions for which may be seen in the Search room:

CLASS 152.—RESILIENT TIRES AND WHEELS.

151 Tires, resilient
152 Emergency,
153 With cooling devices,
154 With splash guards,
155 Cushion and pneumatic combined
156 Metallic spring cushion,
157 Enclosed cushion
158 Internal buffers,
159 Superimposed
160 Plungers,
161 Edge secured cushion,
162 Guide flanges
163 Radial stops
164 Bolts or studs,
165 Integral
166 With removable inner tube,
Armored
167 Anti-skid
168 Radio filaments and laminations,
169 Secured into casing,
170 Detachable
171 Linked mat
172 Tire secured,
173 With circumferential band
174 Bound to felly,
175 Tire secured
176 Inlaid tread,
177 With securing rings,
178 Sectional
179 Tire secured,

CLASS 152—RESILIENT TIRES AND WHEELS—Cont'd

Tires, Resilient
Armored
Anti-skid
Detachable
Sectional
180 Wholly metallic
181 Bound to felly,
182 Tire secured
183 Corner connected sections,
184 With securing rings,
185 External
186 Bound to felly,
187 Tire secured
188 Inlaid tread,
189 With securing rings,
190 Sectional
191 Tire secured,
192 Single tube tires, internal
193 Metal
194 Plates,
195 Inner tube construction,
196 Casing construction
197 Embedded
198 Metal
199 Plates,
200 Annular,
201 Linked mat,
202 Woven,
203 Interliners
204 Cotton, fabric or rubber,
205 Metal
206 Scale armor,
207 Annular,
208 Anti-skid devices
209 Treads
210 With embedded anti-skid
211 Flush with tread,
212 Radial filaments and laminations,
213 Applying and removing devices
214 Vehicle carried
215 Running board carried,
216 Wheel carried,
217 Tighteners
218 Radial,
219 Circumferential,
220 Plural tire,
221 Flexible straps or cords
222 With metal anti-skid,
223 Combined cross chains and plates or bars
224 Superimposed,
225 Plate or bar type
226 With traction lugs
227 Flanges
228 Integral,
229 Calks
230 Integral,
231 Cross chain type
232 Independent sections
233 Securing devices
234 Felly and spoke
235 Spoke clamped,
236 Felly
237 Bound to felly,
238 Spoke,
239 Annular
240 With side anti-skid elements,
241 Securing devices
242 Securing rings,
243 Modified links
244 Solid,
245 With protectors,
246 Cushion
247 Metallic springs
248 Tubular
249 Integral,
250 Woven,
251 Wheel encircling band
252 With supporting springs
253 Leaf
254 Circumferentially extending
255 Center secured,
256 End secured
257 Single end,
258 Transverse
259 Enclosed,
260 Rim secured,
261 Coil
262 Radial
263 Enclosed
264 Annular guide flange,
265 Integral enclosure
266 Arcuate interior surface,
267 Enclosed
268 Integral enclosure
269 Arcuate interior surface,
270 Leaf
271 Circumferentially extending
272 Center secured,
273 End secured
274 Single end,
275 Transverse
276 Embedded,
277 Enclosed
278 Rim secured
279 Retaining ring secured,

CLASS 152—RESILIENT TIRES AND WHEELS—Cont'd

- Tires, Resilient
  - Cushion
    - Metallic springs
      - Leaf
        - Transverse
          - 280 Rim secured
          - 281 Rim flange engagement,
          - 282 Radial securing means,
          - 283 Retaining ring secured,
      - 284 Coil
        - 285 Circumferential
          - 286 Embedded,
          - 287 Enclosed
            - 288 Arcuate interior surface,
        - 289 Radial
          - 290 Sectional tire units
            - 291 With plungers,
          - 292 With plungers,
          - 293 Enclosed
            - 294 Annular guide flange
              - 295 Sectional tread,
            - 296 Integral enclosure
              - 297 With non-metallic band,
              - 298 Arcuate interior surface
                - 299 With non-metallic band,
    - 300 Sectional
      - 301 Annular
        - 302 Superimposed,
      - 303 Superimposed,
      - 304 With apertured external binders,
      - 305 Radial bolt secured,
      - 306 Abutting sections
        - 307 With annular internal binders,
        - 308 Interfitting,
        - 309 Indented at joints,
    - 310 Casing enclosed core
      - 311 Separate core
        - 312 Removable
          - 313 Sponge rubber,
          - 314 With core compression,
          - 315 Superimposed rings,
          - 316 Sectional transversely
            - 317 Balls,
          - 318 Integral structure
            - 319 Recessed
              - 320 Chambered,
              - 321 Perforated,
              - 322 Chambered,
        - 323 Integral
          - 324 With recesses
            - 325 Chambered,
          - 326 With perforations,
          - 327 Chambered
            - 328 Multiple
              - 329 Annular,
  - 330 Pneumatic
    - 331 Multiple chamber
      - 332 Cylinder and piston,
      - 333 Transverse walls
        - 334 Mutually free walls
          - 335 Interfitting,
          - 336 Balls,
          - 337 With simultaneous inflating means,
        - 338 With simultaneous inflating means,
      - 339 Annular chambers
        - 340 Mutually free walls
          - 341 With simultaneous inflating means,
        - 342 With simultaneous inflating means,
    - 343 Sectional casings
      - 344 Circumferential
        - 345 Rigid inner sections,
    - 346 Self healing
      - 347 With material,
      - 348 Compression,
    - 349 Inner tubes
      - 350 Fabric reinforced,
    - 351 Casing and inner tube anti-creep,
    - 352 External shape
      - 353 Sidewall,

CLASS 152—RESILIENT TIRES AND WHEELS—Cont'd

- Tires, Resilient
  - Pneumatic
    - 354 Carcass material arrangement
      - 355 Combined materials,
      - 356 Cord,
    - 357 Carcass materials
      - 358 Woven, braided, or knit,
      - 359 Cord,
    - 360 Ply cushions,
    - 361 Breaker strips,
    - 362 Beads,
    - 363 Casing closures
      - 364 Positive,
      - 365 Flaps,
      - 366 With rim bands,
    - 367 Patches
      - 368 Mechanically secured
        - 369 Inside and outside, bolt connected,
      - 370 With plugs,
      - 371 Bandages
        - 372 Mechanically secured
          - 373 To felly or rim,
    - 374 Arrangement of rubber materials,
    - 375 Wheel securing means
      - 376 Plural tire,
      - 377 Retracting wheel section,
      - 378 Integral rims
        - 379 Interlocking tire and rim
          - 380 Tire embraced rim,
          - 381 Deep channel rim,
          - 382 Clincher rim
            - 383 Pneumatic tire,
            - 384 With anti-creep lugs,
      - 385 Axial,
      - 386 Radial
        - 387 With circumferential tire incorporated clamps,
      - 388 With annular tire incorporated clamps
        - 389 With mechanically joined ends
          - 390 Adjustable
            - 391 Pneumatic tire,
        - 392 Adjustable,
      - 393 Reinforced tire base structure
        - 394 Metallic external base ring,
        - 395 With annular exterior clamps,
      - 396 Separable rim parts
        - 397 Exterior clamps
          - 398 Lateral acting,
        - 399 Interior clamps
          - 400 Spreaders
            - 401 Combined sectional channel,
          - 402 Sectional channel
            - 403 Duplicate sections
              - 404 Pneumatic tire,
            - 405 Pneumatic tire
              - 406 Split side flange
                - 407 End connected,
                - 408 With rim engaging end lugs,
              - 409 Locking ring secured
                - 410 Split locking ring,
              - 411 Overlapping section
                - 412 Bayonet or threaded joint,
                - 413 Bayonet or threaded joints,
              - 414 Hinged section,
    - 415 Inflating devices
      - 416 Vehicle body carried supply
        - 417 Rotary joints,
      - 418 Wheel carried supply
        - 419 With positive pump operating means
          - 420 Gearing,
          - 421 Cam
            - 422 Eccentric bearing,
          - 423 Obstacle
            - 424 Ground
              - 425 Casing interposed
                - 426 Casing enclosed pump,
    - 427 Combined wheel and valve stem
      - 428 With dust cap,
    - 429 Combined tire and valve stem
      - 430 Reinforcements or patches,
    - 431 Combined valve stem cap and tool.

# TRADE-MARKS

## OFFICIAL GAZETTE, MAY 17, 1938

[VOL. 490. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

## CLASS 1

### Raw or Partly-Prepared Materials

Ser. No. 400,901. BELL & ZOLLER COAL COMPANY, Chicago, Ill. Filed Dec. 16, 1937.

Applicant disclaims "Washed" apart from the mark.

Superwashed

For Coal.

Claims use since Aug. 1, 1935.

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Ser. No. 403,299. BERKSONS LEATHER CO. INC., New York, N. Y. Filed Feb. 23, 1938.




For Raw Leather and Cut Sole Leather.

Claims use since Dec. 31, 1930.

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Ser. No. 403,508. THE KIBNER COAL COMPANY, Cleveland, Ohio. Filed Feb. 24, 1938.

"BLACKIES"

For Coal.

Claims use since Dec. 1, 1937.

Ser. No. 404,563. THE CONSOLIDATED COAL COMPANY, St. Louis, Mo. Filed Mar. 28, 1938. Under 10-year proviso.

Mount Olive

For Coal.

Claims use since Aug. 1, 1886.

## CLASS 2

### Receptacles

Ser. No. 400,022. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Nov. 22, 1937.




The words "Nursery Set" and "By Owens-Illinois Glass Company" are disclaimed apart from the mark.

For Nursery Sets, Each Including a Plurality of Jars and a Holder Therefor.

Claims use since Oct. 20, 1937.

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Ser. No. 403,316. KENSINGTON, INCORPORATED, New Kensington, Pa. Filed Feb. 23, 1938.



For Ornamental Bowls, Dishes, Jars, Boxes, Trays, and Similar Receptacles for Fruit, Candy, Nuts, Bonbons, and the Like, Vases, Pitchers, Sugar Bowls, Punch Bowls, Ice Buckets, Wine Buckets, Serving Dishes and Trays, and Sandwich Trays, of Base Metal.

Claims use since May 1, 1937.

Ser. No. 403,882. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Mar. 9, 1938.

**HUMIDRAWER**

For Vegetable Bins for Refrigerators.
Claims use since Nov. 1, 1937.

## CLASS 3

### Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 404,285. ATLAS LUGGAGE MFG. CO., INC., New York, N. Y. Filed Mar. 21, 1938.

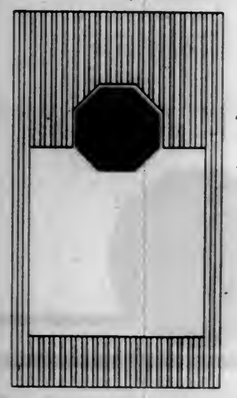



The drawing is lined for red and dotted for gold. No claim is made to the word "Salta" apart from the mark.
For Suit Cases, Wardrobe and Steamer Trunks, Valises, and Travelling Hat Cases.
Claims use since March, 1934.

## CLASS 4

### Abrasive, Detergent, and Polishing Materials

Ser. No. 352,586. KWIK PRODUCTS COMPANY, San Antonio, Tex. Filed June 12, 1934.



No claim is made to the words "The Kwik Way" apart from the mark. The drawing is lined for green.
For Metal and Silver Polish.
Claims use since Nov. 2, 1932.

Ser. No. 394,663. BEBE LINA HADDAD, doing business as The Wyp-A-Way Soap Co., Cleveland, Ohio. Filed June 29, 1937.




The words "Wash the World With" are claimed only in the association shown.
For Soap.
Claims use since February, 1927.

Ser. No. 403,385. FORT ORANGE CHEMICAL CO., INC., Albany, N. Y. Filed Feb. 25, 1938.

*Dentglo*

For Cleansing Powder for Dentures.
Claims use since Jan. 11, 1938.

Ser. No. 404,245. WILLIAM T. CASEY, Boston, Mass. Filed Mar. 19, 1938.

**LAUNDITE**

For Cleansing Product for All Types of Fabric and Cloth.
Claims use since Jan. 1, 1938.

Ser. No. 404,448. NEW HAMPSHIRE DIATOMITE COMPANY, Portsmouth, N. H. Filed Mar. 24, 1938.

**OPALEX GLOSSTEX**

For Diatomaceous Earth Products Especially Prepared for Use in Polishes.
Claims use since Jan. 6, 1938.



Ser. No. 404,587. JAMES A. SMITH, Philadelphia, Pa. Filed Mar. 28, 1938.




For Soap in Both Solid Cake and Powder Form.
Claims use since Mar. 1, 1938.

## CLASS 5

### Adhesives

Ser. No. 402,111. GEORGE H. BARGE, Jamaica, Long Island, N. Y. Filed Jan. 20, 1938.

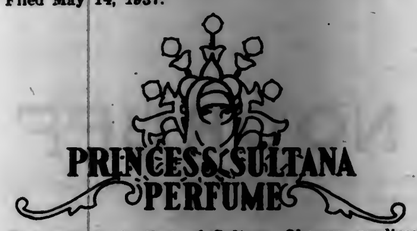



The word "Cement" is disclaimed apart from the mark.
For Cement for Adhesively Uniting Leather Articles, Such as for Adhesively Attaching Soles to Shoes.
Claims use since Dec. 16, 1937.

## CLASS 6

### Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 392,765. HARRY OHAYON, New York, N. Y. Filed May 14, 1937.




The portrait is that of Sultana Ohayon, applicant's sister. No claim is made to the word "Perfume" apart from the mark.
For Perfume.
Claims use since 1925.

Ser. No. 399,875. ATLAS POWDER COMPANY, Wilmington, Del. Filed Nov. 18, 1937.

METALITE ZATEX

For Solutions of Cellulose Derivatives—Namely, Cellulose Esters and Ethers, for Printing, Finishing, Delustering and/or Coating Textiles, Fabric, Wood, Metal, Etc.
Claims use since Aug. 27, 1937.

Ser. No. 400,606. MERCK & CO. INC., Rahway, N. J. Filed Dec. 8, 1937.

**SOLUSETAZINE**

For Human and Veterinary Medicines Used in Bacterial Infections.
Claims use since Nov. 23, 1937.

Ser. No. 401,842. ANDREW WILSON, INC., Springfield, N. J. Filed Jan. 12, 1938.

*Wilson's*

**FORM-O-DUST**

No claim is made to the words "Dust" or "Wilson's" apart from the mark.
For Insecticide and Fungicide Especially Adapted for Treating Seed and Soil.
Claims use since Mar. 15, 1936.

Ser. No. 402,405. H. E. MATHENY, Charleston, W. Va. Filed Jan. 28, 1938.

**ACMETOL**

For Preparation for Treating Athlete's Foot and Ring Worm.
Claims use since Mar. 12, 1938.

Ser. No. 403,222. PINAUD INCORPORATED, New York, N. Y. Filed Feb. 19, 1938.

**EYEGLEAM**

For Eye Make Up Product of a Nature Similar to Eye Shadow.
Claims use since Feb. 11, 1938.

Ser. No. 403,404. ETABLISSEMENTS RIGAUD INC., New York, N. Y. Filed Feb. 25, 1938.

**FÉERIE MODERNE**

No claim is made to the word "Moderne" apart from the mark.
For Perfumes, Face Powder, Compacts, Lipstick, Rouge.
Claims use since Jan. 17, 1938.

Ser. No. 403,510. ALBERT LANDRIN, Paris, France. Filed Feb. 28, 1938.

# LÉNIFEDRINE

For Liquid With an Ephedrine Base for Treatment of Colds and Affections of the Respiratory Passages.
Claims use since June 3, 1931.

Ser. No. 403,565. C. NELSON SMITH CO. INC., West Allis, Wis. Filed Mar. 1, 1938.

# D-O-D

For Preparation Used as an Antiseptic Douche for Cows, for the Treatment of Scours in Calves, for the Treatment of White Diarrhea in Little Chickens; a General Deodorant, Disinfectant, and Germicide; and Also for Human Use in the Treatment of Eczema, Barber's Itch, Poison Ivy, Running Sores, Asthma, Colds, Sore Throat, Poisonous Bites, Scalds, Burns, Blood Poisoning, Carbuncles, Boils, Ptomaine Poisoning, Pyorrhea, Diabetes, Piles, Gangrene, and Mouth-Wash.
Claims use since 1898.

Ser. No. 403,825. ALFRED A. OSTEN, doing business as Rat Lunches Company, Carroll, Iowa. Filed Mar. 8, 1938.



# RAT LUNCHES

The word "Rat" is disclaimed any other than as used in connection with this mark.
For Vermin Exterminator for Rats and Mice.
Claims use since September, 1933.

Ser. No. 403,880. THE C. I. TOGSTAD COMPANY, Kokomo, Ind. Filed Mar. 9, 1938.

# MARIET

For Cosmetics—Namely, Facial Creams, Powders, Rouge, Lipsticks, Rouge Compacts, Facial Lotions, Skin Tonics and Fresheners, Witch Hazel, Perfumes, Toilet Waters and Colognes, After Shaving Lotions, Shampoos, Hairdressings, Curling, Waving and Dressing Fluids, and Depilatories.
Claims use since July, 1920.

Ser. No. 404,131. MCNEIL DRUG COMPANY, doing business as McNeil Drug Co. (Inc.), Jacksonville, Fla. Filed Mar. 16, 1938.




No claim is made to the words "Liniment" and "Brand" apart from the mark.
For Liniment for Local Application for Sprains, Bruises, and Muscular Cramps Due to Exposure and Fatigue, and for Simple Neuralgia.
Claims use since 1916.

Ser. No. 404,161. CITRO CHEMICAL COMPANY OF AMERICA, Maywood, N. J. Filed Mar. 17, 1938.

# GENOX

For Dusting Powder and Nursery Powder.
Claims use since January, 1918.

Ser. No. 404,204. CHARLES H. CILISKE, Chicago, Ill. Filed Mar. 18, 1938.

# NODRUFF

For Preparation for Treatment of Dandruff, and Sore or Chapped Face and Hands.
Claims use since July 16, 1935.

Ser. No. 404,343. ALMAY PHARMACEUTICAL CORPORATION, New York, N. Y. Filed Mar. 22, 1938.

# AQUALATUM

For Ointment Base To Be Used as a Vehicle for the Administration of Therapeutic Agents or Certain Skin Medicines, the Use Depending Upon the Medicines Employed.
Claims use since Feb. 23, 1938.



Ser. No. 404,355. EFFANTAS PRODUCTS, INC., New Rochelle, N. Y. Filed Mar. 22, 1938.

# EFFACHLOR TABLETS

No claim is made to the word "Tablets" as part of the mark.
For Effervescent Antiseptic Chloramine Tablets, a Preparation Used as a Personal Antiseptic, Deodorant, Disinfectant, and Germicide.
Claims use since Nov. 1, 1937.

Ser. No. 404,360. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Mar. 22, 1938.

# DORMASOL

For Insecticides.
Claims use since Feb. 9, 1938.

Ser. No. 404,410. KEARBEY & MATTISON COMPANY, Ambler, Pa. Filed Mar. 23, 1938.

# CLEARCARB

For Magnesia Carbonate.
Claims use since Mar. 1, 1938.

Ser. No. 404,444. KILGORE DEVELOPMENT CORPORATION, Washington, D. C. Filed Mar. 24, 1938.

# SUFFONE

For Insecticide and Insectifuge.
Claims use since Nov. 23, 1936.

Ser. No. 404,462. ARIDYE CORPORATION, Fair Lawn, N. J. Filed Mar. 25, 1938.

# Aridye

For Textile Printing Pastes and Textile Printing Colors.
Claims use since Sept. 8, 1937.

Ser. No. 404,576. MCNEIL DRUG COMPANY, doing business as McNeil Drug Co. Inc., Jacksonville, Fla. Filed Mar. 28, 1938.



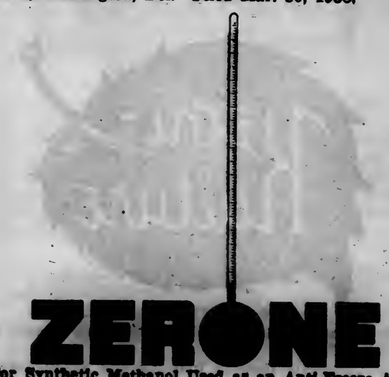

For Pills for Relief of Occasional Constipation and Headache and Biliousness Due to This Condition.
Claims use since 1908.

Ser. No. 404,611. LANMAN & KEMP-BARCLAY & CO., INCORPORATED, New York, N. Y. Filed Mar. 29, 1938.

L&K

For Laxative Preparations; Sarsaparilla; Witch Hazel Extract; Ointments Recommended for Use When Cutaneous Absorption is Desired, and in Cases of Certain Local External Affections, Such as Piles, Carbuncles, Boils, Sores, and Other Local External Affections of a Similar Nature; Cod Liver Oil; Liniments for External Use in the Treatment of Rheumatism, Neuralgia, Gout, Sciatica, Pains in the Neck and Chest, Dislocations, Bruises, Insect Bites, and Burns; Vermifuges; Pectoral Compound for Coughs, Asthma, and Bronchitis, and an Anodyne; Preparations for the Promotion of the Flow of Bile and for the Relief of Malarial Fever; Medicinal Seed—Namely, a Bowel Regulator; Preparations for Preserving and Beautifying the Hair; and Talcum Powder.
Claims use since January, 1923.

Ser. No. 404,674. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Mar. 30, 1938.




For Synthetic Methanol Used as an Anti-Freeze Agent in Automotive Vehicles and Heating Systems.
Claims use since July 1, 1933.

## CLASS 8

### Smokers' Articles, Not Including Tobacco Products

Ser. No. 399,039. ALFRED DUNHILL OF LONDON, INC., New York, N. Y. Filed Oct. 28, 1937.

TALLY HO

For Smokers' Pipes.
Claims use since July 15, 1937.

Ser. No. 403,668. LARUS & BROTHER COMPANY, Richmond, Va. Filed Mar. 3, 1938.

Signature

For Pipes.
Claims use since Feb. 8, 1938.

## CLASS 9

### Explosives, Firearms, Equipments, and Projectiles

Ser. No. 405,015. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn. Filed Apr. 8, 1938.

SUPER MATCH

For Automatic Pistols.
Claims use since Feb. 9, 1934.

Ser. No. 405,037. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed Apr. 8, 1938.

MATCHMASTER

For Firearms, Particularly Sporting Shotguns and Rifles.
Claims use since Mar. 31, 1938.

## CLASS 10

### Fertilizers

Ser. No. 403,319. MARTIN H. MAEDER, doing business as Kemi-Kulture Products Co., Los Angeles, Calif. Filed Feb. 23, 1938.




No claim is made to the word "Kulture" apart from the mark.
For Chemicals Used in Inducing and Stimulating the Growth of Plants, Shrubs, and Trees.
Claims use since Feb. 1, 1938.

Ser. No. 403,805. VIRGINIA CAROLINA CHEMICAL CORPORATION, Richmond, Va. Filed Mar. 7, 1938.

HUMU-PHOS

For Fertilizers.
Claims use since Feb. 5, 1938.

## CLASS 12

### Construction Materials

Ser. No. 397,604. BAK-A-NAMEL, INC., Los Angeles, Calif. Filed Sept. 21, 1937.

Bak-A-Namel

For Wall Covering Materials in the Form of Sheets of Sufficient Thickness to Maintain a Comparatively Stiff Structure Similar to Pressed Fibre Board or Wall Board Including Block and Tile Simulations, Marble Simulations, and Colored and Plain Wall Covering Material, and Coatings for General Use.
Claims use since January, 1937.

Ser. No. 404,559. AMERICAN BITUMULS COMPANY, Wilmington, Del., and San Francisco, Calif. Filed Mar. 28, 1938.

STABILITE

For Asphalt, Asphalt Emulsions, Asphalt Compositions.
Claims use since Mar. 4, 1938.

## CLASS 13

### Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 402,517. DISPENS-OR VALVE CORPORATION, San Francisco, Calif. Filed Jan. 31, 1938.

SEEL-FLO

For Dispensing Faucets for Attachment to Bottles, Cans, Barrels, Drums, and Other Containers.
Claims use since Nov. 15, 1937.

## CLASS 15

### Oils and Greases

Ser. No. 403,483. UPLAND PRODUCTS COMPANY, Winona, Minn. Filed Feb. 26, 1938.

IVALINE

For Lubricating Oils.
Claims use since Nov. 20, 1937.



Ser. No. 404,493. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 25, 1938.



For Lubricating Oil.
Claims use since Oct. 31, 1937.

Ser. No. 404,750. A. RAYMOND DAVIS, doing business as Oilless Shacklube Laboratories, Chicago, Ill. Filed Apr. 1, 1938.

SHACKLUBE

For Lubricant Especially Adapted for Use in Lubricating the Rubber Parts of Vehicles and Engines, Including Shackles, Fan Belts, and Like Parts Made Wholly or in Part of Rubber.
Claims use since Nov. 22, 1937.

## CLASS 16

### Paints and Painters' Materials

Ser. No. 401,770. DE-FI-AL ROOFING CO., INC., Newark, N. J. Filed Jan. 11, 1938.

HYPER-SEAL

The word "Seal" is disclaimed per se apart from the mark.
For Protective Waterproof Liquid Coating Material in Various Colors for Walls and the Like.
Claims use since Jan. 6, 1938.

Ser. No. 401,904. METALLGESELLSCHAFT AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Jan. 14, 1938.

METALLOGEN

For Synthetic Paint Enamels.
Claims use since 1935.



## CLASS 17

### Tobacco Products

Ser. No. 396,075. BREWSTER CIGAR CO., Seattle, Wash. Filed Aug. 28, 1937.




Applicant disclaims the word "Blend" apart from the mark.
For Smoking Tobacco, Including Cigars, Cigarettes, and Pipe Tobacco.
Claims use since November, 1898.

## CLASS 19

### Vehicles, Not Including Engines

Ser. No. 403,738. CLAYTON L. SMITH, Arlington, N. J. Filed Mar. 5, 1938.

POWERATED

For Used Automobiles.
Claims use since Feb. 24, 1938.

## CLASS 21

### Electrical Apparatus, Machines, and Supplies

Ser. No. 390,368. JAMES R. KEARNEY CORPORATION, St. Louis, Mo. Filed Mar. 22, 1937.

JAMES R. KEARNEY CORPORATION ST. LOUIS, MO.

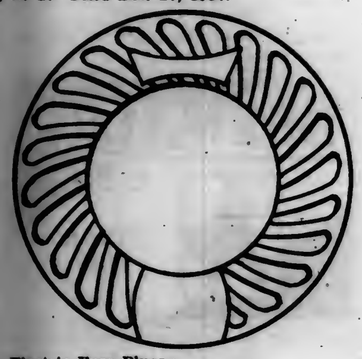
No claim is made to the designation "St. Louis, Mo." apart from the mark.
For Overhead and Underground Electric Line Equipment—Namely, Electrical Connectors, Lightning and Surge Arresters, Electrical Clamps, Grounders, Electrical Switches and Parts Thereof, Fuse Links, Drop Wire Grips, Wire Holders, and Electrical Cutouts, and Parts Thereof.
Claims use since September, 1926.

Ser. No. 397,580. JAMES R. KEARNEY CORPORATION, St. Louis, Mo. Filed Sept. 20, 1937.

TRIP-O-GAP

No claim is made to the words "Trip" and "Gap" apart from the mark.
For Electrical Surge Arresters and Parts Thereof.
Claims use since Aug. 11, 1937.

Ser. No. 400,951. EAGLE ELECTRIC MFG. CO. INC., Brooklyn, N. Y. Filed Dec. 17, 1937.



For Electric Fuse Plugs.
Claims use since June, 1933.

Ser. No. 402,631. HUDSON STEEL & TUBE CORP., New York, N. Y. Filed Feb. 3, 1938.




For Bicycle Electric Lamps and Electric Generators.
Claims use since February, 1936.

Ser. No. 404,473. JULIEN P. FRIEZ & SONS, INC., Baltimore, Md. Filed Mar. 25, 1938.

NITE-TEMP

For Clock-Operated Electrical Switch.
Claims use since Oct. 29, 1937.

Ser. No. 404,484. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill. Filed Mar. 25, 1938.

PINCOR

For Generators, Electric Motors, Dynamotors, Inverted Rotary Convertors, Motor Generators, Gas Engine Driven Electric Generating Plants, Wind Driven Electric Generating Plants, Battery Charging Plants, and Electric Power Plants.
Claims use since Mar. 22, 1938.

Ser. No. 404,508. ANACONDA WIRE & CABLE COMPANY, New York, N. Y. Filed Mar. 26, 1938.

ACR

For Insulated Electrical Wire and Cable.
Claims use since Oct. 5, 1931.

Ser. No. 404,509. ANACONDA WIRE & CABLE COMPANY, New York, N. Y. Filed Mar. 26, 1938.

ANW

For Insulated Electrical Wire and Cable.
Claims use since June 22, 1933.

Ser. No. 404,511. ANACONDA WIRE & CABLE COMPANY, New York, N. Y. Filed Mar. 26, 1938.

AHR

For Insulated Electrical Wire and Cable.
Claims use since Dec. 15, 1933.

Ser. No. 404,512. ANACONDA WIRE & CABLE COMPANY, New York, N. Y. Filed Mar. 26, 1938.

AMR

For Insulated Electrical Wire and Cable.
Claims use since Feb. 16, 1938.

## CLASS 22

### Games, Toys, and Sporting Goods

Ser. No. 390,669. WILLIAM G. RANNEY, Pittsburgh, Pa. Filed Mar. 29, 1937.

*QUACK--QUACK*

For Toys—Namely, Wheeled Toys.
Claims use since Feb. 2, 1936.

Ser. No. 390,680. THOMAS WILLIAMS, Charleston, W. Va. Filed Mar. 29, 1937.

"Duffer Golf"

No claim is made to the word "Golf" apart from the mark.
For Indoor Golf Games.
Claims use since June, 1936.

Ser. No. 399,568. PARKER BROTHERS INC., Portland, Maine, and Salem, Mass. Filed Nov. 10, 1937.

"THAT'S ME"

For Board Game Played with Movable Pieces.
Claims use since July 17, 1937.



Ser. No. 400,539. TOY CREATIONS, INC., Jersey City, N. J. Filed Dec. 6, 1937.



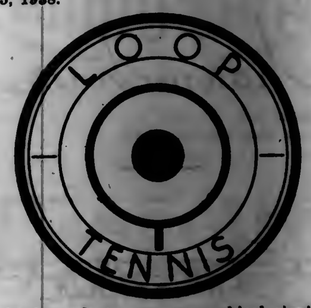

No claim is made to the words "Little", "Dillon", and "Doll Creation" apart from the mark, or to the representation of the goods and the outline of the label.
For Dolls.
Claims use since Nov. 10, 1937.

Ser. No. 401,925. D & D CORPORATION, Miami Beach, Fla. Filed Jan. 15, 1938.

HORSE-O-SCOPE

For Race Result Predicting Devices Comprising Physically Shiftable, Manually Operated, Cooperating Elements.
Claims use since Jan. 8, 1938.

Ser. No. 403,417. GEORGE E. MACY, Chicago, Ill. Filed Feb. 25, 1938.




No claim is made to any geographical significance of the word "Loop".
For Indoor and Outdoor Tethered Ball Games.
Claims use since June, 1933.

Ser. No. 404,680. AUCTIONITE, INC., Newark, N. J. Filed Mar. 31, 1938.

AUCTIONITE

For Games and Accessories Used in Connection with Games.
Claims use since Mar. 17, 1938.

Ser. No. 404,727. WILLIAM J. SHEPROW, Garden City, Long Island, N. Y. Filed Mar. 31, 1938.

BUDGET

For Card Games.
Claims use since Mar. 25, 1938.

Ser. No. 404,804. ERICH A. HASSE, doing business as American Acro Co., West Reading, Pa. Filed Apr. 2, 1938.

ACRO WHEEL

No claim is made to the word "Wheel" apart from the mark.
For Exercising Wheels.
Claims use since Mar. 29, 1938.

Ser. No. 405,072. IDEAL NOVELTY & TOY COMPANY, Long Island City, N. Y. Filed Apr. 9, 1938.

Sonia

For Dolls.
Claims use since Mar. 12, 1937.

Ser. No. 405,079. NORCROSS, New York, N. Y. Filed Apr. 9, 1938.

Bobby-Q

For Dolls.
Claims use since Mar. 18, 1938.

## CLASS 23

### Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 402,076. SECURITY ENGINEERING CO. INC., Whittier, Calif. Filed Jan. 18, 1938.

SECURALOY

For Oil and Gas Well Drilling, Cementing, and Production Equipment—Namely, Bull Plugs, Cement Baskets, Float Collars, Float Shoes, Packers, Casing Packers, Swabs, Cement Retainers, Bailers for Fishing, and Bailers for Cementing.
Claims use since Sept. 1, 1937.

Ser. No. 404,386. TYPHOON MANUFACTURING COMPANY, INC., Medford, Md. Filed Mar. 22, 1938.




For Superchargers for Internal Combustion Engines.
Claims use since Sept. 16, 1935.

## CLASS 26

### Measuring and Scientific Appliances

Ser. No. 396,208. "SOMECO" SOCIÉTÉ DES COMPTEURS DE GENÈVE, Geneva, Switzerland. Filed Aug. 9, 1937.

TELETAXE

No claim is made to the representation of the dial apart from the mark.
For Register for Use in Conjunction with an Individual Telephone for Recording the Taxes When Operating Said Telephone.
Claims use since Mar. 25, 1937.

Ser. No. 402,541. SOFT-LITE LENS COMPANY, INC., New York, N. Y. Filed Jan. 31, 1938.

S-L

For Ophthalmic Lenses.
Claims use since Dec. 18, 1928.

Ser. No. 404,323. PHOTO MARKETING CORPORATION, New York, N. Y. Filed Mar. 21, 1938.

MAGNO

For Enlargers, Projectors, and Viewers for Films and Photographs.
Claims use since Mar. 16, 1938.

Ser. No. 404,324. PHOTO UTILITIES, INC., New York, N. Y. Filed Mar. 21, 1938.

MINI

For Exposure Meters.
Claims use since Aug. 16, 1937.

## CLASS 28

### Jewelry and Precious-Metal Ware

Ser. No. 401,349. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass. Filed Dec. 29, 1937.

RENDEZVOUS

For Silverplated Flatware, Including Silverplated Cutlery.
Claims use since Dec. 6, 1937.

## CLASS 30

### Crockery, Earthenware, and Porcelain

Ser. No. 400,151. JOHN AYNSLEY & SONS LTD., Stoke-on-Trent, England. Filed Nov. 26, 1937. Under 10-year proviso.

AYNSLEY.

For China Tableware.
Claims use since 1775.

## CLASS 32

### Furniture and Upholstery

Ser. No. 403,654. KENLIT MFG. CO., Medford, Mass. Filed Mar. 3, 1938.

"Happy Babe"

No claim is made to the word "Happy" apart from the mark.
For Crib, Basket, and Bassinette Linings, Mattresses, and Cushions for Infants' Chairs.
Claims use since June 6, 1932.

Ser. No. 404,118. J. L. CHASE CO., Chicago, Ill. Filed Mar. 16, 1938.

"Charmchair"

For Upholstered Chairs.
Claims use since Dec. 17, 1937.

Ser. No. 404,119. J. L. CHASE CO., Chicago, Ill. Filed Mar. 16, 1938.

THE CHASE Charmchair

The words "The" and "Chase" and the illustration of a chair are disclaimed apart from the mark.
For Upholstered Chairs.
Claims use since Dec. 17, 1937.

Ser. No. 404,120. J. L. CHASE CO., Chicago, Ill. Filed Mar. 16, 1938.



The words "Chicago", "Illinois", and "America's" and the illustration of the chair are disclaimed apart from the mark.
For Upholstered Chairs.
Claims use since Dec. 17, 1937.



Ser. No. 404,717. S. KARPEN & SONS, Chicago, Ill. Filed Mar. 31, 1938.

Esquire

For Upholstered Furniture.
Claims use since Mar. 1, 1937.

Ser. No. 404,845. THE L. FISH FURNITURE COMPANY, Chicago, Ill. Filed Apr. 4, 1938.

"RESTMORE"

For Beds, Bed Springs, Studio Couches, Mattresses, and Pillows.
Claims use since 1916.

## CLASS 34

### Heating, Lighting, and Ventilating Apparatus

Ser. No. 399,200. PARKS-CRAMER COMPANY, Fitchburg, Mass. Filed Nov. 1, 1937.

PARKS TURBOMATIC

The word "Parks" is disclaimed apart from the mark.
For Self-Cleaning Atomizing Humidifiers.
Claims use since July 1, 1937.

Ser. No. 399,438. CANDY & COMPANY, INC., Chicago, Ill. Filed Nov. 8, 1937.

CANDI-LITE

Applicant disclaims any exclusive right to "Lite".
For Candle Burning Lamps and Fixtures—Namely, Sanctuary Lamps and Sentinel (Pre-Funeral) Lamps.
Claims use since Mar. 1, 1935.

Ser. No. 403,009. E. L. LEBARON FOUNDRY COMPANY, Brockton, Mass. Filed Feb. 14, 1938. Under 10-year proviso.

MURDOCK

For Cast Iron Fireplace Dampers.
Claims use since 1898.

## CLASS 35

### Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 404,816. PENNSYLVANIA RUBBER COMPANY, Jeannette, Pa. Filed Apr. 2, 1938.

SUPER CRAFT

For Pneumatic Vehicle Tires.
Claims use since Mar. 28, 1938.

## CLASS 37

### Paper and Stationery

Ser. No. 397,342. NATIONAL CELLULOSE CORPORATION, New York, N. Y. Filed Sept. 11, 1937.

CUSHIONED

For Paper Handkerchiefs.
Claims use since Nov. 1, 1933.

Ser. No. 399,317. NATION WIDE PAPERS, INC., Chicago, Ill. Filed Nov. 4, 1937.

PLATEN

For Writing Paper, Printing Paper, Bond Paper, and Envelopes.
Claims use since Sept. 9, 1935.

Ser. No. 399,831. KARL FORSTEN SIGURD EINAR ENGBLAD, doing business as Engblads Tapetfabrik, Goteborg, Sweden. Filed Nov. 17, 1937.

OTURA

For Table Covers Made of Paper, Shelving Covers Made of Paper, Shelf Edgings Made of Paper, Wallpaper, Table Runners Made of Paper, and Wrapping Paper.
Claims use since Nov. 9, 1937.

Ser. No. 402,363. CHECK SERVICE CORPORATION, New York, N. Y. Filed Jan. 27, 1938.



For Blanks for Negotiable and Non-Negotiable Instruments—Namely, Checks.
Claims use since July 1, 1936.

Ser. No. 402,859. GOLDSMITH BROS., New York, N. Y. Filed Feb. 9, 1938.

Bandrite

For Rubber Bands.
Claims use since Dec. 27, 1937.

Ser. No. 403,039. FOX RIVER PAPER COMPANY, Appleton, Wis. Filed Feb. 15, 1938.

PATTEN
Ⓟ TEXT Ⓟ

The words "Patten" and "Text" are disclaimed apart from the mark.
For Bond Paper.
Claims use since June 30, 1934.

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Ser. No. 403,061. FOX RIVER PAPER COMPANY, Appleton, Wis. Filed Feb. 16, 1938.

O ⊐M
PATTEN
TEN COPY
O ⊐M

The words "Patten Ten Copy" are disclaimed apart from the mark.
For Bond Paper.
Claims use since May 3, 1934.

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Ser. No. 403,090. NATION WIDE PAPERS, INC., Chicago, Ill. Filed Feb. 16, 1938.

SCHEDULE

For Manifold Paper.
Claims use since Jan. 1, 1938.

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Ser. No. 404,033. CORSON MANUFACTURING COMPANY, INCORPORATED, Lockport, N. Y. Filed Mar. 14, 1938.

BLOTTO COASTERS

The word "Coasters" is disclaimed except as shown.
For Blotter Tablets for Use Under Beverage Glasses.
Claims use since Jan. 26, 1938.

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## CLASS 38

### Prints and Publications

Ser. No. 401,266. MEREDITH PUBLISHING COMPANY, Des Moines, Iowa. Filed Dec. 27, 1937.

ALONG THE
Garden Path
WITH THE WEEK-END GARDENER

The words "Garden" and "Path" are disclaimed apart from the mark.
For Magazine Section.
Claims use since April, 1936.

Ser. No. 402,391. PAUL COTTON WILSON, Richmond, Va. Filed Jan. 27, 1938.

KRISS KROSS

For Directories.
Claims use since Jan. 20, 1930.

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Ser. No. 402,420. E. E. FAIRCHILD CORPORATION, Rochester, N. Y. Filed Jan. 28, 1938.

CALADS

For Calendar Cards.
Claims use since Dec. 30, 1937.

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Ser. No. 403,133. IDEAL PUBLISHING CORPORATION, New York, N. Y. Filed Feb. 17, 1938.

· MODERN ·
MOVIES

For Periodical.
Claims use since June 1, 1937.

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Ser. No. 403,156. MEREDITH PUBLISHING COMPANY, Des Moines, Iowa. Filed Feb. 17, 1938.




The word "Guaranteed" is disclaimed apart from the mark.
For Magazine Section.
Claims use since Jan. 20, 1938.

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Ser. No. 403,754. THE CINCINNATI OIL WORKS CO., Cincinnati, Ohio. Filed Mar. 7, 1938.

GAS-ETTE

No claim is made to the word "Gas" apart from the mark.
For Publications Devoted to the Gasoline and Oil Industry and Published from Time to Time.
Claims use since January, 1937.

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Ser. No. 404,116. BOSCO COMPANY, New York, N. Y. Filed Mar. 16, 1938.

RHYMING
MINSTREL

For Periodic Program Skits for Radio Stations Sold as a Publication in Interstate Commerce.
Claims use since Jan. 3, 1938.



## CLASS 39

### Clothing

Ser. No. 383,107. JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed Sept. 10, 1936.

PLAYGIRL

For Women's Hats.
Claims use since June 1, 1936.

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Ser. No. 398,118. E. R. MOORE COMPANY, Chicago, Ill. Filed Oct. 4, 1937.

CELERON

For Gymnasium Suits, Class Dancing Suits, Sport Bloomers, Ecclesiastical Garments, College Caps and Gowns, and Athletes' Shorts and Trunks.
Claims use since Dec. 1, 1936.

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Ser. No. 399,648. DOROTHY COUTEAUR, New York, N. Y. Filed Nov. 12, 1937.

Slip-a-Roo

For Ladies', Misses', and Children's Outer Garments—Namely, Dresses, Coats, Suits, Skirts, Blouses, Gowns, Sweaters, Bathing Suits, Beach Robes, Kimonos, Pajamas, Negligees; Lingerie—Namely, Bloomers, Panties, Chemises, Brassières, Step-Ins, Slips, and Shirts; Hats, Caps, Berets, Haloes; Shoes Made of Leather, Fabric, Rubber and Combinations Thereof; Stockings, Belts for Outer Wear, Neckties, Scarfs, Handkerchiefs.
Claims use since June 18, 1937.

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Ser. No. 400,647. THE JULIAN AND KOKENGE CO., Columbus, Ohio. Filed Dec. 9, 1937.




The words "Junior", "Shoe", and "Controls Normal Growth" are disclaimed apart from the mark.
For Children's and Growing Girls' Shoes Made of Leather and Fabric.
Claims use since Oct. 15, 1937.

Ser. No. 401,120. PRINCESS JUNIOR, INC., New York, N. Y. Filed Dec. 21, 1937.

Princess Junior
PRESENTS



JUNIOR CLASSICS

The words "Junior Classics" are disclaimed apart from the mark. The picture of a girl is fanciful.
For Junior-Misses', Misses', and Women's Dresses.
Claims use since Dec. 1, 1937.

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Ser. No. 401,401. ROSALIND UNDERWEAR CO., INC., New York, N. Y. Filed Dec. 30, 1937.

Shado-Way

The word "Way" is disclaimed except as shown.
For Women's Undergarments—Namely, Panties, Slips, and Girdles.
Claims use since September, 1934.

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Ser. No. 402,624. EASTERN ISLES IMPORTING CO., INC., New York, N. Y. Filed Feb. 3, 1938.




The mark consists of the name "Dolly Dimple" associated with the fanciful picture of a child.
For Children's Dresses, Nightgowns, and Pajamas.
Claims use since Sept. 20, 1937.

Ser. No. 402,978. KENIN-GORDON & ZIMMERMAN, INC., New York, N. Y. Filed Feb. 12, 1938.




The word "Floridian" is disclaimed apart from the mark.
For Neckties, Mufflers, and Leather and Fabric Belts for Outer Wear.
Claims use since January, 1937.

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Ser. No. 403,194. BOND SHOE CO., INC., New York, N. Y. Filed Feb. 19, 1938.

Social-Lite
By Bond

The term "By Bond" is disclaimed apart from the mark.
For Men's, Women's, and Children's Shoes of Leather, Fabric, and Combinations Thereof.
Claims use since Jan. 23, 1935.

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Ser. No. 403,310. SAMUEL FINKELSTEIN, New York, N. Y. Filed Feb. 23, 1938.

LAUNDERETTE

For Misses' and Children's Hats.
Claims use since July, 1937.

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Ser. No. 403,429. A. STEIN & COMPANY, Chicago, Ill. Filed Feb. 25, 1938.



PARIS

Applicant is owner of T. M. Reg. No. 75,265 (renewed), effected under the 10-year proviso, for the trade-mark "Paris" and T. M. Reg. Nos. 169,381, 176,206, 197,644, 211,273, and 310,964.
For Garters, Suspenders, Arm Bands, and Belts for Personal Wear.
Claims use since Aug. 1, 1924, on garters; since Mar. 2, 1922, on suspenders; since Oct. 28, 1921, on arm bands; and since Feb. 1, 1938, on belts for personal wear.

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Ser. No. 403,484. SAMUEL WEINSTAT, New York, N. Y. Filed Feb. 26, 1938.

MANNEQUIN MODELS by Weinstat

Applicant disclaims the words "Mannequin Models by Weinstat" apart from the mark.
For Ladies', Misses', and Children's Shoes Made of Leather, Fabric, and Combinations Thereof.
Claims use since July, 1937.

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Ser. No. 403,580. H. W. CARTER & SONS, Lebanon, N. H. Filed Mar. 2, 1938.

Snowool

For Woolen Work and Sport Clothing—Namely, Coats for Men, Women, and Children; Jackets, Pants, Snow Suits, and Ski Suits.
Claims use since Feb. 9, 1938.

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Ser. No. 403,688. JORDAN MARSH COMPANY, Boston, Mass. Filed Mar. 4, 1938.

Rondettes

For Women's Shoes of Leather, Fabric, and Combinations of These Materials.
Claims use since March, 1935.

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Ser. No. 403,689. JORDAN MARSH COMPANY, Boston, Mass. Filed Mar. 4, 1938.

The Ventaleer

For Shoes of Leather, Fabric, and Combinations of These Materials, With and Without Rubber Heels.
Claims use since April, 1935.



Ser. No. 403,711. JULIUS ALTSCHUL, INC., New York, N. Y. Filed Mar. 5, 1938.

PLYABLES

For Women's and Children's Shoes Made of Leather, Rubber, and Fabric, or Combinations Thereof.
Claims use since Dec. 1, 1937.

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Ser. No. 403,851. WILLIAM BARG, doing business as True Form Corset Company, Philadelphia, Pa. Filed Mar. 9, 1938.

FORMEZ

For Girdles, Brassières, and Bandeaux.
Claims use since Oct. 1, 1937.

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Ser. No. 403,942. FELDMAN-GWIRTZMAN, INC., New York, N. Y. Filed Mar. 11, 1938.




No claim is made to the words "Like Adam Like Eve" apart from the mark.
For Women's and Misses' Coats, Suits, and Dresses.
Claims use since November, 1937.

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Ser. No. 404,002. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Mar. 12, 1938.

PERMANIZED

For Hats for Men and Women.
Claims use since Mar. 2, 1938.

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Ser. No. 404,036. THE EASTERN ISLES IMPORTING CO., INC., New York, N. Y. Filed Mar. 14, 1938.

Smart Girl

The picture is fanciful.
For Ladies' and Children's Pajamas, Robes, Nightgowns, Negligees, Slips, and Slacks.
Claims use since Jan. 10, 1938.

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Ser. No. 404,043. GOLDBERG & VAN PRAAG, New York, N. Y. Filed Mar. 14, 1938.

Greeting

For Handkerchiefs.
Claims use since February, 1938.

Ser. No. 404,065. SUSQUEHANNA WAIST COMPANY, Philadelphia, Pa. Filed Mar. 14, 1938.

Lady Cavansheer

For Ladies' Blouses.
Claims use since Mar. 9, 1938.

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Ser. No. 404,283. JOHN PINAUD, Atlantic Highlands, N. J. Filed Mar. 19, 1938.

RECEDAL

For Rubber Heels.
Claims use since July, 1937.

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Ser. No. 404,304. GLOBE KNITTING WORKS, Grand Rapids, Mich. Filed Mar. 21, 1938.

Chamoglo

For Women's and Misses' Fabric Gloves.
Claims use since September, 1937.

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Ser. No. 404,307. GLOBE KNITTING WORKS, Grand Rapids, Mich. Filed Mar. 21, 1938.

Suave-Tex

For Women's and Misses' Fabric Gloves.
Claims use since February, 1937.

## CLASS 42

### Knitted, Netted, and Textile Fabrics

Ser. No. 386,781. THURSTON CUTTING CORPORATION, New York, N. Y. Filed Dec. 15, 1936.



For Piece Goods of Cotton, Cotton Mixture, Wool, and Rayon.
Claims use since Oct. 7, 1936.

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Ser. No. 390,261. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Mar. 19, 1937.

Lapinex

For Pile Fabrics in the Piece.
Claims use since Mar. 15, 1937.

Ser. No. 400,187. FRED BUTTERFIELD & CO., INC., New York, N. Y. Filed Nov. 27, 1937.

**San-Dura Swiss**

No claim is made to the word "Swiss" apart from the mark.
For Fabrics in the Piece of Wool, Cotton, Silk, Rayon, and/or Combinations Thereof.
Claims use since Aug. 19, 1936.

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Ser. No. 403,425. SEA BIRD LINENS, INC., New York, N. Y. Filed Feb. 25, 1938.



**SEABIRD**

For Table Cloths, Napkins, Luncheon Sets, Textile Bridge Sets, Towels, Textile Bath Goods, Sheets, and Cases.
Claims use since May 17, 1937.

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Ser. No. 403,790. S. STEIN & CO., New York, N. Y. Filed Mar. 7, 1938.

**Haylie Brae**

The word "Brae" is disclaimed apart from the mark.
For Woolen Goods in the Piece and in Cut Lengths.
Claims use since Jan. 10, 1938.

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Ser. No. 403,853. BRIDGEWATER WOOLEN COMPANY, Bridgewater, Vt., and New York, N. Y. Filed Mar. 9, 1938. Under 10-year proviso.

**Mac Kenzie Tweeds**

For Woolen Fabrics in the Piece.
Claims use since 1880.

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Ser. No. 404,078. DECORATIVE FABRICS COMPANY, Pawtucket, R. I. Filed Mar. 15, 1938.

**CHAMOISFLOX**

For Piece Goods of Cotton, Silk, Wool, and Rayon.
Claims use since Feb. 12, 1938.

Ser. No. 404,163. CROMPTON COMPANY, West Warwick, R. I. Filed Mar. 17, 1938.

**Scotty**

For Corduroy Fabrics in the Piece Made of Cotton.
Claims use since Feb. 9, 1938.

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Ser. No. 404,351. CABLE RAINCOAT COMPANY, Boston, Mass. Filed Mar. 22, 1938.




For Textile Piece Goods.
Claims use since Feb. 8, 1938.

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Ser. No. 404,522. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y. Filed Mar. 26, 1938.

**Masterpiece**

For Piece Goods in the Nature of a Woven Material Similar to Net, Used for Needlework.
Claims use since Dec. 17, 1937.

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Ser. No. 404,723. PHOENIX TRIMMING COMPANY, Chicago, Ill. Filed Mar. 31, 1938.

**DETAX**

For Curtains, Drapes, Trimmings, Portieres, and Fringe.
Claims use since Feb. 15, 1938.

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CLASS 43

**Thread and Yarn**

Ser. No. 404,109. BELDING HEMINWAY COMPANY, New York, N. Y. Filed Mar. 16, 1938.

**Belcora**

For Silk, Artificial Silk and Rayon Thread.
Claims use since Aug. 15, 1937.

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CLASS 45

**Beverages, Nonalcoholic**

Ser. No. 403,340. VA. LEN. JU, INC., Chicago, Ill. Filed Feb. 23, 1938.




The portrait is fanciful.
For Grange Base Concentrate for Making Non-Alcoholic Beverages.
Claims use since Feb. 10, 1938.



Ser. No. 404,458. BENJ. F. TAYLOR, doing business as Taylor Beverage Company, Tarboro, N. C. Filed Mar. 24, 1938.

**TAXI**

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Mar. 14, 1938.

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CLASS 46

**Foods and Ingredients of Foods**

Ser. No. 360,430. BROOMM'S, INCORPORATED, Seattle, Wash. Filed Jan. 19, 1935.

**Broome's Aristocratic**




For Chicken Noodles, Sauce—Namely, a Blend of Tomato and Sweet Pickle Relish, to Which is Added a Number of Spices Including Pepper, Mace, Thyme, Worcestershire Sauce, and Chili Sauce, and Chili.
Claims use since May 1, 1934.

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Ser. No. 390,361. E. K. FRISBIE, La Jolla, Calif. Filed Mar. 22, 1937.

**Trailer Town**

For Canned and Preserved Foods, Specifically Lemon Jelly.
Claims use since Mar. 4, 1937.

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Ser. No. 392,859. JACOB FORST PACKING CO. INC., Kingston, N. Y. Filed May 17, 1937.

**Mansion Brand**

The word "Brand" is disclaimed apart from the mark.
For Beef, Bacon, Bologna, Frankfurters, and Meat Loaves Consisting of a Mixture of Beef and Pork.
Claims use since Jan. 1, 1937.

Ser. No. 394,030. WILLIAM FAEHNDRICH, INC., New York, N. Y. Filed June 14, 1937.




The words "Roquefort Cheese" are disclaimed apart from the mark. The picture is fanciful.
For Cheese.
Claims use since February, 1937.

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Ser. No. 398,129. RIVERBANK CANNING COMPANY, Riverbank, Calif. Filed Oct. 4, 1937.

**MADONNA**

Applicant is the owner of trade-mark registrations 186,786, dated July 22, 1924; 327,100, dated Aug. 13, 1935; 342,537, dated Jan. 19, 1937.
For Prepared Food Products—Namely, Macaroni, Cooked Spaghetti, Spaghetti Sauce, and Cotton Seed Oil for Food Purposes.
Claims use since April, 1937.

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Ser. No. 398,651. SIGRID BREITHOLTZ, New York, N. Y. Filed Oct. 16, 1937.

**Sigrids**

"Never Curdles"

No claim is made to the words "Never Curdles" apart from the mark.
For Hollandaise Sauce.
Claims use since Mar. 1, 1934.

Ser. No. 398,903. HUNT BROTHERS PACKING CO., San Francisco, Calif. Filed Oct. 25, 1937.

MIXED

FRUIT CHIPLETS

No claim is made to the words "Mixed Fruit" apart from the mark.
For Canned Fruits.
Claims use since Oct. 15, 1937.

Ser. No. 401,312. JOE LOWE CORPORATION, New York, N. Y. Filed Dec. 28, 1937.

POPNICKEL

For Frosen Confections.
Claims use since Nov. 22, 1937.

Ser. No. 401,886. THE BORDEN COMPANY, New York, N. Y. Filed Jan. 14, 1938.

LAKESHIRE

For Food Product Made of Cheese and Edible Vegetable Oil for Use as an Ingredient in Making a Cheese Flavored Food Product for Coating Popcorn and Other Foods.
Claims use since Nov. 20, 1937.

Ser. No. 402,149. WISCONSIN ACCREDITED CHEESE FACTORIES, INC., De Pere, Wis. Filed Jan. 20, 1938.

WISCONSIN ACCREDITED CHEESE FACTORIES, INC. PRODUCT

The word "Product" is disclaimed apart from the mark.
For Cheese.
Claims use since November, 1937.

Ser. No. 403,341. VITAMOL, INC., New York, N. Y. Filed Feb. 23, 1938.

VITAMOL

For Composition Incorporating Molasses and Vitamins for Use as an Animal Food and Supplement in Animal Food Mixtures.
Claims use since Feb. 3, 1938.

Ser. No. 403,342. VITAMOL, INC., New York, N. Y. Filed Feb. 23, 1938.

MOLADS

For Composition Incorporating Molasses and Vitamins for Use as an Animal Food and Supplement in Animal Food Mixtures.
Claims use since Feb. 3, 1938.

Ser. No. 403,804. THE VINNEDGE COMPANY, INC., Fort Worth, Tex. Filed Mar. 7, 1938.

T -- P

For Coffee.
Claims use since Jan. 1, 1931.

Ser. No. 403,939. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Filed Mar. 11, 1938.

GLOBE

For Stock Feed—Namely, Rabbit Feed, Horse Feed, Calf Feed, Dairy Balancer, Pig Feed, Cattle Feed, Goat Feed, and Poultry Feed—Namely, Turkey and Chicken Feed.
Claims use since Oct. 1, 1890.

Ser. No. 404,247. COMMANDER-LARABEE MILLING COMPANY, doing business as Minneapolis Milling Company, Minneapolis, Minn. Filed Mar. 19, 1938.

P. W. G.

For Wheat Germ.
Claims use since Apr. 19, 1933.



## CLASS 47

### Wines

Ser. No. 402,103. SAN GABRIEL VINEYARD COMPANY, San Gabriel, Calif. Filed Jan. 19, 1938.




No claim is made to the words apart from the mark and no claim is made to the representation of a bottle.
For Wines.
Claims use since November, 1934.

Ser. No. 403,718. COMEX TRADING COMPANY, INC., New York, N. Y. Filed Mar. 5, 1938.

CELEBRATION

For Wines.
Claims use since Jan. 2, 1937.

Ser. No. 403,898. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y. Filed Mar. 10, 1938.

VINHEART

For Sherry, Port, Muscatel, Tokay, Claret, Burgundy, Riesling, and Sauternes.
Claims use since Nov. 4, 1937.

## CLASS 48

### Malt Beverages and Liquors

Ser. No. 362,115. HONOLULU SAKE BREWERY & ICE COMPANY, LIMITED, Honolulu, Hawaii. Filed Mar. 4, 1935.

TAKARA MASAMUNE

The words "Takara" and "Masamune" are the phonetic equivalent of a Japanese word meaning "Treasure" and the name of a famous Japanese knight who forged swords in former times, respectively.
For Malt Beverage—Namely, Sake.
Claims use since Dec. 1, 1934.

## CLASS 49

### Distilled Alcoholic Liquors

Ser. No. 403,350. PLATTEN BROTHERS, Green Bay, Wis. Filed Feb. 23, 1938.

WATERWHEEL

For Whiskey.
Claims use since July 11, 1936.

Ser. No. 403,980. BARDSTOWN DISTILLERY, INC., Bourbon Springs, Bardstown, Ky. Filed Mar. 12, 1938.

KENTUCKY ANTHEM

The word "Kentucky" is disclaimed apart from the mark.
For Whisky.
Claims use since Mar. 2, 1938.

Ser. No. 404,601. COATES & CO. (PLYMOUTH) LIMITED, Plymouth, England. Filed Mar. 29, 1938. Under 10-year proviso.




For Gin.
Claims use since 1882.

## CLASS 50

### Merchandise Not Otherwise Classified

Ser. No. 400,739. SHELDON H. WALDRON, doing business as The Imperishable Art Company, Taunton, Mass. Filed Dec. 11, 1937.




No claim is made to "The Imperishable Art Company" apart from the mark.
For Pictures and Portraits on Metal.
Claims use since Jan. 15, 1937.



Ser. No. 402,677. WINFIELD E. CLINE, doing business

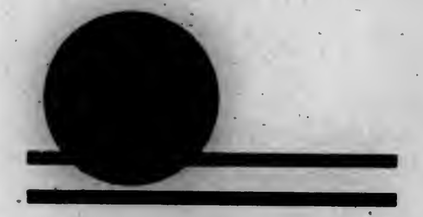
Ser. No. 403,292. ABUMINUM SEAL COMPANY, Arnold,

Ser. No. 402,677. WINFIELD E. CLINE, doing business as Cline Advertising Service, Boise, Idaho. Filed Feb. 4, 1938.



For Printing Mats, Electrotypes, Stereotypes, and Photoengravings.
Claims use since March, 1936.

Ser. No. 403,292. ABUMINUM SEAL COMPANY, Arnold, Pa. Filed Feb. 23, 1938.



For Caps and Closure Seals for Bottles, Receptacles, and Other Containers.
Claims use since May 1, 1937.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 17, 1938

356,866. DOLLS. EUGENE GOLDBERGER, Brooklyn, N. Y.
Filed April 24, 1935. Serial No. 364,133. PUBLISHED JUNE 4, 1935. Class 22.

356,867. BRANDY. JULIUS WILE SONS & Co., INC., New York, N. Y.
Filed October 4, 1935. Serial No. 370,028. PUBLISHED NOVEMBER 12, 1935. Class 49.

356,868. RHEOSTATS. CHARLES SCHOENECKE, Chicago, Ill.
Filed November 7, 1935. Serial No. 371,319. PUBLISHED MARCH 8, 1938. Class 21.

356,869. ROUGH OR UNFINISHED CASTINGS OF ALUMINUM OR ITS ALLOYS. ADVANCE ALUMINUM CASTINGS CORP., Chicago, Ill.
Filed May 25, 1936. Serial No. 378,815. PUBLISHED MARCH 1, 1938. Class 14.

356,870. WHEAT FLOUR FOR MAKING BREAD. PACKARD MILLING COMPANY, Custer, Okla.
Filed July 22, 1936. Serial No. 381,323. PUBLISHED FEBRUARY 8, 1938. Class 46.

356,871. UNPREPARED MALT AND PARTLY PREPARED MALT, CARAMEL MALT AND COLOR MALT, ESPECIALLY FOR BREWERIES FOR USE IN THE PRODUCTION OF ALL KINDS OF BEER. EXPORT MALT FACTORIES SCHINDLER & STEIN, LTD., Brunn, Czechoslovakia.
Filed October 22, 1936. Serial No. 384,653. PUBLISHED MARCH 8, 1938. Class 48.

356,872. BEER. YOUGH BREWING CO., Connellsville, Pa.
Filed November 5, 1936. Serial No. 385,207. PUBLISHED MARCH 8, 1938. Class 48.

356,873. LACQUER. MARBON CORPORATION, Chicago, Ill.
Filed November 21, 1936. Serial No. 385,853. PUBLISHED MARCH 8, 1938. Class 16.

356,874. NONALCOHOLIC CONCENTRATED FRUIT JUICES IN SWEETENED SYRUP FORM FOR BEVERAGE PURPOSES. L. ROSS & CO., LTD., Bloomfield, N. J.
Filed December 11, 1936. Serial No. 386,662. PUBLISHED MARCH 8, 1938. Class 45.

356,875. SOAP POWDERS. JOE PERRYMAN, Columbia, Ky.
Filed January 5, 1937. Serial No. 387,474. PUBLISHED MARCH 8, 1938. Class 4.

356,876. BOARD GAME PLAYED WITH MOVABLE PIECES. KARL SMITH, Louisville, Ky.
Filed January 6, 1937. Serial No. 387,518. PUBLISHED MARCH 8, 1938. Class 22.

356,877. GAMES OF CHANCE PLAYED WITH CONCEALED NUMBERS, ETC. WERTS NOVELTY COMPANY, INCORPORATED, Muncie, Ind.
Filed January 14, 1937. Serial No. 387,807. PUBLISHED MARCH 8, 1938. Class 22.

356,878. BOURBON WHISKEY. A. LYON, Los Angeles, Calif.
Filed March 5, 1937. Serial No. 389,689. PUBLISHED NOVEMBER 16, 1937. Class 49.

356,879. SEED OATS, A VARIETY OF FIELD SEEDS. LUCIUS P. COOK, doing business as L. P. Cook, Memphis, Tenn.
Filed March 19, 1937. Serial No. 390,265. PUBLISHED JUNE 8, 1937. Class 1.

356,880. BUTTER. LANDBRUGSMINISTERIET, Copenhagen, Denmark.
Filed March 22, 1937. Serial No. 390,373. PUBLISHED MARCH 8, 1938. Class 46.

356,881. GAGING AND MEASURING DEVICES—NAMELY, THREAD GAGES, SNAP GAGES, PLUG AND RING GAGES, ETC. THE SHEFFIELD GAGE CORPORATION, Dayton, Ohio.
Filed March 29, 1937. Serial No. 390,675. PUBLISHED DECEMBER 14, 1937. Class 26.

356,882. TROPICAL OR SUMMER WEIGHT TEXTILE FABRIC PIECE GOODS MADE OF WOOL, COTTON, RAYON, SILK, OR MIXTURES THEREOF. HAFT AND COMPANY, LTD., New York, N. Y.
Filed May 10, 1937. Serial No. 392,533. PUBLISHED MARCH 8, 1938. Class 42.

356,883. TEA, COFFEE, COCOA, SUGAR, CHOCOLATES, TOFFEES, FUDGES, AND BOILED CANDIES, PEPPER AND SALT. MAX HÄSSLER, Buenos Aires, Argentina.
Filed May 10, 1937. Serial No. 392,534. PUBLISHED MARCH 8, 1938. Class 46.

356,884. MEMORANDUM BOOKS. ERNO HODOSSY, doing business as Spell-O-Graph Co., New York, N. Y.
Filed May 13, 1937. Serial No. 392,691. PUBLISHED MARCH 8, 1938. Class 37.

356,885. NON-ALCOHOLIC FLAVORING EXTRACT MIXERS USED IN THE MANUFACTURE OF CARBONATED BEVERAGES, NOT INCLUDING COFFEE SYRUP FOR FLAVORING SOFT DRINKS. H. KOHNSTAMM & CO. INC., New York, N. Y.
Filed June 5, 1937. Serial No. 393,715. PUBLISHED OCTOBER 5, 1937. Class 45.

356,886. LUSTROUS TRANSPARENT COATING SUCH AS A LACQUER, VARNISH, OR IN THE NATURE OF THE SAME ADAPTED FOR USE ON FLOORS, LINOLEUM, METAL OR WOOD FURNITURE, PAINTED OR LACQUERED SURFACES, AUTOMOBILES, AND AS A PROTECTIVE COATING FOR TILE, MARBLE, BRASS, AND BRONZE. LIQUID VENEER CORPORATION, Buffalo, N. Y.
Filed June 18, 1937. Serial No. 394,236. PUBLISHED MARCH 8, 1938. Class 16.

356,887. SPRING STEEL BINDER CLIPS, NOT INCLUDING OTHER MEANS FOR BINDING, FILING, OR HOUSING PAPERS THAT MAY BE TERMED "OFFICE EQUIPMENT." LOUIS E. BALTZLEY, Glen Ridge, N. J.
Filed July 1, 1937. Serial No. 394,771. PUBLISHED OCTOBER 5, 1937. Class 37.

356,888. CABLE, PARTICULARLY OF THE TYPE USED IN CONNECTION WITH AIRCRAFT. MACWHITE COMPANY, Kenosha, Wis.
Filed July 6, 1937. Serial No. 394,904. PUBLISHED MARCH 8, 1938. Class 7.

356,889. TOYS CONSISTING OF A PADDLE SHAPED HOLDER HAVING AN APERTURE IN ITS CENTER AND PROVIDED WITH A BALL SUSPENDED BY AN ELASTIC BAND. EMANUEL P. WEISNER, Milwaukee, Wis.
Filed July 15, 1937. Serial No. 395,250. PUBLISHED MARCH 8, 1938. Class 22.

356,890. GOLF BALLS. FRANK H. CAVIGNAC, Glendale, N. Y.
Filed July 21, 1937. Serial No. 395,471. PUBLISHED SEPTEMBER 7, 1937. Class 22.

356,891. FROZEN MALTED MILK AND A CANNED PREPARATION FOR MAKING FROZEN MALTED MILK. ROBERT BRUCE GARNETT, also doing business as Garnett Frostamalt Company, San Angelo, Tex.
Filed July 23, 1937. Serial No. 395,574. PUBLISHED MARCH 8, 1938. Class 46.





356,892. PHOTOELECTRIC CELL OPERATED CONTROL DEVICES, INCLUDING THE LIGHT RE-

356,905. BEARING METAL. THE EAGLE-PICHER LEAD COMPANY, Cincinnati, Ohio.



356,920. COMPOSITION FLOOR COVERINGS OF THE LINOLEUM TYPE—NAMELY, RUGS, MATS, AND

356,934. BRANDY. ADET SEWARD SOCIÉTÉ ANONYME, Bordeaux and Cognac, France.
Filed December 24, 1937. Serial No. 401,203. PUB-

356,892. PHOTOELECTRIC CELL OPERATED CONTROL DEVICES, INCLUDING THE LIGHT RELAYS, LIGHT SOURCES, LIGHT PROJECTORS, LIGHT RECEIVERS, HOUSINGS, AND AMPLIFIERS THEREOF. ELECTRONIC CONTROL CORPORATION, Detroit, Mich.
Filed July 28, 1937. Serial No. 395,703. PUBLISHED MARCH 8, 1938. Class 21.

356,893. LIQUID COMPOUND FOR CLEANING OPHTHALMIC LENSES AND OTHER GLASS SURFACES. DOB-ENE COMPANY, doing business as Dobene Sales Co., New York, N. Y.
Filed August 14, 1937. Serial No. 396,389. PUBLISHED MARCH 8, 1938. Class 4.

356,894. FRESH CITRUS FRUITS. SCOTT-BORDEN, INC., Anaheim, Calif.
Filed August 17, 1937. Serial No. 396,518. PUBLISHED FEBRUARY 15, 1938. Class 46.

356,895. COFFEE SYRUP FOR FLAVORING SOFT DRINKS. COFFEE PRODUCTS CORPORATION, New York, N. Y.
Filed August 31, 1937. Serial No. 396,954. PUBLISHED NOVEMBER 9, 1937. Class 45.

356,896. LIQUID SOLVENT USED IN DRY CLEANING. THE BARRETT COMPANY, New York, N. Y.
Filed September 7, 1937. Serial No. 397,171. PUBLISHED MARCH 8, 1938. Class 4.

356,897. AUXILIARY LUBRICANTS AND ADDITION AGENTS TO LUBRICATING OILS. JOEL B. CLARK, Buffalo, N. Y.
Filed September 9, 1937. Serial No. 397,245. PUBLISHED NOVEMBER 9, 1937. Class 15.

356,898. NECKWEAR TIE LININGS IN THE PIECE, CONSTRUCTED OF COTTON, WOOLEN, MOHAIR, RAYON, OR OTHER KINDRED MATERIALS, OR A COMBINATION OF EITHER, OR ALL. M. J. MACK CORP., New York, N. Y.
Filed September 9, 1937. Serial No. 397,255. PUBLISHED MARCH 8, 1938. Class 42.

356,899. CENTRIFUGAL CREAM SEPARATORS, CENTRIFUGAL WHEY SEPARATORS, CENTRIFUGAL CLARIFIERS, AND INDUSTRIAL CENTRIFUGAL SEPARATORS. THE DE LAVAL SEPARATOR COMPANY, New York, N. Y.
Filed September 30, 1937. Serial No. 397,963. PUBLISHED MARCH 8, 1938. Class 23.

356,900. ELECTRICAL SOUND EQUIPMENT—NAMELY, AMPLIFIERS, MICROPHONES, SPEAKERS, AND RECORD REPRODUCING SYSTEMS. HERMAN H. LIPMAN, doing business as Lipman Engineering Company, Pittsburgh, Pa.
Filed October 6, 1937. Serial No. 398,207. PUBLISHED MARCH 8, 1938. Class 21.

356,901. BOARD GAME ON WHICH MOVABLE PLAYING PIECES ARE EMPLOYED. WILLIAM I. BARTON, Camden, N. J.
Filed October 19, 1937. Serial No. 398,656. PUBLISHED MARCH 8, 1938. Class 22.

356,902. OIL WELL TOOLS—NAMELY, FLOW VALVES, PACKERS, FLOW BEANS, STANDING VALVES, INSERT PUMPS, ANCHORS, SWABS, SUCKER ROD GUIDES, AND THE LIKE. MERLA TOOL COMPANY, Dallas, Tex.
Filed October 25, 1937. Serial No. 398,915. PUBLISHED MARCH 8, 1938. Class 23.

356,903. KITCHEN SETS—NAMELY, FLOUR, SUGAR, COFFEE, AND TEA CANISTERS, BREAD AND CAKE BOXES, FLOUR BINS, ETC. NATIONAL ENAMELING AND STAMPING COMPANY, Milwaukee, Wis.
Filed October 30, 1937. Serial No. 399,150. PUBLISHED MARCH 8, 1938. Class 2.

356,904. ARTIFICIAL TEETH. THE COLUMBUS DENTAL MANUFACTURING CO., Columbus, Ohio.
Filed November 1, 1937. Serial No. 399,165. PUBLISHED MARCH 8, 1938. Class 44.

356,905. BEARING METAL. THE EAGLE-PICHER LEAD COMPANY, Cincinnati, Ohio.
Filed November 1, 1937. Serial No. 399,178. PUBLISHED MARCH 8, 1938. Class 14.

356,906. OIL BURNERS, OIL BURNING FURNACES, BOILER UNITS, AIR CONDITIONING UNITS, ROOM COOLERS, FANS TO PROVIDE CIRCULATION OF AIR IN CONNECTION WITH HEATING AND/OR AIR CONDITIONING, BLOWERS, AND WATER HEATERS. AUTOCRAT OIL BURNER CORPORATION, Cedar Rapids, Iowa.
Filed November 4, 1937. Serial No. 399,338. PUBLISHED JANUARY 25, 1938. Class 34.

356,907. GASOLINE. JOHNSON OIL REFINING COMPANY, Chicago, Ill.
Filed November 17, 1937. Serial No. 399,837. PUBLISHED FEBRUARY 22, 1938. Class 15.

356,908. CRIB SHEETS, CRIB PILLOW CASES, AND CRIB BLANKETS. MCCRORY STORES CORPORATION, New York, N. Y.
Filed November 17, 1937. Serial No. 399,846. PUBLISHED MARCH 8, 1938. Class 42.

356,909. WEIGHTED PIECE GOODS CONSISTING OF TRICOT AND MILANESE SILKS AND PIECE GOODS CONSISTING OF TRICOT AND MILANESE FABRICS DYED PURE DYE MADE OF ALL-SILK OR COMBINATION YARNS. TRIANGLE FINISHING CORP., Johnstown, N. Y.
Filed November 18, 1937. Serial No. 399,986. PUBLISHED MARCH 8, 1938. Class 42.

356,910. WHISKY. JAMES BROWN FERGUSON, London, England.
Filed November 22, 1937. Serial No. 400,002. PUBLISHED MARCH 8, 1938. Class 49.

356,911. BEER AND ALE. NEWSOM, PALMER & COMPANY, New York, N. Y., assignor to Tea Bureau Incorporated, a coporation of New York.
Filed November 27, 1937. Serial No. 400,202. PUBLISHED FEBRUARY 15, 1938. Class 48.

356,912. RYE FLOUR. AMERICAN BREDDO CORPORATION, New York, N. Y.
Filed December 1, 1937. Serial No. 400,328. PUBLISHED MARCH 8, 1938. Class 46.

356,913. APPLE JUICE SOLD AS A BEVERAGE. EMIL K. MALMQUIST, South Bellingham, Wash.
Filed December 2, 1937. Serial No. 400,382. PUBLISHED MARCH 8, 1938. Class 45.

356,914. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed December 3, 1937. Serial No. 400,408. PUBLISHED MARCH 8, 1938. Class 42.

356,915. REVOLVING ROASTING MECHANISMS OR REVOLVING SPITS OF A PORTABLE OR SEMI-PORTABLE NATURE. HARLAN I. PEYTON, Spokane, Wash.
Filed December 3, 1937. Serial No. 400,436. PUBLISHED MARCH 8, 1938. Class 23.

356,916. FROCKS FOR WOMEN, MISSES, AND CHILDREN. BARMON BROTHERS COMPANY INC., Buffalo, N. Y.
Filed December 4, 1937. Serial No. 400,450. PUBLISHED FEBRUARY 8, 1938. Class 39.

356,917. DOG RATIONS. EUGENE R. SCHOOLEY, doing business as Schooley and Son, Luserne, Pa.
Filed December 4, 1937. Serial No. 400,472. PUBLISHED FEBRUARY 15, 1938. Class 46.

356,918. WOMEN'S AND MISSES' DRESSES, BLOUSES, CULOTTES, LOUNGING PAJAMAS, OUTER ROBES, SLACKS, SKIRTS, AND PLAY SUITS. DAVID MINCHENBERG, New York, N. Y.
Filed December 6, 1937. Serial No. 400,518. PUBLISHED FEBRUARY 15, 1938. Class 39.

356,919. SOLE LEATHER. BANKS & BREZEL, New York, N. Y.
Filed December 11, 1937. Serial No. 400,718. PUBLISHED MARCH 8, 1938. Class 1.



356,920. COMPOSITION FLOOR COVERINGS OF THE LINOLEUM TYPE—NAMELY, RUGS, MATS, AND YARD GOODS BY THE ROLL. PAULSBORO MANUFACTURING COMPANY, Paulsboro, N. J.
Filed December 10, 1937. Serial No. 400,820. PUBLISHED MARCH 8, 1938. Class 20.

356,921. PIECE-GOODS OF SATIN, SILK, ARTIFICIAL SILK, MIXTURES OF SILK AND ARTIFICIAL SILK, SILK AND WOOL, AND SILK AND COTTON. CAVENDISH TRADING CORPORATION, New York, N. Y.
Filed December 14, 1937. Serial No. 400,830. PUBLISHED MARCH 8, 1938. Class 42.

356,922. FRESH FRUIT JUICE CONCENTRATES SOLD AS A SYRUP. THOMAS A. DAVIS, doing business as Fresh Orange Juice Company, Dallas, Tex.
Filed December 17, 1937. Serial No. 400,949. PUBLISHED MARCH 8, 1938. Class 45.

356,923. PANCAKE SYRUP, MOLASSES, AND FRUIT SYRUPS FOR FOOD PURPOSES. NATURAL SUGARS, INC., New York, N. Y.
Filed December 17, 1937. Serial No. 400,990. PUBLISHED FEBRUARY 8, 1938. Class 46.

356,924. WHISKEY. OWINGS MILLS DISTILLERY, INC., Owings Mills, Md., assignor to I. Ginsberg, Inc., Charleston, S. C., a corporation of South Carolina.
Filed December 17, 1937. Serial No. 400,994. PUBLISHED FEBRUARY 8, 1938. Class 49.

356,925. MARINE FENDERS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed December 17, 1937. Serial No. 401,000. PUBLISHED MARCH 8, 1938. Class 19.

356,926. LUBRICATING OILS AND LUBRICATING GREASES. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed December 17, 1937. Serial No. 401,001. PUBLISHED MARCH 1, 1938. Class 15.

356,927. POLISH FOR FURNITURE AND AUTOMOBILES. THE KACTUS OIL PRODUCTS COMPANY, Denver, Colo.
Filed December 18, 1937. Serial No. 401,025. PUBLISHED MARCH 8, 1938. Class 16.

356,928. CARPETS, RUGS, AND UPHOLSTERY PIECE GOODS COMPRISED OF COTTON, WOOL, SILK RAYON, AND/OR COMBINATIONS THEREOF. INTERNATIONAL LOOMS, INC., New York, N. Y.
Filed December 20, 1937. Serial No. 401,059. PUBLISHED MARCH 8, 1938. Class 42.

356,929. CARPETS, RUGS, AND UPHOLSTERY PIECE GOODS COMPRISED OF COTTON, WOOL, SILK RAYON, AND/OR COMBINATIONS THEREOF. INTERNATIONAL LOOMS, INC., New York, N. Y.
Filed December 20, 1937. Serial No. 401,061. PUBLISHED MARCH 8, 1938. Class 42.

356,930. WOMEN'S, MISSES', AND JUNIORS' DRESSES. GREENBRIER FROCKS INC., New York, N. Y.
Filed December 22, 1937. Serial No. 401,144. PUBLISHED FEBRUARY 22, 1938. Class 39.

356,931. ROOT BEER. KRUDGER BEVERAGE COMPANY, Newark, N. J.
Filed December 22, 1937. Serial No. 401,157. PUBLISHED MARCH 8, 1938. Class 45.

356,932. DOMESTIC OIL BURNERS AND AIR CONDITIONING UNITS. ELECTROL INCORPORATED, Clifton, N. J.
Filed December 23, 1937. Serial No. 401,181. PUBLISHED MARCH 8, 1938. Class 34.

356,933. PIECE GOODS OF WOOLEN, WORSTED, WOVEN, BRUSHED COTTON, KNITTED RAYON, LINEN, AND FABRICS MADE OF A COMBINATION OF SUCH MATERIALS. WARREN FABRICS CO., INC., New York, N. Y.
Filed December 23, 1937. Serial No. 401,202. PUBLISHED MARCH 8, 1938. Class 42.

356,934. BRANDY. ADET SEWARD SOCIÉTÉ ANONYME, Bordeaux and Cognac, France.
Filed December 24, 1937. Serial No. 401,203. PUBLISHED MARCH 8, 1938. Class 49.

356,935. GROSGRAIN FABRICS IN THE PIECE MADE OF SILK, RAYON, COTTON, AND MIXTURES THEREOF. HOLMES SILK COMPANY, New York, N. Y.
Filed December 24, 1937. Serial No. 401,217. PUBLISHED MARCH 8, 1938. Class 42.

356,936. CHEESE. S. A. EGIDIO GALBANI, Melzo, Italy.
Filed December 27, 1937. Serial No. 401,251. PUBLISHED MARCH 8, 1938. Class 46.

356,937. CHEESE. S. A. EGIDIO GALBANI, Melzo, Italy.
Filed December 27, 1937. Serial No. 401,253. PUBLISHED MARCH 8, 1938. Class 46.

356,938. ANTI-STATIC GASOLINE DISPENSING NOZZLES MADE FROM SYNTHETIC RUBBER. THE GATES RUBBER COMPANY, Denver, Colo.
Filed December 27, 1937. Serial No. 401,256. PUBLISHED MARCH 8, 1938. Class 13.

356,939. WHISKEY. FOUST DISTILLING CO., INC., Glen Rock, Pa.
Filed December 28, 1937. Serial No. 401,301. PUBLISHED MARCH 8, 1938. Class 49.

356,940. ALE. STERLING BREWERS, INC., Evansville, Ind.
Filed December 31, 1937. Serial No. 401,455. PUBLISHED MARCH 8, 1938. Class 48.

356,941. LAUNDRY ROLL COVERS. ATLAS POWDER COMPANY, Wilmington, Del.
Filed January 4, 1938. Serial No. 401,521. PUBLISHED MARCH 8, 1938. Class 24.

356,942. APPARATUS FOR ANALYZING GASES. EIMER & AMEND, New York, N. Y.
Filed January 5, 1938. Serial No. 401,559. PUBLISHED MARCH 8, 1938. Class 26.

356,943. POCKET KNIVES, HUNTING KNIVES, AND FISHING KNIVES. CAMILLUS CUTLERY COMPANY, INC., New York, N. Y.
Filed January 6, 1938. Serial No. 401,600. PUBLISHED MARCH 8, 1938. Class 23.

356,944. LUBRICATING OILS AND LUBRICATING GREASES. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed January 6, 1938. Serial No. 401,622. PUBLISHED MARCH 1, 1938. Class 15.

356,945. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK, AND SIRUP AND EXTRACT FOR MAKING THE SAME. SYN-FLO CONCENTRATE & SYRUP COMPANY, Clinton, Ind.
Filed January 6, 1938. Serial No. 401,624. PUBLISHED MARCH 8, 1938. Class 45.

356,946. RICE. C. E. GROSJEAN RICE MILLING CO., San Francisco, Calif.
Filed January 5, 1938. Serial No. 401,640. PUBLISHED MARCH 8, 1938. Class 46.

356,947. PAPER DRINKING CUPS. CARPENTER PAPER CO., Omaha, Nebr., assignor to Carpenter Paper Company, Omaha, Nebr., a corporation of Delaware
Filed January 7, 1938. Serial No. 401,649. PUBLISHED MARCH 8, 1938. Class 2.

356,948. PAPER NAPKINS. THE DIAMOND MATCH COMPANY, New York, N. Y.
Filed January 7, 1938. Serial No. 401,667. PUBLISHED MARCH 8, 1938. Class 37.

356,949. MAGNETIC COIL MATERIAL FOR ELECTRIC COILS FOR USE IN THE ELECTRICAL ARTS. AUTOMATIC ELECTRIC COMPANY, Chicago, Ill.
Filed January 10, 1938. Serial No. 401,723. PUBLISHED MARCH 8, 1938. Class 21.





356,950. LOW METALLOID IRON MANGANESE COP-

356,939. BRANDY. ARDOUIN MARETT & CO., S. A., Co-



356,972. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) ELECTRIC HOUSEHOLD UTILITIES COR-

356,977. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE AMERICAN HAIR DESIGN INSTITUTE, INC., New York, N. Y. Filed May 11, 1937.

356,950. LOW METALLOID IRON MANGANESE COPPER ALLOY. KEYSTONE STEEL & WIRE COMPANY, Peoria, Ill.
Filed January 10, 1938. Serial No. 401,743. PUBLISHED MARCH 8, 1938. Class 14.

356,951. MUFFLERS FOR PIANOS, ORGANS, AND THE LIKE. WINTER & CO., New York, N. Y.
Filed January 10, 1938. Serial No. 401,758. PUBLISHED MARCH 8, 1938. Class 36.

356,952. FIBERBOARD CARTONS. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed January 11, 1938. Serial No. 401,796. PUBLISHED MARCH 8, 1938. Class 2.

356,953. INDIVIDUAL PORTIONS OF ICE CREAM. MORRIS LASOW, Brooklyn, N. Y.
Filed January 12, 1938. Serial No. 401,821. PUBLISHED MARCH 8, 1938. Class 46.

356,954. WELDING HEADS AND VOLTAGE CONTROL UNITS FOR ELECTRIC WELDING MACHINES. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y.
Filed January 12, 1938. Serial No. 401,826. PUBLISHED MARCH 8, 1938. Class 21.

356,955. OPTICAL LENSES, SUN GLASSES, GOGGLES, AND SPECTACLES. ROSLINOID MANUFACTURING CO., East Boston, Mass.
Filed January 15, 1938. Serial No. 401,940. PUBLISHED MARCH 8, 1938. Class 26.

356,956. EGGS AND DRESSED POULTRY. LEDLIE H. BERRY, Bowdoinham, Maine.
Filed January 17, 1938. Serial No. 401,979. PUBLISHED MARCH 8, 1938. Class 46.

356,957. WHISKEY, GIN, RUM, BRANDY, COGNAC, AND ALCOHOLIC CORDIALS. JUSTERINI & BROOKS LIMITED, also doing business as Justerini & Brooks, London, England.
Filed January 17, 1938. Serial No. 402,006. PUBLISHED MARCH 8, 1938. Class 49.

356,958. BRANDY. ARBOUIN MARETT & CO., S. A., Cognac, France.
Filed January 18, 1938. Serial No. 402,048. PUBLISHED MARCH 8, 1938. Class 49.

356,959. BRANDY. ARBOUIN MARETT & CO., S. A., Cognac, France.
Filed January 18, 1938. Serial No. 402,050. PUBLISHED MARCH 8, 1938. Class 49.

356,960. BRANDY. ARBOUIN MARETT & CO., S. A., Cognac, France.
Filed January 18, 1938. Serial No. 402,051. PUBLISHED MARCH 8, 1938. Class 49.

356,961. BRANDY. ARBOUIN MARETT & CO., S. A., Cognac, France.
Filed January 18, 1938. Serial No. 402,053. PUBLISHED MARCH 8, 1938. Class 49.

356,962. SUGAR. FARR & CO., New York, N. Y.
Filed January 18, 1938. Serial No. 402,059. PUBLISHED MARCH 8, 1938. Class 46.

356,963. CANNED LOBSTER. ROMANOFF CAVIAR COMPANY, New York, N. Y.
Filed January 18, 1938. Serial No. 402,071. PUBLISHED MARCH 8, 1938. Class 46.

356,964. FRESH CITRUS FRUITS. LAKELAND HIGHLANDS COOPERATIVE ASSOCIATION, Highland City, Fla.
Filed January 19, 1938. Serial No. 402,094. PUBLISHED MARCH 8, 1938. Class 46.

356,965. PEANUT BUTTER WITH MORSELS OF TOASTED PEANUTS ADDED. GOOD FOODS, INCORPORATED, Minneapolis, Minn.
Filed January 20, 1938. Serial No. 402,127. PUBLISHED MARCH 8, 1938. Class 46.

356,966. ALIMENTARY PASTE PRODUCTS—NAMELY, MACARONI, SPAGHETTI, AND VERMICELLI. GENEROSO MURO, doing business as Connecticut Macaroni Company, New Haven, Conn.
Filed January 21, 1938. Serial No. 402,195. PUBLISHED MARCH 8, 1938. Class 46.

356,967. WRITING AND PRINTING PAPER. AMERICAN WRITING PAPER CORPORATION, Holyoke, Mass.
Filed February 28, 1938. Serial No. 403,532. PUBLISHED MARCH 8, 1936. Class 37.

## [ACT OF MARCH 19, 1920, SEC. 1 (b)]

## THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

356,968. (CLASS 12. CONSTRUCTION MATERIALS.) PECORA PAINT COMPANY, Philadelphia, Pa. Filed May 16, 1934. Serial No. 351,428.

**CALKELASTIC**
**CALKING COMPOUND**
**GUN GRADE**

For Calking Compounds.
Claims use since about 1932.

356,969. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) R. G. LE TOURNEAU, INC., Stockton, Calif. Filed Jan. 21, 1936. Serial No. 373,926.

**CRADLEDUMP**

For Side Discharge Wagons.
Claims use since Dec. 1, 1935.

356,970. (CLASS 27. HOROLOGICAL INSTRUMENTS.) NATHAN PEYSNER, Chicago, Ill. Filed Feb. 19, 1937. Serial No. 389,152.

LANCASTER

For Watches, Clocks, Alarm Clocks, Grandfather Clocks, Mantel Clocks, and Wrist Watches.
Claims use since Jan. 15, 1937.

356,971. (CLASS 39. CLOTHING.) HOLLYWOOD VESTEE MFG. CO., Los Angeles, Calif. Filed Feb. 23, 1937. Serial No. 389,249.

HOLLYWOOD
VES-TEE

For Ladies' Reversible Vests Worn as Outer Garments.
Claims use since Jan. 20, 1937.



356,972. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) ELECTRIC HOUSEHOLD UTILITIES CORPORATION, Chicago, Ill. Filed Mar. 19, 1937. Serial No. 390,267.

**EVER-COOL**

For Protective Elements Used in Connection with the Leading Edge of the Shoe of Ironing Machines.
Claims use since Mar. 9, 1937.

356,973. (CLASS 39. CLOTHING.) INDEPENDENT MERCHANDISING CORP., New York, N. Y. Filed Mar. 19, 1937. Serial No. 390,274.

Darby

For Men's Dress, Negligee, and Work Shirts.
Claims use since November, 1936.

356,974. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AMERICAN ALUMINUM WARE CO., Newark, N. J. Filed Apr. 9, 1937. Serial No. 391,101.

**"SEAL-SPOUT"**

For Aluminum Pouring Spouts for Containers.
Claims use since Mar. 27, 1937.

356,975. (CLASS 39. CLOTHING.) EAGLE CLOTHES, New York, N. Y. Filed Apr. 12, 1937. Serial No. 391,208.

Stanwyck

For Men's Clothing—Namely, Overcoats, Topcoats, and Suits.
Claims use since Mar. 26, 1937.

356,976. (CLASS 39. CLOTHING.) R. H. MACY & CO., INC., New York, N. Y. Filed Apr. 24, 1937. Serial No. 391,817.

Pam Parker

For Cotton Dresses.
Claims use since Mar. 16, 1937.

356,977. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE AMERICAN HAIR DESIGN INSTITUTE, INC., New York, N. Y. Filed May 11, 1937. Serial No. 392,576.

AMERICAN
HAIR
DESIGN
INSTITUTE

For Pads Used in Permanent Waving.
Claims use since Apr. 7, 1937.

356,978. (CLASS 39. CLOTHING.) SAMUEL I. BURD, doing business as Lycoming Hosiery Mills, Williamsport, Pa. Filed Sept. 29, 1937. Serial No. 397,924.

**THI-HI**

For Hosiery.
Claims use since Apr. 15, 1937.

356,979. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. SPAETH & COMPANY, New York, N. Y. Filed Nov. 13, 1937. Serial No. 399,737.

Barry Almonds

For Chocolate Candy of Almond Appearance and Flavor.
Claims use since Nov. 1, 1936.

356,980. (CLASS 37. PAPER AND STATIONERY.) B. K. ELLIOTT COMPANY, Pittsburgh, Pa. Filed Dec. 17, 1937. Serial No. 400,953.

**OTHELLO**

For Tracing Paper.
Claims use since Jan. 1, 1900.

356,981. (CLASS 37. PAPER AND STATIONERY.) B. K. ELLIOTT COMPANY, Pittsburgh, Pa. Filed Dec. 17, 1937. Serial No. 400,954.

**FEDERAL**

For Tracing Paper.
Claims use since Jan. 1, 1907.

356,982. (CLASS 37. PAPER AND STATIONERY.) B. K. ELLIOTT COMPANY, Pittsburgh, Pa. Filed Dec. 17, 1937. Serial No. 400,956.

**LENOX**

For Drawing Paper.
Claims use since Jan. 1, 1900.

356,983. (CLASS 37. PAPER AND STATIONERY.) B. K. ELLIOTT COMPANY, Pittsburgh, Pa. Filed Dec. 17, 1937. Serial No. 400,959.

FULTON

For Blue Print Paper.
Claims use since May 15, 1910.

356,984. (CLASS 37. PAPER AND STATIONERY.) B. K. ELLIOTT COMPANY, Pittsburgh, Pa. Filed Dec. 17, 1937. Serial No. 400,960.

VICTORY

For Drawing Paper.
Claims use since Jan. 1, 1920.

356,985. (CLASS 37. PAPER AND STATIONERY.) B. K. ELLIOTT COMPANY, Pittsburgh, Pa. Filed Dec. 17, 1937. Serial No. 400,961.

MONARCH

For Tracing Paper.
Claims use since Jan. 1, 1927.

356,986. (CLASS 37. PAPER AND STATIONERY.) B. K. ELLIOTT COMPANY, Pittsburgh, Pa. Filed Dec. 17, 1937. Serial No. 400,962.

VICTOR

For Blue Print Cloth.
Claims use since May 8, 1898.

356,987. (CLASS 37. PAPER AND STATIONERY.) B. K. ELLIOTT COMPANY, Pittsburgh, Pa. Filed Dec. 17, 1937. Serial No. 400,964.

OXFORD

For Bristol Board and Sketching Pads.
Claims use since July 13, 1932.

356,988. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BANNER AUTO SEAT COVER CO. INC., Brooklyn, N. Y. Filed Feb. 7, 1938. Serial No. 402,761.

Koolride

For Automobile Seat Covers.
Claims use since Mar. 1, 1937.

356,989. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) U. D. L. (OF AMERICA), INC., Baltimore, Md. Filed Feb. 16, 1938. Serial No. 403,104.

KENTUCKY CLEAN

For Whiskey, Gin, Rum, Brandy.
Claims use since July 14, 1934.

356,990. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN A. WOOD, doing business as Pikle-Rite Company, Chicago, Ill. Filed Feb. 26, 1938. Serial No. 403,485.

PIKLE-RITE

For Horse Radish, Bottled Candied Sweet Midget Pickles, Canned and Bottled Sweet Mixed Pickles, Fancy Sweet Onions, Canned Cucumber Slices, Canned Vegetable Relish, Mustard, Horseradish Mustard, Prepared Mustard, Fancy Sweet Gherkins, Spiced Beets, Stuffed Olives, Pure Catsup, Sweet Chow, Dill Pickles, Piccalilli, Sweet Pickles, Sweet Cut-a-Cross Pickles, Hot Peppers, and Pickled Pigs Feet.
Claims use since May 5, 1933.

356,991. (CLASS 48. MALT BEVERAGES AND LIQUORS.) SAN DIEGO BREWING COMPANY, San Diego, Calif. Filed Mar. 19, 1938. Serial No. 404,267.

"San Diego"

For Beer.
Claims use since 1896.

356,992. (CLASS 39. CLOTHING.) IRVING GEIST, New York, N. Y. Filed Mar. 24, 1938. Serial No. 404,437.

*Nancy Post*

For Women's and Misses' Blouses and Dresses.
Claims use since Dec. 6, 1936.

356,993. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM COHEN FABRICS CORP., New York, N. Y. Filed Mar. 31, 1938. Serial No. 404,689.

SHADOW SHEER

For Textile Fabrics in the Piece of Silk, Wool, Rayons, and Combinations Thereof.
Claims use since Mar. 3, 1937.

# TRADE-MARK REGISTRATIONS RENEWED

15,474. DENTAL GOODS AND MATERIALS OF ALL KINDS. Registered May 15, 1888. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa., Chicago, Ill., New York, N. Y., Brooklyn, N. Y., and Boston, Mass. Re-renewed May 15, 1938, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania.

120,335. SAFETY-RAZORS AND PARTS THEREOF. Registered February 5, 1918. AUGUSTUS H. BRYANT, New York, N. Y. Renewed February 5, 1938, to International Safety Razor Corp., Bloomfield, N. J., a corporation of New Jersey, successor.

121,544. SNAP-FASTENERS. Registered May 7, 1918. CARR FASTENER COMPANY. Renewed May 7, 1938, to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts, assignee.

121,963. LUBRICATING OILS AND GREASES. Registered June 11, 1918. THE STAR OIL COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 11, 1938.

122,241. VARNISHES, STAINS, ENAMELS, JAPANS, DRIERS, DRY AND READY-MIXED PAINTS. Registered July 9, 1918. STANDARD VARNISH WORKS, New York, N. Y., a corporation of New York. Renewed July 9, 1938.

122,288. LUBRICATING-OIL. Registered July 16, 1918. THE STAR OIL COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 16, 1938.

122,289. LUBRICATING-OIL. Registered July 16, 1918. THE STAR OIL COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 16, 1938.

122,454. MOTION-PICTURE FILMS. Registered August 20, 1918. FIRST NATIONAL EXHIBITORS CIRCUIT, INC. Renewed August 20, 1938, to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

122,698. HAIR-NETS. Registered September 10, 1918. S. GLEMBY, INC. Renewed September 10, 1938, to The Glemby Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

122,961. A SEMIMONTHLY MAGAZINE. Registered October 1, 1918. FAIRCHILD COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 1, 1938.

122,992. CANNED EVAPORATED MILK. Registered October 1, 1918. W. R. ROACH & CO., Hart, Mich. Renewed October 1, 1938, to W. R. Roach & Company, Grand Rapids, Mich., a corporation of Michigan.

123,014. CERTAIN NAMED PAPER AND STATIONERY. Registered October 8, 1918. J. C. BLAIR COMPANY, Huntington, Pa. Renewed October 8, 1938, to Western Tablet & Stationery Corporation, Dayton, Ohio, a corporation of Delaware, assignee.

123,016. BELTINGS, TRANSMISSION-LININGS, HOOD-LACINGS MADE OF TEXTILE FABRIC. Registered October 8, 1918. CHARLES BOND COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed October 8, 1938.

# LABELS

## REGISTERED MAY 17, 1938

51,114.—*Title:* THE ROCKY MOUNTAIN COLORADO SPINNER. For Spinners. AEROPLANE SPINNER MFG. CO., Denver, Colo. Published March 9, 1938.

51,115.—*Title:* PETER PAN. For Salmon. ALASKA PACIFIC SALMON COMPANY, Seattle, Wash. Published March 25, 1938.

51,116.—*Title:* APPROVED BY BETTER BOOKS GUILD. For Nature's Messages of Peace. ASSOCIATED AUTHORS, Chicago, Ill. Published January 13, 1938.

51,117.—*Title:* AIMCEE. For Cotton Sanitary Napkins. ASSOCIATED MERCHANDISING CORPORATION, doing business as A. M. C., New York, N. Y. Published December 27, 1937.

51,118.—*Title:* AIMCEE. For Soap Chips. ASSOCIATED MERCHANDISING CORPORATION, doing business as A. M. C., New York, N. Y. Published January 19, 1938.

51,119.—*Title:* ATLAS HYDROMETER. For Battery Hydrometers. ATLAS SUPPLY COMPANY, Newark, N. J. Published March 7, 1938.

51,120.—*Title:* ATLAS SHAKER BOX. For Tacks. ATLAS TACK CORPORATION, Fairhaven, Mass. Published August 2, 1937.

51,121.—*Title:* SUNBEAM (WHOLE GRAIN KERNEL-KORN). For Fancy Whole Grain Golden Bantam Corn. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y. Published December 6, 1937.

51,122.—*Title:* SUNBEAM (TOMATOES). For Selected Hand Packed Tomatoes. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y. Published December 6, 1937.

51,123.—*Title:* SOUVENIR POST CARDS—10 VIEWS—A SELECTED ASSORTMENT—1939 EXPOSITION AND WORLD'S LARGEST BRIDGES. For Souvenir Post Cards. J. C. BARDELL, San Francisco, Calif. Published March 2, 1938.

51,124.—*Title:* HANDY HANGERS. For Article Hangers For Use in Medicine Cabinets or the Like, on the Shelves Thereof. BARJESS CORP., New York, N. Y. Published March 25, 1938.

51,125.—*Title:* ALL PURPOSE CUPS. For Cups for Hot and Cold Drinks. BEACH & ARTHUR PAPER COMPANY, Indianapolis, Ind. Published March 15, 1938.

51,126.—*Title:* PENGUIN. For Double Edge Blades. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Published March 4, 1938.

51,127.—*Title:* LECHE DE MAGNESIA GRANCHEL. For Milk of Magnesia. JOSE MIGUEL GIOL CABASSA, doing business as Laboratorios Granchel, Santurce, P. R. Published May 8, 1935.

51,128.—*Title:* CAROLENE. For a Compound of Evaporated Skimmed Milk and Refined Cocoanut Oil. CAROLENE PRODUCTS CO., Litchfield, Ill. Published February 20, 1938.

51,129.—*Title:* MILNUT. For a Compound of Evaporated Skimmed Milk and Refined Cocoanut Oil. CAROLENE PRODUCTS CO., Litchfield, Ill. Published February 20, 1938.

51,130.—*Title:* SILK-TONE QUALITY SMOOTHEST WAY TO BEAUTY. For Powder Puffs. COLUMBIA PRODUCTS CORPORATION, Brooklyn, N. Y. Published March 10, 1937.

51,131.—*Title:* COACH AND FOUR. For Smoking Tobacco. CRIMSON COACH, INC., Toledo, Ohio. Published December 28, 1937.

51,132.—*Title:* RARE DOURO PORT. For Port Wine. CLEMENTE DA SILVA, Vila Nova da Gaia, Portugal. Published February 25, 1938.

51,133.—*Title:* PINK CHEVRON. For California Champagne. ELLENA BROS., Etiwanda, Calif. Published March 14, 1938.





51,134.—*Title:* REGINA. For California Champagne.

51,157.—*Title:* STAN-GRADE SMOOTH-SURF. For



51,179.—*Title:* MOUNTAIN RUN BRAND. For Apple Wine. PIEDMONT APPLE PRODUCTS CORP., Charlottes-

51,188.—*Title:* ST. LOUIS DAIRY. For Ice Cream. ST. LOUIS DAIRY COMPANY, St. Louis, Mo. Published

51,134.—*Title:* REGINA. For California Champagne. ELLENA BROS., Etiwanda, Calif. Published March 14, 1938.

51,135.—*Title:* ANEX.A.GRAM. For a Crossword Game for 2 to 6 Players. THE EMBOSSING COMPANY, Albany, N. Y. Published February 18, 1938.

51,136.—*Title:* LIMRAY. For a Product for Sunburn Protection. FRANKLIN E. EVERSON, doing business as Limray Co., New York, N. Y. Published February 23, 1938.

51,137.—*Title:* COUGH LOZENGES. For Medicated Cough Tablets. F & F LABORATORIES, INC., Chicago, Ill. Published April 12, 1938.

51,138.—*Title:* FACTOR'S OIL SHAMPOO. For an Oil Shampoo. PHILIP F. FACTOR, doing business as Factor's Hair Products Co., Chicago, Ill. Published March 26, 1938.

51,139.—*Title:* VALUE CONTROLD. For Grapefruit Juice. FLORIDA CITRUS CANNERS COOPERATIVE, Lake Wales, Fla. Published February 14, 1938.

51,140.—*Title:* VALUE CONTROLD. For Grapefruit Juice. FLORIDA CITRUS CANNERS COOPERATIVE, Lake Wales, Fla. Published February 14, 1938.

51,141.—*Title:* RAM'S HEAD MOTOR OIL. For Motor Oil. J. E. FRENCH CO., San Francisco, Calif. Published February 23, 1938.

51,142.—*Title:* FUDGI-FROST. For a Frozen Confection. FROZEN NOVELTIES SALES CORPORATION, Long Island City, N. Y. Published March 26, 1938.

51,143.—*Title:* FRUITI-FROST. For a Frozen Confection. FROZEN NOVELTIES SALES CORPORATION, Long Island City, N. Y. Published March 26, 1938.

51,144.—*Title:* ICY-FROST. For a Frozen Confection. FROZEN NOVELTIES SALES CORPORATION, Long Island City, N. Y. Published March 26, 1938.

51,145.—*Title:* OLD NORTH STATE. For Blackberry Wine. GARRETT & COMPANY, INC., Brooklyn, N. Y. Published March 31, 1938.

51,146.—*Title:* GOULD'S LAXATIVE HERB TEA. For Herb Tea. GEORGE GARRISSINO, doing business as Chester E. Gould Company, Malden, Mass. Published March 15, 1938.

51,147.—*Title:* HORRORS OF WAR. For a Picture Card and Bubble Gum. GUM INCORPORATED, Philadelphia, Pa. Published February 18, 1938.

51,148.—*Title:* HORRORS OF WAR. For a Picture Card and Bubble Gum. GUM INCORPORATED, Philadelphia, Pa. Published February 18, 1938.

51,149.—*Title:* HORRORS OF WAR. For a Picture Card and Bubble Gum. GUM INCORPORATED, Philadelphia, Pa. Published February 18, 1938.

51,150.—*Title:* HORRORS OF WAR. For a Picture Card and Bubble Gum. GUM INCORPORATED, Philadelphia, Pa. Published February 18, 1938.

51,151.—*Title:* LIVURAL. For an Unguentum. HART DRUG CORPORATION, Miami, Fla. Published February 1, 1938.

51,152.—*Title:* LIVURAL. For an Unguentum. HART DRUG CORPORATION, Miami, Fla. Published February 1, 1938.

51,153.—*Title:* HOWELL SYNGLO BULLETIN COLOR. For Bulletin Colors. CHARLES H. HOWELL AND COMPANY INCORPORATED, Philadelphia, Pa. Published October 27, 1937.

51,154.—*Title:* ICCO. For Grated Cheese with Skim Milk Solids. ITALIAN CHEESE CO., INC., Brooklyn, N. Y. Published January 20, 1938.

51,155.—*Title:* JOHNSONS RUB-IN. For Liniment. GUST JOHNSON, Youngstown, Ohio. Published February 28, 1938.

51,156.—*Title:* JOHNSON'S CLEANER. For a Cleaner for Rugs, Upholstery, Wood Work, Etc. JOHN W. JOHNSON, doing business as Johnson Products Co., Buffalo, N. Y. Published March 9, 1938.

51,157.—*Title:* STAN-GRADE SMOOTH-SURF. For Roofing. KEASBEY & MATTISON COMPANY, Ambler, Pa. Published March 1, 1938.

51,158.—*Title:* HY-GRADE MIN-SURF. For Roofing. KEASBEY & MATTISON COMPANY, Ambler, Pa. Published March 1, 1938.

51,159.—*Title:* MED-GRADE MIN-SURF. For Roofing. KEASBEY & MATTISON COMPANY, Ambler, Pa. Published March 1, 1938.

51,160.—*Title:* MED-GRADE SMOOTH-SURF. For Roofing. KEASBEY & MATTISON COMPANY, Ambler, Pa. Published March 1, 1938.

51,161.—*Title:* HY-GRADE SMOOTH-SURF. For Roofing. KEASBEY & MATTISON COMPANY, Ambler, Pa. Published March 1, 1938.

51,162.—*Title:* MANLOVE'S SNAPBAK. For Headache Powders. WILLIAM E. MANLOVE, doing business as Manloves Laboratories, Norfolk, Va. Published April 15, 1938.

51,163.—*Title:* IDEAL SPATS. For Spats. MANOLIS MANUFACTURING COMPANY, Chicago, Ill. Published March 21, 1938.

51,164.—*Title:* AN AMERICAN PHYSICIAN'S BREAD FORMULA FOR HUMAN NEEDS. For Bread. DONALD MCCASKEY, New York, N. Y. Published February 15, 1937.

51,165.—*Title:* McCOY'S. For an Ointment for Treating Athlete's Foot. JOHN C. MCCOY, Houston, Tex. Published February 2, 1938.

51,166.—*Title:* MILES SHOES. For Shoes. MILES SHOES, INC., New York, N. Y. Published December 1, 1937.

51,167.—*Title:* MILLER'S BLIGHT & BARK CURE. For a Blight and Bark Cure for Trees. WELTY MILLER, Fairchance, Pa. Published March 26, 1938.

51,168.—*Title:* PRODUCERS OF SWEET WINES EXCLUSIVELY SINCE 1892. For Sweet Wines. GEORGE H. NABOBLE, RALPH FORCH, AND S. W. HARKLEROAD, trustees for the estate of A. Mattei, doing business as A. Mattei, Fresno, Calif. Published January 29, 1938.

51,169.—*Title:* NAVAJO WOOL HOMESPUN. For Navajo Wool Homespun. NEW ENGLAND FIBRE BLANKET COMPANY, Worcester, Mass. Published September 29, 1937.

51,170.—*Title:* 5AAAAA BRAND. For Butter. NEW HENNEPIN MEAT COMPANY, Minneapolis, Minn. Published May 23, 1937.

51,171.—*Title:* HUNTER'S PINK. For Lipsticks. FRANCES OLIVIER, New York, N. Y. Published March 31, 1938.

51,172.—*Title:* 3 FRUIT. For Jam. ORCHARD PRODUCTS COMPANY, Chicago, Ill. Published February 3, 1937.

51,173.—*Title:* PALM BEACH. For Beverages. PALM BEACH BOTTLING WORKS, Palm Beach, Fla. Published March 10, 1938.

51,174.—*Title:* PARACIDE. For a Liquid Preparation for Killing Flies, Roaches, Bed Bugs, Ants, Etc. PARAMOUNT LABORATORIES INC., Binghamton, N. Y. Published February 10, 1938.

51,175.—*Title:* BEAU DE PARIS. For Men's Mufflers. THE PARIS NECKWEAR COMPANY, INC., New York, N. Y. Published March 10, 1938.

51,176.—*Title:* TOUR DE PARIS. For Men's Mufflers. THE PARIS NECKWEAR COMPANY, INC., New York, N. Y. Published March 10, 1938.

51,177.—*Title:* RID-A-PAIN TABLETS. For Medicinal Tablets. S. PFEIFFER MFG. CO., St. Louis, Mo. Published January 2, 1938.

51,178.—*Title:* LIGHTNING TREAD ROADGRIPPER. STOPS QUICK AS LIGHTNING. SILENT AS A DARK NIGHT. For Pneumatic Motor Vehicle Tires. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Published March 15, 1938.



51,179.—*Title:* MOUNTAIN RUN BRAND. For Apple Wine. PIEDMONT APPLE PRODUCTS CORP., Charlottesville, Va. Published April 6, 1938.

51,180.—*Title:* PITMAN FADE-PRINT SOLUTION. For a Solution for Making Image Prints. HAROLD M. PITMAN COMPANY, Chicago, Ill. Published February 15, 1938.

51,181.—*Title:* PITMAN VERSE-PRINT SOLUTION. For a Solution for Making Reverse Prints on Zinc with Cold Top Enamel. HAROLD M. PITMAN COMPANY, Chicago, Ill. Published February 16, 1938.

51,182.—*Title:* VI-CHLOR. For a Household Cleaner, Disinfectant, and Bleach. MICHAEL PONTE, doing business as Vio Laboratories, Philadelphia, Pa. Published November 1, 1935.

51,183.—*Title:* WITE A SNOW. For Cleaning Fluid for the Cleaning of Clothes. THE R. & G. PRODUCT CO., Wayne Township, Passaic County, and Preakness, N. J. Published March 1, 1938.

51,184.—*Title:* OZARK MOUNTAIN DEW. For a Carbonated Beverage. JOHN RABEY, doing business as Orange Crush Bottling Company, Mansfield, Mo. Published September 25, 1937.

51,185.—*Title:* WORD-O-GRAMS. For a Game of Skill for from 2 to 200 Players. RECREATIONAL EQUIPMENT CO., Denver, Colo. Published January 18, 1938.

51,186.—*Title:* RITZY—A SOCIAL GAME. For a Game. FRANK RIZZI, New York, N. Y. Published March 21, 1938.

51,187.—*Title:* FLIP JACK. For a Game. RUSSELL PRESS, INC., Leicester, Mass. Published December 5, 1937.

51,188.—*Title:* ST. LOUIS DAIRY. For Ice Cream. ST. LOUIS DAIRY COMPANY, St. Louis, Mo. Published April 5, 1938.

51,189.—*Title:* LOCOMOTIVE EGG CARTON. For Egg Cartons. LOUIS SCHWARTZBERG, Chicago, Ill. Published April 22, 1938.

51,190.—*Title:* HYDBOX. For Ice Cream. SEALTEST, INC., New York, N. Y. Published April 5, 1938.

51,191.—*Title:* L 50. For Footwear. TOLMAN PRINT INCORPORATED, Cambridge, Mass. Published March 30, 1938.

51,192.—*Title:* L 51. For Footwear. TOLMAN PRINT INCORPORATED, Cambridge, Mass. Published March 30, 1938.

51,193.—*Title:* L 52. For Footwear. TOLMAN PRINT INCORPORATED, Cambridge, Mass. Published March 30, 1938.

51,194.—*Title:* L 53. For Footwear. TOLMAN PRINT INCORPORATED, Cambridge, Mass. Published March 30, 1938.

51,195.—*Title:* L 54. For Footwear. TOLMAN PRINT INCORPORATED, Cambridge, Mass. Published March 30, 1938.

51,196.—*Title:* L 55. For Footwear. TOLMAN PRINT INCORPORATED, Cambridge, Mass. Published March 30, 1938.

51,197.—*Title:* CLINIC TISSUE. For Clinic Tissue. WADHAMS & COMPANY, Portland, Oreg. Published February 21, 1938.

## LABELS RENEWED

15,159. "FERNDALE" FOR CHOCOLATES. Registered April 26, 1910. QUAKER CITY CHOCOLATE & CONFECTIONERY CO. INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed April 26, 1938.

## PRINTS

### REGISTERED MAY 17, 1938

16,824.—*Title:* ATLAS PRODUCTS IN THE NEW SHAKER BOX. For Carpet Tacks. ATLAS TACK CORPORATION, Fairhaven, Mass. Published August 2, 1937.

16,825.—*Title:* JUICY JUMBO HAMBURGERS. For Hamburger Sandwiches and Steaks Made with Flavorized Ground Juicy Meat. FRANK V. BROWN, Salem, Oreg. Published October 27, 1937.

16,826.—*Title:* JUICY MEAT HAMBURGERS. For Hamburger Sandwiches and Steaks Made with Flavorized Ground Juicy Meat. FRANK V. BROWN, Salem, Oreg. Published October 27, 1937.

16,827.—*Title:* FOUR STAR FOUNTAIN SERVICE BORDEN'S ICE CREAM. For Ice Cream. THE BORDEN COMPANY, New York, N. Y. Published January 8, 1938.

16,828.—*Title:* ONE CAKE FOR 3 OCCASIONS! For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published April 16, 1938.

16,829.—*Title:* TEST FOR EXCELLENCE AND FRESHNESS. For Bread. GENEST BROS., INC., Manchester, N. H. Published February 17, 1938.

16,830.—*Title:* FROM THE CYPRESS CASKS OF GOEBEL. For Beer. GOEBEL BREWING CO., Detroit, Mich. Published March 30, 1938.

16,831.—*Title:* SLUBRITE FROCKS OF FINE SLUB BROADCLOTH. For Frocks. S. L. HOFFMAN & CO., INC., New York, N. Y. Published April 14, 1938.

16,832.—*Title:* CAN YOU SOLVE IT? For a Publication. MILLARD HOPPER, New York, N. Y. Published January 15, 1938.

16,833.—*Title:* THE "CLOVER HONEY", AN ACHIEVEMENT IN PIPECRAFT BY THE HOUSE OF WESTMINSTER, LTD. For Pipes. THE HOUSE OF WESTMINSTER, LTD., New York, N. Y. Published March 12, 1938.

16,834.—*Title:* "EMPEROR NAPOLEON PIPE" CURED WITH GENUINE NAPOLEON BRANDY. For Pipes. THE HOUSE OF WESTMINSTER, LTD., New York, N. Y. Published April 2, 1938.

16,835.—*Title:* DURA-GLOSS NAIL POLISH. For Nail Polish. LORR LABORATORIES, INC., Paterson, N. J. Published March 24, 1938.

16,836.—*Title:* TAKES WORK AND GUESSWORK OUT OF FEEDING. For Poultry Feed. NUTRENA MILLS, INC., Kansas City, Kans. Published December 15, 1937.

16,837.—*Title:* DALE CARNEGIE'S VACUMATIC HAS WHAT IT TAKES. For Fountain Pens, Mechanical Pencils, and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published March 5, 1938.

16,838.—*Title:* COURTESY WRITES ALL SOCIAL LETTERS BY HAND. For Fountain Pens, Mechanical Pencils, and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published April 2, 1938.

16,839.—*Title:* MOUNTAIN GROWN SEEDS. For Seeds, Shrubs, Roses, and Trees. PORTER-WALTON CO., Salt Lake City and Centerville, Utah. Published March 4, 1937.

16,840.—*Title:* EARLY AMERICAN TOILETRIES SCENTED WITH OLD SPICE. For Toilet Preparations—Namely, Soaps, Bath Powders, Toilet Waters, Perfumes, and Bath Salts. SHULTON, INC., New York, N. Y. Published October 5, 1937.

16,841.—*Title:* STEGMAIER'S. For Bock Beer. STEGMAIER BREWING COMPANY, Wilkes-Barre, Pa. Published March 10, 1938.

16,842.—*Title:* "1937'S GREATEST TYPEWRITER IS HERE." For Typewriters. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y. Published January 11, 1937.

# REISSUES

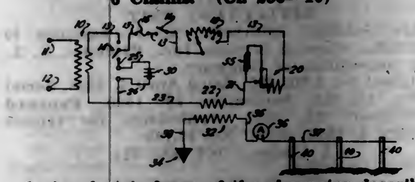
MAY 17, 1938

## 20,725
## ELECTRIC FENCE

**Leonard Heidger, West Allis, Wis., assignor to Edwin J. Gengler, Milwaukee, Wis.**

**Original No. 2,090,198, dated August 17, 1937, Serial No. 5,951, February 11, 1935. Application for reissue October 2, 1937, Serial No. 166,978**

**6 Claims. (Cl. 256—10)**



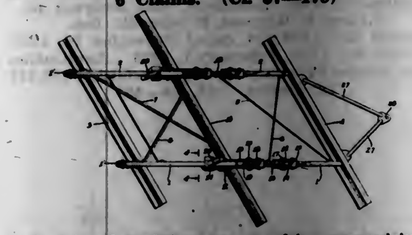
1. An electric fence of the character described comprising: a fence wire; a primary circuit; a source of electric current in said primary circuit; a transformer including a primary coil connected in said primary circuit, and a secondary coil; an interrupter comprising a pair of contacts connected in said primary circuit to close the same, and a magnetically propelled weight constrained to recurrent movement in a fixed path and adapted to control engagement of said contacts with each other, said magnetically propelled weight being so connected with the contacts that engagement thereof is limited to a brief part of the time required for the weight to move through a complete cycle, whereby the primary circuit and the transformer are cyclically and momentarily energized; and means for connecting one end of the secondary coil to the ground and the other end thereof to said fence to constitute a normally open secondary circuit.

## 20,726
## ROAD MAINTENANCE MACHINE

**Carl G. Andersen, Westchester, Ill.**

**Original No. 1,865,812, dated July 5, 1932, Serial No. 539,958, May 25, 1931. Application for reissue November 29, 1937, Serial No. 177,081**

**6 Claims. (Cl. 37—175)**



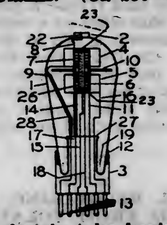
1. A road maintenance machine comprising a frame consisting of a pair of parallel side members, each of said side members being curved downwardly and forwardly at its rear edge, a scraper bar secured to the forwardly curving portions and being inclined forwardly from the vertical, said side members being inclined downwardly at their front ends, a scraper bar secured to the front ends and being inclined forwardly from the vertical, said front and rear scraper bars being in parallel relation and one end of each of said scraper bars being disposed in advance of the other end, a cutter bar disposed between said scraper bars and in parallel relation therewith, each end of said cutter bar having secured thereto an arm, each of said arms being pivotally connected to the respective side members at the curved portions thereof, a yoke straddling each of said side members and being pivotally connected to an arm, each of said yokes bearing a screw having engagement with the upper edge of its respective side member for adjusting the cutter bar, a bell crank lever carried by each of said side members, links connecting said bell crank levers to said arms, a threaded block carried by each of said side members, a bearing block carried by each of said brackets, and a screw passing through each bearing block whereby an auxiliary raising or lowering means is provided for said cutter bar.

## 20,727
## ELECTRON DISCHARGE DEVICE

**Richard U. Clark, Fort Wayne, Ind.**

**Original No. 2,084,478, dated June 22, 1937, Serial No. 631,461, September 2, 1932. Application for reissue January 5, 1938, Serial No. 183,562**

**16 Claims. (Cl. 250—27.5)**



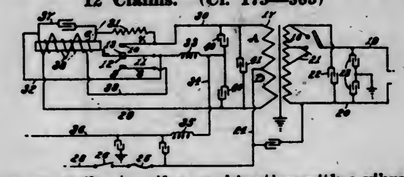
1. A vapor electric tube having an ionizable atmosphere, two adjacent grids, two plates, and a common electron emitting cathode, an insulating spacer abutting the adjacent grids and having an aperture surrounding the cathode, said aperture having sufficient clearance thereabout to allow the passage of electrons and ions from one end of the cathode to the other whenever either grid prevents emission of electrons to its respective plate.

## 20,728
## VIBRATOR AND OPERATING CIRCUIT THEREFOR

**William W. Garstang, Indianapolis, Ind., assignor to Electronic Laboratories, Incorporated, Indianapolis, Ind., a corporation of Indiana**

**Original No. 2,020,681, dated November 12, 1935, Serial No. 752,211, November 9, 1934. Application for reissue June 18, 1936, Serial No. 85,922**

**12 Claims. (Cl. 175—365)**

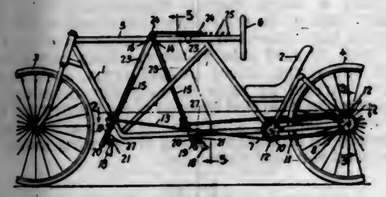


1. In a vibrator, the combination with a vibrating reed, of an electromagnet for operating the

reed having its energizing circuit controlled by said reed, an isolating resistance in series with the coil of said magnet and a condenser in parallel with said coil having a capacity to produce a resonance therein at the natural frequency of said reed.

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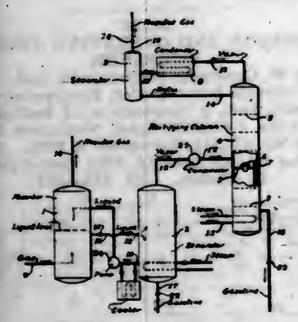
20,729
**POWER CONVERTING MECHANISM**
William E. Hendricks, Denver, Colo.
Original No. 2,012,534, dated August 27, 1935, Serial No. 725,624, May 14, 1934. Application for reissue August 16, 1937, Serial No. 159,397
5 Claims. (Cl. 280—257)



1. In a bicycle including a frame, a seat and supporting wheels, a pair of pedals, one on each side of said frame, means mounting the pedals on the frame for movement along predetermined paths parallel to said frame, a pair of sprockets coupled to opposite sides of a wheel to transmit rotary motion thereto, a pair of sprockets rotatably mounted on the frame and each aligned with one of the first pair of sprockets, chains passing about and connecting the aligned sprockets on each side of said wheel, and a connecting rod pivotally connecting each chain with a pedal.

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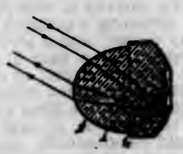
20,730
**PROCESS FOR RECOVERING HYDROCARBON LIQUIDS FROM VOLATILE HYDROCARBON GASES AND VAPORS**
Malcolm P. Youker, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Original No. 1,961,262, dated March 26, 1934, Serial No. 537,188, May 13, 1931. Application for reissue March 21, 1936, Serial No. 70,177
6 Claims. (Cl. 196—11)



6. A process for recovering hydrocarbon liquids from hydrocarbon gases including the steps of causing a hydrocarbon gas to make contact with a hydrocarbon absorption liquid which boils within the gasoline range, in a zone maintained at relatively high pressure, subsequently releasing the liquid which results from said contact into a zone of relatively low pressure to separate said liquid into a vaporous fraction and a liquid fraction, returning at least a portion of said liquid fraction to said first zone for utilization as an absorbent medium in the process, and rectifying said vaporous fraction under superatmospheric pressure to produce therefrom a liquid and gaseous fraction.

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20,731
**REFLECTING UNIT**
Sigge Schiller, Elizabeth, N. J., assignor to Traffic Signs & Signals, Inc., Paterson, N. J., a corporation of Delaware
Original No. 1,903,285, dated April 4, 1933, Serial No. 483,022, September 19, 1930. Renewed February 13, 1933. Application for reissue April 1, 1935, Serial No. 14,140
5 Claims. (Cl. 88—82)



5. A reflecting unit including a lens having a convex and substantially elliptical refracting surface, a reflector in rear of said refracting surface and having a central portion positioned substantially at the focus of incident rays parallel to the axis of said lens, and a marginal portion positioned substantially at the focus of parallel rays entering the marginal portion of said lens and inclined to the axis thereof.

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20,732
**ADJUSTABLE BRIDGE FOR BIFOCAL LENSES**
Alphus O. Yee, Talladega, Ala., assignor to George P. Kimmel, Brookeville, Ind.
Original No. 2,020,629, dated November 12, 1935, Serial No. 4,566, February 1, 1935. Application for reissue February 10, 1937, Serial No. 125,131
18 Claims. (Cl. 88—49)



1. In eyeglasses or spectacles having bifocal lenses, a bridge member having pad portions adapted to bear against opposite sides of the nose and to support the eyeglasses or spectacles upon the face of the wearer, and a second bridge member connected to the respective lenses and slidable vertically with respect to said pad-carrying member to an upper and a lower position, said second member comprising a pair of vertically extending parts, a cross-bar connecting said vertically extending parts and a part vertically spaced from said cross-bar and extending from one vertically extending part towards the other vertically extending part, said pad-carrying member having a cross-bar connecting the pad-carrying parts and positioned between the cross-bar and the vertically spaced part of the second member, whereby the cross-bar of the pad-carrying member and either the cross-bar or the vertically spaced part of the second member may be pinched towards each other to shift the second member into either of its positions of adjustment.



# PLANT PATENTS

## GRANTED MAY 17, 1938

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

278
**APPLE TREE**
Thomas Elwood Graham, Kent County, Mich., assignor to Greening Nursery Company, Monroe, Mich., a corporation
Application December 5, 1936, Serial No. 114,505
1 Claim. (Cl. 47—62)

A new and distinct variety of apple tree essentially as shown and described, characterized particularly by its earlier bearing age; by the solid bright red color of its fruit as described; and by the larger size, earlier ripening and more agreeable flavor of the fruit as compared with Northern Spy.

279
**ROSE**
Jean H. Nicolas, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y.
Application June 12, 1937, Serial No. 149,015
1 Claim. (Cl. 47—61)

A new variety of large, flowering, hardy polyantha rose particularly adapted for mass planting, characterized by its intertwining characteristics, its disease resistance and winter hardiness, and the snow-white coloring and long lasting qualities of its flowers, substantially as shown and described.

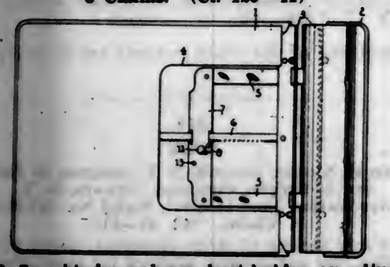
# PATENTS

## GRANTED MAY 17, 1938

### 2,117,265
### BINDER OR LOOSE SHEET HOLDER

Leon L. Allyn, Kalamazoo, Mich., assignor to Master-Craft Corporation, Kalamazoo, Mich.

Application March 13, 1937, Serial No. 130,670
3 Claims. (Cl. 129—41)



3. In a binder or loose sheet holder, an adjusting means comprising a ratchet bar, an adjusting member slidably associated with said ratchet bar and having a slot disposed in an angular inclined relation to the ratchet bar, a pawl provided with a pivot slidably and pivotally engaged in said slot, the angle of the slot being such that the pawl is held out of holding engagement to the ratchet bar by the slot when the pawl pivot is manually shifted outwardly in the slot, and a spring acting to urge said pawl to ratchet bar engaging position in all positions of the pawl pivot in the slideway.

### 2,117,266
### FOOD FORM

Irene M. Adams, Portland, Oreg.

Application August 24, 1936, Serial No. 97,665
1 Claim. (Cl. 65—65)



A form for arranging food on the inner base portion of a serving plate, said form comprising a ring member of a diameter equal to that of the inner base portion of the plate, and formed with a vertical wall, a series of vertical inner walls disposed within the ring member and connected with each other and with the wall of the ring, certain of said inner walls being of a particular shape to resemble various likenesses of birds, animals and the like, other of said inner walls dividing the space surrounding said particularly shaped walls into a series of irregular compartments, and all of said walls being of flexible material whereby they may be distorted for removing food lodged between them.

### 2,117,267
### GAUGE

Warren Ames, Newton, Mass.

Application February 5, 1935, Serial No. 5,051
10 Claims. (Cl. 33—172)

1. A gauge having, in combination, a movable indicator member; a movable primary actuated part; motion transmitting means between said member and part comprising a stop member positioned in accordance with the position of said primary actuated part; said motion transmitting means also comprising a movable part operatively connected to said indicator member and carrying an abutment, and also operatively carrying a stop member and spring means yieldingly urging said stop member against said abutment; the first mentioned stop member cooperating with the last mentioned stop member, and, when

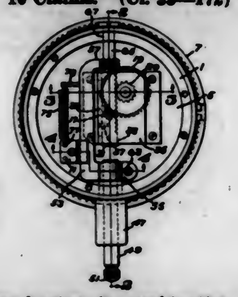


moved by said primary actuated part against said last mentioned stop member, tending to force it away from said abutment against the resistance of said spring means; and a second spring means operatively acting to move said second mentioned movable part in such direction as to press the stop member carried by the latter against the first mentioned stop member under a force less than that exerted by the first mentioned spring means on said second mentioned stop member to hold the latter against said abutment.

### 2,117,268
### GAUGE

Warren Ames, Newton, Mass.

Application April 29, 1936, Serial No. 76,986
10 Claims. (Cl. 33—172)



1. A gauge having, in combination, a movable indicator member, mechanism for operating the latter comprising a reciprocatory member and motion transmitting means operatively connecting it to said indicator member, means operatively acting upon said reciprocatory member for



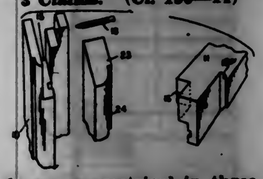


urging it in one direction of movement, a second reciprocatory member operatively movable relative to the first mentioned reciprocatory member and adapted to be moved by the thing to be gauged in the same direction as the first mentioned reciprocatory member is urged by said means, said second reciprocatory member having a portion thereof in the path of movement of said first mentioned reciprocatory member whereby it acts as a positioning stop for the latter, and means constituting a support for the elements enumerated.

### 2,117,269
### FRAME CONSTRUCTION

Forrest F. Bell, Clinton, Iowa, assignor, by mesne assignments, to Curtis Companies Incorporated, Clinton, Iowa, a corporation of Iowa

Application February 18, 1937, Serial No. 126,446
3 Claims. (Cl. 156—14)

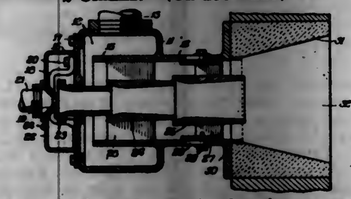


3. In a frame symmetrical in three planes, a rectangular frame having adjacent its inner edge a continuous rabbet equal to half the thickness and half the width of the frame members, a frame filling member having its edges received in said rabbet, mould elements in the rabbet, the inner edges of the frame and the mould elements being of substantially the same shape, a cross bar between the sides of the frame midway between its ends on one side of the member having its ends fitted to the inner edge of the frame, the sides of the frame and the ends of the cross bar being provided with mortises and coacting ends received in the mortises and an adjacent cross bar on the other side of the member having its ends fitted to the edges, the cross bars being of the same total thickness as the frame and being alike in cross section.

### 2,117,270
### APPARATUS FOR PRODUCING PROGRESSIVELY DELAYED COMBUSTION

Fred S. Bloom, Pittsburgh, Pa.

Application June 29, 1935, Serial No. 29,004
2 Claims. (Cl. 158—110)



2. In a gas burner, an air chamber, a gas admission tube extending into one side of the chamber, an air admission pipe discharging into the chamber at approximately right angles to the gas tube, a cylindrical air control partition extending into the chamber from the side opposite the gas tube concentrically with said tube, the air control partition being larger than the gas tube and extending into the chamber beyond the end of the gas tube and also beyond the discharge of the air admission pipe into the chamber, and an air control tube within the air control partition adjacent the gas admission tube.

### 2,117,271
### COMBINED SIPHON BOTTLE AND CARBONATOR

David E. Bowman, Los Angeles, Calif., assignor to Siphonator, Inc., Los Angeles, Calif., a corporation of California

Application August 17, 1937, Serial No. 159,613
12 Claims. (Cl. 226—62)

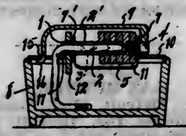


1. A combined siphon bottle and carbonator comprising a bottle having a head for dispensing a carbonated liquid therefrom, and a combined carbonating and liquid and gas intaking means, having elements thereof disposing interiorly and exteriorly of said bottle apart from said head for introducing gas and liquid into said bottle and saturating the liquid with the gas during said introduction of said liquid.

### 2,117,272
### MOISTENING DEVICE

Earl M. Brooks, Fort Worth, Tex.

Substitute for abandoned application Serial No. 47,118, October 28, 1935. This application May 26, 1937, Serial No. 146,324
5 Claims. (Cl. 91—48)



1. A moistener consisting of a housing formed to incase a moistening wheel journaled therein, a water container having a lid, said housing being swingingly supported on said lid and adapted to support said wheel over and above an opening in said lid so that the same may be free of contact therewith, means for conveying water from said container to said wheel, and said housing being disposed relative to said lid so that an envelope passed between said lid and said housing will lift said housing and rotate said wheel during its passage therebetween.

### 2,117,273
### APPARATUS FOR REMOVING OIL FROM WATER

John W. Brown, Baltimore, Md., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

Application March 23, 1936, Serial No. 70,293
4 Claims. (Cl. 210—60)

1. In a device for separating oil from water, a tank, an inlet to said tank for water containing



oil to be separated, an outlet from said tank

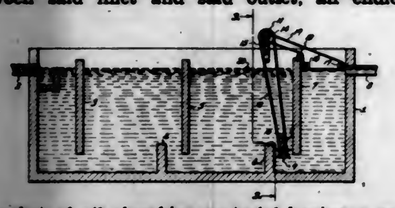
cent concentrically disposed jets, said well being



to form an opening, positioning an annular cut-

ating said stopping tank perforated plate, a switch

oil to be separated, an outlet from said tank for discharging water substantially free of oil, a plurality of baffles in said tank between said inlet and said outlet for causing the oil-bearing water to flow in an elongated path, a water operated motor positioned in the path of flow between said inlet and said outlet, an endless



blanket of oil absorbing material having a portion thereof positioned in said tank in the path of water flowing to said outlet, means actuated by said water operated motor for moving said blanket past the water in contact therewith, and means for removing liquid adsorbed by said blanket therefrom.

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2,117,274

**VEHICLE STORAGE SYSTEM**

Samuel E. Buettell, Chicago, Ill., assignor to Cross Parking Systems, Inc., a corporation of Illinois

Application May 21, 1928, Serial No. 279,515

11 Claims. (Cl. 214—16.1)



1. In an apparatus for handling automobiles and like vehicles, the combination with a movable platform, a truck like structure carried by said platform, a pair of lazy tongs connected to said platform and said truck like structure for moving said truck structure with respect to said platform.

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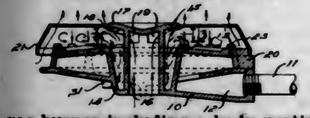
2,117,275

**GAS BURNER**

Rollin C. Dailey, Detroit, Mich., assignor to Benjohn Laboratories, Inc., Detroit, Mich., a corporation of Michigan

Application June 20, 1934, Serial No. 731,405

10 Claims. (Cl. 158—116)



1. A gas burner including a body portion having a gas chamber formed therein, a face portion, a plurality of jets extending through said face portion and communicating with said gas chamber, a conduit leading to said chamber and communicating with a source of gas supply to supply gas admixed with primary air to said chamber, a well, an air induction tube disposed in said well and spaced from the sides thereof, said induction tube being open at its lower end to induce secondary air to pass therethrough by thermo-convection and having a baffle member adjacent the top thereof to deflect the secondary air passing therethrough outwardly in the direction of adjacent concentrically disposed jets, said well being provided with a plurality of openings for admission of additional air therein.

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2,117,276

**DRAW-OFF CONNECTION FOR HEAT-INSULATED CONTAINERS**

Cortland W. Davis, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois

Application January 27, 1936, Serial No. 61,007

17 Claims. (Cl. 220—14)



17. A unitary double-walled receptacle including in combination a frangible container, a protective jacket of non-frangible material around and held in spaced relation with said container and heat-insulated therefrom, said jacket and said container each having an opening for connection with a draw-off conduit, and a metallic draw-off conduit connected with said openings, said conduit including between said container and said jacket a freely yieldable, non-frangible and shock-protecting structure.

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2,117,277

**METHOD OF PERFORATING CASINGS IN WELLS**

Joseph G. Dyer, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

Application January 18, 1937, Serial No. 121,040

2 Claims. (Cl. 255—1)



1. A method of perforating a well casing including the steps of positioning a whipstock within said casing, milling a portion of said casing



to form an opening, positioning an annular cutting head in said partially formed opening, jarring said cutting head to complete said opening, and continuously circulating an oil well fluid through said cutting means during said perforating operation.

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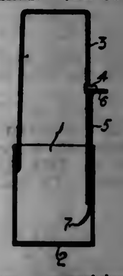
2,117,278

**FRUIT CORER**

George C. Ainsworth, St. Petersburg, Fla.

Application September 7, 1937, Serial No. 162,788

8 Claims. (Cl. 30—25)



1. A fruit corer, comprising a hollow body provided with a cutting edge, a handle secured to the body whereby the cutting edge of the body may be pressed into the fruit, a cutting blade movable up and down with respect to and carried by the body, the said blade having a lower portion of its body when the blade is moved downwardly.

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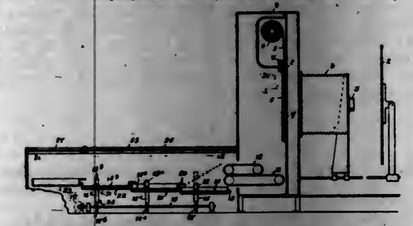
2,117,279

**PHOTOENGRAVING EQUIPMENT**

Samuel B. Ansell, Cleveland Heights, Ohio, assignor to The Cleveland Shopping News Company, Cleveland, Ohio, a corporation of Ohio

Application April 10, 1937, Serial No. 136,147

7 Claims. (Cl. 95—14)



1. In apparatus of the character described, a photo-engraver's copy-holder, lens system and grain screen, means for holding a sensitized element in exposure therebefore, an electric starter switch operated by discharge movement of the sensitized element holder, a motor and conveyor controlled by said switch, a developing tank for receiving said exposed sensitized element from the conveyor, a perforated plate to agitatively support the exposed element in the developing tank and finally discharge it therefrom, a motor for operating said perforated plate, a switch controlled by said conveyor motor equipment for starting the developing tank motor, a switch controlled by said developing tank equipment for shutting off said conveyor motor, a stopping tank to receive the exposed element from the developing tank, a perforated plate to agitatively support the exposed element in the stopping tank and finally discharge it therefrom, a motor for operating said stopping tank perforated plate, a switch controlled by said developing tank equipment for starting said stopping tank motor, a switch controlled by said stopping tank equipment for shutting off the developing tank motor, a fixing tank to receive the exposed element from the stopping tank, a perforated plate to agitatively support the exposed element in the fixing tank, and finally discharge it therefrom, a motor for operating said fixing tank perforated plate, a switch controlled by said stopping tank equipment for starting said fixing tank motor, a switch controlled by said fixing tank equipment for shutting off said stopping tank motor, a wash tank to receive the exposed element from said fixing tank, a switch controlled by said fixing tank equipment for shutting off the fixing tank motor, light-excluding cabinet housing about said means for holding the sensitive element and said developing, stopping and fixing tanks, and sight glass means for observation from the outside.

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2,117,280

**TRACK BODY**

Oskar Martin Alexander, Bad Bramstedt, Germany

Application October 10, 1936, Serial No. 105,113

In Germany October 31, 1935

8 Claims. (Cl. 94—7)



1. An artificial foundation comprising a layer of relatively hard material, an underlying layer of a material having a spongy, resilient nature when wet and a body of water maintained in contact with said spongy material for maintaining said spongy material substantially wet in order to give said foundation a vibratory character to shocks.

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2,117,281

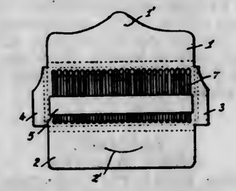
**MANUFACTURE OF MATCH BOOKS**

Eugenio Bravi, Milan, Italy, assignor to Societá An. Finanziaria Fiammiferi ed Affini, Milan, Italy

Application August 9, 1935, Serial No. 35,448

In Italy November 19, 1934

2 Claims. (Cl. 93—2)



1. The method of manufacturing a match book or package in a combined group of steps, which consists in continuously arranging match stems in spaced apart relation on a paper strip, superposing a second, gummed paper strip upon said stems and first paper strip, securing the second



strip to the first strip between the match stems

extended laterally from the portion of the

strip to the first strip between the match stems by corrugating said second strip in situ to form a match strip, superposing upon and mutually securing two match strips thus formed to each other, so that the corrugations of one match strip project between the corrugations of the other match strip to form a double match strip, disposing and securing a portion of the resulting double match strip thus formed upon a cover having flaps, and finally folding the flaps and completing the book.

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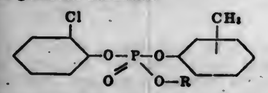
2,117,282
**FUSE SUBSTANCE AND ART OF PRODUCING SAME**
Frederick D. Austin, Port Chester, N. Y.
No Drawing. Application September 17, 1935, Serial No. 40,999
3 Claims. (Cl. 200—142)

1. A metallic fuse element consisting of an alloy of lead and the elements bismuth and tin, one of said elements being in eutectic proportion with the lead, and the other of said elements comprising 11½% or less by weight of the alloy so that the alloy will have rigidity under stress up to a predetermined temperature.

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2,117,283
**ORGANIC PHOSPHATES**
Shailer L. Bass, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 5, 1935, Serial No. 34,724
15 Claims. (Cl. 260—99.20)

1. In a method of making a triaryl phosphate having the general formula




wherein R represents a member of the class consisting of the cresyl and orthochlorophenyl groups, the step which consists in reacting an orthochlorophenyl phosphoric acid halide with a cresol.

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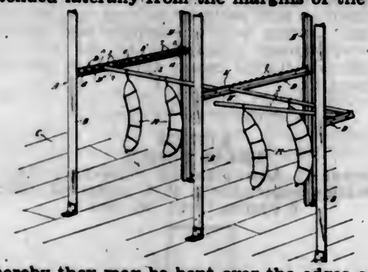
2,117,284
**NICKEL ANODE**
Clarence G. Bieber and Mortimer P. Buck, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 11, 1936, Serial No. 90,178. Renewed June 18, 1937
11 Claims. (Cl. 204—4)

1. A cast carbon bearing nickel anode comprising carbon about 1.00%, magnesium and titanium about 0.25 to 0.28% of each, silicon about 0.55%, cobalt about 0.35%, iron about 0.14%, copper about 0.10%, manganese about 0.12% and the balance nickel.

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2,117,285
**STICK HANGER**
John Bitner, St. Louis, Mo.
Application March 16, 1936, Serial No. 69,057
2 Claims. (Cl. 17—44.4)

1. In combination with an angle iron disposed and supported to receive the ends of sausage and meat sticks, a corrugated metal strip mounted on the angle iron and having spaced depressions to receive the ends of the sticks, and ears extended laterally from the margins of the strip



whereby they may be bent over the edges of the angle iron to secure the strip thereto.

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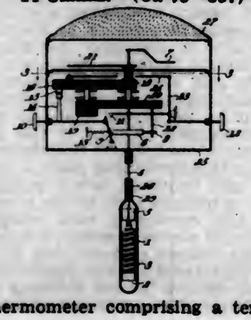
2,117,286
**GARTER CONSTRUCTION**
Ernest Bliesath, Kerry, Oreg.
Application July 14, 1936, Serial No. 90,525
3 Claims. (Cl. 24—248)



1. In a device of the class described, the combination of a body element, and a locking tongue hingedly secured to a bail, a tongue receiving hole disposed in the end of the body element, a manipulative tab secured to the rear end of the body of the locking tongue and said locking tongue being adapted for being passed through the hole of the body element when the bail is manipulated in a forward direction and for being manipulated out of the hole of the body element when the bail is moved in the opposite direction, and complementary pairs of locking jaws formed integral with the body element and tongue for locking the two members together when clamped upon a garment.

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2,117,287
**MEASURING DEVICE**
Franz Georg Blech, Leitmeritz, Czechoslovakia, assignor to Bota S. A., La Chaux-de-Fonds, Switzerland
Application June 2, 1936, Serial No. 83,145
In Czechoslovakia October 29, 1935
14 Claims. (Cl. 73—367)

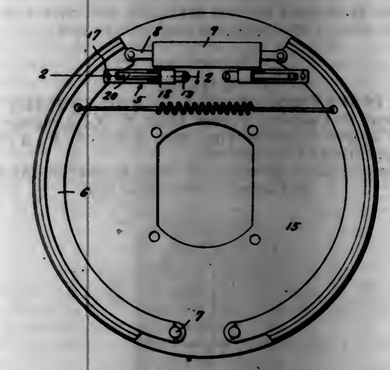


8. A thermometer comprising a temperature-responsive element of low torque, an indicating element operated by said temperature-responsive element, a second indicating element of a higher order of precision than said first-named indicating element, means operative independently of said temperature-responsive element for imparting movement to said second-named indicating element, and means for limiting the amount of movement of the second-named indicating element in accordance with the position of said temperature-responsive element.

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2,117,288
**BRAKE ADJUSTER**
Amos A. Blucher, Owings Mills, Md., assignor of one-half to Edward L. Blair, Westminster, Md.
Application June 16, 1937, Serial No. 148,594
2 Claims. (Cl. 188—79.5)



1. In combination with a brake shoe, an adjusting device, said adjusting device consisting of a shell, a member slidable in the shell, said shell and member being one anchored to the shoe and the other stationarily secured, means for operating the shoe, and pawl and ratchet means between the shell and the slidable element, said pawl and ratchet means consisting in the provision of oblique teeth on the slidable member at opposite sides thereof, strip springs on the said shell, said shell being provided with openings in which the free ends of the springs can project and engage the teeth.

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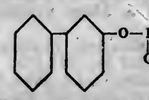
2,117,289
**METHOD OF PREPARING A SURFACE**
David A. Bosley, Jr., Lakewood, Ohio, assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Original application May 26, 1933, Serial No. 673,107. Divided and this application December 17, 1934, Serial No. 757,892
3 Claims. (Cl. 91—68)

3. The method of preparing a surface which consists in applying a primer containing as an essential ingredient a pigment as hard as or harder than silicon carbide (carborundum) and aluminum oxide (alundum), applying over the primer a sanding surfacer, drying the surfacer, and smoothing the surface with an abrasive which will abrade the surfacer without substantially affecting the primer.



2,117,290
**META-XENYL PHOSPHORIC ACID DERIVATIVES**
Edgar C. Britton and Shailer L. Bass, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application January 6, 1936, Serial No. 57,783
15 Claims. (Cl. 260—99.20)

1. In a method of preparing an organo-derivative of phosphoric acid having the general formula:

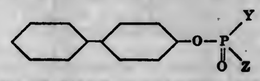



wherein Y and Z each represent a member of the group consisting of halogen and aryloxy groups, the step which consists in reacting a phosphorus oxyhalide with a compound selected from the class consisting of meta-xenol and alkali metal salts thereof.

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2,117,291
**PARA-XENYL PHOSPHORIC ACID DERIVATIVES**
Edgar C. Britton and Shailer L. Bass, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application January 13, 1936, Serial No. 58,927
14 Claims. (Cl. 260—99.20)

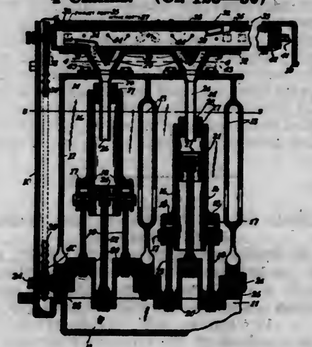
1. In a method of preparing an organo-derivative of phosphoric acid having the general formula,




wherein Y and Z each represent a member of a group consisting of halogen and the aryloxy groups other than ortho-xenoxy, the step which consists in reacting a phosphorus oxyhalide with a compound selected from the class consisting of para-xenol and alkali metal salts thereof.

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2,117,292
**INTERNAL COMBUSTION ENGINE**
Vernon D. Brott, Franklin Park, Ill.
Application May 23, 1933, Serial No. 672,520
4 Claims. (Cl. 123—50)



1. An internal combustion engine comprising cooperating reciprocating cylinder and reciprocat-

ing piston and double throw crank shaft member operatively connected with said cylinder and piston; a stationary combined intake and exhaust pipe passing through the head of said cylinder upon which said cylinder head reciprocates; and valve means for supplying said cylinder with fuel and exhausting it through said pipe.

## 2,117,293

### PLASTICIZER AND METHOD FOR MANUFACTURING

Herman Alexander Bruson, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application September 15, 1934, Serial No. 744,169
14 Claims. (Cl. 260—2)

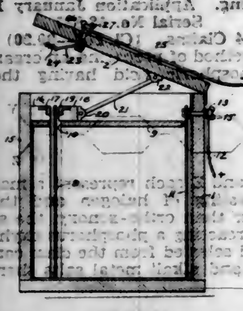
1. An air-blown product of the completely esterified crotonic acid ester of a polyhydric aliphatic alcohol which can be distilled in vacuum without decomposition.

## 2,117,294

### ELECTROLYTIC FILM REMOVING APPARATUS

John J. Dechase, Fortress Monroe, Va.

Application March 11, 1936, Serial No. 68,283
7 Claims. (Cl. 204—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for the electrolytic treatment of photographic plates comprising a glass lined tank provided with a hingeable cover, a metal electrode, an inner cover plate, a removable electrode comprising a photographic plate, clamping members and intermediate clamping means operatively connecting one of said clamping members with said cover, adapted to clamp the lateral surfaces of said photographic plate on closure thereof; means attached to said cover adapted to contact said photographic plate on closure of said cover, and means for connecting said fixed electrode and removable electrode in an exterior circuit.

## 2,117,295

### METHOD OF AND MEANS FOR MAKING RECEPTACLES

Harold S. Buckingham, New York, N. Y., assignor to American Sealcone Corporation, New York, N. Y., a corporation of New York

Application January 24, 1936, Serial No. 60,645
42 Claims. (Cl. 93—39.2)

1. The method of making receptacles, which comprises providing a tubular body, positioning opposite wall portions at one end of the body toward each other to provide an elongated opening at said end, and while holding the body exteriorly thereof in said condition securing a closure disk in the opposite end of the body.

## 2,117,296

### DISPENSING PACKAGE FOR LIQUIDS

Brent F. Cahoon, Forest Hills, N. Y., assignor to Captive Closures, Inc., New York, N. Y., a corporation of Delaware

Application September 16, 1936, Serial No. 101,046
38 Claims. (Cl. 221—147)



1. In a dispensing package for liquids, and in combination, a container having a neck, a skirted cap associated therewith, inter-engaging elements respectively associated with the cap skirt and the container neck for releasably holding the cap in closed position, said cap being capable of a reciprocating axial movement with respect to the container neck when said inter-engaging elements are disengaged, means for limiting such movement, a barrel extending into the container neck and having a controlled inlet port, a plunger operating in said barrel, an operating connection between said plunger and the cap, whereby the plunger is reciprocated upon axial reciprocation of the cap, said cap and plunger having a discharge passage for the expulsion of the liquid, and means for closing said discharge passage when the cap is in closed position.

## 2,117,297

### PRE-INJECTION FLUID

Charles M. Casteel, Spokane, Wash., assignor to The Chemical Corporation, Spokane, Wash.

No Drawing. Application July 16, 1935, Serial No. 31,624
1 Claim. (Cl. 27—21)

A pre-injection fluid comprising sodium borate effective as a blood solvent; glycerine to maintain the flexibility of the blood vessels; magnesium sulphate effective as an osmotic; and trichlorbutyl alcohol effective as a mild astringent.



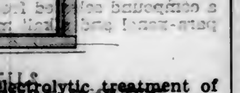
## 2,117,298

### CYCLOHEXENE DERIVATIVES

Walter G. Christiansen, Glen Ridge, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application September 15, 1934, Serial No. 744,198

1. Compounds having the general formula



wherein X represents a halogen, R represents a member of the class consisting of alkyl, monocyclic aryl and monocyclic aralkyl, and Z represents a member of the class consisting of

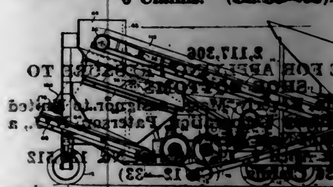


## 2,117,299

### ROCK CRUSHING MACHINE

Julius Carpenter, Minneapolis, Minn., assignor to Pioneer Iron Works, Incorporated, Minneapolis, Minn.

Application December 13, 1935, Serial No. 54,252
6 Claims. (Cl. 83—23)



1. In a machine for applying pressure to shear rock, crushing mechanism, the combination of a screening device on which the material to be treated is delivered, and through which the portions of the material which are sufficiently fine pass, crushing mechanism which receives the portions of material too coarse to pass through said screening device, means for delivering said portions that do not pass the screening device to said crushing mechanism, an inclined open center saucer-like conveyor for receiving the crushed material, receiving means passing through said saucer-like conveyor for delivering to said screening device, means for delivering the crushed material from said crushing mechanism to said saucer-like conveyor and means for rotating said saucer-like conveyor whereby the material carried upwardly thereby is delivered to said receiving means through said open center.

## 2,117,301

### APPARATUS FOR PRODUCING PHOSPHORUS

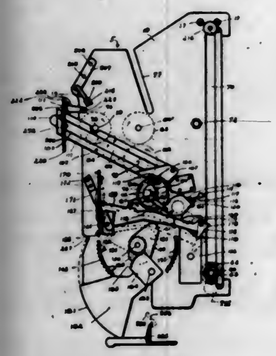
Harry A. Curtis, Knoxville, Tenn., and Raymond L. Copson, near Sheffield, Ala.

Application December 7, 1935, Serial No. 53,325
4 Claims. (Cl. 13—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. An enclosed electric furnace for the reduction of an ore with a solid carbonaceous reducing agent in the presence of a flux, which comprises in combination with the furnace shell and hearth, an inlet in the top of the furnace shell for the admission of the solid carbonaceous reducing agent to form a column of the charge within the shell; a plurality of electrodes insulated in the wall of the furnace above and adjacent to the molten bath in the hearth and making contact with the solid carbonaceous reducing agent so that the latter, free from the ore and the flux portion of the charge, serves as an electrical resistor upon the application of an electric current to the electrodes; an inlet on one side of the hearth for the admission of the ore and the flux in a molten condition to the furnace at an elevation below the electrodes; an outlet to the hearth substantially opposite the above inlet for the withdrawal of slag; an outlet below and adjacent to the last mentioned outlet for the withdrawal of the metal or metal alloy produced; a furnace wall of such a height that ratio of the maximum depth to which the melt on the hearth is to be maintained to the distance from the top of the melt so maintained to the top of the furnace is inversely proportional to the ratio of the density of the melt to the density of the solid carbonaceous material charged; and an outlet for the reduction furnace gas through the furnace shell above the elevation of the electrodes.

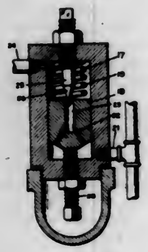
mounted off center and above said opening within said casing, whereby to close said opening, a gear rack attached to said cover, a pinion meshing with said gear rack, locking plate connected to turn with said pinion, a trip member having



a pawl pivotally mounted thereto for engaging said locking plate, and means for actuating said trip member, whereby said pawl will release the locking plate to allow said cover to fall into closed position.

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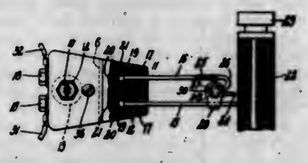
**2,117,303**
**CONSTANT LEAKAGE SYSTEM FOR HYDRAULIC APPARATUS**
**Richard W. Dinzl, Narberth, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware**
**Application December 23, 1933, Serial No. 703,862**
**1 Claim. (Cl. 137—152)**



A constant speed mechanism for a hydraulic loading system comprising, in combination, a main pipe through which fluid is supplied to the system, a valve mechanism having a casing and a piston therein, a passage for bypassing fluid out of said pipe to one end of said casing beneath said piston, a free atmospheric outlet communicating with the other end of said casing above said piston whereby the top of the piston is subjected to atmospheric pressure, means on the top of said piston for mechanically biasing the same against the pressure acting on the bottom of the piston, an orifice for allowing flow of pressure fluid from the under side of the piston to the top atmospheric side thereof, and means responsive to movement of said piston caused by progressive increases of pressure in said main pipe for automatically progressively restricting said orifice so as to maintain a substantially constant rate of flow through said pipe.

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**2,117,304**
**ELECTRIC FEELER MECHANISM FOR LOOMS**
**Sherwood O. Dodge, Medford, Mass., assignor to Guaranteed Parts, Inc., Allston, Mass., a corporation of Massachusetts**
**Application June 15, 1937, Serial No. 148,287**
**8 Claims. (Cl. 139—273)**



1. In an electric feeler mechanism for looms, the combination of a support having an insulating material embodied therein, two feeler members spaced apart laterally in said insulating material and both arranged to engage the filling upon a bobbin during a detecting beat, one of said feeler members having an independently movable end portion embodied therein arranged to contact with the other feeler member to close an electric circuit therebetween when engaged by the bare surface of a substantially exhausted bobbin.

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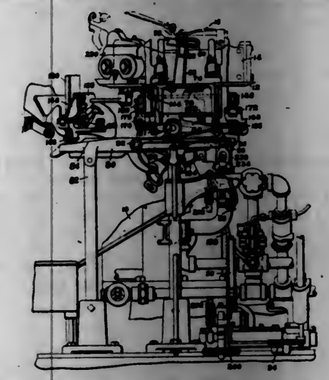
**2,117,305**
**PROTECTION OF FOOTWEAR AND OTHER ARTICLES**
**Adrian H. Feikert, Akron, Ohio, assignor to American Anode, Inc., Akron, Ohio, a corporation of Delaware**
**No Drawing. Application July 9, 1935, Serial No. 30,517**
**8 Claims. (Cl. 12—142)**

1. A method of manufacturing an article of footwear including easily damaged material to which dried rubber cement does not adhere so tenaciously as to render subsequent stripping impossible, which comprises applying to said easily damaged material a thin coating of rubber cement, superposing a coating of an aqueous dispersion of rubber, drying the aqueous dispersion to provide an adherent but strippable protective coating of rubber upon said material, incorporating the coated material into an article of footwear, and thereafter stripping the protective coating from the article.

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**2,117,306**
**MACHINE FOR APPLYING PRESSURE TO SHOE BOTTOMS**
**Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey**
**Application April 7, 1937, Serial No. 135,512**
**36 Claims. (Cl. 12—33)**

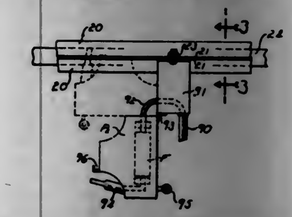
1. In a machine for applying pressure to shoe bottoms, the combination of a pad box provided with a pad, means mounted on the pad box for relatively positioning a sole and shoe on the pad, means for pressing the sole and shoe against the pad, and means for withdrawing the positioning



means from operative position during the pressing operation.

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**2,117,307**
**ELECTRICAL DISTRIBUTION SYSTEM**
**William H. Frank and Joseph W. Harper, Detroit, Mich.**
**Original application January 29, 1936, Serial No. 61,290. Divided and this application August 6, 1937, Serial No. 157,670**
**4 Claims. (Cl. 247—3)**



1. A distribution system including a bus bar conduit and a branch outlet device secured thereto, the device comprising a sheet metal box-like stationary portion secured to the conduit and formed to permit the sheath of a group of branch circuit conductors to be secured thereto and to permit the branch circuit conductors to enter the stationary portion through the sheath and to leave the stationary portion for connection to plug prongs, the branch outlet device also including a plug hingedly mounted at one end on and with respect to the stationary portion and having at its free end the aforesaid plug prongs, to which the terminals of the branch conductors are connected.

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**2,117,308**
**CONNECTER**
**Frank W. Frey, Chicago, Ill., assignor, by direct and mesne assignments, to Superior Fastener Corporation, Chicago, Ill., a corporation of Illinois**
**Application March 15, 1935, Serial No. 11,263**
**11 Claims. (Cl. 85—11)**

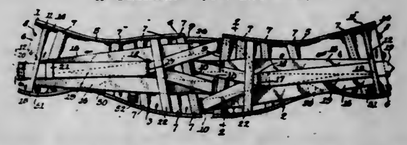
2. A connecter comprising a body portion and a series of piercing elements grouped at opposite ends of said body portion, said piercing elements being bent substantially perpendicular to said body portion and having their tips curved outwardly from their plane to cause penetration at an angle in a direction longitudinally of said body portion, certain of said piercing elements in



each group being adapted to oppose each other in angular direction of penetration and having their tips spaced apart a distance equal to their spaced distance at said body portion.

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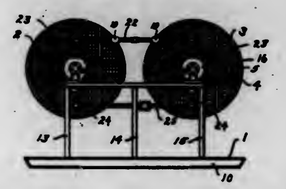
**2,117,309**
**BELT SUPPORT**
**Lewis A. Fritsch, Cincinnati, Ohio**
**Application October 20, 1936, Serial No. 106,659**
**2 Claims. (Cl. 128—78)**



1. In a device of the class described, a belt comprising members having a space therebetween at the back of the belt, means operable from the front of the belt for drawing said members toward each other at the back of the belt, a pad secured at one end to one member of the belt and bridging said space, and a pocket carried by the other member of the belt and receiving the opposite end of the pad for sliding adjustment, said means being free from the pad, the pad being resilient but stiff enough so that said opposite end thereof can slide in the pocket without buckling.

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**2,117,310**
**FAN UNIT**
**John C. Garrott, Houston, Tex.**
**Application July 10, 1937, Serial No. 152,881**
**14 Claims. (Cl. 230—253)**



1. A portable fan unit comprising a support, a vertical bearing member at each end of said support, a fluid motor casing pivotally mounted in each of said bearing members about axes transversely of the motor shafts, means for locking said motor casings against rotation within said bearing members, fluid inlet and outlet pipes extending outwardly from each of said casings and coaxial with its bearing member, an intake fluid manifold extending between said inlet pipes, an outlet fluid manifold extending between said outlet pipes, and rotatable connections between said manifolds and said pipes so constructed and arranged that said motor casings may be rotatably positioned upon said support.

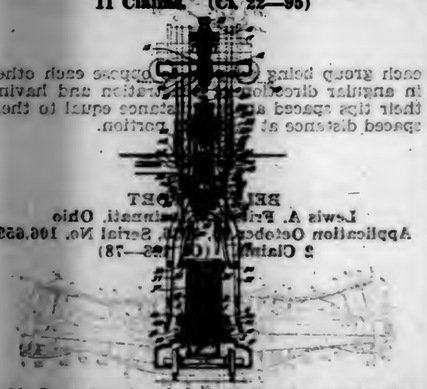
2,117,311

**APPARATUS FOR STRIPPING INGOTS FROM MOLDS**

**Edward Gathmann, Baltimore, Md., assignor to Gathmann Research Incorporated, Catonsville, Md., a corporation of Maryland**

**Application May 13, 1935, Serial No. 21,246**

**11 Claims. (Cl. 22—95)**



11. In apparatus for partially stripping an ingot from a mold, the combination of a mold stool; means for positively moving the mold in two mutually opposed directions; stool-holding means provided for movements into and out of stool-holding position; and stripping means, including an abutment carried by the stool and being movable from inoperative position to operative stripping position with respect to both the mold and stool simultaneously in response to movement of the holding means to stool-holding position.

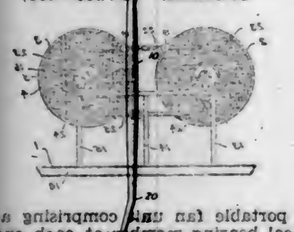
2,117,312

**SURGICAL INSTRUMENT**

**Edward Gauly, Cleveland, Ohio**

**Application April 2, 1936, Serial No. 72,121**

**2 Claims. (Cl. 128—303)**



1. A surgical instrument for operating on the eye comprising an elongated handle portion, a stem portion secured to one end of the handle and having a longitudinal axis disposed at an angle to the longitudinal axis of the handle, and a head at the end of the stem, said head being transparent and in the form of a substantially U-shaped crook with the crook opening substantially parallel to the stem axis and legs of the crook substantially in the plane of the handle and stem axes, said legs positioned between the axes with the portion of the crook opposite the opening adjacent the handle axis whereby rotation of the instrument about the handle axis causes the crook opening to describe an arc about said axis and the portion of the crook opposite the opening to describe a shorter arc about the handle axis than said crook opening arc, whereby the instrument may be manipulated in a lens delivery movement by rotation about the handle axis.

2,117,313

**SIGNALING APPARATUS MORE PARTICULARLY FOR RAILWAYS**

**Louis Girardin, Zele-Saint Ouen, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania**

**Application October 11, 1934, Serial No. 747,882**

**In France November 30, 1933**

**1 Claim. (Cl. 177—311)**



In combination with an electrical device, an indicating lamp, a direct current indicating relay which has two windings and is non-responsive to alternating current, a transformer, a circuit including in series said device, one winding of said relay and the primary of said transformer, a switching relay, means effective when said switching relay is in one position to supply alternating current to said circuit to energize said device and said transformer, means effective when said switching relay is in another position to supply direct current to said circuit to energize said device and said indicating relay, a circuit including the other winding of said indicating relay, the secondary of said transformer and a rectifier for energizing said indicating relay when alternating current is supplied to the primary of said transformer, and a contact operated by said indicating relay for controlling said lamp to indicate a predetermined reduction in the current supplied to said device, irrespective of the position of said switching relay.

2,117,314

**GAS HOLDER**

**Thomas M. Goodrich, Albany, N. Y.**

**Application September 20, 1934, Serial No. 744,219**

**2 Claims. (Cl. 220—1)**



1. A closed fluid pressure tank consisting of relatively thin enclosing walls, said tank comprising an upper body portion and a substantially flat bottom both having sufficient tensile strength in their walls to inherently withstand the internal gas pressure, said body throughout its major portion being substantially hemispherical in shape, said bottom at its annular periphery being sealed and anchored to the body portion substantially in the region of its greatest horizontal periphery, whereby on account of the stresses in the aforesaid horizontal periphery the tank bottom is stretched and maintained in a substantially horizontal condition.



2,117,315

**PROCESS OF IMPROVING SOYA BEANS**

**Fritz Gösel, Frankfort-on-Main, Germany, assignor to General Soya Corporation, New York, N. Y., a corporation of Delaware**

**No Drawing. Application December 11, 1933, Serial No. 702,318. In Germany December 22, 1932**

1. The process of improving soya beans which comprises adjusting the moisture content of the unmilled beans to about 10 to 15%, coating the beans with a thin layer of a protective oil to protect the beans against oxidation and heating the beans while subjecting them to agitation in a gaseous atmosphere to effect removal of or changes in objectionable volatile constituents from the beans without overheating and injury to the valuable food constituents of the beans.

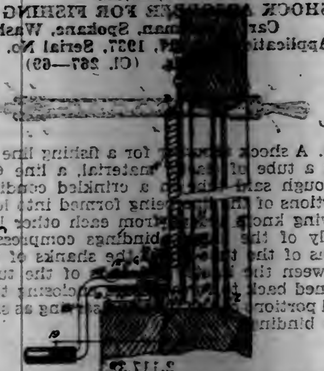
2,117,316

**WINDOW LOCK**

**John S. Gullborg, Chicago, Ill.**

**Application June 1, 1937, Serial No. 145,655**

**1 Claim. (Cl. 268—122)**



In combination with a window frame and two vertically slidable sashes of which the lower is movable relatively to the upper sash, (a threaded) rod normally disposed with its lower end in said collar and thereto pinned in non-rotative relation, a stamped upper bracket having a flat part for attachment to the upper rail of the upper sash and having a socket part receiving the upper end of said rod, a bracket secured to the upper rail of the lower sash and supporting a nut surrounding and in threaded engagement with said rod, a bevel gear integral with said nut, said last mentioned bracket supporting a second bevel gear in mesh with said first bevel gear, said second bevel gear having an elongated horizontally disposed hollow hub with the inner portion of the hub adjacent the gear of polygonal cross-section and with the balance of the interior of the hub cylindrical, a removable crank having an end of polygonal formation shaped to fit with the polygonal section of said hub in driving relation, the construction being such that when the crank is removed the polygonal section of the hub is so remote from the hub entrance end of the hub that an unauthorized tool such as a screwdriver cannot readily be inserted in the hub by a person on the outside of the window to open the window.

2,117,317

**BULLET HOLE GAUGE**

**Frederick Mortimer Lister and Charles M. Lister, Washington, D. C., assignors to National Rifle Association, Washington, D. C., a corporation of New York**

**Application February 8, 1937, Serial No. 124,718**

**2 Claims. (Cl. 33—178)**



1. A bullet hole scoring gauge for targets and the like comprising an elongated relatively stiff shank, a small scoring plug rigidly mounted on the end of the shank, a larger plug slidable along the shank toward and from the smaller one, each plug comprising a cylindrical target penetrating portion, a frusto-conical portion tapering from one end of the cylindrical portion to a smaller diameter than the cylindrical target penetrating portion, the larger of the two plugs having a cylindrical bore of substantially the same diameter as and substantially the same depth as the cylindrical target penetrating portion of the smaller plug, whereby when the plugs are brought together the nose of the larger one is just filled by the nose of the smaller to permit the smaller plug to serve as a target penetrating guide for the larger.

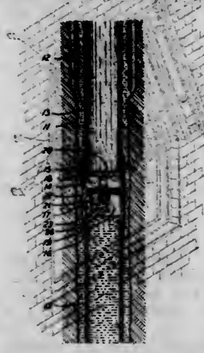
2,117,318

**CASING FLOAT COLLAR**

**Dean Haley Duncan, Okla., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.**

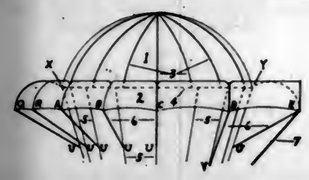
**Application January 9, 1937, Serial No. 119,797**

**4 Claims. (Cl. 166—9)**



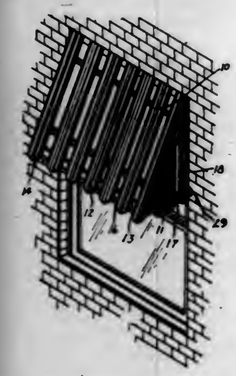
1. Apparatus for floating a string of casing into an oil well or the like and including a metallic member adapted to be made up with the casing, and valve means securely mounted in said member, said valve means consisting of an upper plug and a lower plug made of cementitious material, a valve body of drillable material confined between said plugs and adapted to have limited movement with respect thereto, a cup member of non-metallic, resilient yieldable material mounted beneath the upper of said plugs and constituting a seat for said valve body and also constituting sealing means for preventing the flow of fluid upwardly between said upper cementitious plug and said metallic member.

**2,117,319**
**PARACHUTE APPARATUS**
**Richard H. Hart, New Orleans, La.**
**Application July 19, 1937, Serial No. 154,358**
**8 Claims. (Cl. 244—145)**



1. A parachute having a canopy and suspension means, said canopy being of flexible material and of any convenient shape, and having above the plane of its lowest periphery venting means so contrived and arranged that there may be vented therefrom a more-or-less horizontal column of air, such column of air being not perpendicular to the vertical axis of the parachute but tangent instead to a circle circumscribed about the vertical axis of the canopy, such venting means having closing means connected therewith capable of operation by the person suspended from the canopy, and such venting means being capable of imparting horizontal rotation to the parachute.

**2,117,320**
**AWNING**
**Orrin E. Hawley, Dallas, Tex.**
**Application January 5, 1935, Serial No. 522**
**10 Claims. (Cl. 156—15)**



1. An awning comprising, transverse supports, upper spaced slats fastened to the upper sides of the supports, lower spaced slats fastened to the underside of said supports, the lower slats relatively overlapping the upper slats, whereby air may freely circulate between said upper and lower slats, while the direct passage of water is prevented, said upper slats having water conductors extending down their upper surfaces for carrying rain and snow water down said slats, supporting bars hinged at the ends of said transverse supports, other spaced slats fastened to said supporting bars, said other spaced slats having water conductors extending down their upper surfaces for carrying rain and snow water down said slats.

**2,117,321**
**MANUFACTURE OF NEW POLYMERIZATION PRODUCTS**
**Rowland Hill, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain**
**Application December 1, 1932, Serial No. 645,318**
**In Great Britain December 2, 1931**
**17 Claims. (Cl. 260—2)**



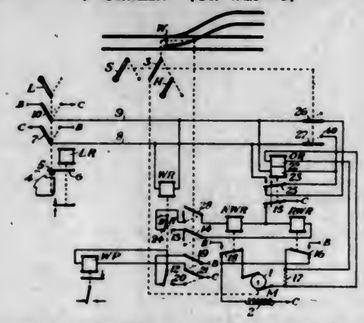
1. Process for the manufacture of new polymerization products comprising subjecting to polymerizing conditions, a mixture containing methyl methacrylate and at least one other unsaturated polymerizable ester.

**2,117,322**
**SHOCK ABSORBER FOR FISHING LINES**
**Carl J. Hillman, Spokane, Wash.**
**Application July 17, 1937, Serial No. 154,289**
**2 Claims. (Cl. 267—69)**



1. A shock absorber for a fishing line comprising a tube of elastic material, a line extending through said tube in a crinkled condition, end portions of the line being formed into loops each having knots spaced from each other longitudinally of the shank, bindings compressing portions of the tube about the shanks of the loops between the knots, and ends of the tube being turned back to form sleeves enclosing the bound end portions of the tube and serving as shields for the bindings.

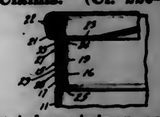
**2,117,323**
**RAILWAY SWITCH CONTROLLING APPARATUS**
**Claude M. Hines, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania**
**Application November 6, 1935, Serial No. 48,523**
**7 Claims. (Cl. 246—3)**



1. In combination, an overload relay having a pick-up winding and a holding winding, a motor rendered inoperative when said overload relay is picked up, means for connecting said pick-up winding to said motor whereby said overload relay is picked up when the current in said motor exceeds a predetermined amount, means including a back contact of said overload relay for closing a shunt path around said holding winding whereby said relay is made slow to pick up, means operative when said relay is picked up for energizing said holding winding, and other means for removing said shunt path and for then energizing said holding winding whereby said overload relay is caused to pick up independently of the current in said motor.

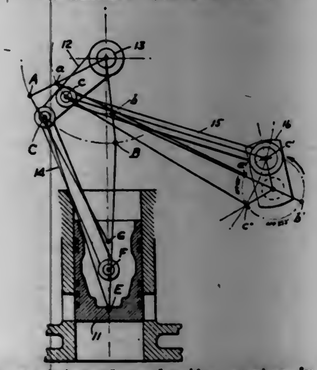


**2,117,324**
**CONTAINER**
**John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey**
**Application December 11, 1935, Serial No. 53,973**
**6 Claims. (Cl. 220—54)**



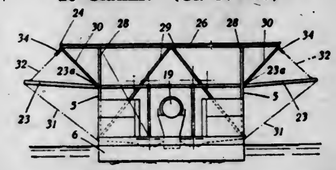
1. A sheet metal container, comprising a body having a tearing strip formed in a side wall thereof, an internal collar band formed integrally with said side wall, an end closure permanently joined to said body, and an annular flange member integrally formed with said body side wall and embraced in the seam connecting said end closure to said body, said flange member providing a cover flange utilizing said collar band as a friction base for supporting the reclosure cover produced by removal of said tearing strip.

**2,117,325**
**VALVE MECHANISM FOR INTERNAL COMBUSTION ENGINES, COMPRESSORS, AND THE LIKE**
**Cecil D. Howard, Swarthmore, and Frank R. Maxwell, Rose Valley, Pa., assignors to Sun Shipbuilding and Dry Dock Company, Chester, Pa., a corporation of Pennsylvania**
**Application August 12, 1936, Serial No. 95,702**
**2 Claims. (Cl. 230—222)**



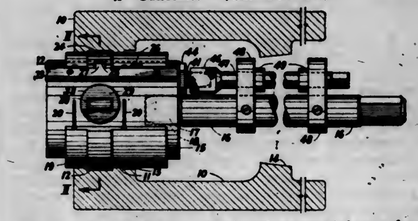
1. In an internal combustion engine, in combination, a working cylinder, a working piston in said cylinder, a crank shaft, means connecting said working piston with said crank shaft, a passage communicating with the interior of the cylinder, a reciprocable piston valve adapted for the control of said passage, a second crank shaft, means affording a connection between said valve and said second crank shaft including a toggle extending between and pivotally connected to said valve and a fixed pivot and a connecting rod connecting said second crank shaft with said toggle at a point adjacent to the fixed pivot, and means connecting said two crank shafts whereby said second crank shaft is rotated to effect reciprocation of said valve through said connecting rod and toggle, the toggle and said connecting rod connecting said second crank shaft with the toggle being so proportioned and arranged that in the rotation of the second crank shaft through an arc of about 253° the said piston valve will move relatively slowly and so that in the rotation of the second crank shaft through an arc of about 107° the piston valve will move relatively rapidly.

**2,117,326**
**DREDGE**
**Gerald Hillsdon Hutton, London, England**
**Application March 10, 1937, Serial No. 130,201**
**In Great Britain May 14, 1936**
**10 Claims. (Cl. 37—69)**



1. A dredge comprising a bifurcated pontoon, a superstructure on the pontoon, a ladder mounted by its upper end pivotally about a horizontal axis on the superstructure and extending through the bifurcation, means carried by the ladder for digging submerged earth, and means transversely bridging the bifurcation for raising and lowering the free end of the ladder for varying the depth of digging and for lifting the ladder and digging means entirely above the water line, in combination with lateral bracing means for the ladder comprising anchorage means adjacent the bottom of the ladder, pivotal anchorage means located at a distance from each side of said superstructure and in line with said pivotal axis, and guys extending from said first mentioned anchorage means to said last mentioned anchorage means so as to be clear of the outer sides of the pontoon in all positions of the ladder.

**2,117,327**
**BORING MACHINE**
**Ivan H. Ihm and Charles F. Tuttle, Richmond, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware**
**Application March 12, 1935, Serial No. 10,622**
**2 Claims. (Cl. 77—58)**



1. A tube seat grooving tool comprising a body, a radially extensible cutter on said body, a guide

means for said body comprising a longitudinally split bushing adapted to be received within said tube and used to engage a groove therein, means for holding said bushing in place in said tube seat prior to the insertion of said body and means effectively connecting said body and said guide means to space said body and said cutter longitudinally in said tube seat with regard to the groove engaged by said guide means.

**2,117,328**

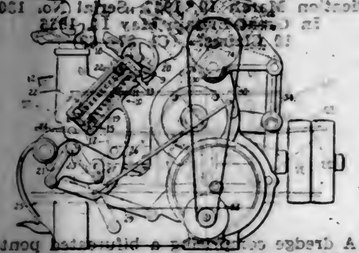
**SHOE-BOTTOM-PRESSING MACHINE**

**Arthur Ernest Jarram, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey**

**Application April 21, 1937, Serial No. 138,200**

**In Great Britain May 15, 1936**

**9 Claims. (Cl. 12—36)**



**2,117,329**

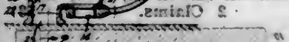
**SUCTION NOZZLE**

**Anders Emilsson-Jonn, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware**

**Application June 26, 1936, Serial No. 87,383**

**In Switzerland July 2, 1935**

**3 Claims. (Cl. 15—155)**



1. A suction nozzle including a hollow body portion formed with a large suction opening and an outlet opening adapted to be connected to a source of suction, and a small nozzle member rotatably mounted in said body portion and formed with a restricted suction opening, said body portion and said small nozzle member being formed with complementary valve structure whereby rotation of said small nozzle member establishes communication selectively between said large suction opening and said outlet opening and between said restricted suction opening and said outlet opening.

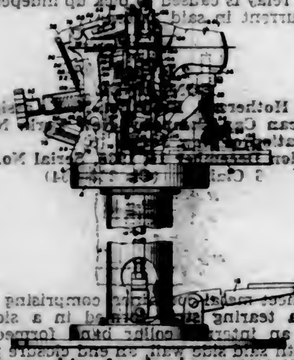
**2,117,330**

**METHOD AND MACHINE FOR USE IN SHAPING UPPERS OVER LASTS**

**Bernard Jerome Marble, Manchester, and Ralph Forsaith, Marblehead, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey**

**Application January 14, 1937, Serial No. 120,506**

**55 Claims. (Cl. 12—142)**



1. In a lasting machine, end-lasting members movable lengthwise and laterally of a shoe to lay the marginal portion of the upper inwardly over an insole around an end of the shoe, and side-lasting members arranged to assume positions relatively to the shoe determined by the operative movements of said end-lasting members and movable independently of the end-lasting members to lay the marginal portion of the upper



over the insole from the extreme edge of the insole inwardly on the side of the shoe beyond the end portion.

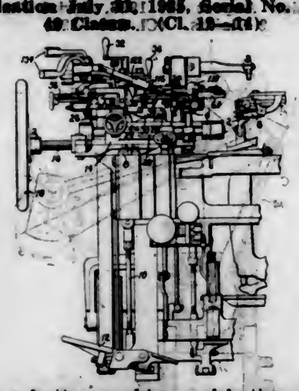
**2,117,331**

**LASTING MACHINE**

**Jacob C. Jorgensen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey**

**Application July 22, 1935, Serial No. 32,057**

**49 Claims. (Cl. 12—14)**



1. In a lasting machine, end-lasting members movable lengthwise and laterally of a shoe to lay the marginal portion of the upper inwardly over an insole around an end of the shoe, and side-lasting members arranged to assume positions relatively to the shoe determined by the operative movements of said end-lasting members and movable independently of the end-lasting members to lay the marginal portion of the upper

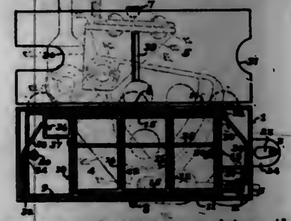
**2,117,332**

**ICE CREAM FREEZER**

**Raymond M. Kaufmann, Pittsburgh, Pa., assignor to Minnie S. Kaufmann, Pittsburgh, Pa.**

**Application August 16, 1937, Serial No. 159,295**

**15 Claims. (Cl. 259—112)**



1. An ice cream freezer comprising, the combination of a receptacle, a freezing element mounted for reciprocation in said receptacle, a power driven element, a lower element, means carried by said power driven element and engaging said upper element for imparting reciprocal movements to the latter in directions opposite to the reciprocal movements of said lower element, and means for maintaining said upper element in contact with the bottom of said receptacle.

**2,117,333**

**SHOE AND METHOD OF MAKING THE SAME**

**Harry O. Klaus, Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey**

**Application July 7, 1937, Serial No. 151,877**

**10 Claims. (Cl. 12—142)**



1. The method of making a shoe, the upper of which comprises spaced portions which are attached to the sole-attaching face of the insole, said method comprising providing upon said face, prior to the lasting operation, a predetermined pattern of spaced coatings of cement, said coatings occupying the positions at which the ends of the spaced portions of the upper are to be attached, coating said ends of said portions with cement, overlasting them, pressing them down upon the coatings and completing the manufacture of the shoe including attaching the outsole.

**2,117,334**

**MONOAZO DYESTUFFS AND THEIR PRODUCTION**

**Arthur Howard Knight, Blackley, England, assignor to Imperial Chemical Industries, Limited, a corporation of Great Britain**

**No Drawing. Application May 27, 1936, Serial No. 82,048**

**In Great Britain June 4, 1935**

**12 Claims. (Cl. 260—96)**

3. Monoazo dyestuff produced by coupling a diazotized compound of the group consisting of 2,4,6-trinitro-1-aminobenzene and the homologues thereof with a coupling component represented by the formula



in which R' is one of the group consisting of hydrogen and alkyl, and R'' is sulphatoalkyl.

**2,117,335**

**SCALE PENCIL HOLDER**

**Oscar W. Koch, Fort Riley, Kans.**

**Application June 21, 1937, Serial No. 149,443**

**3 Claims. (Cl. 120—9)**

**(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)**



1. A holder for writing implements comprising a split tubular body of resilient material having one end formed with a plurality of fingers and capable of freely receiving a writing implement, a locking sleeve slidably mounted on said fingers and means on certain of said fingers for retaining said locking sleeve thereon.

**2,117,336**

**LASTING MACHINE**

**Joseph C. Lisbon, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey**

**Application November 2, 1935, Serial No. 48,143**

**9 Claims. (Cl. 12—2)**



1. In a lasting machine, the combination with means for shaping an upper over a last, fastening-inserting mechanism movable to lay the marginal portion of the upper inwardly over a sole on the last in lasting either with fastenings or with cement, and means for preventing insertion of fastenings by said mechanism in lasting a shoe with cement, of a pounding movable under control of the operator into such relation to said fastening-inserting mechanism as to move inwardly over the sole with that mechanism into position to pound the margin of the upper laid inwardly over the sole by said mechanism in lasting with cement, and mechanism for delivering a blow to operate said pounding means after it has thus been moved inwardly over the sole.



**2,117,337**

**EVAPORATOR**

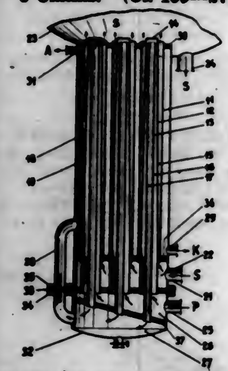
brakes for cars, the combination with a swinging member provided with a hub portion by which



ing gear connected with both said last mentioned

a double-walled side and constructed to fit snugly

**2,117,237**
**EVAPORATOR**
**Karel Löbl and Karel Kmr, Prague, Czechoslovakia**
**Application May 20, 1936, Serial No. 80,794**
**In Czechoslovakia November 3, 1934**
**5 Claims. (Cl. 159—27)**



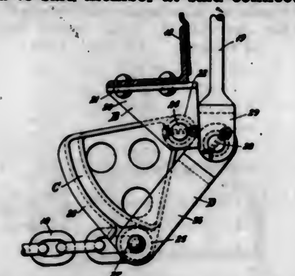
3. In a vertical evaporator the combination of: a vertical container having two substantially horizontal perforated partition walls and a plurality of outer heating tubes open at both ends and fixed in said partition walls and having a lower end flange; a plurality of inner heating tubes located within said outer heating tubes, said tubes being closed at the top and open at the lower ends and fixed to a perforated plate adapted to be fixed to the end flange of said container; a casing having an upper end flange for connection to said plate and said end flange, said casing being subdivided into two compartments by a perforated partition wall; a plurality of discharge tubes open at the top and at the bottom and fixed in said partition wall and located within said inner heating tubes; means for admitting liquor to be treated to annular conduits formed between said outer and inner heating tubes; means for admitting live heating medium to the upper compartment of said lower casing and to the interior of said inner heating tubes; a conduit connecting the lower compartment of said casing with said vertical container and means for discharging said heating medium from the lower ends of said discharge tubes into the lower compartment of said casing.

4. In a vertical evaporator, more particularly for concentrating sugar, the sub-combination of: an outer heating tube open at both ends; an inner heating tube closed at the top and open at the bottom; a tube located in said inner heating tube and open at both ends for discharging the heating medium from said inner heating tube; said inner heating tube having longitudinal undulations increasing in depth in the upward direction, whereby passages are formed between the outer and inner heating tubes the cross section of which increases in the upward direction, the heat exchange cross section of the inner tube remaining substantially constant for the whole length of the tube.

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**2,117,238**
**QUICK TAKE-UP MECHANISM FOR HAND BRAKES**
**Harvey J. Lounsbury, Glen Ellyn, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware**
**Application December 16, 1936, Serial No. 116,133**
**6 Claims. (Cl. 74—517)**

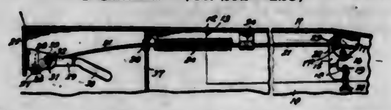
1. In a quick take-up mechanism for hand brakes for cars, the combination with a swinging member provided with a hub portion by which it is pivotally supported, said member presenting a winding surface remote from said hub; of a link pivoted at its lower end to said member at the inner end of the winding surface; a chain anchored to said member at said connection be-



tween the arm and link and windable on said surface, said chain being connected to the brake mechanism proper of the car; and a pull-up member actuated by the hand operated mechanism of the brakes and connected to the upper end of said link, said link being of a length to engage said hub to limit movement of the link toward the pivotal axis of said hub.

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**2,117,239**
**FASTENING DEVICE FOR AUTOMOBILE HOODS OR THE LIKE**
**Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut**
**Application February 24, 1936, Serial No. 65,355**
**3 Claims. (Cl. 292—123)**

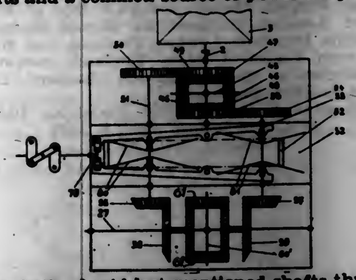


2. In a hood structure and fastening means therefor, a fixed keeper, a fixed support, a closure hood hinged at one edge to said support, catch means mounted on the hood and movable into and out of keeper engaging relation, operating means mounted on the support at a point at the opposite side of the hinge from said catch means, and connecting means extending between said operating means and said catch means including a helical spring section for yieldingly retaining said catch means in keeper engaging relation and disposed adjacent the hinge and adapted to flex about said hinge as the hood is opened and closed.

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**2,117,240**
**STEPLESS CHANGE GEAR**
**Albrecht Maurer, Bad Homburg v. d. Hohe, Germany, assignor to Firm P. I. V. Ketten und Getriebe G. m. b. H., Bad Homburg v. d. Hohe, Germany, a corporation of Germany**
**Application May 29, 1936, Serial No. 82,415**
**In Germany June 3, 1935**
**4 Claims. (Cl. 74—236)**

1. A stepless change gear, comprising in combination a compensating sun and planet wheel gear, a driving shaft connected to the planet system of said gear, a stepless variable gear having two shafts, each shaft adapted to drive one of the two sun wheels of said gear, a compensating gear connected with both said last mentioned shafts and a common source of power adapted to

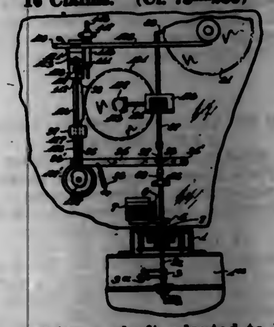


drive both of said last mentioned shafts through the intermediary of said compensating gear.



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**2,117,241**
**PRESSURE COMPENSATING REGISTER FOR GAS METERS**
**Allen D. MacLean, Pittsburgh, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania**
**Original application June 21, 1930, Serial No. 462,843. Divided and this application July 2, 1934, Serial No. 733,522**
**16 Claims. (Cl. 73—233)**

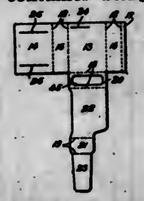


1. In a register, a shaft adapted to be driven by a meter, an oscillatory lever, cam means on said shaft for moving said lever in one direction, registering means, register driving means operable by oscillations of said lever for operating said registering means, pressure means responsive to the pressure effective on said meter, means independent of said pressure responsive means for disconnecting said register driving means from said registering means at one point in the movement of said lever, a spring to move the lever in the opposite direction, and means variably positioned by said pressure responsive means in accordance with said pressure for causing reengagement of said register driving means and said registering means.

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**2,117,242**
**CIGARETTE PACKAGE**
**Bruce McPherson, Greenville, S. C.**
**Application November 30, 1934, Serial No. 755,492**
**1 Claim. (Cl. 206—43)**

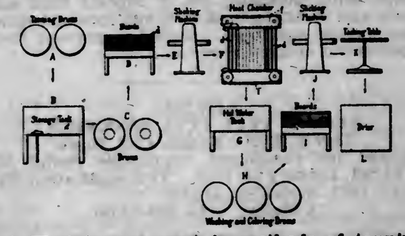
A container for a package of cigarettes comprising a blank foldable to form a hollow substantially rectangular open-ended cigarette package-receiving body in which the cigarette package is slidingly receivable, said body having a double-walled side and constructed to fit snugly about the exterior of and substantially enclose the package of cigarettes, said blank further having a portion integral therewith providing foldable closure means for the ends and the double wall on one side of the container, that portion of the blank which forms the closure means for one end of the container being of a width to



provide an opening in the container through which cigarettes from the cigarette package therein may be removed, the main body of said blank being provided with a plurality of slots in a single side of the double walled side portion thereof for the reception of a match card, a portion of the match card being located between the walls of said double-walled side of the container when the blank is folded.

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**2,117,243**
**TANNING OF HIDES AND SKINS**
**Matthew M. Merritt, Middleton, Mass., assignor to The Tanning Process Company, Boston, Mass., a corporation of Massachusetts**
**Application April 16, 1936, Serial No. 74,732**
**9 Claims. (Cl. 149—4)**



1. That improvement in methods of tanning hides and skins which comprises treating hides or skins with a tanning solution for a period of time just sufficient to secure substantially complete penetration of the hide or skin substance by the tanning material, forthwith slicking out the hides or skins, and promptly introducing the hides or skins for a short time into a chamber with the air therein at a temperature of about 240° F. to complete the tanning of the hides or skins in extended smoothed-out condition.

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**2,117,244**
**COCOA AND SUGAR COMPOUND AND PROCESS OF MAKING SAME**
**Herbert T. Middleton, Englewood, N. J., assignor to International Patents Development Company, Wilmington, Del., a corporation of Delaware**
**No Drawing. Application July 13, 1936, Serial No. 90,240**
**4 Claims. (Cl. 99—23)**

1. Powdered chocolate-sugar compound in which the sugar element consists of dextrose and sucrose with one such sugar predominating to the extent of substantially at least 75%.

2,117,345

## MUSICAL INSTRUMENT

William Otto Silberzahn, Lawrence, Kans.

Application December 11, 1936, Serial No. 115,803

3 Claims. (Cl. 84—424)



1. In a musical instrument, a base, a plurality of tubular bells in the form of open-ended hollow cylinders, and positioning and supporting means for said bells including a plurality of flexible stops positioned between each pair of adjacent bells, said stops having associated with them laterally spaced supporting abutment members of yielding material, upon which the bells rest, said stops being normally out of contact with said bells, and means, alined with and located beyond the ends of said bells, adapted to prevent their unintended endwise removal.

2,117,346

## SAFETY TYPE FUSE ASSEMBLY

Earl R. Millis, Kansas City, Kans.

Refiled for abandoned application Serial No. 61,001, January 27, 1936. This application May 15, 1937, Serial No. 142,867

4 Claims. (Cl. 200—114)



1. In a safety type fuse assembly, a receptacle provided with line contact terminals, an apertured shield plate forming a protective closure over said terminals, a removable fuse-carrying block mounted for slight longitudinal shifting movement within the receptacle and provided with fuse-contact terminals insertable through the apertures of said plates and movable with said longitudinal movement of the block for effecting engagement with said line terminals, and automatically acting detent means operating to secure said block within said receptacle.

2,117,347

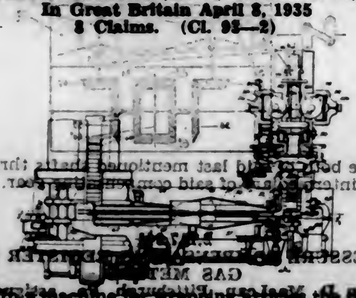
## WRAPPING ARTICLE

Walter Everett Molins, deceased, late of Deptford, London, England, by Harold Bernardo Molins, Deptford, London, England, and Moses Hyman Isaacs, London, England, executors, assignors to Molins Machine Company, Limited, London, England

Application March 23, 1936, Serial No. 70,520

In Great Britain April 8, 1935

8 Claims. (Cl. 93—2)



1. In a machine for wrapping articles the combination with means to feed wrapping material, of means to support an article on the wrapping material, rotating elements to roll the wrapping material into a tube to envelope the article, and a locating element movable in synchronism with the wrapping material and operative to engage the article, after the latter has been deposited on the wrapping material, to position the article relatively to the wrapping material.

2,117,348

## METHOD OF AND COMPOSITION FOR PURIFYING METALS

Irving E. Muskat, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application July 30, 1937, Serial No. 156,499

10 Claims. (Cl. 75—55)

9. A composition of matter for use in purifying molten iron and steel, comprising a sodium carbonate admixed with a resin like residue from the pressure distillation of petroleum.

2,117,349

## ESTERS OF ACRYLIC ACID

Harry T. Neher, Bristol, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa.

No Drawing. Application March 12, 1936, Serial No. 68,485

3 Claims. (Cl. 260—82)

1. A polymeric acrylic acid ester of an alcohol of the group consisting of the secondary and tertiary butyl and amyl alcohols.

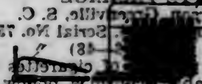
2,117,350

## WEAVING NEEDLE

Arthur S. Nelson, Hartford, Conn.

Application August 1, 1936, Serial No. 93,849

4 Claims. (Cl. 139—129)



1. A weaving needle having an eye at one end and terminating at its other end in a rigid taper-



ing portion, said tapered end of the needle terminating in a relatively short length which is offset from the body portion of the needle and substantially in parallel relation thereto.

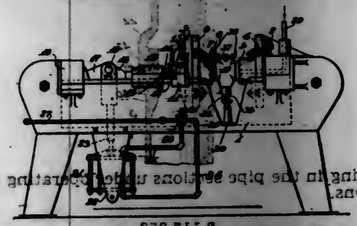
2,117,351

## METHOD OF MANUFACTURING VALVES

Sven J. Nordstrom, Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa., a corporation of Delaware

Application May 13, 1936, Serial No. 79,399

7 Claims. (Cl. 29—157.1)



1. In the manufacture of plug valves, the method which comprises subjecting a substantially unfinished valve casing having a bore therein, a roughly finished seat in an intermediate portion thereof and a plug to an internal pressure substantially in excess of its rated working pressure and sufficient to cause permanent deformation of portions only thereof and maintaining said pressure until substantial permanent deformation of the casing has occurred, and thereafter machining the seat to its final dimension.

2,117,352

## SHUTTLE

Carl F. Pratt, Manchester, N. H., assignor to U S Bobbin & Shuttle Company, Manchester, N. H., a corporation of Rhode Island

Application September 19, 1936, Serial No. 101,630

10 Claims. (Cl. 139—203)



1. In combination with a weaving shuttle, a yarn guide block seated in a chamber in the shuttle body, said guide block having therein a substantially horizontal yarn delivery channel in its outer face extending longitudinally of the shuttle and a removable eyepiece carried by the block and having therein a yarn delivery eye which opens outwardly into said channel, said eyepiece having a threading slot leading to the eye, one wall of the threading slot being defined by a curved horn having an outer yarn guiding surface, the free end of the horn being disposed below the lower wall of the yarn delivery channel, thereby to prevent accidental escape of yarn from the eye.

2,117,353

## BOBBIN AND METHOD OF MAKING THE SAME

Carl F. Pratt, Manchester, N. H., assignor to U S Bobbin & Shuttle Company, Manchester, N. H., a corporation of Rhode Island

Application February 10, 1937, Serial No. 125,062

9 Claims. (Cl. 139—198)

1. A bobbin for use in loom shuttles, said bobbin having a longitudinally tapered body portion and a butt portion and having a substantially cylindrical axial bore extending forwardly from the butt, the bobbin having a longitudinally extending elongate recess in its peripheral surface spaced forwardly from the butt, said recess extending longitudinally of the bobbin, a metallic contact plate disposed in said recess with the opposite longitudinal edges of the plate closely engaging the opposite edges of the recess and with its outer surface substantially flush with the peripheral surface of the bobbin, and anchoring means extending inwardly toward the axis of the bobbin from the plate into the material of the bobbin body, the inner end portion of each prong being disposed at an angle to the main part of the prong and being sunk in a recess in the inner wall of the bobbin bore.



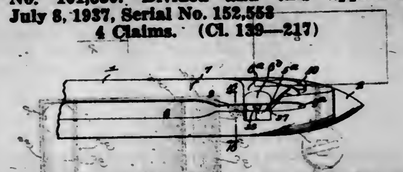
2,117,354

## SHUTTLE

Carl P. Park, Manchester, N. H., assignor to U S Bobbin & Shuttle Company, Lawrence, Mass., a corporation of Rhode Island

Original application September 19, 1936, Serial No. 101,630. Divided and this application July 8, 1937, Serial No. 152,553

4 Claims. (Cl. 139—217)



1. A yarn guide block of the kind which in use is seated within a chamber in a shuttle body with its vertical walls engaging the walls of the chamber, and which has therein yarn tension means, including a tensioning spring and a screw which engages a threaded bore in the block and by means of which the pressure exerted by the spring may be varied, and having detent means which engages the periphery of the screw thereby always to oppose turning of the screw but which allows the screw to be turned when sufficient force is applied, characterized in that the block has a detent receiving cavity within its substance and so located as to be closed and concealed by the wall of the shuttle chamber when the block is in operative position in the chamber, the detent being disposed within said cavity and wholly within the substance of the block.

2,117,355

## PROCESS OF WATERPROOFING SHEET MATERIAL

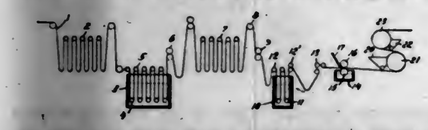
John Wesley Pearl, Verona, Pa., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey

Application August 23, 1935, Serial No. 37,181

1 Claim. (Cl. 91—71)

A four-step process of saturating and coating roofing felt with asphalt involving the following steps in the order named (1) repeatedly immersing the felt in a bath of asphalt of a melting point of from 100° F. to 200° F. maintained at a temperature of 375° F. to 475° F. to impregnate the felt with the asphalt, (2) cooling the impreg-

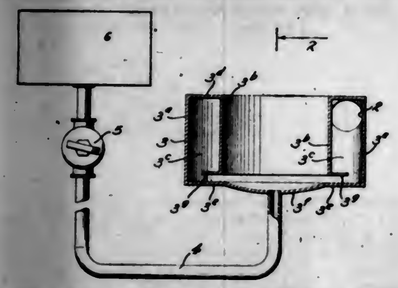
nated felt by prolonged exposure to the air immediately after it emerges from said bath of asphalt to cause contraction and partial setting of the asphalt within the felt, (3) passing said impregnated felt directly from the cooling stage over and under rolls located above and below the surface of a bath of asphalt of a melting point of 175° F. to 225° F. maintained at a temperature of 410° F. to 460° F. whereby the felt is subjected to



prolonged contact with the asphalt so that the voids of the felt are filled with asphalt and a thin film of the asphalt is applied to each side of the felt, and (4) applying to said felt, after it emerges from said coating bath, a stream of heat liquefied, bituminous coating material of a melting point of 200° F. to 230° F. maintained at a temperature of 390° F. to 435° F., which temperature is lower than the temperature of said coating bath.

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**2,117,356**
**FLUID FUEL BURNER**
**William H. Perry, Ocean Beach, Calif.**
**Application May 18, 1936, Serial No. 80,407**
**4 Claims. (Cl. 158—92)**



2. In a fluid fuel burner, a casing with a central chamber open at its upper end and an outer chamber surrounding said central chamber communicating with said central chamber at one side of its lower end only, a blower fan with its outlet communicating with said outer chamber tangentially near its upper end, said central chamber and outer chamber being separated by a solid single thin wall heat conducting partition, a fuel conductor communicating with the lower side of said central chamber, said casing provided with an outwardly extending flange spaced from its lower end and extending into the outer chamber.

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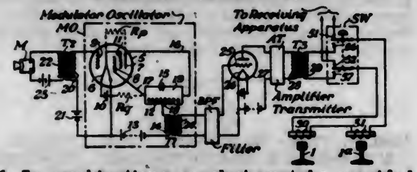
**2,117,357**
**WELL DRILL PIPE**
**Bert L. Petersen, Wooster, Ohio**
**Continuation of application Serial No. 82,464, May 29, 1936. This application January 29, 1937, Serial No. 123,020**
**4 Claims. (Cl. 285—146)**

1. Means for coupling adjacent ends of threaded drill pipe sections, comprising a sleeve having threaded ends for receiving the ends of the drill pipes, said sleeve having a relatively long body portion, the inside and outside diameters of which are less than the corresponding diameters of the pipe sections to provide for a flexing of the sleeve at least equal to the amount of flexing occurring in the pipe sections under operating conditions.



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**2,117,358**
**COMMUNICATION SYSTEM**
**Willard F. Place, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania**
**Application February 6, 1934, Serial No. 709,971**
**7 Claims. (Cl. 250—6)**




1. In combination; an electron tube provided with a cathode, a plate and two grids; a tuned circuit having opposite terminals connected one directly to said plate and the other directly to one of said grids and said circuit including an inductor, circuit means for connecting a mid-terminal of said inductor with said cathode, a current source disposed in said circuit means to supply substantially equal voltages to said plate and said one grid for causing oscillations of a predetermined carrier frequency to be generated by the tuned circuit and balanced out of said circuit means, means for varying the potential of the other grid of the tube with respect to the cathode at a given frequency for modulating said oscillations whereby side bands corresponding to said carrier modulated at said given frequency flow in said circuit means with the carrier frequency substantially eliminated, and means coupled with said circuit means for receiving said side bands.

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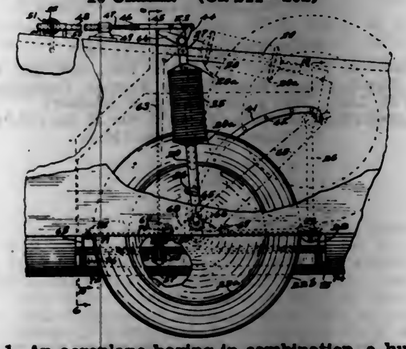
**2,117,359**
**PHTHALIC ANHYDRIDE PRODUCTION**
**Frank Porter, Syracuse, N. Y., assignor to The Solvay Process Company, Syracuse, N. Y., a corporation of New York**
**Application August 17, 1937, Serial No. 159,499**
**8 Claims. (Cl. 260—123)**

1. In the catalytic oxidation of naphthalene to phthalic anhydride by passage of a mixture of naphthalene vapor and a gas containing molecular oxygen into contact with an oxidation catalyst in an oxidation zone at a temperature above 425° C., the improvement which comprises withdrawing reaction gases and vapors from said zone when substantially all of the naphthalene has been oxidized but a substantial quantity of naphthoquinone is still present, and passing the gases and vapors into contact with an oxidation catalyst in a second oxidation zone at a temperature between 350° and 410° C. for a sufficient period to oxidize the major part of said naphthoquinone.



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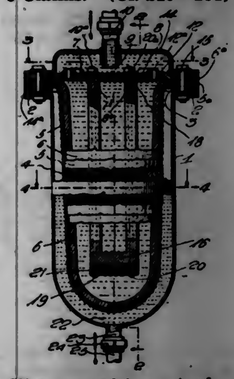
**2,117,360**
**AEROPLANE STRUCTURE**
**Rufus E. Rand, Jr., Minneapolis, Minn.**
**Original application January 14, 1933, Serial No. 586,597. Divided and this application March 13, 1935, Serial No. 10,821**
**10 Claims. (Cl. 244—101)**



1. An aeroplane having in combination, a hull having a compartment at one side thereof having an open bottom, a door hinged to close said bottom, a wheel arranged to be partly disposed in said compartment or to be moved upwardly to be disposed entirely in said compartment and means for closing said door including a flexible cable attached to said door, guide means for said cable and means movable with and carried by said wheel for moving said flexible cable.

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**2,117,361**
**OIL FILTER WITH RENEWABLE FILTERING ELEMENT**
**Fred L. Rohrbach, Washington, D. C., assignor of one-half to Frank B. Netherland, Kenwood, Md.**
**Application August 10, 1933, Serial No. 684,575**
**6 Claims. (Cl. 210—164)**



1. An oil filter comprising a tank, a removable closure for said tank, a renewable filter element preformed from a cellulose product to substantially conform with the shape of said tank, insertable into and removable from said tank, oil inlet and discharge connections, means for suspending said renewable filter element in a position between said oil inlet and discharge connections, a strainer plate disposed in the path between said oil inlet connection and said renewable filter element, and a horseshoe magnet having its pole pieces contacting with parts of said strainer plate and downwardly depending to a position within said renewable filter element for permanently magnetizing the parts of said strainer plate whereby magnetic particles are collected in the course of the passage of the oil from said oil inlet connection to said renewable filter element.

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**2,117,362**
**DUST GUN CARTRIDGE WITH AIR DEFLECTOR**
**William H. Rose, Jersey City, N. J., assignor to Stanco Inc.**
**Application November 11, 1935, Serial No. 49,184**
**10 Claims. (Cl. 42—147)**



1. A powder gun cartridge, comprising a closure pervious to air but substantially impervious to finely divided solid material, and an air deflector arranged beneath the closure.

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**2,117,363**
**MUSIC TYPEWRITER**
**Gust Rundstatler, Berlin, Germany, assignor to Nototyp-Rundstatler G. m. b. H., Berlin, Germany**
**Application September 24, 1936, Serial No. 102,292**
**In Germany December 20, 1933**
**7 Claims. (Cl. 197—8)**



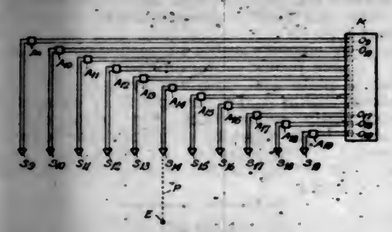
1. A music-typewriter having a keyboard and type crown containing all the required notes, signs, numerals and other symbols used in music-notation and having the open and closed notes of the same pitch provided on the same type bar, including a shifting device permitting upon the depression of the appropriate key either the open or closed note to be printed.

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**2,117,364**
**APPARATUS FOR SEISMIC SURVEYING**
**Henry Salvatori, Hollywood, Calif., assignor to Western Geophysical Company, Los Angeles, Calif., a corporation of Delaware**
**Application December 24, 1936, Serial No. 119,898**
**12 Claims. (Cl. 181—0.5)**

1. Apparatus for reflection seismic surveying comprising means for generating seismic waves,

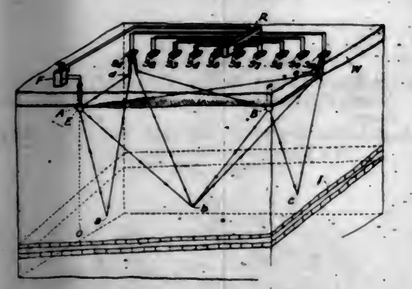
a large number of seismometers arranged in line with each other, said line being horizontally offset from the position of said generating means by a distance of from about 75 feet to about 1000 feet, and extending in each of two directions



from a point opposite said generating means, the end seismometers being substantially equidistant from said generating means, and means responsive to the reflected seismic waves received by the various seismometers for forming a record comprising a plurality of traces.

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2,117,365
**SEISMIC SURVEYING**
Henry Salvatori and James N. Walstrum, Los Angeles, Calif., assignors to Western Geophysical Company, Los Angeles, Calif., a corporation of Delaware
Application December 20, 1937, Serial No. 180,902
19 Claims. (Cl. 181—0.5)



1. The method of profiling at least one subsurface stratum which comprises producing seismic waves at a first source, receiving seismic waves from said first source after reflection from said stratum at two or more reception points spaced from said source and out of line therewith, recording the effects of said seismic waves as a plurality of traces on a common record; producing seismic waves at a second source spaced from said first source and out of line with said reception points, receiving seismic waves from said second source after reflection from said stratum at said reception points, and recording the effects of said last-mentioned seismic waves as a plurality of traces on a second common record, the length of the reflected wave path between said first source and one of said reception points being substantially the same as the length of the reflected wave path between said second source and the other of said reception points, and said two reflected wave paths having substantially identical reflection points on said subsurface stratum.

2,117,366
**COATING MATERIAL**
Harold F. Saunders and Charles Donald Downs, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 7, 1935, Serial No. 53,428
5 Claims. (Cl. 134—58)

3. A "pulped" pigment, for coating compositions, having a water content of less than two per cent and having incorporated therewith in a state of complete dispersion an amount of lecithin which is from one-half to two per cent, by weight, of the pigment.

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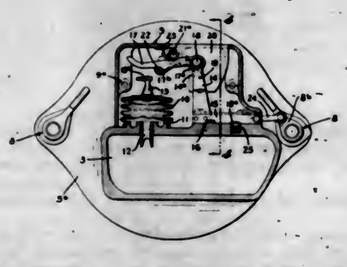
2,117,367
**FUEL INJECTION VALVE**
Rudolph Schlatter, St. Louis, Mo., assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo., a corporation of Missouri
Application November 21, 1936, Serial No. 112,043
5 Claims. (Cl. 299—107.1)



1. In an injection valve as described, the combination of a liquid fuel tube having a water-cooled spray tip at its inner end and a clamping flange at its outer end and shaped and adapted to be clamped in a socket in an engine cylinder head so as to press said spray tip against the bottom of said socket and means for cooling said spray tip comprising a sleeve fitted, upon and around said tube and substantially wholly free of the clamping pressure to which said tube and tip are subjected, and passages formed in said pressure-free sleeve for circulating water through the water space in said tip.

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2,117,368
**SUCTION CLEANER**
William D. Sellers, Glen Ellyn, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 9, 1935, Serial No. 48,973
5 Claims. (Cl. 257—136)



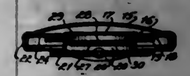
1. In a suction cleaner, the combination with a dust bag adapted to be detachably clamped to the outlet connection of said cleaner, of a spring actuated signal member mounted on said cleaner



adjacent said outlet connection, trigger mechanism including an arm adapted to normally retain said signal member in non-signalling position, pressure responsive means for actuating said trigger arm to release said signal member and signal resetting mechanism comprising a shiftable support for said trigger, a clamping member for fastening said bag to said outlet connection and means connecting said trigger support with said clamping member, the latter being operative in the removal and replacement of the bag to reset said signal member in its non-signalling position.

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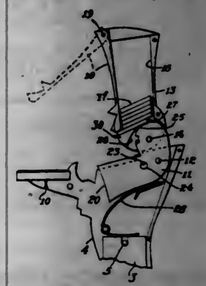
2,117,369
**VENTING AND CLOSURE DEVICE**
Clarence W. Shaw, Detroit, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 18, 1936, Serial No. 64,541
6 Claims. (Cl. 220—44)



1. In a tank venting device, a member having a wall provided with a vent opening for connecting the interior of a tank with the atmosphere, and a sheet of permeable material on said member extending transversely of the vent opening, said sheet being movable away from, or into engagement with, said wall whereby flow of fluid out of the tank as the result of pressure therein takes place through a relatively small area of the sheet and flow into the tank under pressure of the atmosphere takes place through a relatively large area of the sheet.

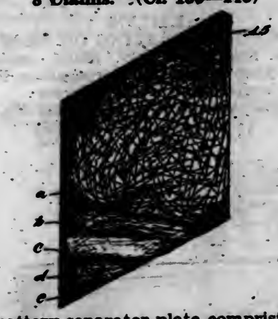
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2,117,370
**CIGARETTE DISPENSING DEVICE**
Joseph A. Sigg, Pittsburgh, Pa.
Application May 1, 1937, Serial No. 140,147
5 Claims. (Cl. 312—46)



3. A cigarette dispensing mechanism comprising a support, a lever pivotally mounted on said support for limited movement thereon, a container for cigarettes pivotally mounted on said lever for limited oscillatory movement thereon, said container having a cigarette storing compartment with an opening at the bottom for ejecting cigarettes and said lever extending into said container compartment and having an abutment in register with said container opening whereby in response to oscillatory movement of the container a cigarette is engaged by said abutment and ejected through said container opening.

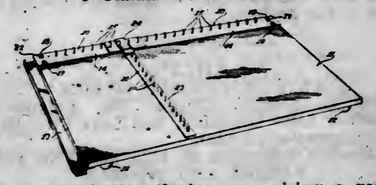
2,117,371
**BATTERY SEPARATOR PLATE**
Games Slayter, Newark, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application November 11, 1933, Serial No. 697,617
Renewed October 30, 1936
8 Claims. (Cl. 136—145)



1. A battery separator plate comprising a plurality of plies consisting of glass wool, the wool in said plies being of different finenesses.

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2,117,372
**DISTRIBUTION DEVICE**
Anton J. Smith and George J. Coupe, Chicago, Ill., assignors to Felt & Tarrant Mfg. Co., Chicago, Ill., a corporation of Illinois
Application July 2, 1936, Serial No. 88,535
9 Claims. (Cl. 282—29)



7. A distribution device, comprising a record sheet retaining member having a plurality of spaced elements mounted thereon for engaging a record sheet, and a second retaining member movable relative to and engageable with certain of said elements to be maintained thereby in selected position on said first retaining member and having means mounted thereon for maintaining a voucher in predetermined position relative to said record sheet.

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2,117,373
**INTERCHANGEABLE UMBRELLA HANDLE**
Phillip S. Sobotka, Baltimore, Md., assignor to Polan Katz & Company, Baltimore, Md., a copartnership composed of Jesse N. Polan, Charles Katz, and William L. Fox
Application April 23, 1937, Serial No. 138,669
1 Claim. (Cl. 135—46)



In combination with the handle portion of an umbrella stick, means for providing screw threadable engagement on said handle portion, a handle on the umbrella stick having an internal open-ended chamber screw threaded to adjustably engage with said handle portion, and a plug

head for causing substantial resistance to unlocking of the handle portion from the stick disposed between the same and adapted to be forced into both by the screw threadable engagement of the aforementioned parts, substantially as described.

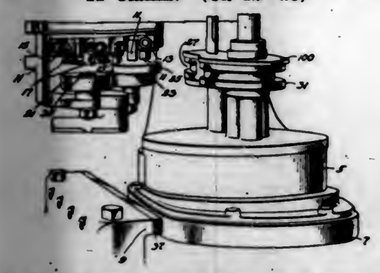
2,117,374

**MACHINE FOR OPERATING ON SHOE PARTS**

Ernest W. Stacey, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application August 7, 1936, Serial No. 94,805

11 Claims. (Cl. 12—25)



1. A machine for operating upon shoe part blanks having, in combination, a jack, a pattern carried thereby to which a blank is clamped, a tool adapted to remove finely divided material from the blank, and a guide roll of non-metallic material impregnated with a lubricant associated with the tool and adapted to run on the edge of the pattern.

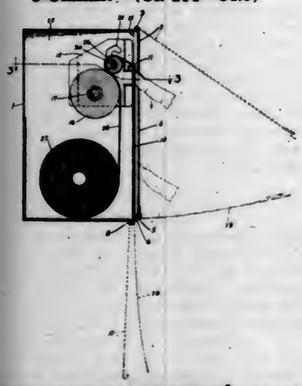
2,117,375

**UNIT DISPENSING DEVICE**

Frank G. Steiner, Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah

Application September 30, 1935, Serial No. 42,897

8 Claims. (Cl. 164—84.5)



1. A paper dispensing apparatus comprising a cabinet having a plate forming a partial closure for the front of the cabinet, a door for the cabinet slightly spaced from the plate and having an elongated vertical slot through which the finger passes to press the paper against and feed it along the plate, tearoff means placed adjacent the bottom of the plate and door below which the paper is fed to assume tearoff relation, a measuring roll over which the paper passes from a supply roll, and a roll engaged with the measuring roll and from which the paper is led around the upper edge of the backing plate.

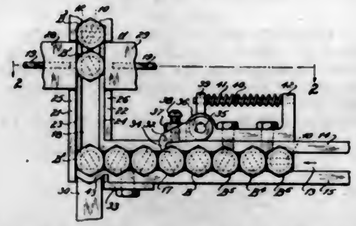
2,117,376

**ALIGNING DEVICE**

Lawrence H. Strayer, Kent, Ohio, assignor to The Lamson & Sessions Company, Cleveland, Ohio, a corporation of Ohio

Application October 6, 1936, Serial No. 104,252

8 Claims. (Cl. 77—5)



1. In a device of the character described having a drilling station, means providing a guideway along which articles are movable to said drilling station, and means for arranging the articles during feeding thereof so that each will arrive at the drilling station in a desired relative position, said arranging means comprising a means associated with the guideway for engaging individual articles in succession and adapted to cause partial rotation of all articles having a certain characteristic but permitting passage of the other articles without imparting rotation thereto and other means associated with the guideway and adapted to engage and partially rotate each article.

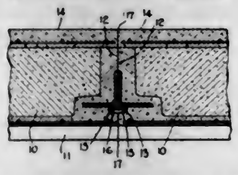
2,117,377

**ATMOSPHERIC PROTECTED FLEXIBLE JOINT FOR BUILDING UNITS**

William E. S. Strong, New York, N. Y., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application December 12, 1935, Serial No. 54,028

6 Claims. (Cl. 72—166)



1. In a building construction having the joints between joined adjacent structure weatherproofed, open-face grooves provided in respective contiguous faces of the joined structure for mutual coordination in providing a laterally enclosed recess running substantially coextensive lengthwise with the joint between respective structures and communicating with the joinder cracks between respective contiguous faces, originally-plastic sealing material within said recess, and means, positioned in said recess and extending substantially coextensively lengthwise therewith, effecting displacement of a quantity of the said sealing material into the extension of said joint between respective structures.



2,117,378

**SETTLING AND COAGULATING AGENT AND THE METHOD FOR MAKING AND USING THE SAME**

George E. Tiffany, Durango, Colo., assignor, by mesne assignments, to Tiffany Products Corporation, Chicago, Ill., a corporation of Illinois

No Drawing. Application November 7, 1935, Serial No. 48,791

12 Claims. (Cl. 252—6)

5. The process of assisting the settling and coagulation of material in aqueous suspension comprising adding to the suspension an aqueous extract of the juice of exogenous plants of the natural family cactaceae.

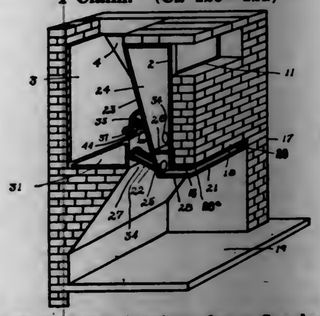
2,117,379

**FORM FOR FIREPLACES**

John B. Turner, Norwich, N. Y.

Application May 14, 1936, Serial No. 79,744

1 Claim. (Cl. 126—121)



An air heating structure for a fireplace comprising a casing open at top and bottom to provide a flue passage, partition walls in said casing forming a lower rear air heating chamber, second partition walls in said casing spaced forwardly of said first walls and forming an upper front air heating chamber and a lower air inlet chamber, a plurality of pipes alternately connecting the rear chamber with the front air heating chamber and the air inlet chamber, walls extending from said inlet chamber to form a horizontal elongated inlet passage therefor and to provide a lintel for the fireplace, and air outlets formed in the casing in communication with the front air heating chamber.

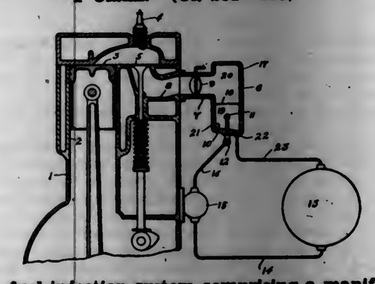
2,117,380

**FUEL INJECTION SYSTEM**

John S. Walters, Lakewood, Ohio

Application January 30, 1935, Serial No. 4,076

1 Claim. (Cl. 261—115)



A fuel injection system comprising a manifold having a plurality of spaced fuel outlets, spray jets in the lower portion of said manifold, means for supplying fuel under pressure to said spray jets, and a single horizontally-extending screen disposed in said manifold above all of said spray jets and adapted to separate from the total fuel supply for all of said outlets particles which are too large for combustion purposes, said spray jets extending at right angles to said screen, and emitting fuel in a finely divided condition.

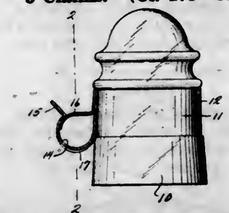
2,117,381

**INSULATOR CAP**

Leonard Ward, Alamota, Kans.

Application December 22, 1936, Serial No. 117,185

3 Claims. (Cl. 173—315)



1. An insulator cap circumferentially recessed, an encircling band of metal disposed in said recess, the band being formed to provide a hook extending directly downward from the band, then outward and upward, the band being formed immediately above the hook with a downwardly and outwardly extending resilient keeper extending downward from the upper margin of the band and then extending outward and into the bill of the hook.

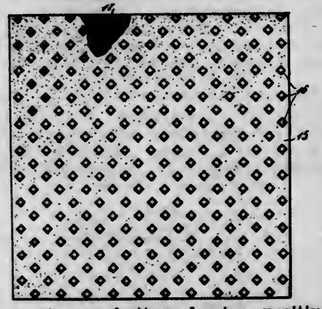
2,117,382

**STORAGE BATTERY SEPARATOR**

Leland E. Wells, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia

Application December 14, 1936, Serial No. 115,765

4 Claims. (Cl. 136—143)



1. In a storage battery having positive and negative plates, a separator between the plates having discontinuous isolated members arranged substantially uniformly over one face thereof and projecting therefrom into engagement with one of said plates.

2,117,383

**OPHTHALMIC MOUNTING**

Raymond L. Wells, Attleboro, Mass.

Application July 13, 1935, Serial No. 31,187

34 Claims. (Cl. 88—44)

1. An ophthalmic mounting comprising a bridge adapted to occupy a normal unflexed posi-

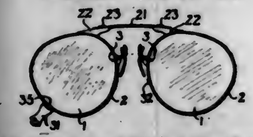
tion and a flexed position, and two lens members the upper portions of which are pivotally connected to the bridge about axes that, when the bridge occupies its normal unflexed position, intersect below the lens members at a point in that



line through the center of the bridge with respect to which the bridge and the lens members are substantially symmetrically disposed, the lens members being pivotally immovable with respect to the bridge except about the said axes.

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**2,117,384**
**OPHTHALMIC MOUNTING**
**Raymond L. Wells, Attleboro, Mass.**
**Application February 16, 1934, Serial No. 711,516**
**1 Claim. (Cl. 88—44)**



An ophthalmic mounting comprising two lens members, a bridge above the lens members connecting the lens members, the ends of the bridge being pivoted to the upper portions of the lens members about axes substantially parallel to the plane of the lens members, each lens member being freely pivotally movable about its axis in one direction into substantial alinement with the bridge and also in the opposite direction out of alinement with the bridge, whereby the lens members may be caused to pivot out of the said substantial alinement in the said opposite direction to approach each other sidewise in substantially the form of a Z until the back of one lens member lies substantially against the front of the other lens member, and inter-engaging lock means provided on the lens members for locking the lens members together one over the other.

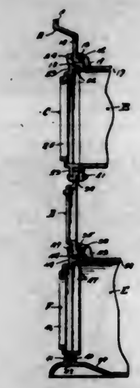
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**2,117,385**
**OPHTHALMIC MOUNTING**
**Raymond L. Wells, Attleboro, Mass.**
**Application February 18, 1937, Serial No. 126,449**
**18 Claims. (Cl. 88—44)**



1. An ophthalmic mounting comprising a lens-holding member for holding a lens and having an abutment provided with a bore substantially parallel to the plane of the lens, a pivot member removably mounted in the bore in substantially the said plane, a bridge pivoted to the pivot member to swing in a direction substantially at right angles to the direction of extension of the pivot member, and a post for engaging the pivot member and the abutment positively to lock the pivot member in position on the abutment, the post being removable to permit removing the pivot member and, therefore, the bridge.

**2,117,386**
**SLIP-OVER FRONT FOR HOT AIR FURNACES**
**William Thomas Whitaker, Nashville, Tenn., assignor to Phillips & Buttorff Mfg. Co., Nashville, Tenn., a corporation of Tennessee**
**Application March 26, 1936, Serial No. 71,037**
**6 Claims. (Cl. 126—119)**



1. In a warm air furnace, an upper front section having legs and a longitudinal portion, an upper feed pouch section and an upper feed door frame, the upper front section embracing the pouch section and fitting upon it and the upper door frame interfitting with the open end of the pouch section, being bolted thereto and having a marginal flange overlapping the legs and horizontal portion of the front section, the overlapping portion of said flange having a packing receiving groove on its inner face, a lower front section having a longitudinal portion and depending legs, a lower pouch section and a lower door frame, the lower front section embracing the outer end of the lower pouch section and fitting upon it and the lower door frame interfitting with the open end of the lower pouch section and being bolted thereto, said lower door frame having a marginal flange overlapping the legs and horizontal portion of the lower front section and having a packing containing groove on the inner face of said overlapping portion, the upper margin of the lower front section having overlapping sliding engagement with the lower ends of the legs of the upper front section and with the lower margin of the upper door frame.

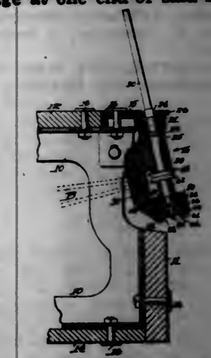
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**2,117,387**
**MULE SPINDLE**
**Chester E. Williams, Worcester, and Arthur F. Anderson, Auburn, Mass., assignors to Johnson & Bassett, Inc., Worcester, Mass., a corporation of Massachusetts**
**Application February 24, 1937, Serial No. 127,434**
**4 Claims. (Cl. 118—66)**

1. In a mule having a carriage, in combination, a spindle having a driving whirl, a spindle stand, an upper spindle bearing fixed in said spindle stand, and a lower step bearing for said spindle, said upper bearing being a close running fit for said spindle above the spindle whirl and said step bearing being supported by said spindle stand but having limited free transverse movement relative thereto, and said spindle, stand and bearings comprising a self-contained unitary



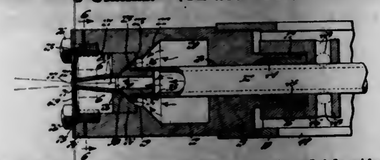
structure having a single point of attachment to said carriage at one end of said stand and said



stand being separately removable from the mule carriage.

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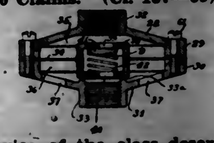
**2,117,388**
**OIL BURNER**
**Bradford G. Woolley, Providence, R. I., assignor to Hammel Oil Burning Equipment Company, Inc., Providence, R. I., a corporation of Rhode Island**
**Application April 30, 1935, Serial No. 19,070**
**5 Claims. (Cl. 299—140)**



5. A burner-tip comprising a pair of identically-shaped sheet-metal members arranged with one member inverted with respect to the other member, each of said sheet-metal members being formed to provide a side wall with marginal edges extending inwardly and a semicircular flanged end extending outwardly therefrom, said marginal edges of the cooperating parts abutting to form a fan-shaped orifice and said flanges surrounding the outlet end of the orifice.

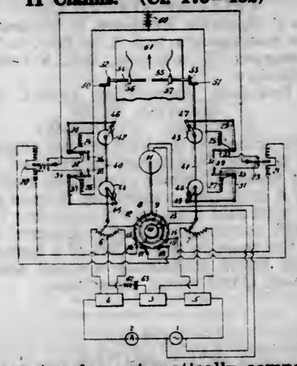
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**2,117,389**
**VACUUM OR SIPHON BREAKER**
**Howard D. Yoder, Detroit, Mich., assignor to Penberthy Injector Company, Detroit, Mich., a corporation of Delaware**
**Application March 4, 1935, Serial No. 9,269**
**10 Claims. (Cl. 137—69)**



1. In a device of the class described, means providing a chamber having fluid inlet and outlet and an air inlet, a diaphragm within said chamber movable responsively to pressure differentials therein, said diaphragm carrying means providing a choke orifice, the parts being so arranged that pressure flow through said chamber closes communication between said air inlet and said fluid inlet and outlet and abnormal drop in pressure opens communication with said air inlet and chokes back flow through said orifice.

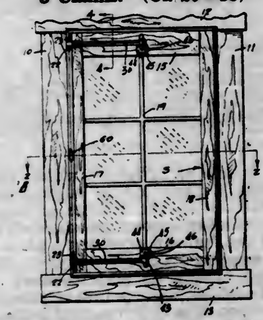
**2,117,390**
**COMPENSATION OF ALTERNATING CURRENT FLUCTUATIONS**
**Theodor Zuschlag, Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York**
**Application July 12, 1934, Serial No. 734,713**
**11 Claims. (Cl. 175—182)**



1. Apparatus for automatically compensating for fluctuations in alternating current which comprises, a source of alternating current to be compensated, a plurality of sources of auxiliary alternating potential, a synchronous commutator adapted to break up the alternating current into a plurality of components displaced from each other by constant phase angles and connected with the source of alternating current to be compensated through the sliders of a plurality of center tap potentiometers, the endpoints of said potentiometers being connected to the sources of auxiliary alternating potential, means for rotating said commutator in synchronism with the alternating current to be compensated, and means mechanically connected with the sliders of the potentiometers and electrically connected to the commutator and adapted to move said sliders in response to variations in the phase displaced components of the alternating current to be compensated.

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**2,117,391**
**CASEMENT SASH**
**Elwood J. Adams, Philadelphia, Pa., assignor of fifty per cent to Robert T. Adams, Pitman, N. J. and fifty per cent to Grace V. Dimitman, Philadelphia, Pa.**
**Application July 6, 1935, Serial No. 30,120**
**8 Claims. (Cl. 20—53)**



1. A casement sash structure of the character described comprising a frame, an arm, a hinge

pivotally connecting the arm to the frame including parts in frictional engagement, a sash pivotally carried by the arm, and means for varying the friction between said parts in frictional engagement.

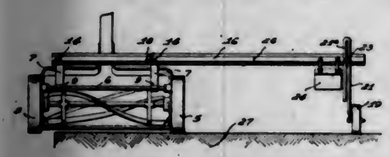
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2,117,392
**CELLULOSIC ARTICLES**
Thomas F. Banigan, Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 1, 1936, Serial No. 72,150
4 Claims. (Cl. 18—48)

1. The process of making porous objects from molded masses containing viscose and a pore-forming material, which comprises molding the mass in a container comprising ferrous metal in contact with said mass and coagulating the mass while still contained in the container, by subjecting the mass to the action of a non-acid coagulating liquid containing a small amount of a non-acid alkali metal phosphate.

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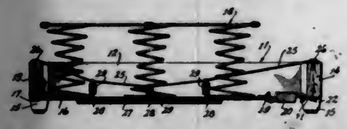
2,117,393
**LAWN MOWER**
Tom Duckworth Bateson, Victoria, British Columbia, Canada
Application December 15, 1937, Serial No. 180,000
8 Claims. (Cl. 56—249)



1. In combination with a lawn mower having side driving wheels and a tie rod extending therebetween, upright supports fixed to said tie rod, a bar carried by said supports extending laterally at one side of the mower substantially parallel to the axis of the mower wheels, and said bar being weighted at its free end.

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2,117,394
**WEBBING SUPPORT FOR UPHOLSTERED FURNITURE**
Samuel S. Bernstein, Beverly Hills, Calif.
Application June 23, 1937, Serial No. 149,932
5 Claims. (Cl. 155—179)



1. In an article of furniture which includes a frame having flexible spring supporting fabric means connected to the bottom of said frame, means for yieldably supporting said fabric means inwardly of the frame comprising a plate beneath said fabric means, a flexible member above said fabric means having its ends secured to opposite sides of said frame at points vertically spaced from the bottom of said frame, and tension spring means connecting said plate and said flexible member inwardly of said frame.

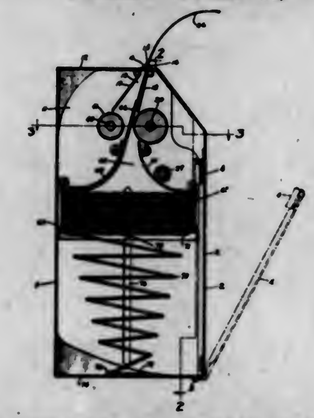
2,117,395
**EXPANSIBLE CHAIN STRUCTURE**
Sidney O. Bigney, Attleboro, Mass., assignor to S. O. Bigney & Company, a corporation of Massachusetts
Application February 2, 1938, Serial No. 188,272
7 Claims. (Cl. 59—80)



4. An expansible chain structure comprising a series of connected units, each unit comprising a hollow body member, a pair of links crossed within said body and each extending through opposite sides of the body and movable with relation to each other and to said member from a contracted to an expanded position, and a pair of coiled springs in each member each acting on both of said links to move them to contracted position.

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2,117,396
**TOWEL DISPENSING APPARATUS**
Rudolph G. Birr, Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Application August 9, 1935, Serial No. 35,503
4 Claims. (Cl. 312—54)



3. A mechanism for dispensing drying units comprising, a cabinet having a delivery orifice in its top wall, a support and means for automatically advancing it to move a pile of units toward the top, a throat comprising two upwardly convergent plates with which the topmost sheet of the pile engages only over a small area, feeding means upwardly to which the throat delivers, means operating the feeding means, a guide leading upwardly to said orifice to receive a fed unit and guide it to an accessible position.

4. A mechanism for dispensing drying units comprising a cabinet having therein a pair of spaced vertical plates having vertical guide slots, a support having guide pins operating in said slots, and means moving the support upwardly to advance a pile of toweling units thereon, means against which the topmost units are pressed, in a manner to reduce friction to a minimum, unit feeding means above said last



mentioned means, and a delivery opening through which said feeding means delivers a unit for access to the user.

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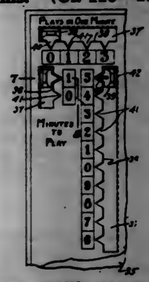
2,117,397
**INSULATED CAR WALL**
Charles D. Bonsall, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application June 12, 1937, Serial No. 147,969
8 Claims. (Cl. 189—34)



1. An insulating wall comprising spaced apart metallic sheets, combustible insulating material between said sheets and an insulated stiffener connecting said sheets, said stiffener comprising a metallic member welded to each sheet and an insulating fabric between said members, said fabric and said members being associated and arranged to provide hollow channels to prevent the heat of welding from igniting said combustible insulation.

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2,117,398
**SCORING MEANS FOR GAME BOARDS**
Thomas E. Brown, Jr., Tuxedo Park, N. Y.
Application June 9, 1936, Serial No. 84,271
7 Claims. (Cl. 116—135)

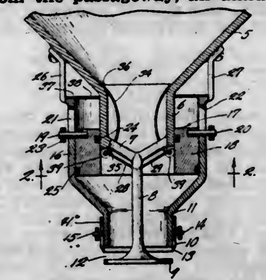


1. The combination with game apparatus embodying a playing board provided on its surface with a grooved or channeled section notched along one longitudinal wall thereof; of a movable device slidable in the channeled section and provided with a toothed portion at one end and its opposite end rounded in a plane transverse to the groove, said toothed portion being adapted to locate in a notch and the device to rock about its rounded end, transversely to the channel with the corresponding channel wall as an abutment, for clearing the tooth of the device from a notch.

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2,117,399
**DOUGH BATCH CUTTER AND THE LIKE**
Charles E. Carpenter, Chicago, Ill.
Application May 27, 1936, Serial No. 82,111
13 Claims. (Cl. 107—14)

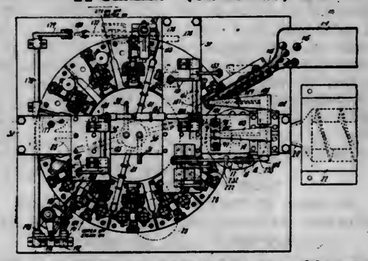
1. A dough batch feeder for the purpose specified comprising in combination an element having a vertical cylindrical passageway, a cylinder member surrounding said passageway and spaced therefrom to provide an annular cylinder between said parts, said cylinder member extending to a position beneath the passageway and providing a downwardly extending delivery throat in alignment with the passageway, a stem extending axially through said throat and having its upper end connected to the lower portion of the passageway, a die disk on the lower end of the stem, valve members located in operative relationship with respect to the lower end of the passageway, and movable downwards to permit downflow of dough from the passageway, an annular piston



located in the annular cylinder aforesaid, and movable vertically therein, a cut-off ring located on the throat and movable vertically thereon, and co-operating with the die disk to open and close an annular delivery opening and cut off dough batches, together with means to move the annular piston and the cut-off ring vertically in timed relationship, substantially as described.

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2,117,400
**APPARATUS FOR COVERING ARTICLES**
Henry Z. Cobb, Providence, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 7, 1933, Serial No. 650,664
14 Claims. (Cl. 18—20)



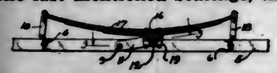
7. In a molding apparatus, a movable carrier, a series of molds mounted on said carrier, each of said molds having an upper and a lower section having cooperating mold cavities therein, said cavities having core centering means therein, mechanism operated in synchronism with the movement of the carrier comprising means for swinging the upper section from over said lower section so that the cavities therein face upward, means for charging both upwardly facing cavities with blanks of plastic material, means for placing a core on the blank in the lower section, and means for swinging the upper section over the lower section and forcing the plastic material around the core.

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2,117,401
**VEHICLE SPRING SUSPENSION**
Vernor L. Cobb, Hugo, Colo.
Application October 4, 1937, Serial No. 167,198
1 Claim. (Cl. 267—19)

A resilient support for a vehicle body, comprising in combination, a chassis frame having spaced

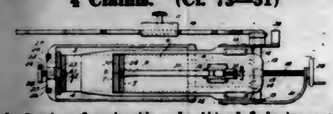
parallel side members and spaced transverse members projecting beyond the side member, a semi-elliptical spring on each side of the frame, the springs being connected at their ends to the transverse members by means of shackles that permit the springs to move bodily in the direction of their length, a bearing secured to the under side of each spring, a bearing secured to each side member, and a shaft journaled for oscillation in the last mentioned bearings, the ends of



the shaft being offset in the same direction and to the same amount to form wheel axles, the axes of the wheel axles being in alignment and coplanar with the axis of the shaft, the wheel axles being journalled in the bearings secured to the springs whereby when the springs are flexed the ends of the shaft will move in unison and to the same extent relative to the plane of the frame, the wheel axles having supporting wheels secured thereto.

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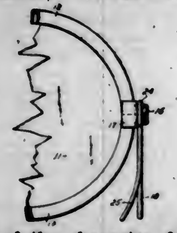
**2,117,402**
**KNITTED FABRIC TESTING DEVICE**
**Joseph K. Cobert, Sherbrooke, Quebec, Canada**
**Application November 27, 1936, Serial No. 112,851**
**4 Claims. (Cl. 73—51)**



1. A device for testing knitted fabrics comprising a frame, two plates slidably mounted in the frame in superposed relation, one of said plates having an end projecting beyond the adjacent end of the other plate, fabric gripping means carried by said plates on said projecting end and said adjacent end respectively, means for moving one of said plates and a lever pivoted in the frame adjacent an end of the other of said plates and having one arm operatively engaging said other plate end and another arm carrying a fixed weight of predetermined value acting on said lever.

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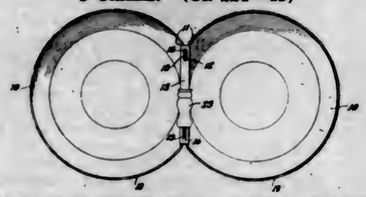
**2,117,403**
**TOILET ACCESSORY**
**Stephen T. Crosby, Los Angeles, Calif.**
**Application February 24, 1936, Serial No. 65,314**
**2 Claims. (Cl. 88—101)**



2. A device of the character described, comprising a mirror having one or more reflecting surfaces, two symmetrical frame sections cooperatively enclosing said mirror, adjacent ends of said frame sections having cooperative portions projecting therefrom to form generally coaxial extensions, a trunnion encompassing and engaging each of said extensions, means extending from said trunnions and engageable with said mirror sections for holding the same in alignment, a standard including portions in tension each of which is bent to form a loop contacting said frame alignment means for maintaining said frame sections in assembly under the influence of said tension portions, each of said trunnions being frictionally held within a loop and in engagement therewith by reason of tension in each loop, whereby to maintain the mirror in various positions relative to said standard.

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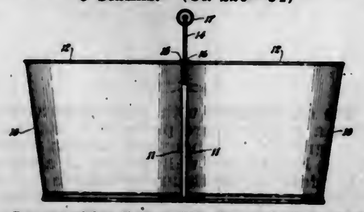
**2,117,404**
**HOLDER FOR TWIN PAILS**
**Frederick G. Curtis, Dover, Ohio, assignor to Reeves Steel and Manufacturing Company, Dover, Ohio, a corporation of Ohio**
**Application March 26, 1936, Serial No. 71,068**
**8 Claims. (Cl. 224—45)**



5. In combination with two similar pails having adjacent sides abutting each other, a holder including a handle bail extending above the tops of the pails and having depending, integral legs, and spaced, separate, clamping means at the upper and lower portions of said legs for engaging and clamping adjacent upper and lower side portions of the two pails together, the lower clamping means being detachable.

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**2,117,405**
**HOLDER FOR TWIN PAILS**
**Frederick G. Curtis, Dover, Ohio, assignor to Reeves Steel and Manufacturing Company, Dover, Ohio, a corporation of Ohio**
**Application April 15, 1936, Serial No. 74,579**
**6 Claims. (Cl. 220—94)**



1. In combination with two similar pails, a holder including a spring handle bail having U-shaped bends therein, and a clamping clip for engaging and clamping adjacent rim portions of the pails, said U-shaped bends of the handle bail being adapted to be engaged over the ends of said clip, the end portions of said bail being located between said rim portions of the pails to prevent accidental displacement of the clamping clip.

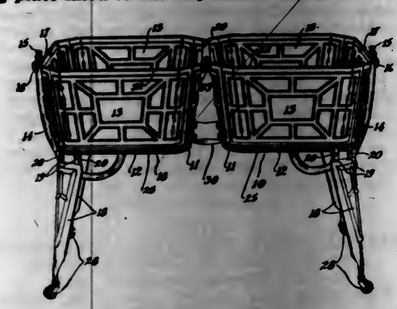
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**2,117,406**
**LAUNDRY UNIT**
**Rowland G. Curtis, Dover, Ohio, assignor to Reeves Steel and Manufacturing Company, Dover, Ohio, a corporation of Ohio**
**Original application July 16, 1936, Serial No. 90,942. Divided and this application October 5, 1937, Serial No. 167,367**
**5 Claims. (Cl. 68—232)**

1. A laundry unit including two tubs having



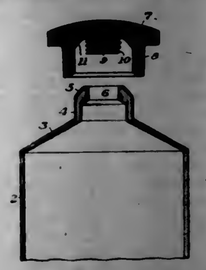
rims and chimes, a support comprising a clamping plate fixed to the adjacent chime portions of



the two tubs, and means clamping the adjacent rim portions of the two tubs together.

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**2,117,407**
**TUBE AND CAP ASSEMBLY**
**Walter T. Davis, Wheeling, W. Va., assignor to Wheeling Stamping Company, Wheeling, W. Va., a corporation of West Virginia**
**Application January 9, 1937, Serial No. 119,800**
**8 Claims. (Cl. 221—60)**

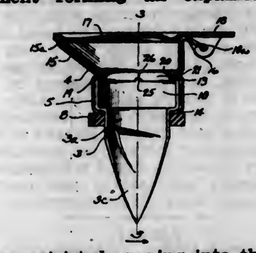


1. The method of constructing a tube and cap assembly comprising forming a tube with a smooth neck portion, both the interior and exterior being devoid of threads forming a cap with a smooth guide portion and a threaded portion, the guide portion being adapted to embrace and surround the smooth neck of the tube before the threaded portion engages the neck of the tube to thereby center the cap on the neck of the tube, bringing the cap and the tube into engagement with the cap centered on the unthreaded neck of the tube, then effecting relative rotation of the tube and the cap while pressing the cap against the tube to cause the threaded portion of the cap to engage a smooth portion of the neck of the tube and thereby form the only threads on the neck of the tube required to retain the cap.

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**2,117,408**
**DETACHABLE POURING SPOUT**
**Roy N. Dickey, Seattle, Wash.**
**Application October 18, 1935, Serial No. 45,550**
**8 Claims. (Cl. 221—23)**

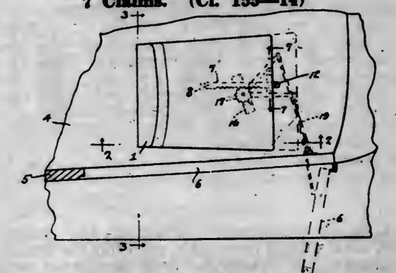
1. A device of the character described, comprising a tubular body, formed at its outer end with an enlarged pouring portion and formed at its inner end with a mounting shank applicable to an opening in a container wall to receive contents from the container, and formed intermediate its inner and outer ends with an enlargement forming an expansion chamber



having a restricted opening into the outer end portion.

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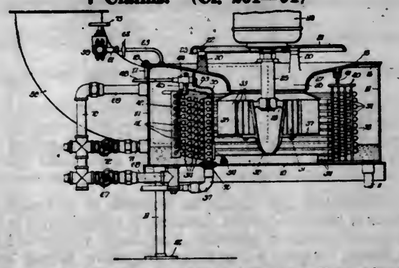
**2,117,409**
**AUTOMOBILE SEAT**
**John S. Dorsey, Wilmington, Del.**
**Application March 11, 1937, Serial No. 130,407**
**7 Claims. (Cl. 155—14)**



1. In a vehicle body including a hinged door, a seat mounted for longitudinal movement in the body, a shaft journaled in the body, means for connecting the shaft to the seat whereby rotation of the shaft in one direction will move the seat forwardly and rotation of the shaft in an opposite direction will move the seat rearwardly and means connecting the shaft with the door for rotating the shaft in one direction by opening movement of the door and in an opposite direction by closing movement of the door.

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**2,117,410**
**PORTABLE AIR CONDITIONER**
**Fred R. Erbach and Richard H. Swart, Beloit, Wis., assignors to General Refrigeration Corporation, Beloit, Wis., a corporation of Delaware**
**Application July 1, 1937, Serial No. 151,361**
**7 Claims. (Cl. 261—91)**



1. Apparatus for washing and cooling air, in combination, a tank providing a reservoir for



water, a centrifugal fan mounted for rotation



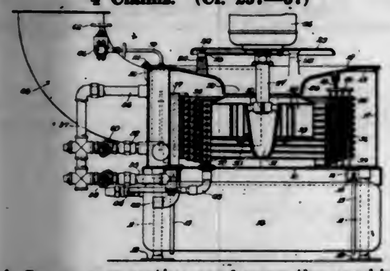
intercalated relation with the first set of pins

water, a centrifugal fan mounted for rotation on a vertical axis and located in the upper part of said tank, means rotating with the fan for drawing water from said reservoir and discharging the same radially from the center of said fan in the form of finely divided sprays, whereby air entering the fan is washed by contact with said water sprays, and a plurality of cooling coils each in the form of a substantially flat spiral encircling said fan and located in the path of the air discharged thereby, an expansion valve for uniformly delivering liquid refrigerant to said coils, and means maintaining said reservoir at a constant water level during operation.

### 2,117,411
### EVAPORATIVE CONDENSER

Fred R. Erbach, Beloit, Wis., assignor to General Refrigeration Corporation, Beloit, Wis., a corporation of Delaware

Application December 4, 1936, Serial No. 114,127
4 Claims. (Cl. 257—37)

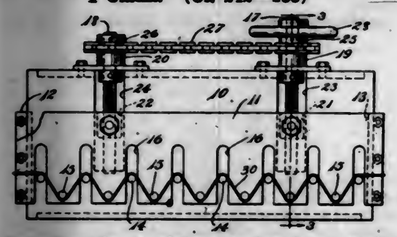


4. In an evaporative condenser, the combination with a tank forming a reservoir for water, of a plurality of condenser coils supported within said tank, a motor operated fan positioned centrally of said coils and operating to discharge a water and an air mixture over said coils, an air supply inlet positioned above said fan, an air discharge outlet located above the level of said condenser coils, whereby said tank may be substantially filled with water for submerging said condenser coils, an overflow connection for said tank determining the level of the water when said coils are submerged, and means for completely draining said tank.

### 2,117,412
### TENSION DEVICE

Walter B. Freeman, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application November 10, 1936, Serial No. 110,067
1 Claim. (Cl. 242—153)

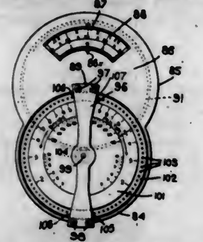


Apparatus for applying tension to a reach of moving material, said apparatus comprising a set of non-rotatable tension pins each supported by a rigid frame, a carriage movable along said frame and carrying a second set of tension pins in such relation as to permit their movement into intercalated relation with the first set of pins, said carriage being deeply slotted to clear the pins of the first set, feeding means comprising a plurality of spaced-apart screw and nut elements for moving said carriage positively forward and positively back to change the relation of the sets of pins to each other while maintaining rigidly their spacing at any position, and means for driving the feeding screw and nut elements together, said tension pins being supported at one end only so as to permit lateral insertion of the material therebetween without disturbing the adjustment of the tension pins.

### 2,117,413
### DECIMAL POINT INDICATING MECHANISM FOR SLIDE RULE COMPUTATIONS

Howard Gilmore, Brookline, Mass.

Application May 18, 1935, Serial No. 22,233
5 Claims. (Cl. 235—84)



1. A device for determining and indicating the position of the decimal point in the result of a problem which is independently computed on a slide rule which comprises a stationary index and a relatively movable dial graduated in equal zone divisions representing the normal zone of computation of the slide rule and successive zones respectively anterior to and posterior to said normal zone, each division being provided with indicia representing the position of the decimal point characteristic of such zone, means for actuating said decimal point indicator comprising stationary multiplication and division scales extending in opposite directions from properly positioned index points and having graduations proportional to the logarithms of the numbers on said scales and an associated movable actuator member, means for transmitting the movements of said actuator member to said dial in amounts proportional to the movements of said actuator and means on said movable actuator adapted to be engaged by a polling device at a point corresponding to the number used in the computation and movable by said polling device to the index position of its scale, whereby successive movements of said actuator will so rotate said dial as to position a decimal zone on the dial opposite the stationary index which cooperates with said dial which will show directly where the decimal point should be placed in the numerical result computed on the slide rule.

### 2,117,414
### METHOD OF PRODUCING ISOPULEGOL

Hugh B. Glass, Birmingham, Ala., assignor, by mesne assignments, to Theodore Swann, Birmingham, Ala.

No Drawing. Application September 28, 1936, Serial No. 102,918
11 Claims. (Cl. 260—153)

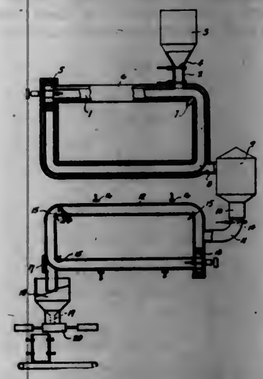
1. The method of producing isopulegol from citronellal which comprises heating citronellal with finely divided commercial silica gel.



### 2,117,415
### METHOD OF MAKING FUEL BRIQUETTES

Oliver P. M. Goss and Werth C. Goss, Seattle, Wash., assignors to Carlisle Lumber Company, Onalaska, Wash., a corporation of Washington

Application January 9, 1935, Serial No. 998
4 Claims. (Cl. 44—10)

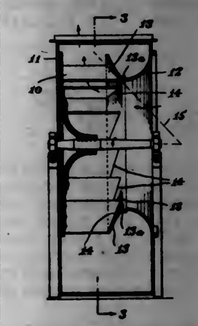


1. The method of making compressed fuel briquettes from comminuted wood waste material which comprises reducing charges of comminuted material to a moisture free condition, hydrating the charges to obtain a uniform moisture condition throughout within a range at which the article will neither absorb from, nor give off moisture to the atmosphere, then compressing the material into briquettes.

### 2,117,416
### CENTRIFUGAL FAN

Harold F. Hagen, Dedham, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.

Application June 20, 1936, Serial No. 86,385
5 Claims. (Cl. 230—134)



1. A centrifugal fan comprising in combination, a fan housing, means forming a converging passage projecting inwardly into said housing for the axial direction of air into said fan, a plurality of substantially flat, inclined, fan blades, a back plate attached to the back sides of said blades, and a curved side plate having a portion in contact with the front sides of said blades, constructed in the form of a hyperboloid, for guiding underneath its lower surface, the air received from said passage.

### 2,117,417
### STATIC RESISTING GLOVE

Samuel S. Hall and Judd B. Hall, Carrollton, Ohio, assignors to The Surety Rubber Company, Carrollton, Ohio, a corporation of Ohio

Application November 6, 1937, Serial No. 173,213
5 Claims. (Cl. 2—168)



1. A formed glove of rubber or the like provided with a tubular sleeve portion having a spaced pair of annular grooves spaced from its end, the end portion of said tubular sleeve portion being outwardly flared immediately adjacent to said grooves whereby said flared end portion may be turned back at said grooves to form an endless, outwardly flared trough entirely spaced from the exterior of the remainder of said tubular sleeve portion, the width of the bottom of said trough being substantially the distance between said grooves.

### 2,117,418
### PLAITED RUBBER ARTICLE AND METHOD OF MAKING THE SAME

Mary Hajoway, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application January 7, 1937, Serial No. 119,420
14 Claims. (Cl. 154—33)



12. An article of apparel comprising a body portion of sheet rubber folded upon itself to provide crossed, spaced-apart bands of the doubled rubber adhered along adjacent walls, said bands being flattened against the sheet but unadhered thereto.

### 2,117,419
### INSECT EXTERMINATOR, STERILIZER, AND DRIER

Marie M. Hamrick and Frank B. Spence, New York, N. Y.

Application March 11, 1937, Serial No. 130,298
1 Claim. (Cl. 219—38)

In a boiler comprising a round tube plurally coiled in circular formation and having a heating means therewithin, a cylindrical open topped casing enclosing said coiled tube, a marginally flanged cover removably engaged on said casing, means combined with said cover constituting the sole support for said coiled tube, means for supplying liquid to said tube, a flexible hose connected with said tube above said cover, a support for said hose adjustably engaged on said casing, applicators selectively engageable with the hose outlet, a bow-shaped handle spacedly



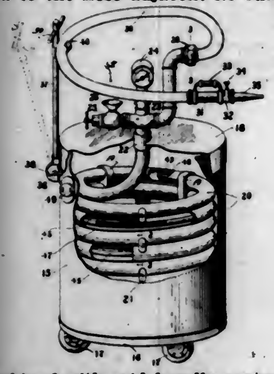
connected to the hose adjacent its outlet and a

engine carburetor having a throttle valve and a



quency of vibration in operation, and means in-

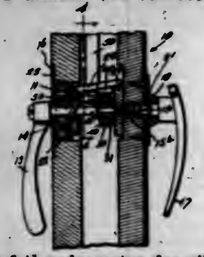
connected to the hose adjacent its outlet and a



valve combined with said handle controlling the passage through said hose.

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**2,117,420**
**DOOR HANDLE AND LOCK**
**George N. Harden, Marion, Ohio**
**Application January 7, 1936, Serial No. 57,997**
**1 Claim. (Cl. 70—303)**

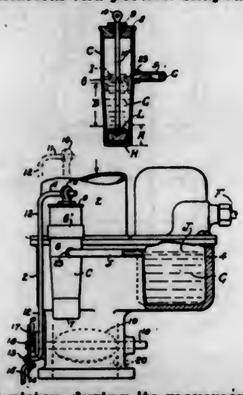


In a lock of the character described, a pair of alined shafts, said shafts being normally rotatable independently of one another, and permutation means interposed between said shafts for placing said shafts into and out of driving engagement one with the other, and including a disk mounted on each shaft for rotation with its respective shaft, a dog pivotally connected with one of said disks, and the other of said disks being provided with a notch for receiving the free end of the dog, said permutation means acting to normally retain the free end of the dog out of engagement with said notch, and said permutation means including cam means for raising the free end of said dog out of engagement with said notch and including a disk rotatable about one of said shafts as an axis and provided with a cam surface and a lug on said dog cooperable with said cam surface, a slidably mounted operating button for said cam disk, supporting means for said button, and interengaging means on said button and the cam disk for rotating the latter in a predetermined direction for effecting a raising of the free end of the dog out of engagement with said notch.

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**2,117,421**
**THROTTLE VALVE CONTROL MEANS**
**William C. Helden, Ossining, N. Y., assignor to Carter Carburetor Corporation, New York, N. Y., a corporation of Delaware**
**Application July 24, 1934, Serial No. 736,641**
**1 Claim. (Cl. 137—139)**

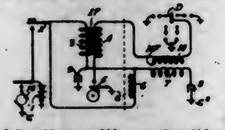
In combination with an internal combustion engine carburetor having a throttle valve and a constant level chamber, manual means for opening the throttle valve, a spring for closing the throttle valve, and means for resisting movement of said throttle valve comprising a dash pot communicating with said constant level chamber, and a cup-shaped piston in said dash pot permanently connected to said throttle valve, said piston including a relief vent, said dash pot having a reduced cylindrical end portion shaped to snugly



receive said piston during its movement therein, the open end of said cup-shaped piston facing the reduced end portion of said cylinder, said relief vent permitting the travel of said piston at a substantially predetermined constant rate in said reduced cylindrical end portion under tension of said spring, and walls tapered away from said reduced cylindrical end portion to permit a varying rate of movement of the piston toward said end portion.

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**2,117,422**
**IGNITION CIRCUIT**
**Harry B. Holthouse, Chicago, Ill.**
**Application August 27, 1934, Serial No. 741,610**
**46 Claims. (Cl. 123—148)**

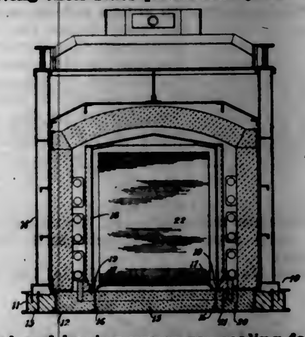


1. In combination with an ignition circuit including a current supply, spark coil including a secondary winding connected in series with an igniting spark gap and timer contacts, of a booster circuit including a high frequency winding and energizing circuit therefor responsive to control by the timer contacts, said winding being connected to amplify the output of the spark coil.

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**2,117,423**
**GAS SEALING BOX CONSTRUCTION FOR HEAT TREATMENT AND THE LIKE**
**William Howell, Warren, Ohio**
**Application June 14, 1937, Serial No. 148,097**
**4 Claims. (Cl. 266—5)**

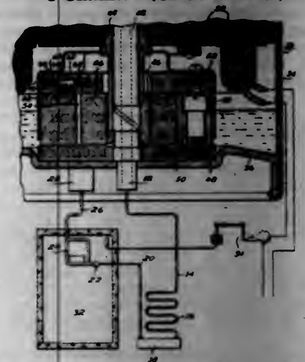
3. In heat treating furnace construction, a metal bottom plate, heat resistant covering material upon the bottom plate, outer gas sealing means, a removable downwardly opening box furnace having lower members adapted for gas sealing interfitting with the outer gas sealing means of the bottom plate, inner metal gas sealing members extending from the bottom plate and having their sides protected by the covering



material and having upper gas sealing faces, and a downwardly opening metal box having sides the lower edges of which removably seat upon the gas sealing faces of the metal gas sealing members of the bottom plate.

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**2,117,424**
**REFRIGERATING APPARATUS**
**Henry Huey, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware**
**Application March 29, 1935, Serial No. 13,719**
**4 Claims. (Cl. 230—227)**

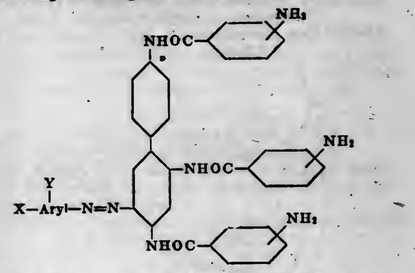


3. In a pumping system, a discharge port therein, a valve therefor having a natural frequency of vibration in operation, and means including a pump for impelling a fluid with pressure pulsations against said valve at a frequency of said pulsations equal to the natural frequency of the valve whereby said pressure pulsations cause said valve to operate to open and close said port substantially without noise.

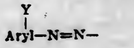
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**2,117,425**
**AZO DYES**
**Henry Jordan and Swanie S. Rossander, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**No Drawing. Application July 22, 1937, Serial No. 155,041**
**6 Claims. (Cl. 260—72)**

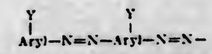
4. A compound represented by the formula:



in which X is one of a group consisting of hydrogen,



and

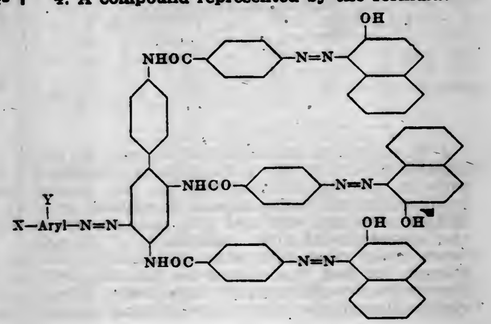


Y is at least one of a group consisting of hydrogen, halogen, alkyl, alkoxy, hydroxy, secondary amino, tertiary amino, carboxy, and sulfonic acid, and aryl has a single nucleus from the group consisting of benzene and naphthalene.

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**2,117,426**
**AZO DYES**
**Henry Jordan and Swanie S. Rossander, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**No Drawing. Application July 22, 1937, Serial No. 155,042**
**6 Claims. (Cl. 260—72)**

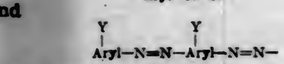
4. A compound represented by the formula:



in which X is one of a group consisting of hydrogen,



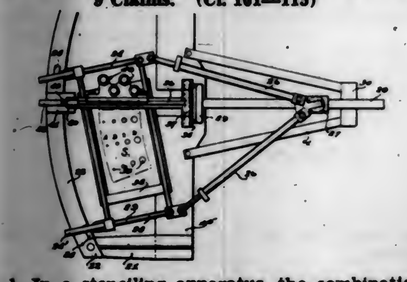
and



Y is at least one of a group consisting of hydrogen, halogen, alkyl, alkoxy, hydroxy, secondary amino, tertiary amino, carboxy, and sulfonic acid, and aryl has a single nucleus from the group consisting of benzene and naphthalene.

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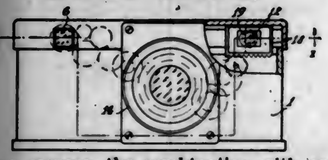
**2,117,427**
**METHOD AND APPARATUS FOR STENCILING ARTICLES**
**Earl Killy, Toledo, Ohio, assignor to Libbey Glass Company, a corporation of Ohio**
**Application November 17, 1936, Serial No. 111,284**
**9 Claims. (Cl. 101—115)**



1. In a stenciling apparatus, the combination with a stencil screen having pervious portions representing a design to be applied to an article, of a squeegee therefor in the form of an elongated strip of resilient material having a lower edge designed to make traveling line contact with said screen upon relative movement between said screen and squeegee, there being pockets in one side of said strip of material in which deposits of decorating material of a different nature are adapted to be confined during such relative movement.

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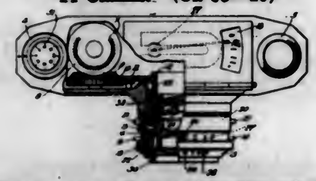
**2,117,428**
**PHOTOGRAPHIC CAMERA**
**Heinz Küppenbender, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany**
**Application October 26, 1935, Serial No. 46,839**
**In Germany October 29, 1934**
**12 Claims. (Cl. 95—44)**



1. In a camera, the combination with an adjustable lens, of a base distance meter, provided with an opening for observing the two images produced in the same, means operatively connecting said lens with said base distance meter and adapted to cause an adjustment of the distance meter when said lens is adjusted a diaphragm for said lens, means for adjusting said diaphragm to different apertures, and means visible through the observation opening of said base distance meter and provided with spaced indicating marks, at least one mark being provided for each image of said distance meter, said marks when two image portions are correctly matched and when appearing to touch similar points of two other laterally displaced image portions in the distance meter determine the correct diaphragm opening for reproducing the image point corresponding to the displaced image portions and which lies outside the plane for which the base distance meter and therewith the lens is adjusted with sufficient depth of focus in the image produceable by the lens.

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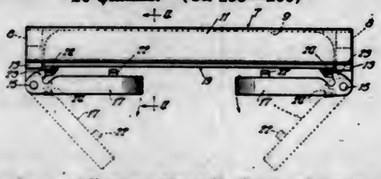
**2,117,429**
**CAMERA**
**Heinz Küppenbender, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany**
**Application November 5, 1936, Serial No. 109,273**
**In Germany June 26, 1936**
**14 Claims. (Cl. 95—10)**



1. In a camera, the combination of a photoelectric exposure meter, a lens system, a shutter, means for varying the speed of said shutter, a diaphragm, means for varying the aperture of said diaphragm, a variable resistance in the circuit of said photoelectric exposure meter, said resistance comprising two movable members, each being movable relatively to the other, means operatively connecting said diaphragm aperture varying means with one of the said movable members for varying said resistance when the diaphragm aperture is varied, means operatively connecting said shutter speed varying means with the other one of the said two members for varying said resistance when the shutter speed is varied, means for adjusting said resistance selectively for natural light, filtered light and artificial light passing through said lens system respectively, and means for adjusting said resistance for the use of various film speeds, both of said last named adjusting means being arranged in the first mentioned operative connection between said diaphragm aperture varying means and one of the said two members of said resistance.

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**2,117,430**
**PRAYER RAIL**
**William F. Liska, Chicago, Ill., assignor, by mesne assignments, to Holland Brass Works, a copartnership consisting of Frank B. Liska and William F. Liska, Chicago, Ill.**
**Application December 30, 1936, Serial No. 118,288**
**10 Claims. (Cl. 155—166)**



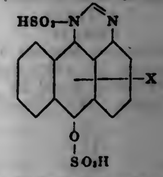
1. In a folding prayer rail, the combination of a back, a pair of side frames pivotally mounted on said back, and a knee rest pivotally mounted on said back and having portions engageable with portions of the respective side frames for swinging said frames on their respective pivots when the knee rest is swung on its pivot towards said back.



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**2,117,431**
**ESTERS OF LEUCOACYLAMINO-ANTHRAPYRIMIDINES**
**Karl Koeberle, Wilhelm Muenster, and Wilhelm Schneider, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware**
**No Drawing. Application August 6, 1937, Serial No. 157,738. In Germany April 4, 1935**
**8 Claims. (Cl. 260—32)**

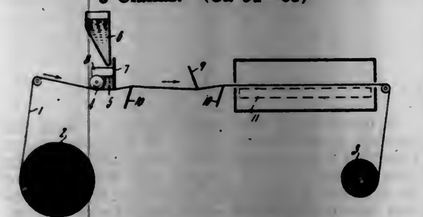
3. A leuco compound of the general formula



wherein X stands for an acylamino group.

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**2,117,432**
**PROCESS AND APPARATUS FOR IMPREGNATING FIBROUS SHEET MATERIAL**
**Chester E. Linscott, Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey**
**Application February 7, 1935, Serial No. 5,407**
**3 Claims. (Cl. 91—68)**

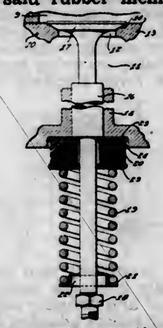


1. A process for impregnating textile sheet material with an aqueous dispersion of rubber comprising advancing the material, applying the aqueous dispersion of rubber to one surface of the material and driving the dispersion uniformly into and through the material, so that it exudes upon the opposite surface thereof, and distributing the dispersion which has been extruded through the interstices of the material smoothly and uniformly over the opposite surface of the material to form a continuous film thereover.

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**2,117,433**
**INTERNAL COMBUSTION ENGINE**
**Henry Krebs, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan**
**Application December 31, 1932, Serial No. 649,698**
**12 Claims. (Cl. 123—188)**

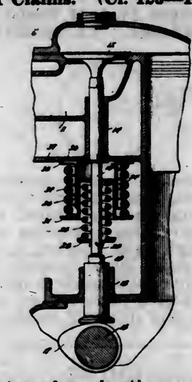
1. In an engine having a valve adapted to be reciprocated at a high frequency, closing means for the valve comprising a rubber member telescoping the valve stem and stationarily anchored at one end, and a coil spring telescoping the valve stem and having one end anchored axially relative thereto, said rubber member being under



axial compression and co-acting with the spring to reduce the surging thereof normally occurring in high frequency operation of the valve stem.

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**2,117,434**
**MOTOR VEHICLE**
**Henry Krebs, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan**
**Application August 21, 1935, Serial No. 37,249**
**11 Claims. (Cl. 123—188)**



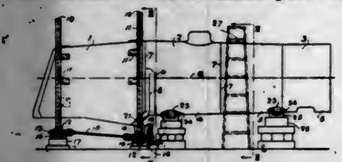
1. In an internal combustion engine, having an engine block provided with a passage for gas, a poppet valve movable to and from seating position to close and open said passage, and means including a cam for moving said valve from seating position, yielding means for moving said valve to seating position, said yielding means including a coil spring of conventional rate and a second coil spring of substantially higher rate constituting a yielding abutment for said first spring and acting in series therewith between said valve and engine block.

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**2,117,435**
**MACHINE FOR USE IN MANUFACTURING BOILER SHELLS**
**Clifford B. Langstroth, Plainfield, N. J.**
**Application May 20, 1937, Serial No. 143,677**
**2 Claims. (Cl. 113—99)**

1. A machine for supporting a boiler shell of part circular cross-sectional and part non-circular cross-sectional formation, to facilitate welding of transverse seams thereof, comprising a

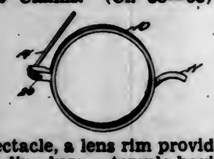
circular ring adapted to encircle said non-circular cross-sectional part with the axis of said circular cross-sectional part coinciding with the axis of said ring; a plurality of spaced fasteners secured to said ring and adapted to be detachably secured to said non-circular cross-sectional part; means for detachably securing said fasteners to said non-circular cross-sectional part whereby



said ring will be carried by said shell; a pair of rollers supportingly engaging said ring disposed one at each side of and beneath said axis of said ring; and a pair of rollers adapted to engage said circular cross-sectional part for support thereof, disposed one at each side of and beneath said axis of said ring, whereby said shell can be rotated about said axis of said ring during said welding.

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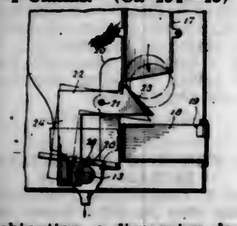
**2,117,436**
**SPECTACLE TEMPLE MOUNTING**
**Frank W. Lindblom, Cranston, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island**
**Application April 14, 1936, Serial No. 74,297**
**2 Claims. (Cl. 88—53)**



1. In a spectacle, a lens rim provided with outwardly-extending lugs, a temple having a portion with an opening therein located between said lugs, a stud on one lug extending into and only partially through said opening, a raised abutment on the other lug to engage the opposite side of the temple, and resilient means engaging said lugs and urging them toward each other to resiliently grip and pivotally mount said temple.

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**2,117,437**
**COIN CONTROLLED DISPENSING APPARATUS**
**Peter Lohn, New York, N. Y.**
**Application August 29, 1936, Serial No. 98,482**
**Renewed October 16, 1937**
**4 Claims. (Cl. 194—43)**



1. In combination, a dispensing device including a plunger operable to discharge material from a receptacle, a locking member normally retaining said plunger against operation, a chute for directing a coin into contact with said locking member to move the same to an inoperative position, so that said plunger can be operated, means to retain said locking member in the latter position, and means actuated by said plunger to render said retaining means ineffective.
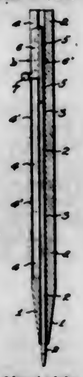
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**2,117,438**
**CLEANING COMPOSITION**
**Elizabeth P. MacDonald and Naomi W. Stenglein, Saginaw, Mich.**
**No Drawing. Application January 17, 1936, Serial No. 59,552**
**6 Claims. (Cl. 87—5)**

1. A cleaning mixture to be thereafter dissolved in water for cleaning painted or varnished surfaces consisting of 25% to 50% by weight of bone glue, and the balance consisting of a material selected from a class of substances consisting of borax, sodium carbonate and trisodium phosphate.

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**2,117,439**
**PENCIL**
**Felix Honorio Manzano, Buenos Aires, Argentina**
**Application October 31, 1935, Serial No. 47,702**
**In Argentina April 24, 1935**
**1 Claim. (Cl. 120—19)**



A pencil with adjustable length of lead, comprising a permanent body of suitable material provided with a longitudinal duct adapted to contain a lead so as to permit said lead to project at one end of said body, said body having a narrow longitudinal slot opening into said duct, a sliding member comprising a twin rod providing a longitudinal slit being slidably mounted in said duct for contacting with the lead, a stop member comprising a knife blade and being hingedly connected to the rod and adapted to swing out through said slot to release the rod when actuated by hand, a spur on the said blade situated between the ends thereof and adapted to pass through said slit in order to grip the wall of said duct and spreading the twin rod, thereby securing the lead in an adjusted position in the body, and a thin covering over said longitudinal slot, said covering being adapted to be cut by the knife edge of said stop member in open position when the sliding member is moved forward to adjust the position of the lead.

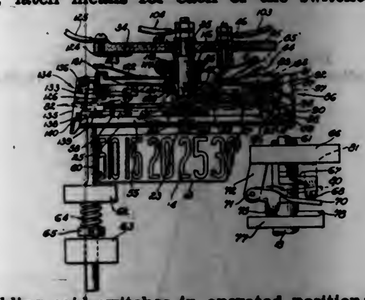
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**2,117,440**
**SPEED INDICATING DEVICE FOR VEHICLES**
**Donald E. Marshall, Palos Verdes Estates, Calif.**
**Application March 12, 1934, Serial No. 715,949**
**20 Claims. (Cl. 200—56)**

1. In combination with a speed responsive device for automotive vehicles: a control element



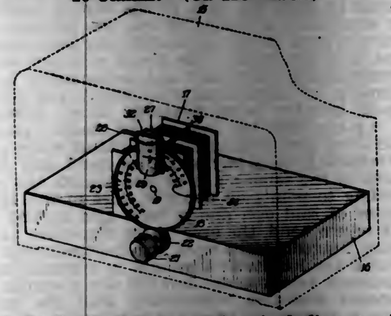
connected to said speed responsive device in a manner to be moved angularly thereof; switch means disposed above said control element; actuating means functioning to operate said switch means respectively as said control element is moved into conjunction with the switches thereof; latch means for each of the switches for



holding said switches in operated position; and releasing means operated by said actuating means so as to release the remaining of said switches when one of said switches is actuated in conjunction with the operation of its associated latch means under control of said control element.

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**2,117,441**
**INDICATING AND CONTROL APPARATUS**
**John L. McWeeny, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois**
**Application November 27, 1936, Serial No. 112,961**
**10 Claims. (Cl. 116—124.4)**

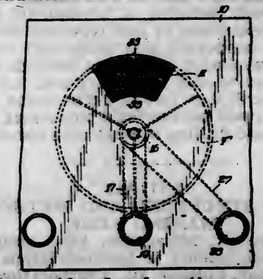


1. Radio tuning apparatus including a stationary dial having tuning readings in a curved line thereon, rotatable tuning means having a pointer operable upon movement of said tuning means to indicate the tuning position thereof, and a transparent viewing lens supported for movement over the curved line of tuning readings for changing the curved line of tuning readings indicating the tuning position to a substantially straight line of tuning readings at any position of the lens in front of the dial.

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**2,117,442**
**INDICATING AND CONTROL APPARATUS**
**John L. McWeeny, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois**
**Application December 8, 1936, Serial No. 114,804**
**8 Claims. (Cl. 116—124.4)**

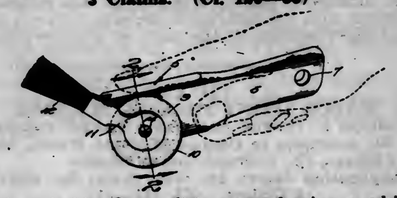
1. Indicating apparatus for a radio receiver including a translucent dial having at least two scales each of a different color thereon, a light source at the rear of the dial, and a color filter in front of the dial and intermediate the dial and an observer having at least two transparent colored sections with each said section colored to correspond with one of the scale colors, means for



supporting said colored sections comprising a movable frame having a rim thereon and intermediate supporting arms, and means for causing the dial scales to lie behind the color filter in a manner to make one of said colored scales relatively more visible than another to the observer.

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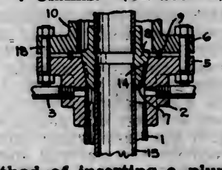
**2,117,443**
**ERASER HOLDER**
**Ten Eyck T. Mosher, Peacedale, Glenmont, N. Y.**
**Application April 14, 1936, Serial No. 74,347**
**3 Claims. (Cl. 120—36)**



1. A holder for a disk eraser having a whisk brush comprising a body having a counterseat in one face thereof at one end and a handle at the opposite end, a fastener carried by the body at the counterseat for the detachable securing of a disk-like eraser within said counterseat, and a shoulder at the forward end of the body next to the counterseat for abutment of a whisk brush bearing for said eraser therewith.

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**2,117,444**
**METHOD OF SETTING AND EQUIPPING CASING IN WELLS AND DRILLING UNDER CONTROL**
**Robert A. Mueller and John R. Yancey, Houston, Tex., assignors to Gray Tool Company, a corporation**
**Application December 8, 1934, Serial No. 756,654**
**7 Claims. (Cl. 255—1)**



1. A method of inserting a plurality of concentric strings of pipe into a well equipped with well casing and casing head; including sealing a

string of pipe to prevent entrance of well fluid thereto from the well, providing a temporary seal between said string and casing at the upper end of the well to prevent escape of fluid around said pipe, moving said pipe downwardly through said seal, hanging said pipe in said casing head and simultaneously forming a permanent seal between the upper end of said pipe and said casing below said temporary seal while said temporary seal is still available, cementing through said pipe string, removing said temporary seal, introducing a drill and drill stem into said pipe string, forming a temporary seal between said pipe string and said drill stem, and drilling through said cement.

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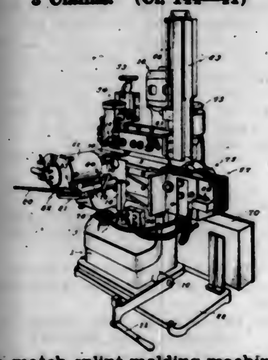
**2,117,445**
**FINNED STRUCTURE AND METHOD OF MAKING SAME**
**Louis Niemchek, Milwaukee, Wis., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation**
**Application April 3, 1936, Serial No. 72,549**
**10 Claims. (Cl. 113—118)**



1. The method of producing a finned structure, which comprises, providing a helix of protuberances upon the exterior of a pipe, and forcing the corrugated edge of a helical fin into intimate contact with the exterior of the pipe between the successive sections of the helix of protuberances.

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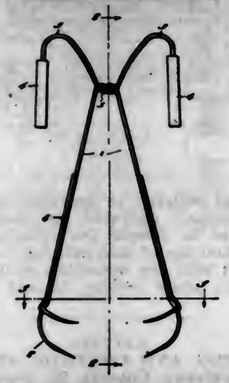
**2,117,446**
**MATCH SPLINT FORMING MACHINE**
**Rudolph F. Onsrud and Oscar Onsrud, Chicago, Ill., assignors to Onsrud Machine Works, Inc., Chicago, Ill., a corporation of Illinois**
**Application March 20, 1936, Serial No. 69,910**
**3 Claims. (Cl. 144—41)**



1. In a match splint molding machine a frame structure having mounted thereon an auxiliary frame for vertical movement on said frame structure; said frame structure carrying above said auxiliary frame a supply magazine for material operated upon, a belt conveyor for such material, a pressure foot, a cutter and pressure foot all in succession; said auxiliary frame being equipped with a belt feed for the material operated upon, a cutter, and a grooved plate for receiving material as cut and opposed to one of said pressure feet; a common drive means for both of said belt conveyors, and a sliding connection between said drive means and the lower belt conveyor arranged to maintain operative relationship between said drive means and the lower belt conveyor irrespective of the vertical movement of said lower frame member.

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**2,117,447**
**MEAT LIFTER**
**Dominic Paleni, Columbia, Utah**
**Application June 16, 1937, Serial No. 148,580**
**1 Claim. (Cl. 294—106)**



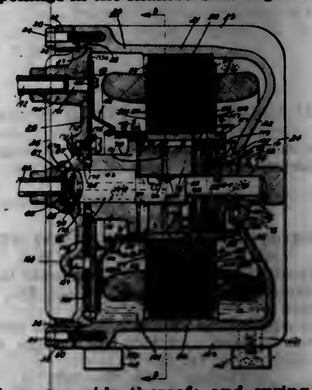
A meat lifter of the class described comprising a pair of duplicate companion wire units, the major portion of each wire unit being formed from a single length of wire bent upon itself at points between the ends of the wire to provide an assembling and hinging eye, the portions on opposite sides of the eye constituting distinguishable shank members, one shank member being longitudinally elongated and terminating in a plurality of meat grappling hooks, the other shank member being relatively short, disposed in a plane with the first named shank member and being bent at a substantial obtuse angle and terminating in a lateral return bend also disposed in the same plane as said shanks and extending to points on opposite sides of the axial center of said eye, and a hand grip carried by the return bend, the eyes of the respective units being hingedly connected together whereby to dispose the longitudinal shanks in opposed companionate relationship, and the short shanks in opposed diverging relationship with the hand grips in substantial spaced parallelism.

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**2,117,448**
**COMPRESSOR**
**William G. Pontis, William A. Chryst, Carl H. Kindl, and Bayard D. Kunkle, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware**
**Application November 30, 1931, Serial No. 577,986**
**Renewed November 25, 1935**
**21 Claims. (Cl. 230—177)**

1. In a motor compressor, the combination of a sealed housing; a stator; a rotor; a cylinder block having a cylinder bore therein carried within the rotor; a shaft having concentric and eccentric portions, the cylinder block being rotatably carried by the concentric portion of the shaft; a double acting piston in said cylinder bore forming compression chambers therein, said piston engaging the eccentric shaft portion and being reciprocated thereby in response to rotation of the cylinder about said shaft; ducts provided in the piston and shaft and cooperating to introduce a fluid medium into the compression chambers; openings in the chambers having valve seats





formed on one side thereof; and spring-loaded valves yieldingly urged against said seats and operated at a predetermined pressure to provide communication between the sealed housing and the compression chambers.

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**2,117,449**
**REVERSIBLE DRESS**
**Michael H. Porter, Brookline, Mass.**
**Application October 12, 1937, Serial No. 168,580**
**3 Claims. (Cl. 2—74)**

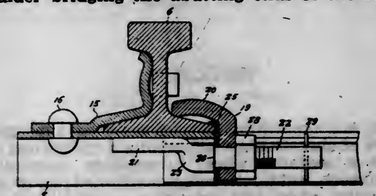


1. A reversible dress comprising a yoke extending over the shoulders with its edges located substantially below the neck at both front and back, and blouse and skirt portions, the material of the blouse portion being gathered and stitched to said yoke at both the front and back, said dress also having an elastic portion extending around the garment and forming the waist band.

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**2,117,450**
**BONDING RAIL JOINT TIE**
**Dean Boyden Richardson, New Kensington, Pa.**
**Application January 29, 1938, Serial No. 187,746**
**1 Claim. (Cl. 238—59)**

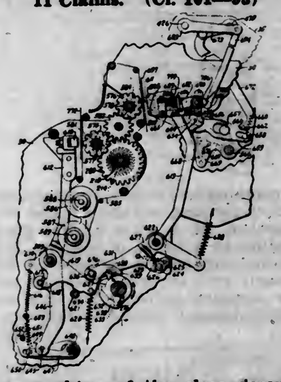
A rail bonding tie comprising a tie having a top surface and having a rail attaching structure at one end and a rail attaching and bonding structure at its opposite end, the latter structure consisting of a rail engaging cleat fastened to the tie at the outer side of the rail bases for bridging a pair of rail ends, a threaded shank extending inwardly from the bottom of said surface of the tie from a point under the rails and having a shoulder thereon formed adjacent the inner edge of the rail bases, a bonding plate for abutting said shoulder bridging the abutting ends of the rails



at the bases thereof, said top surface having an opening extending inwardly from a point adjacent said inner rail base edges and a clamp plate slidable on the shank and against the rail bases for forcing the bonding plate into snug bridging engagement with the abutting ends of the rails and into engagement with said shoulder and means on the shank for feeding the clamping plate into bonding position said bonding plate and clamp plate being received in said opening.

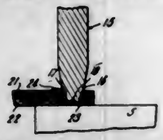
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**2,117,451**
**CASH REGISTER**
**William H. Robertson, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland**
**Original application January 10, 1930, Serial No. 419,938. Divided and this application June 21, 1935, Serial No. 27,619. In Canada March 24, 1930**
**11 Claims. (Cl. 101—93)**



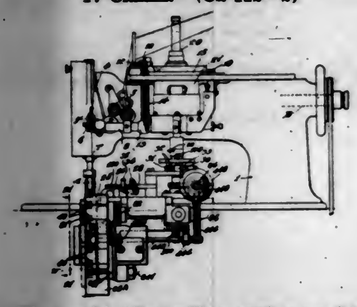
1. In a machine of the class described; the combination with a manipulative device; a printing hammer; and means to cause the printing hammer to deliver a plurality of impression blows at each operation of the machine; of normally idle means to block the printing hammer against operation; a tension member to shift the blocking means to effective position; means controlled by the manipulative device to actuate the tension member; and means to release the blocking means for movement into blocking position and then restore said blocking means into idle position.

2,117,452
**CUT SEAMING MACHINE**
William J. Robinson and James J. Galligan, Providence, R. I., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application September 8, 1932, Serial No. 632,182
4 Claims. (Cl. 154—42)



1. An apparatus for cut seaming superposed plies of sheet rubber comprising a cylindrical roll, and a seaming wheel in resilient cooperation therewith, said roll being positioned below said seaming wheel and extending a substantial distance to both sides of the point of cooperation of said roll and wheel, said wheel having a severing edge and a compressing and uniting portion adjacent said edge, said portion having an outer edge of less diameter than said severing edge and intermediate portion between said edge and uniting portion being of still less diameter.

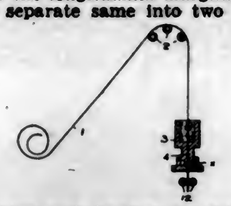
2,117,453
**DEVICE FOR PREDETERMINING LOCATION OF FASTENERS**
Leo Roseman, Newark, N. J.
Application August 13, 1935, Serial No. 35,953
17 Claims. (Cl. 112—2)



1. The combination with a sewing machine including stitch forming mechanism and work feeding mechanism, of a scale having graduations corresponding to a series of stitches formed by the machine, and means for moving said scale synchronously with the work stitch by stitch and means for stopping movement of said scale and holding it stationary during the sewing operation.

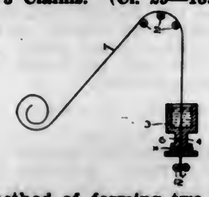
2,117,454
**METHOD OF MANUFACTURING STRIP METAL BEARING STOCK**
Louis Sandler, New Castle, Pa., assignor to Johnson Bronze Company, New Castle, Pa., a corporation of Pennsylvania
Original application October 23, 1935, Serial No. 46,296. Divided and this application June 9, 1937, Serial No. 147,302
3 Claims. (Cl. 29—189)

3. The method of forming bearing strips, which consists in sealing a steel tube by flattening throughout its length to close its interior, applying bearing metal to the outer sides thereof, then trimming off the longitudinal marginal edges of the tube to separate same into two like strips



of steel backing each having one side provided with bearing metal.

2,117,455
**METHOD OF MANUFACTURING STRIP METAL BEARING STOCK**
Louis Sandler, New Castle, Pa., assignor to Johnson Bronze Company, New Castle, Pa., a corporation of Pennsylvania
Original application October 23, 1935, Serial No. 46,296. Divided and this application June 9, 1937, Serial No. 147,303
3 Claims. (Cl. 29—189)



3. The method of forming two like strips of bearing material simultaneously, which consists in providing a strip of steel, folding the same longitudinally of its middle into flat superposed relation with the edges registering, applying a strip of bearing metal while in a molten state to the two opposite sides leaving a margin of the steel backing at its longitudinal edges, then removing the margins to separate the strip into two like parts.

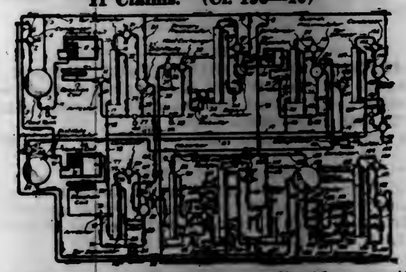
2,117,456
**VALVE CONSTRUCTION**
John C. Schellin, Wooster, Ohio, assignor to Akron Brass Manufacturing Company, Incorporated, Wooster, Ohio, a corporation of Ohio
Original application December 22, 1934, Serial No. 758,789, now Patent No. 2,063,699, dated December 8, 1936. Divided and this application September 5, 1936, Serial No. 99,592
3 Claims. (Cl. 251—103)



1. Valve construction including a casing having an inlet passage and an outlet passage, walls forming a tubular valve chamber disposed transversely between and communicating with the passages, a pair of cup-shaped sleeve members located in and coaxial with said valve chamber and having spherical inner surfaces, said cup-shaped members having valve orifices registering with said inlet and outlet passages and each orifice having an area less than that of the registering passage, and a spherical valve slidably fitting in the spherical surfaces of the cup-shaped members and adapted to rotate on a transverse axis perpendicular to the valve chamber, said valve having a through orifice adapted to register and conform to the valve orifices in the cup-shaped members.



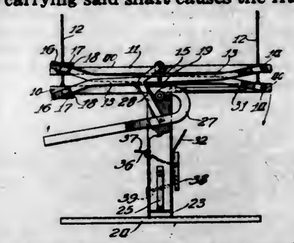
2,117,457
**METHOD OF CONVERTING HYDROCARBONS**
Hermann Claus Schutt, North Tarrytown, N. Y., assignor, by mesne assignments, to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application October 24, 1935, Serial No. 46,542
11 Claims. (Cl. 196—10)



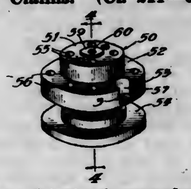
1. The process for obtaining liquid aromatic hydrocarbons from normally gaseous olefin-containing hydrocarbons, which comprises separating said gaseous hydrocarbons into fractions of successively lower boiling range, separately heating a fraction of higher boiling range to initiate polymerization of the unsaturates present, introducing the heated fraction to a reaction zone wherein formation of polymers occurs, removing the products of reaction from the reaction zone, fractionally separating the products of reaction into a tar fraction, an aromatic polymer fraction and unpolymerized hydrocarbons of successively lower boiling ranges, separately heating unpolymerized hydrocarbons so separated to a temperature at which said hydrocarbons will be converted into unsaturated hydrocarbons, combining gaseous reaction products from the last mentioned conversion step with a first mentioned fraction of lower boiling range than the fraction subjected to the aforesaid polymerization step separately heating the combined gas fractions to initiate polymerization of the unsaturates present, introducing the heated fractions last mentioned to a separate reaction zone wherein formation of polymers occurs, removing the products of reaction from said last mentioned zone, and fractionally separating said last mentioned products of reaction into a tar fraction, an aromatic polymer fraction and normally gaseous hydrocarbons.

2,117,458
**MATTRESS TUFTING MACHINE**
Jacob Sohn, Joliet, Ill.
Application August 10, 1936, Serial No. 95,127
2 Claims. (Cl. 45—138)

1. A mattress tufting machine comprising two relatively movable frames adapted to compress a mattress between them, means maintaining said frames in register and substantially parallel, a longitudinal shaft rotatably mounted on one frame, an actuating lever rigidly mounted on one end of said shaft, an arm rigidly mounted on the other end of said shaft, links connecting said lever and said arm to opposite ends of the other frame whereby the actuation of the lever relative to the frame carrying said shaft causes the frames relatively to approach and separate, trunnion means and standards for pivotally supporting the first said frame, said lever, shaft and links being formed to clear the adjacent trunnion means.

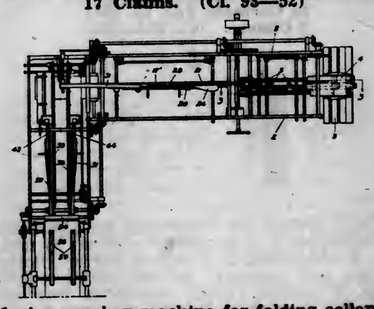


2,117,459
**TOOTH BRUSH HOLDER**
Samuel John Samelow Stanton, Chicago, Ill.
Application November 9, 1936, Serial No. 109,914
2 Claims. (Cl. 211—65)



1. As a new object of manufacture, a tooth brush holder comprising an upper and a lower section, with an air space between them, the upper section provided with apertures vertically through it for the accommodation of tooth brushes, bristle heads up, the lower section separated by the said air space from the upper section forming a rest platform for the tooth brush handles, ends down, when vertically accommodated through the said apertures, at least one of the said sections having stepped levels, the two sections held fixedly together as a unit by at least one interconnecting element forming a part of the unit constituting said tooth brush holder.

2,117,460
**PAPER BOX MAKING MACHINE AND METHOD OF FOLDING**
Edwin G. Staude, Minneapolis, Minn.
Application December 19, 1936, Serial No. 116,725
17 Claims. (Cl. 93—52)



1. A paper box machine for folding collapsible set-up box blanks having an inward fold in the

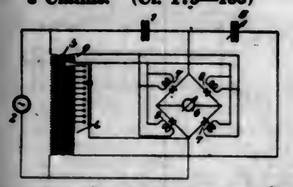
center of the box bottom, comprising means for constantly feeding the blank, means for folding the ends on the bottom, means for folding the bottom over the first side wall, means for folding back one-half of the bottom, and means for folding the other side wall over the bottom and the first side wall to produce an accordion fold for said bottom.

2,117,461
**EARTHWORKING TOOL**
Herman Stemman, Stevensville, Mont.
Application May 22, 1937, Serial No. 144,250
3 Claims. (Cl. 97—203)



1. In an earth working tool of the character described, in combination with a tool supporting shank, a duck foot adapted to be secured to the end of the shank, said duck foot at its lower edge being provided at the forward end thereof, and at each of two sides thereof, with depending lugs, and a substantially triangular earth working blade provided with openings corresponding in number to the lugs on said duck foot and positioned relative to one another corresponding to the relative position of the lugs for engaging said lugs to secure the blade on the duck foot against rotative movement relative thereto, said blade being also provided inwardly from the edges thereof with an opening, an apertured clamping plate disposed between and resting on the upper edges of the sides of said duck foot, and a bolt extending upwardly through the last mentioned opening in said blade and the opening in said clamping plate and cooperating with the clamping plate for securing the blade positively to said duck foot.

2,117,462
**SYSTEM FOR MEASURING A COMPONENT OF AN ALTERNATING CURRENT OR AN ALTERNATING VOLTAGE**
Wilhelm Thal, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application July 24, 1936, Serial No. 92,338
In Germany July 25, 1935
8 Claims. (Cl. 175—183)

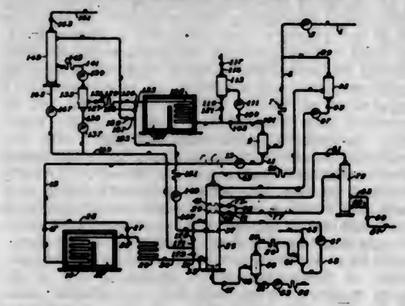


1. In a system for measuring an alternating current property of an electric element by measuring a component of a testing current flowing through said element, an alternating current source, a testing circuit connected with said source and designed to include the element to be tested, a reference circuit coupled with said source, means for producing in said reference circuit a phase displacement of 180° against the current flowing in said testing circuit, a reference element of variable reactance in said reference circuit for balancing the reactance of said testing element, said testing circuit and said reference circuit having a common branch, a measuring instrument disposed in said common branch so as to be traversed by said testing current as well as by said reference current, and means for balancing the magnitudes of the component not to be measured of the testing current and of the corresponding component of said reference current, whereby the component not to be measured is compensated in magnitude and phase within said common branch containing said instrument and only the component to be measured is directly indicated by said instrument.

2,117,463
**METHOD OF PRODUCING ISOPULEGOL**
Charles O. Terwilliger, Birmingham, Ala., assignor, by mesne assignments, to Theodore Swann, Birmingham, Ala.
No Drawing. Application September 28, 1936, Serial No. 102,981
12 Claims. (Cl. 260—153)

1. A method of converting citronellal to isopulegol which comprises heating with agitation citronellal and a diatomaceous earth catalyst containing metallic impurities up to 8%.

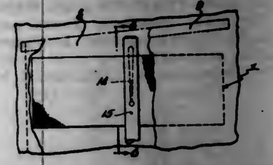
2,117,464
**THERMOLYTIC CONVERSION OF HYDROCARBON GASES TO LIQUID**
John W. Throckmorton, New York, N. Y., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application July 23, 1937, Serial No. 155,152
12 Claims. (Cl. 196—10)



1. The process of converting gas mixtures, containing chiefly $C_2$, $C_3$ and $C_4$ hydrocarbons, to liquid hydrocarbons which comprises separating the mixture into a fraction containing chiefly $C_3$ and $C_4$ hydrocarbons and another fraction containing $C_2$ hydrocarbons and lighter gases, subjecting each fraction in a separate zone to suitable conditions of time, temperature and pressure for converting the gaseous constituents to liquid hydrocarbons boiling within the gasoline boiling range, separating the bulk of the $C_2$ and lighter gases from the reaction products of the lighter gases and eliminating them from the system, charging the remainder of the reaction products resulting from said conversion of the lighter gases to a common fractionating zone together with the reaction products of the $C_3$, $C_4$ hydrocarbons, separating the incondensible gases from the normally liquid hydrocarbons, and uniting the incondensible gases with the fresh gas prior to separation thereof into fractions.

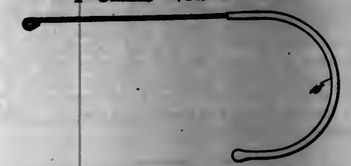


2,117,465
**POCKET HOLDING DEVICE**
Francis W. Tully, Brookline, Mass.
Application January 6, 1937, Serial No. 119,239
3 Claims. (Cl. 2—250)



1. In combination, a pocket and a holder therein to engage the clips of pencils, fountain pens and the like, comprising a firm, resilient nonmetallic band, of sufficient width and thickness to receive the clip on the pencil or pen, and attached at its ends transversely within the pocket by a thermoplastic adhesive at a point sufficiently below the opening and leaving an unattached portion intermediate of the ends, thereby to receive the pen or pencil and hold it completely within the pocket and obscured from view.

2,117,466
**COVER FOR SPECTACLE TEMPLES**
James W. Welsh, Providence, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island
Application April 14, 1936, Serial No. 74,317
1 Claim. (Cl. 88—52)

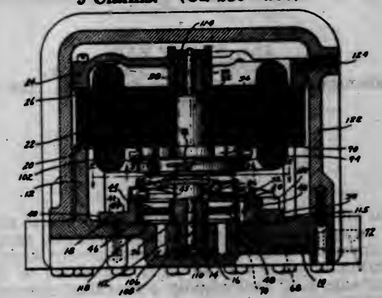


A spectacle temple comprising a metal core, a rubber coating on the ear engaging portion thereof tightly gripping the core with all air excluded by reason of the coated portion being dipped, said coating having as one piece therewith a sealing end extending across the tubular coating and of a size larger than the diameter of the coated core.

2,117,467
**POROUS NITER CAKE PELLETS AND METHOD OF MANUFACTURING THE SAME**
John F. White, Medford, Mass., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application March 16, 1937, Serial No. 131,212
8 Claims. (Cl. 23—121)

1. The method which comprises subjecting relatively finely divided niter cake to agitation while heating at a temperature sufficiently elevated to cause agglomeration of the said relatively finely divided niter cake but said temperature being below the melting point of said niter cake and continuing at said temperature, until the particles become agglomerated, and subsequently separating pellets of the desired size from the mixture.

2,117,468
**REFRIGERATING APPARATUS**
Glenn W. Wolcott, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 31, 1934, Serial No. 737,789
9 Claims. (Cl. 230—207)



1. In a motor-compressor unit, a base having a main shaft lower bearing, an upstanding motor support on said base, a spider on and above said motor support, a bearing on said spider, a compressor on said base above said main shaft lower bearing, a motor stator on said motor support, a hollow main shaft in said bearings, a motor rotor and an eccentric on said main shaft between said bearings, a stationary lubricant feed screw supported within said main shaft from said spider, and a bell sealed to said base independently of said motor support.

2,117,469
**INJECTION INSTRUMENT**
Rollin T. Woodyatt, Chicago, Ill.
Application April 28, 1933, Serial No. 668,294
Renewed March 26, 1937
14 Claims. (Cl. 128—215)



1. As an article of manufacture, an injection instrument including: a hypodermic syringe having thereon a hypodermic needle, a container adapted to contain a sterilizing fluid, and means for sealing the syringe in said container; said means comprising flanges on said syringe and said container, a protecting tube adapted to fit around said container, and a cap adapted to screw onto the said tube, said cap and said tube being of a size to squeeze said flanges together as the cap is screwed onto the tube.

13. A pocket-size syringe carrying case comprising a tubular member and a cap for said tubular member having threaded connection

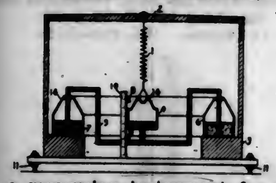
therewith to close an open end thereof and to hold the syringe within the member, said cap also having detachable connection with the tube to form a self-sustaining stand with said cap in an open end up position, in which position said cap is adapted to hold a vial in a vertical position.

2,117,470
INK STAMP PAD
Walter Zareko, New York, N. Y.
Application October 6, 1936, Serial No. 104,157
1 Claim. (Cl. 91—54.5)



An ink stamp pad, comprising a receptacle with the receptacle from the bottom thereof, and a an upward flange extending completely around plurality of separate ink pads assembled in the receptacle, and individually removable upwardly through the space surrounded by such flange, the flange extending above the pads and providing means for guiding the ink stamp in a substantially definite position to the pads, and each individual pad having its own pad-material enclosing shell exposing the inking surface at the top, the upper edges of such shells extending sufficiently upward to prevent ink from creeping from each individual pad to its neighbor.

2,117,471
GRAVIMETER
Haaken Muus Evjen, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application February 20, 1937, Serial No. 126,866
7 Claims. (Cl. 265—1.4)



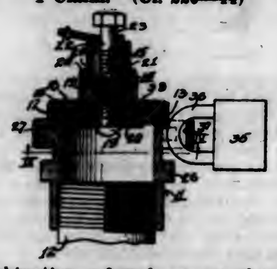
1. In a measuring instrument for the determination of gravity acceleration, a spring, a hollow body suspended from said spring, fluid in said body, a fluid conduit connected to said body and means whereby upon a change in the position of said body produced by a change in gravitational acceleration, a fluid flow alters the mass of said body increasing said initial change in position.

2,117,472
BEARING PACKING
Zeno E. Flick, Jackson, Mich., and Jacob R. Price and Lester G. Seacat, Kansas City, Mo.
Application January 18, 1936, Serial No. 59,704
3 Claims. (Cl. 154—45.5)



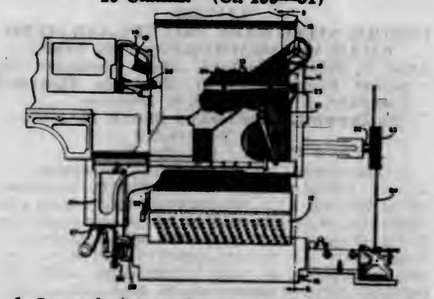
1. A packing including a tubular strip having integrally connected walls forming a sheath of trapezoidal cross-section to provide inclined end walls connected by parallel walls, the longer of said parallel walls being of increasing thickness from its center toward its juncture with the inclined end walls, a support in the sheath bearing against the juncture points of the thicker portions of said longer wall with the adjacent inclined end walls, and a lubricant impregnated material contained in the space defined by said walls and surrounding said support.

2,117,473
CAP AND ADAPTER FOR SAME
William N. Glab, Dubuque, Iowa, assignor to Morrison Brothers Company, Dubuque, Iowa, a corporation of Iowa
Application December 6, 1935, Serial No. 53,149
1 Claim. (Cl. 220—44)



In combination, a female cap member having a centrally disposed portion defining an upwardly extending socket having an opening at its upper end, a valve in said cap having a reciprocable stem disposed in said socket, a bolt extending through said opening and threadedly engaging the end of the stem in said socket, a compression spring tending to move said valve away from the socket, the engagement of the head of said bolt with the adjacent portion of the cap operating to limit said valve movement, a tubular male member insertable into the female cap member and engageable with said valve, whereby the valve is moved against said spring and the inserted end of the male member closed by the valve, and means for securing the male and female members in cooperative association.

2,117,474
CONTROL MECHANISM FOR LINECASTING AND COMPOSING MACHINES
Maurus T. Goetz and Harold W. Hudson, Chicago, Ill., assignors, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware
Application February 27, 1937, Serial No. 128,147
19 Claims. (Cl. 199—51)



1. In a selector mechanism, a plurality of ordinarily individually responsive instrumentalities,



a pair of concurrently responsive instrumentalities, and means controlled by one of the last mentioned instrumentalities for causing one of said ordinarily individually responsive instrumentalities to respond concurrently with said pair of instrumentalities.

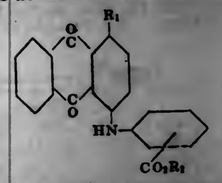
2,117,475
MEANS FOR SECURING HEELS TO SHOES
Hiram Gordon and Albert C. Rogge, Columbus, Ohio, assignors to Lock-On Heel Company, Chicago, Ill., a corporation of Illinois
Application May 23, 1936, Serial No. 81,476
11 Claims. (Cl. 12—147)



8. The method of forming shoe heel seats, which comprises securing the outsole and insole of a shoe to the uppers thereof, transversely and inwardly slitting the outsole in registration with the breast line of a heel to be attached thereto, forcing a pronged metallic heel attaching plate into engagement with the heel region of the outsole so that the prongs of said plate will be pressed through said outsole and insole and clinched in engagement therewith, and, simultaneously with the attachment of said plate, cutting the outsole to remove a U-shaped blank therefrom whereby to cause said plate to completely cover the heel receiving region of the outsole.

2,117,476
ANTHRAQUINONE DYESTUFFS AND THEIR MANUFACTURE
Norman Hulton Haddock and Frank Lodge, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 21, 1937, Serial No. 121,712. In Great Britain January 22, 1936
7 Claims. (Cl. 260—66)

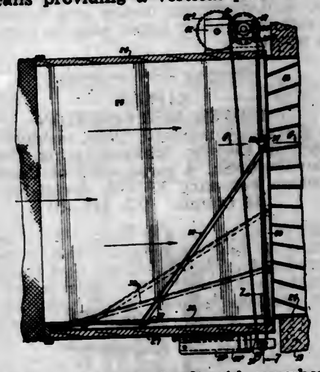
1. Sulfonic acids of compounds of the formula



in which $R_1$ stands for a substituent chosen from the group consisting of hydroxy, amino and methylamino, $R_2$ is a radical of the class consisting of alkyl and alkenyl radicals of 8–18 carbon atoms, and in which there may be not more than two additional substituents chosen from the group consisting of halogen and methyl.

2,117,477
VENTILATING SYSTEM
John R. Hall, Minneapolis, Minn., assignor to United States Air Conditioning Corporation, Minneapolis, Minn., a corporation of Minnesota
Application March 12, 1936, Serial No. 68,414
5 Claims. (Cl. 98—37)

3. An equalizer structure for use in connection with the discharge end of the air duct of a ventilating system comprising a rectangular, open ended casing and including top, bottom and side walls, means in said casing for controlling the effective area of said casing and comprising a plate-like member, means providing a guided horizontal movement for the rear end of said member, means providing a vertical path of move-

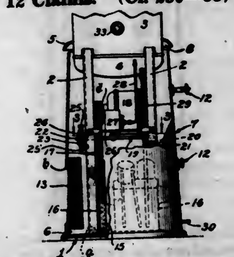


ment for the front end of said member with respect to the side walls of said casing, and means operatively connected to a part of said last mentioned means for causing movement of the front and rear ends of the member in said paths at substantially a right angle to each other in either direction.

2,117,478
CURING OF MEATS AND THE LIKE
Lloyd A. Hall, Chicago, Ill., assignor to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application August 25, 1934, Serial No. 741,508
6 Claims. (Cl. 99—222)

1. A solid curing composition for meats and materials containing hemoglobin comprising solid acid substance, particles containing curing nitrite salt, and sodium chloride jackets surrounding said particles, said jackets being effective in the solid composition to separate the acid substance and the nitrite salt to avoid reaction between them in the presence of small amounts of water or moisture, whereby substantial loss of nitrite value is avoided.

2,117,479
AIR COMPRESSOR UNIT
Alfred Hallett, Los Angeles, Calif.
Application October 25, 1934, Serial No. 749,879
12 Claims. (Cl. 230—58)

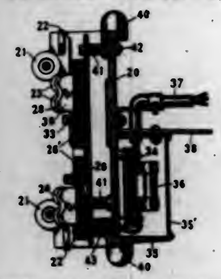


1. In an air compressor unit, the combination of an elongate air receiver tank mounted with its

longitudinal axis in a substantially vertical plane; a supporting frame for said tank; an air compressor and operating means for said compressor, both mounted below said tank and within the area delineated by said supporting frame; and a housing having an air inlet adjacent its lower end, said housing enclosing said frame, compressor and operating means and being spaced from said tank at its upper edge to form an air outlet passage.

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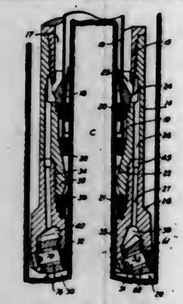
**2,117,480**
**POWER DISTRIBUTION**
**Frank Harvey, Cincinnati, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut**
**Application February 3, 1936, Serial No. 62,213**
**16 Claims. (Cl. 247—3)**



1. In a power distribution system, a bus bar conduit having a slot in the bottom and otherwise surrounding the bus bars and having laterally projecting side flanges forming tracks on the outer sides of the conduit, a carriage having contacts engaging the bus bars in the conduit and rollers supported on the tracks along the outer sides of the conduit and other guide rollers engaging the outside edges of the tracks and supports for the contacts extending through the slot in the bottom of the conduit.

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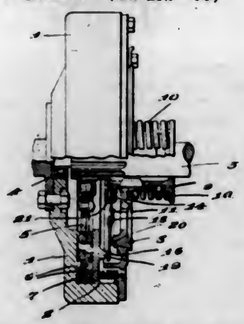
**2,117,481**
**ROCK CORE DRILL HEAD**
**John H. Howard, Huntington Park, and Alfred C. Catland, Alhambra, Calif.; said Catland assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California**
**Application February 19, 1935, Serial No. 7,209**
**9 Claims. (Cl. 255—72)**



1. In a well drill, a body having a recess and an opening intersecting the recess, a pin threaded in the opening at one side of the recess, a head on the pin engaging the body wall at the other side of the recess whereby the pin ties together the wall portions of the body at opposite sides of the recess, a shoulder on the pin opposing a wall of the recess, a bearing surface on said wall, a rotatable cutter on the pin, and a washer on the pin between an end of the cutter and said wall and having an end surface held in cooperation with the said bearing surface by the shoulder on the pin.

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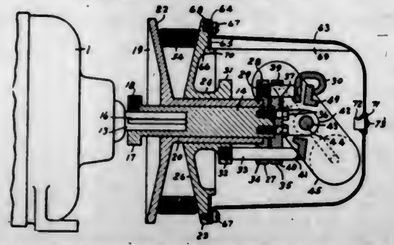
**2,117,482**
**CLUTCH-LEVER PLATE**
**Hugo C. Klix, Syracuse, N. Y., assignor to W. C. Lipe Inc., Syracuse, N. Y., a corporation of New York**
**Application May 19, 1937, Serial No. 143,564**
**9 Claims. (Cl. 192—99)**



2. A clutch-lever element of the class described comprising an annular series of levers arranged with slots separating them throughout the greater part of their length and U-shaped means joining each lever to the adjacent lever at the inner ends thereof and forming an integral part of the levers.

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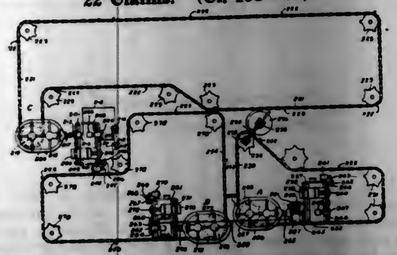
**2,117,483**
**VARIABLE SPEED DEVICE**
**Darcy E. Lewellen and Emmons F. Lewellen, Columbus, Ind.**
**Application July 12, 1935, Serial No. 31,036**
**5 Claims. (Cl. 74—230.17)**



1. A variable speed device comprising a shaft, means to rotate said shaft, a pulley half slidable along said shaft and having a hub extending along said shaft, a second pulley half slidable independently of said first pulley half upon the hub thereof, a centrifugal member, means upon the end of said shaft pivotally supporting said centrifugal member and means operatively connecting said centrifugal member with said pulley halves to simultaneously move both of said pulley halves oppositely relatively to one another in response to the outward motion of said centrifugal member upon the rotation of said shaft.



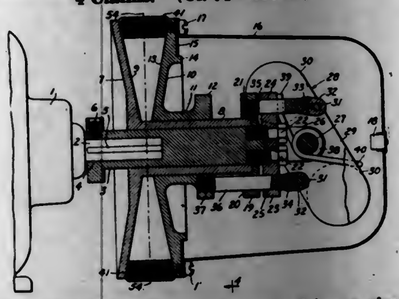
**2,117,484**
**SPEED SYNCHRONIZING DEVICE**
**Darcy E. Lewellen and Emmons F. Lewellen, Columbus, Ind.**
**Application September 23, 1935, Serial No. 41,760**
**22 Claims. (Cl. 198—20)**



1. A synchronizing system including a major machine and a plurality of minor machines, means for varying the speeds of said minor machines independently of each other and of said major machine, means associated with said minor machines and responsive to the speed of said major machine for synchronizing the speeds thereof with the speed of said major machine, and means associated with said minor machines for maintaining substantially constant relative positions of a moving element of each minor machine.

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**2,117,485**
**VARIABLE SPEED DEVICE**
**Darcy E. Lewellen and Emmons F. Lewellen, Columbus, Ind.**
**Application October 11, 1935, Serial No. 44,594**
**4 Claims. (Cl. 74—230.17)**

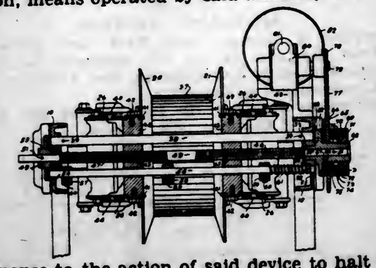


3. A variable speed device comprising a shaft, means to rotate said shaft, a pulley half having an extended hub slidably mounted on said shaft, a second pulley half having a hub slidably mounted on the hub of said first pulley half, a tie member extending longitudinally from each pulley hub, a pivot member mounted on said shaft, a connecting member pivotally mounted on said pivot member, means operatively engaging said tie members with said connecting member at opposite sides of said pivot member, and yielding means urging said connecting member in a direction adapted to urge said pulley halves toward one another.

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**2,117,486**
**VARIABLE SPEED TRANSMISSION**
**Darcy E. Lewellen and Emmons F. Lewellen, Columbus, Ind.**
**Application February 24, 1936, Serial No. 65,287**
**13 Claims. (Cl. 192—141)**

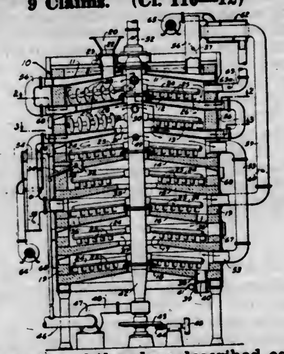
1. In combination, a screw shaft, an auxiliary shaft, a threaded member on said screw shaft, a device on said auxiliary shaft adapted to be engaged by said threaded member when said threaded member arrives at a predetermined position, means operated by said auxiliary shaft in



response to the action of said device to halt the rotation of said screw shaft and to hold said screw shaft in a halted position, and releasable means for driving said screw shaft adapted to rotate relatively thereto upon the halting thereof by said auxiliary shaft.

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**2,117,487**
**INCINERATION**
**George R. Lewers, Brooklyn, N. Y., assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y., a corporation of New York**
**Application October 3, 1936, Serial No. 103,875**
**9 Claims. (Cl. 110—12)**

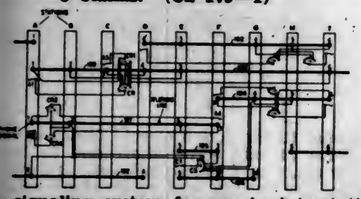


8. Apparatus of the class described comprising a tiered multiple-hearth furnace having a plurality of vertically spaced hearths extending across the furnace to divide it into compartments and having outlets through which material introduced at the top of the furnace may pass downwardly to the lowermost hearth and then be discharged from the furnace, means at the outlet of an intermediate hearth to prevent the passage of gas through said intermediate hearth and divide the furnace into an upper drying section and a lower burning section, the hearths of the drying section being hollow and of material having relatively high heat conductivity, means conducting gases and vapors from the drying section to the burning section, means for conducting hot exhaust gases of combustion from the burning section through the hollow hearths of the drying section for heating the solids and gases therein, rabbling means cooperating with material on said hearths and including a hollow shaft receiving air at its lower end and supplying air to the compartments of the drying sec-

tion, and means for preheating air supplied to the hollow shaft by heat interchange with exhaust gases from the burning section.

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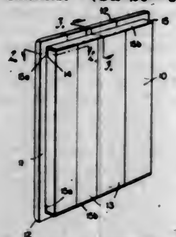
2,117,488
**SIGNALING SYSTEM**
Clarence E. Lomax, Oak Park, and John H. Voss, Downers Grove, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application January 10, 1935, Serial No. 1,110
3 Claims. (Cl. 179—1)



1. A signaling system for use in interstation communication confined to a small area comprising, a plurality of stations, at least one telephone at each of said stations, a plurality of independent lines interconnecting the telephones of said stations in a manner such that each line and certain of said telephones comprise a unitary signaling system operable independently of the condition of each of the other unitary systems thus formed, a call signal associated with each of said telephones, calling means individually associated with at least a portion of said telephones, and switching means associated with each of said lines and adapted to be interconnected with the calling means and call signals associated with the telephones of the corresponding lines to permit selective operation of any call signal of any line from any calling means of the same line, each of said switching means being so located relative to the telephones connected to the associated line as to be at the approximate wire center of the interconnections between the switching means, the calling means and the call signals of the said associated line.

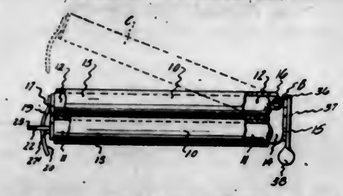
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2,117,489
**FLAT SLAB CONSTRUCTION**
Sern Madsen, Clinton, Iowa, assignor, by mesne assignments, to Curtis Companies Incorporated, Clinton, Iowa, a corporation of Iowa
Application February 18, 1937, Serial No. 126,450
7 Claims. (Cl. 20—91)



4. In a slab structure, a plurality of slab members secured together edge to edge and having flush ends, one end of the slab having a slot extending lengthwise of such end and a spline having a flange tightly received in the slot and a second flange folded double with its free edge underneath and resting against the end of the slab.

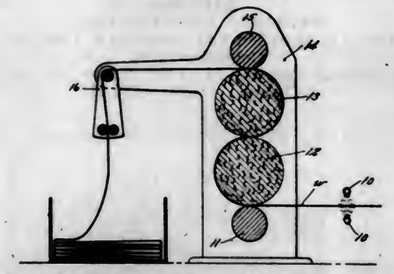
2,117,490
**HAIR CURLING CLAMP**
Antonino Massola, Jefferson, Tex.
Application March 20, 1936, Serial No. 69,834
5 Claims. (Cl. 132—33)



1. A hair curling clamp including, a pair of hair clamping bars, an elongate latch member extending from one end of one of the bars, teeth on one side of the member, a keeper on the other bar for receiving the member, and a knife edge on the keeper for engaging the teeth on said elongate member for fastening the bars in various spaced clamping positions.

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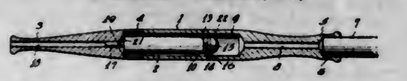
2,117,491
**METHOD OF DAMPENING FABRICS**
Thomas McConnell, Northampton, Mass., assignor to Hampton Company, Easthampton, Mass., a corporation of Massachusetts
Application January 9, 1937, Serial No. 119,833
1 Claim. (Cl. 8—5)



A method of dampening fabric in web form which comprises applying water to the web in an amount at least sufficient to fill the meshes of the fabric, removing surface water before the water so applied has had time to penetrate substantially the fibrous structure of the fabric and transferring the mesh held water to the fibers by successive rolling pressure operations with intervening periods of substantial pressure release.

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2,117,492
**SMOKING APPARATUS**
Arthur Frank Meyer, San Francisco, Calif.
Application July 22, 1936, Serial No. 91,896
6 Claims. (Cl. 131—10)



1. In a smoking apparatus, a smoke-conveying conduit, a container adapted to hold material to mix with smoke, means for by-passing some of the smoke through the container from the conduit and for returning the treated smoke to the conduit, and means for controlling the amount of smoke by-passed through the container.



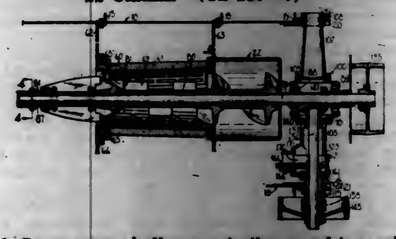
2,117,493
**PUMP**
Frank J. Miller, Santa Monica, Calif.
Application September 16, 1937, Serial No. 164,097
6 Claims. (Cl. 166—20)



1. In combination, a well strainer, a pump barrel therein, a plunger reciprocable in said barrel, a skirt secured at its upper end to said barrel and spaced from said barrel below said upper end, a packer between the lower end of said skirt and said strainer, there being an opening in said barrel adjacent the upper end of said skirt to allow the passage of fluid from beneath said skirt to said pump barrel.

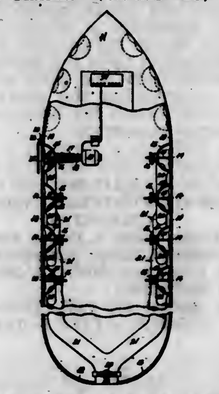
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2,117,494
**CORN SHELLER**
Leonard B. Neighbour, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 7, 1933, Serial No. 674,603
22 Claims. (Cl. 130—7)



1. In a corn sheller or similar machine subjected to twisting strains, the combination of a frame, a rotatable shaft, bearing means for one end of said shaft carried by said frame, two axially spaced bearing means for the other end of said shaft arranged in alignment with said first bearing to support said shaft for free rotation on said frame, and means for supporting said two spaced bearing means on said frame to maintain their alignment with said first bearing means and comprising a support carried by said frame for limited rocking movement about an axis passing between said two spaced bearing means whereby distortion of the frame will not bind said shaft and the pressure on one of said two bearing means tending to rock said supporting means about said axis is substantially balanced by the tendency of the pressure on the other of said two bearing means to rock the supporting means in the opposite direction.

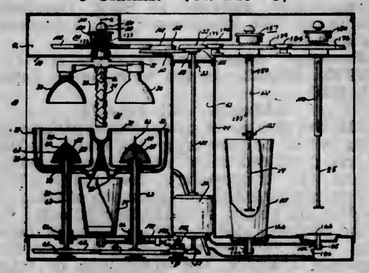
2,117,495
**PROPULSION MEANS FOR WATERCRAFT**
Lester E. Norquist, Denver, Colo.
Application July 16, 1937, Serial No. 153,938
5 Claims. (Cl. 115—16)



1. The operative association with a water craft of propulsion and control means comprising intake ports opening through opposite sides of the craft hull adjacent the bow and below the waterline of said craft, an intake chamber cooperating with each of said ports within said craft, a water wheel operatively disposed in each of said intake chambers, power means in selectively driving relation with said water wheels, an outlet conduit from each of said intake chambers directed rearwardly and downwardly of the craft, a longitudinal header conduit communicating with the outlet conduits on each side of the craft, said header conduits converging to a junction adjacent the stern of the craft, an outlet passage communicating with the combined header conduits and opening through the stern of the craft, and valve means associated with said outlet passage and operable to establish flow through said header conduits and between the oppositely-disposed sets of intake chambers.

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2,117,496
**COMBINED JUICE EXTRACTOR AND MIXER**
Francis John Osuch, Detroit, Mich., assignor, by mesne assignments, to Robot Products Corporation, Detroit, Mich., a corporation of Michigan
Application August 30, 1935, Serial No. 38,577
5 Claims. (Cl. 146—3)



1. In a device of the character described, a support, a motor carried by said support, a plurality of rotatable juice extracting elements, shaft

means for rotating said juice extracting elements, a plurality of squeezers adapted to cooperate with said juice extracting elements, means for controlling the movement of said squeezers within certain limits to and from said juice extracting elements, and clutch means positioned in the path or movement of one of said squeezers and operable by the engagement of one of said squeezers therewith upon the movement of said squeezers away from said juice extracting elements for interrupting the operation of said squeezers, even though the juice extracting elements continue to operate.

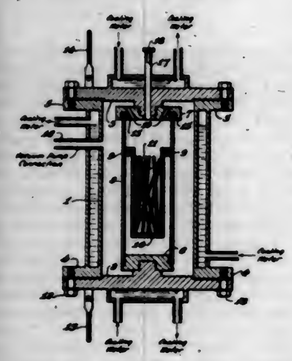
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2,117,497

## METHOD OF PURIFYING CARBON OR GRAPHITE

James S. Owens, John S. Peake, and Richard G. Fowler, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application August 27, 1937, Serial No. 161,294
3 Claims. (Cl. 176—133)



1. In a method of purifying a carbon or graphite electrode, the step which consists in subjecting the electrode to electrical heating without the passage of current through the electrode at a temperature above about 2100° C. at a pressure below about 10 inches of mercury.

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2,117,498

## PROCESS FOR POLYMERIZATION OF OLEFINES

Johannes Nicolaas Jacobus Perquin, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 1, 1937, Serial No. 123,482. In the Netherlands February 11, 1936
4 Claims. (Cl. 196—78)

1. In the process of producing synthetic lubricating oils by polymerizing long chain olefines of the type produced in the vapor phase cracking of paraffin, the improvement comprising effecting the polymerization in the presence of from about 2 to 10% by weight of aluminum chloride, based on the olefines, and in the presence of between about 2 and 20% water by weight based on the aluminum chloride, the conditions of reaction and the proportions of materials being such as to produce a polymerized product having a higher viscosity and a lower bromine number as compared with a product produced under the same conditions but without the ratio of water set forth.

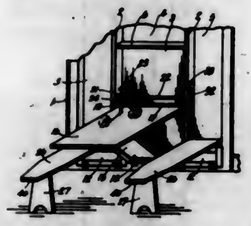
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2,117,499

## COMBINATION IRONING BOARD AND BENCH FOR BREAKFAST TABLE

Irl I. Polson, Oklahoma City, Okla.

Application January 14, 1936, Serial No. 59,005
1 Claim. (Cl. 38—127)



In a convertible combination, a cabinet adapted to be positioned within a wall and being provided with vertical side members, a flat topped first member adapted to be used as either a bench or an ironing board, a leg hinged to the flat topped member for supporting the outer end thereof, fastening means for holding the said leg against the under side of the said member when used as an ironing board, a horizontal cross member within the said cabinet for indirectly supporting the inner end of the said flat topped member, a brace hinged to the said cross member by a plurality of hinges attached to the inner end of the said brace, the inner end of the said flat topped member, when used as a bench, resting on the said brace as a support, a double acting hinge consisting of two hinges and an intermediate connecting member for securing the outer end of the said brace to the under side of the said flat topped member adjacent its mid-section, fastening means for holding the said outer end of the said brace and the folded double acting hinge against the under side of the said first member when used as a bench, a bar secured to the edge of the inner end of the said first member, extensions on the ends of the said bar, guide bars secured to the vertical side members of the said cabinet for coacting with the said extensions when the said first member is raised vertically to form an ironing board supported at its mid-section by the said brace and the now unfolded and extended, three-part, double acting hinge, anchor stops on the said cabinet above the upper ends of the said guide bars for engaging said extensions and thereby cooperating with said brace and hinge to hold the ironing board in a horizontal position and means for securing the said flat topped member in a folded position within the cabinet.

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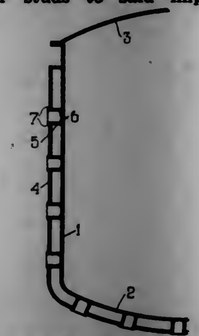
2,117,500

## METHOD OF MAKING JACKETED VESSELS, PARTICULARLY STEAM-JACKETED BOILING PANS

Niels Edward Rambush and Philip Arthur Andrews, Stockton-on-Tees, England

Application April 1, 1935, Serial No. 14,174
In Great Britain June 6, 1934
4 Claims. (Cl. 29—148.2)

1. The method of securing a jacket to a vessel having an imperforate wall which consists in mounting outside of said imperforate wall a shell having perforations therein, thereafter disposing tubular studs in said perforations in contact with the exterior of said imperforate wall, and welding said tubular studs to said imperforate wall



through the interiors of said tubular studs and securing said tubular studs to said shell.

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2,117,501

## DECORATING DEVICE STRUCTURE

Lambert L. Raymond, Minneapolis, Minn.

Application March 29, 1935, Serial No. 13,637
5 Claims. (Cl. 41—10)



5. A suspended member forming an ornamental device and made of a narrow elongated strip of thin flexible material, said member having a slit cut therein from one side adjacent its upper end and extending at a small angle to the longitudinal axis of said strip to form a tongue and a small flexible fabric cord extending transversely of said tongue and wedged thereunder at the end of said slit and extending upwardly centrally of said strip and forming a support therefor, said flexible cord thus having no movement relative to said strip.

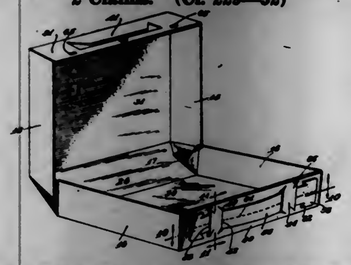
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2,117,502

## FOLDABLE CONTAINER

Samuel Reich, New York, N. Y.

Application February 21, 1936, Serial No. 65,011
2 Claims. (Cl. 229—52)



1. A rectangular container comprising a blank having a relatively foldable bottom, side and end walls and top closures, said end walls and closures being superposed when the container is closed, one of said closures having two spaced pairs of transverse slits having respectively angularly converging and diverging terminals and the other presenting an opening, a flexible tongue extending into the opening, and a handle having enlarged heads having barbed ends to pass through the mentioned slits to engage the angularly converging and diverging terminals thereof, said handle being accessible through the opening in the mating closure when the container is closed, the opening being concealed by said tongue.

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2,117,503

## POWER TAKE-OFF

Arnold C. Richardson, Kansas City, Mo.

Application December 14, 1936, Serial No. 115,662
5 Claims. (Cl. 64—22)



1. In combination with a universal joint including a pair of joint members, a power take-off member having a web portion interposed between said joint members, and fastening devices separately connecting the respective joint members with said web portion of the power take-off member.

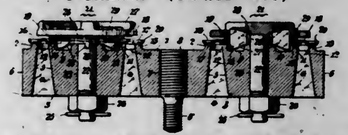
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2,117,504

## GROUP VALVE UNIT

Maurice F. Richardson, Berwyn, Pa.

Original application September 28, 1935, Serial No. 42,576, now Patent No. 2,090,486, dated August 17, 1937. Divided and this application April 19, 1937, Serial No. 137,649
3 Claims. (Cl. 251—119)



1. In a group valve set comprising a discous member with a central securing stem and plural ported-seat sections in a common plane, an individual spring-influenced axially apertured valve disc for each seat section, a spider like stop structure including an annular guard ring with an axial stem for its attachment centrally of said seat section, and an abutment shoulder inset relative to the annular guard ring, a removable guide member having radial arms and an axially apertured portion for engagement on the stop structure stem intermediate the abutment shoulder and the central part of the ported-seat section, said removable guide member radial arms diverging relative to the ends of its axially apertured portion, and the ported-seat section being annularly grooved to accommodate the lower divergent edges of the guide member radial arms.

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2,117,505

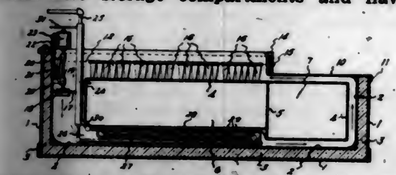
## REFRIGERATING CABINET

George D. Reinhardt, San Antonio, Tex.

Application July 31, 1936, Serial No. 93,700
3 Claims. (Cl. 62—160)

1. A refrigerating cabinet, comprising, an elongate horizontal insulated outer casing having a liquid-proof lining, a portion of said cabinet ad-

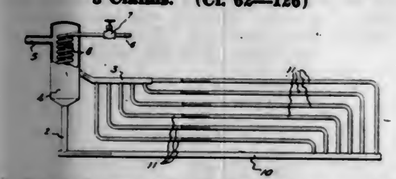
jacent one end being open at the top, a cold plate covering another top portion adjacent the opposite end of the cabinet, an inner housing of heat conductive material within the cabinet and spaced from the bottom and end walls but in contact with the side walls thereof, means for forcibly circulating a fluid cooling medium through the space between the walls of the cabinet and said inner housing and in intimate contact with said inner housing and said cold plate, said inner housing being divided into storage compartments and having



means of access through doors in the side walls of the cabinet, dry tanks within the space at one end between the walls of the cabinet and said inner housing and emersed within the circulated fluid cooling medium therein, congealing molds accessible through the open top portion of the cabinet emersed in the circulated fluid cooling medium and supported directly upon the top of the inner housing, and a refrigerating unit including a heat transfer element located in the space beneath said inner housing for attemperating said fluid medium.

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**2,117,506**
**REFRIGERATING APPARATUS**
**George D. Reinhardt, San Antonio, Tex.**
**Application July 31, 1936, Serial No. 93,701**
**3 Claims. (Cl. 62—126)**

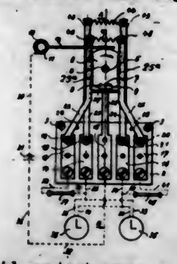


3. In a refrigerating apparatus, an accumulator shell connected at its upper portion to an evaporator to receive the refrigerant overflow from the evaporator, the liquid separation of the overflow precipitating and accumulating in said shell, a pipe leading from the bottom of said accumulator shell to the refrigerant inlet of the evaporator, said pipe extending vertically into the lower part of the shell and having a vertically disposed annularly apertured aspirator tube coupled axially to its upper end, and a supply pipe from a source of liquid refrigerant under high pressure extending through said shell and having a nozzle member directed vertically downward axially in said aspirator tube with its lower end terminating below the annular series of apertures of said aspirator tube, said nozzle member having an axial passageway therethrough, the upper portion of which is restricted and the lower portion flaring downwardly to the end of the member.

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**2,117,507**
**CONTACT DEVICE FOR ELECTRIC MASTER CLOCKS**
**Ferdinand Schneider, Fulda, Germany**
**Application December 28, 1935, Serial No. 56,457**
**3 Claims. (Cl. 200—26)**

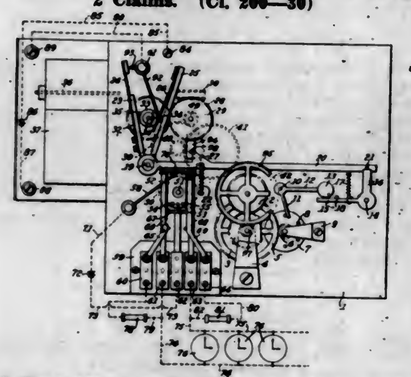
1. A switch mechanism for electric master-clocks comprising, a disk having a conducting surface and rotated at constant speed, means to connect the conducting surface of said disk to a source of current, a pair of rigid contact arms pivotally mounted adjacent said disk, one upon each side of the axis thereof, a pin secured to said disk in conducting relationship with the conducting surface thereof and engageable alter-



nately with said contact arms, a tension spring having its ends secured to but insulated from the free ends of said arms and operable to swing said arms toward the axis of said disk, and a fixed contact element arranged alternately to make electrical contact with said contact arms and form a stop for limiting the swinging movement of said arms toward the axis of said disk.

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**2,117,508**
**ELECTRICALLY DRIVEN MASTER CLOCK**
**Ferdinand Schneider, Fulda, Germany**
**Application December 28, 1935, Serial No. 56,459**
**2 Claims. (Cl. 200—30)**



1. In a switch mechanism for master clocks and the like and which is operable by means of a small actuating force, the combination of a relatively fixed contact, a pivoted bell crank lever, a movable contact carried by one arm of said bell crank lever and cooperable with said fixed contact for completing an electrical circuit, resilient means for moving said bell crank in a direction to close said contacts, a latch for holding said bell crank against movement by said resilient means, a weighted element, means for periodically raising said weighted element and releasing it for relatively free falling movement, means for receiving impact of falling movement of said weighted element and transmitting the energy therefrom to said latch to move the latter to releasing position, whereby said bell crank lever may move to contact closing position, and means for moving said bell crank lever to contact opening position.



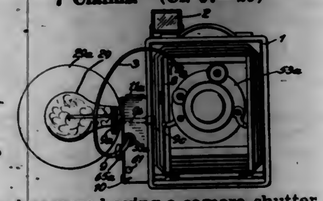
**2,117,509**
**FLASHLIGHT AND SHUTTER OPERATING DEVICE FOR CAMERAS**
**Morris Schwartz, Brooklyn, N. Y.**
**Application June 16, 1934, Serial No. 730,879**
**6 Claims. (Cl. 67—29)**



3. In a flashlight and shutter operating device attachable to a camera, a spring operated shutter actuator, a trigger release therefor, a spring driven rotatable disc to release said trigger, a flash light circuit contact carried by said disc, a companion contact plate secured to a rotatably adjustable insulated disc, said companion contact plate situated in the path of the movement of said insulated disc contact, the movement of said insulated disc causing a variable space relation between said contacts, said space relation indicated by scale division markings visible on the outside surface of the device aforesaid.

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**2,117,510**
**CAMERA ATTACHMENT**
**Morris Schwartz, Brooklyn, N. Y.**
**Application April 3, 1935, Serial No. 14,435**
**7 Claims. (Cl. 67—29)**

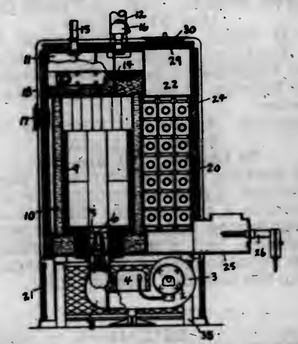


1. In a camera having a camera shutter, a battery container having a battery therein mounted on said camera, said mounting effected through the medium of a hand turning screw projecting through said container and into said camera, a flash lamp socket to contain a flash lamp mounted on said container; a flash light and camera shutter releasing unit attached to said container; a plunger rod in said unit for actuating said camera shutter through the medium of a cable release between said unit and said camera shutter, a spring for actuating said plunger; a turning knob for winding said spring; and push button means on said unit for causing the release of said plunger rod simultaneously with the release of means contained in said unit for causing the flashing of the flash lamp aforesaid.

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**2,117,511**
**OIL FURNACE**
**Lewis L. Scott, St. Louis, Mo.**
**Application January 10, 1935, Serial No. 1,127**
**3 Claims. (Cl. 122—333)**

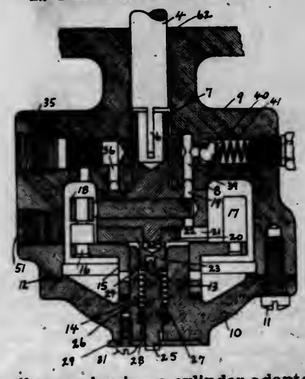
1. In a boiler, an oil burner having a nozzle arranged and adapted to spray oil vertically, vertical walls of refractory material spaced from the axis of the nozzle and extending upwardly from the level of the nozzle a sufficient distance to surround the space of active combustion and forming a combustion compartment, a water shell over the compartment, a water shell near the bottom of the compartment, one or more water legs about the compartment connecting the shells, an economizer chest parallel to said compartment and communicating at its top with the top of the compartment, a flue outlet from the chest, and water tubes in the chest connected between said shells.



2. In a boiler, a combustion compartment, a water container over and above said compartment, a casing having sound absorbing walls about the top and sides of the boiler, an oil burner tube opening into the combustion compartment, and a sound absorbing blanket about said tube adjacent the compartment.

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**2,117,512**
**OIL BURNER**
**Lewis L. Scott, St. Louis, Mo.**
**Application March 28, 1935, Serial No. 13,470**
**12 Claims. (Cl. 103—160)**



1. An oil pump having a cylinder adapted to be rotated, a piston adapted to rotate with said cylinder and to reciprocate therein, means for causing the piston to reciprocate in said cylinder, a pump housing containing said parts having an inner wall to which the inner face of the pump cylinder is seated, an intake port and a discharge port in said wall, said ports being alternately connected to the space between the end of the piston and the end of the cylinder in which the piston reciprocates when said cylinder is revolving, means to deliver oil to the discharge port during only a part of its delivery stroke and to by-pass

the oil during the remaining period of said delivery stroke, and a relief port adjacent the discharge port and communicating with the interior of the pump housing arranged and adapted to prevent excessive pressure in the pump cylinder during a portion of the delivery stroke.

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2,117,513

**ABRASIVE WHEEL AND METHOD OF MAKING THE SAME**

Arthur G. Scutt, Niagara Falls, and Albert L. Ball, Lewiston Heights, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

No Drawing. Application November 27, 1935, Serial No. 51,884

10 Claims. (Cl. 51—280)

1. An abrasive article comprising particles of hard abrasive, a filler of condensation resin that was cured to a substantially infusible condition and comminuted before admixture with abrasive particles, and a binder of synthetic resin cured in intimate contact with the abrasive particles and the precured resinous filler.

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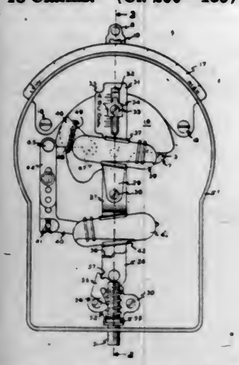
2,117,514

**THERMOSTATIC SWITCHING MECHANISM**

Sylvanus C. Shipley, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Original application April 20, 1932, Serial No. 606,440. Patent No. 2,063,898, December 15, 1936. Divided and this application August 1, 1934, Serial No. 737,917

18 Claims. (Cl. 200—139)



1. A switching mechanism of the class described, comprising, in combination, a condition responsive actuator, a pivoted mercury switch, an adjustable lost motion connection adapted to provide a variable coefficient of action therebetween, said connection comprising a pin associated with said switch and a plate having an irregularly shaped aperture therein into which said pin projects, a scale plate having evenly spaced graduations thereon adjacent said pin, a pointer rigidly affixed to and carried by said pin cooperating with said scale, said aperture being substantially triangular, one side thereof comprising an arc whereby movement of said pointer and hence said pin any equal distance with respect to said scale plate causes a change in the value of the condition to which said actuator responds in equal amounts corresponding to said equal distance of movement.

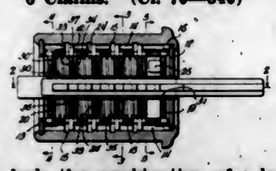
2,117,515

**LOCK**

Emil Sinner, Milwaukee, Wis.

Application March 24, 1937, Serial No. 132,704

6 Claims. (Cl. 70—340)



1. In a lock, the combination of a housing, a barrel mounted for rotation in said housing, key controlled tumblers slidably mounted in said barrel and having locking projections engageable with parts of said housing to normally prevent rotation of said barrel relative to said housing, and guard means for said tumblers preventing movement thereof except by a guest key when turned in one direction to a placement position and by a master key when turned in the opposite direction to a placement position.

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2,117,516

**RECEPTACLE**

Nina Skidelsky, New York, N. Y., assignor to Changette, Inc., New York, N. Y., a corporation of New York

Original application July 22, 1932, Serial No. 623,947. Divided and this application September 27, 1934, Serial No. 745,749

3 Claims. (Cl. 206—37)



1. A receptacle comprising an article holding box open at its top and at one end, a normally closed spring-controlled hinged closure for the open end of the box and being carried thereby, a cover member for the open top side of the box slidable thereover, means for limiting the slidable movement of the cover in one direction, and article retention means arranged within the box, the articles being forcibly ejected from the box by moving the same against and across the hinged closure when the cover is moved to an article uncovering position.

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2,117,517

**DELIVERY DEVICE FOR WRAPPING MACHINES**

Elmer L. Smith, Longmeadow, and Carlton Wetsel, Springfield, Mass., assignors to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts

Original application July 28, 1936, Serial No. 92,972. Divided and this application July 16, 1937, Serial No. 154,036

3 Claims. (Cl. 198—35)

1. A stacking apparatus for wrapping machines and the like comprising means for forwarding



articles along a channel, an upwardly inclined ledge along which the articles are moved, an oscillating paddle operable to strike the articles from the top and to move their rear ends down-



wardly faster than their front ends, and a conveyor receiving the articles moved downwardly by the paddle, said conveyor having a rate of progress such that the articles will be received upon it in overlapping position.

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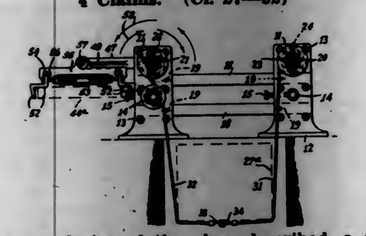
2,117,518

**VAULT LOWERING DEVICE**

Joseph Smola, Omaha, Nebr.

Application August 23, 1937, Serial No. 160,495

4 Claims. (Cl. 27—32)



4. In a device of the class described, a supporting frame, means for supportably moving a vault vertically, cover lifting and swinging means adapted for engagement with the vault cover for lifting said cover and swinging same outwardly of the frame and for returning said cover onto the vault, and means for disconnecting the cover swinging means from operative association with the device.

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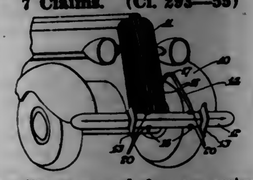
2,117,519

**GRILLE GUARD FOR AUTOMOBILES**

Benjamin L. Snyder, Philadelphia, Pa.

Application December 30, 1936, Serial No. 118,176

7 Claims. (Cl. 293—55)



7. An auxiliary guard for an automobile and attached to the bumper thereof, said guard comprising a single rigid integral member having a portion disposed upwardly and above the bumper and also having spaced end portions extending vertically downward, and clamping devices which simultaneously grip the upper and lower edge portions of the bumper and said vertically extending portions for securing the guard to the bumper.

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2,117,520

**OPERATING MECHANISM FOR CLUTCHES**

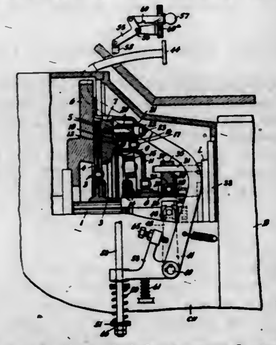
Charles B. Spase, Nedrow, N. Y., assignor to W. C. Lipe Inc., Syracuse, N. Y., a corporation of New York

Application April 11, 1933, Serial No. 665,738

Renewed November 20, 1936

9 Claims. (Cl. 192—105)

1. In a clutch including a throw-out collar operable to disengage the clutch, an operating lever for operating the throw-out collar to disengage the clutch and centrifugal means for automatically throwing in the clutch at a predetermined R. P. M. and for throwing out the clutch at less than said predetermined R. P. M. and independently of the operating lever; the combination of clutch spring means acting, when effec-



tive, to hold the clutch engaged and means operable at the option of the operator independently of the operating lever for connecting and disconnecting the spring means into and out of effective connection with the throw-out collar, said spring means being located outside of the clutch assembly.

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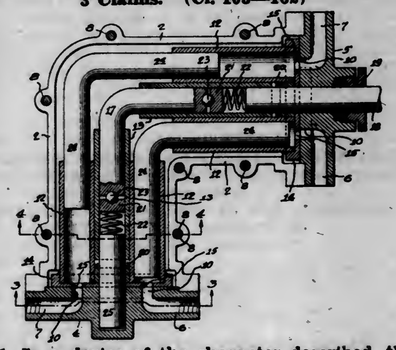
2,117,521

**PUMP OR COMPRESSOR**

Roy Stevens, Detroit, Mich., assignor, by direct and mesne assignments, of one-third to Everett E. McGuire, Royal Oak, Mich., and one-third to Hanford C. Cuddeback, Detroit, Mich.

Application December 28, 1936, Serial No. 117,686

3 Claims. (Cl. 103—162)



1. In a device of the character described, the combination of a casing having end portions extending in angular relation to each other and provided with end heads formed with inlet and exhaust passages, a cylinder structure rotatable within each end of said casing in end contact with said casing heads, each cylinder structure comprising a plurality of cylinders arranged about the longitudinal axis of the structure, each structure being also formed with a longitudinal axial bore, a central angular guide shaft with its ends projecting into the axial bores of said cylinder structures to support and guide said structures, straight shafts mounted within said casing heads with their inner ends extending into the

outer ends of the axial bores of the cylinder structures and secured thereto, and coiled springs in said axial bores interposed between the ends of said central and straight shafts for yieldingly holding each of said cylinder structures in end abutting relation with the adjacent casing head.

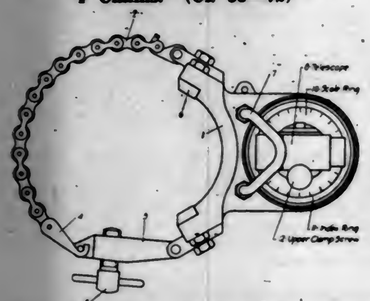
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2,117,522

## APPARATUS FOR ORIENTING DRILLING TOOLS

Alphons Gerard Hubert Straatman, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application May 19, 1937, Serial No. 143,575
In the Netherlands May 22, 1936
4 Claims. (Cl. 33—72)



1. In apparatus for determining the orientation of a tool supported by a pipe string for longitudinal motion within a borehole, an orienting device adapted to be rigidly clamped to the pipe, comprising a first member rotatable with regard to said device, a second member rotatable with regard to said device and to said first member, and means for positioning said rotatable members in known relationship to a desired orientation plane, said rotatable members cooperating with each other to indicate the extent and direction of rotation of the pipe during the longitudinal motion of the pipe within a borehole.

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2,117,523

## AUTOMATIC BARREL-TREATING MACHINE

Walter August Strohl, Offenbach-on-the-Main, Germany

Application July 23, 1937, Serial No. 155,193
In Germany May 3, 1935
2 Claims. (Cl. 214—1)



1. In an automatic barrel-treating machine, barrel-rotating and barrel-treating stations arranged in succession, shafts at each rotating station, a pair of rollers on each of said shafts, the rollers having a diameter which is substantially one-half the distance between two adjacent stations, a pair of housing frames extending longitudinally of the machine, bearings for said shaft located within said housing frames, carrier bars arranged at the sides of the pairs of said rollers and above said roller shafts, bell cranks mounted to oscillate and having their upper ends connected to said bars for vertically reciprocating the latter, means for shifting the bars longitudinally through the distance between two adjacent stations independently of the operation of said reciprocating means, and means having bearings within said housing frames for rotating said roller shafts and operating said bell cranks and said shifting means.

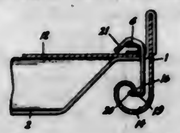
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2,117,524

## SPRING AND AIR CUSHION

Maurice Stubnitz, Adrian, Mich., assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich., a corporation of Michigan

Application June 8, 1936, Serial No. 84,038
6 Claims. (Cl. 155—179)



1. A spring cushion comprising a bottom frame having a lip positioned inwardly of the outer wall of said frame, cross slats fixed at each end to said frame, a bottom plate supported above and spaced from said lip by the said slats and positioned between said lip and below mentioned spring unit, a spring unit mounted on said plate, one or more clips connected to the said spring unit and the lip on the said bottom frame to secure the spring unit, frame and bottom plate together, and a covering for concealing said spring unit, clips and bottom frame.

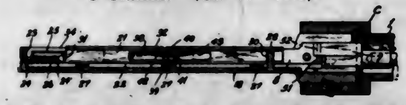
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2,117,525

## REAMER

Joseph Sunnen, Kirkwood, Mo.

Application August 22, 1935, Serial No. 37,306
5 Claims. (Cl. 77—75.5)



1. In a reaming tool, a mandrel having a longitudinally disposed slot, a plurality of guide ribs fixed on the outer surface of the mandrel and extending longitudinally thereof, said guide ribs being spaced from the slot and from each other, a guide bar movably held in said slot, a cutting blade associated with the guide bar and in the longitudinal plane thereof, means for moving the guide bar and the cutting blade radially of the mandrel, yielding means between the guide bar and the aforesaid moving means whereby the guide bar has radial movement relative to the cutting blade, and spring means for holding the cutting edge of the cutting blade inside the outer surface of the guide bar when the tool is at rest.

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2,117,526

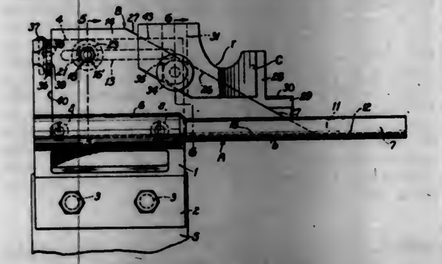
## PINHOLE GAUGE

Joseph Sunnen, Kirkwood, Mo.

Application November 29, 1935, Serial No. 52,761
7 Claims. (Cl. 33—162)

1. A gauge for making inside measurements comprising a relatively fixed member and a relatively movable member, said members having cooperating contacting surfaces uniformly inclined to a true horizontal plane; a gauge member mounted on said movable member for longitudinal movement relative thereto, said gauge member and the movable member having cooperating contacting surfaces uniformly inclined to a true horizontal plane in the same direction as the above mentioned contacting surface and also inclined to said contacting surfaces of the movable and fixed member, and gauging elements on the





gauge member and fixed member respectively, said elements each having a surface parallel to said horizontal plane, and a scale for indicating the relative spacing of said elements.

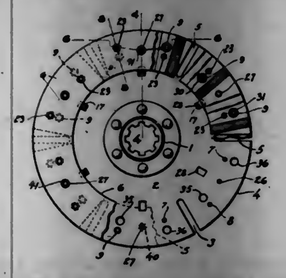
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2,117,527

## CLUTCH MEMBER

Ernest E. Wemp, Detroit, Mich.

Application November 19, 1934, Serial No. 753,656
23 Claims. (Cl. 192—107)



1. In a clutch member having a disc body and a facing ring, a plurality of cushion members disposed between the disc body and the facing ring, each cushion member being fashioned to provide an intermediate portion for engagement with the disc, and opposite edge portions for engagement with the disc, and two portions between the said intermediate portion and opposite edges and out of the plane of said intermediate portion for engagement with the facing ring, whereby the disc and facing ring are held spaced apart, said members being of spring metal and being adapted to substantially collapse under packing pressure.

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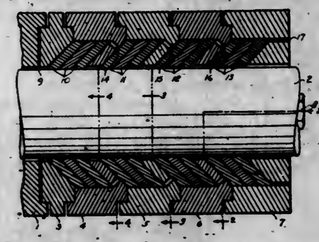
2,117,528

## CONSTANT PRESSURE MULTISTAGE PACKING

Harley T. Wheeler, Dallas, Tex.

Original application May 25, 1931, Serial No. 539,803, now Patent No. 2,012,150, dated August 20, 1935. Divided and this application August 15, 1935, Serial No. 36,283
3 Claims. (Cl. 286—27)

1. A stuffing box assembly made up of packing support rings, packings therein, a gland to position said packing, and a vent through said gland adjacent the outer periphery of the packing so that the fluid leaking through the packing may escape to the atmosphere, said packings being of different densities as arranged in said box so that the friction of contact with the rod will vary along the length of the box.



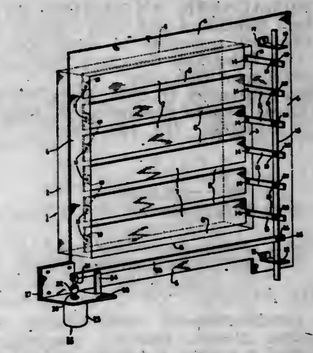
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2,117,529

## TEMPERATURE CONTROL APPARATUS

Daniel D. Wile, Detroit, and Richard L. Campbell, Birmingham, Mich., assignors to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application August 22, 1936, Serial No. 97,365
6 Claims. (Cl. 236—1)



1. An apparatus for controlling the temperature of a region into which warm air is discharged in winter and into which cool air is discharged in summer comprising a damper member for controlling the entrance of both the warm air and the cool air into said region, and movable in opposite directions from a closed position and a thermostatic power element responsive to the temperature of the region for actuating said damper member to vary the volume of air discharging into the region so as to maintain the region at a predetermined substantially constant temperature in winter and at a second predetermined substantially constant temperature in summer.

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2,117,530

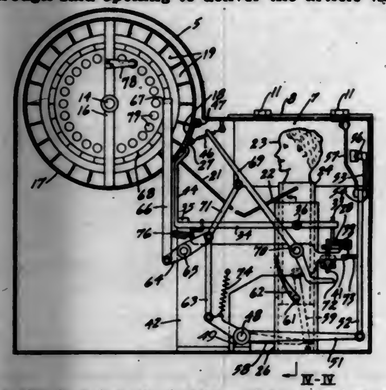
## VENDING MACHINE

Floyd J. Willis, Troy, Ala.

Application February 8, 1937, Serial No. 124,684
4 Claims. (Cl. 312—35)

1. In a vending machine, a housing provided with an opening therein, a closure covering said opening, an image adapted to receive and hold an article and mounted for rotational and vertical movement through said opening, means for delivering an article to said image, common means for actuating said closure to open same and for

thereafter rotating and raising said image through said opening to deliver the article without the housing, and means for restoring said common means to initial position.



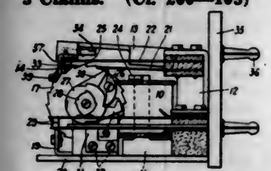
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2,117,531

**ELECTROMAGNETIC SWITCHING DEVICE**

Cecil Robert Woodland and Cecil Rhodes, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware

Application September 16, 1935, Serial No. 40,694
In Great Britain September 25, 1934
3 Claims. (Cl. 200—105)



1. An electromagnetic circuit-closing device for effecting circuit changes, comprising a ratchet wheel, a spring, a detent carried by said wheel, a notched cam, means for rotating said wheel against the tension of said spring, and then releasing it, a friction element on said wheel, said element engaging said detent and causing it to engage a notch in said cam when the wheel is rotated a predetermined number of steps, said spring operating the wheel and cam together on release when the detent engages a notch, such element engaging said detent and holding it out of engagement with the notches of said cam when the wheel is rotated other than the predetermined number of steps, said spring returning said wheel to normal without operating the cam if the detent is moved past a notch by the wheel.

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2,117,532

**PROTECTIVE COATING FOR FOOTWEAR AND OTHER ARTICLES**

Raymond W. Albright and Andrew Szegvari, Akron, Ohio, assignors to American Anode Inc., Akron, Ohio, a corporation of Delaware

No Drawing. Application June 29, 1935, Serial No. 29,098
12 Claims. (Cl. 12—142)

1. A method of manufacturing an article of footwear including material likely to be damaged during manufacture of the article and which also is easily damaged by water, which comprises applying to said easily damaged material a water-repellent coating comprising a volatile oily liquid containing dissolved therein a minor proportion of a separating material which is substantially less volatile than the oily liquid, superposing on the water-repellent coating, while it still contains a substantial quantity of the volatile oily liquid, a coating of an aqueous dispersion of rubber, drying the aqueous dispersion to provide an adherent but readily removable protective coating of rubber upon said material, incorporating the coated material into an article of footwear, and thereafter stripping the protective rubber coating from the article.

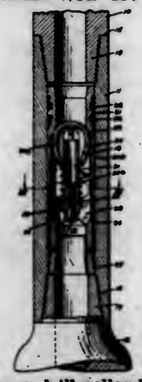
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2,117,533

**DRILL COLLAR FLOAT VALVE FOR WELL DRILLING STRINGS**

Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application October 10, 1936, Serial No. 105,039
1 Claim. (Cl. 137—69)



In combination, a drill collar having a straight bore formed therein, a valve body reciprocably mounted in said bore, said body including a hollow cylindrical portion, sealing means on the exterior of the cylindrical portion to prevent passage of fluid between it and the bore, a valve seat on the cylinder circumscribing its interior, said body including a spider rigidly suspended from said cylindrical portion, an upwardly projecting valve stem rigidly held in coaxial relation to said cylinder by said spider, an upwardly seating hollow valve member fitting over the upper end of said stem and axially movable with respect thereto, and spring means constantly tending to seat said valve on said seat.

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2,117,534

**WELL CEMENTING DEVICE**

Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application October 10, 1936, Serial No. 105,045
11 Claims. (Cl. 166—1)

1. In combination with a well casing, a tubular member adapted to be connected therewith, said member having a chamber formed therein, said member having cementing ports extending outwardly therethrough from said chamber, a normally fixed closure for each of said ports, releasing means in said chamber for releasing said closures, and a ball member adapted to be positioned in the casing after the same has been



lowered into a well bore to engage said releasing means and when fluid pressure is exerted thereagainst to actuate the same to release said closures.



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2,117,535

**WIRE LINE OPERATED CEMENT RETAINER AND BRIDGE PLUG**

Reuben C. Baker, Coalinga, and Clarence E. Burt, Los Angeles, Calif., assignors to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application October 10, 1936, Serial No. 105,046
14 Claims. (Cl. 166—13)



1. An apparatus of the character described comprising a packer body adapted to be connected to the lower end of a running in line and lowered into a well casing, slips assembled on said body in retracted position, and independent means movable with respect to said running in line adapted to move downwardly relative to the slips on said body upon the same being positioned in a well casing to release the slips and move them to a set position.

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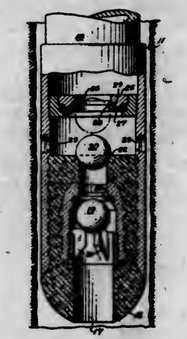
2,117,536

**VALVE STRUCTURE FOR WELL CASINGS AND TUBING**

Reuben C. Baker, Coalinga, and Oscar A. Mellin, Alameda, Calif., assignors to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application October 10, 1936, Serial No. 105,047
5 Claims. (Cl. 166—9)

1. In combination with a tubular member, a transverse barrier formed therein, said barrier having a port formed longitudinally therethrough, a valve member of a dimension less than said port whereby it may pass therethrough, a yieldable valve seat member adjacent the barrier and surrounding said port and having an opening therethrough of a dimension less than said valve member, said yieldable valve seat member being capable of expansion when said valve member attempts to pass therethrough in one direction so that the valve member may pass through the port and through said valve seat member in said direction, said yieldable valve seat member being held by said barrier against expansion when the valve member attempts to pass therethrough in the opposite direction whereby closure of said port will be effected.



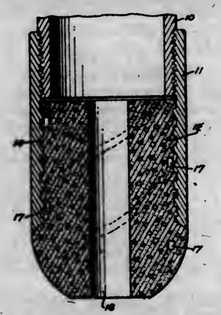
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2,117,537

**GUIDE AND WASH-DOWN SHOE FOR WELL CASINGS**

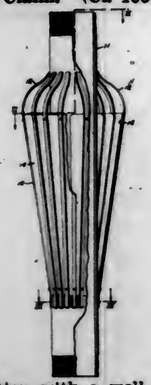
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application July 19, 1937, Serial No. 154,454
5 Claims. (Cl. 166—9)



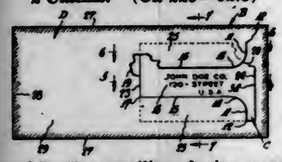
1. A device of the character described including a hollow cylindrical member adapted to be connected to the lower end of a string of well casing, a cementitious plug cast in said member and securely anchored thereto, said plug having a plurality of eccentrically positioned passageways spaced apart circumferentially of the plug and located closely adjacent to the outer circumference of the plug and extending from the upper end thereof through the lower end thereof.

2,117,538
**CEMENT BASKET**
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California
Application July 19, 1937, Serial No. 154,455
1 Claim. (Cl. 166—10)



In combination with a well tubing, a frusto-conical basket therefor arranged about the exterior thereof with its smaller end tightly embracing said tubing and with its upper and larger end of a diameter normally considerably larger than the exterior diameter of the tubing and concentric with respect thereto, said basket comprising a plurality of flexible metallic ribs spaced equal distances about said tubing and secured at their lower ends thereto and extending longitudinally thereof with their upper ends spaced radially outward from the tubing, and a "petal" like segment of relatively thin flexible sheet metal secured to each rib, the contiguous edges of said "petals" circumferentially overlapping when the basket is in normal position so as to enable the "petals" to move circumferentially with respect to each other and enable the basket to be collapsed about said tubing, the upper extremities of said ribs being curved inwardly and then upwardly to slidably engage the exterior of said tubing.

2,117,539
**MAILING DEVICE**
Samuel J. Bienstock, Bronx, N. Y.
Application July 6, 1936, Serial No. 88,956
2 Claims. (Cl. 229—92.3)



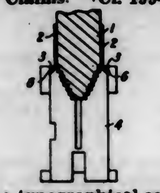
2. A combination mailing device comprising a window envelope, a blotter with a face and absorbent back to be fitted into said envelope and a post card carried by said blotter and carrying a name and address on its rear face, said address upon the rear face appearing through a window of said envelope, a corner of the post card being inserted between the face and absorbent back and the portion carrying the address not being so inserted and overlying the face, said face being provided with two angular slits to permit such insertion, said angular slits having vertical portions extending towards each other parallel to the end of the blotter receiving the post card and having horizontal portions extending parallelly to each other and perpendicularly to the end of the blotter receiving the post card, said parallel portions having a length substantially equal to but slightly less than the length of the post card and the ends of said parallel portions contacting the inside end of the post card at spaced points on its inside vertical edge, the spacing between said parallel portions being such as to leave sufficient space for a name and address to match the window of the envelope, and the ends of said vertical portions being spaced from each other substantially the same distance as the height of the post card and contacting the upper and lower longitudinal edges of the post card adjacent the outer vertical edge of the post card.

2,117,540
**STORM SASH OPERATING MEANS**
Herman H. Brugmann, Spencer, Iowa
Application October 25, 1937, Serial No. 170,874
12 Claims. (Cl. 20—55)



1. In a storm sash operating means for double hung windows, an elongated element connected with a storm sash intermediate the top and bottom thereof, a link slidably connected therewith and pivotally connected with the lower rail of the upper sash of the window, locking elements connected with said storm sash and said upper sash and engageable with each other adjacent raised position of the upper sash and means for pivoting the lower end of the storm sash to the window frame.

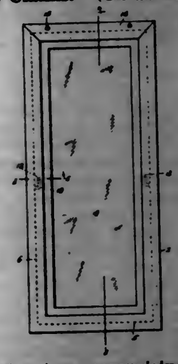
2,117,541
**DISTRIBUTING MECHANISM OF TYPOGRAPHICAL COMPOSING MACHINES**
Thomas Richard Castle, London, England, assignor, by mesne assignments, to Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York
Application January 4, 1936, Serial No. 57,469
In Great Britain January 11, 1935
7 Claims. (Cl. 199—64)



1. In or for a typographical composing and distributing machine, a plurality of sets of matrices comprising matrices in the different sets provided with identical distributing-tooth combinations of the standard seven-tooth variety and with notches in their upper edges differing in form in the respective sets, said notches extending downwardly below the upper limits of the tooth combinations.

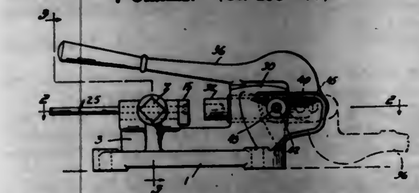


2,117,542
**DOOR**
Louis Chartier, Schenectady, N. Y.
Application April 9, 1937, Serial No. 136,007
3 Claims. (Cl. 20—35)



1. A door structure comprising a rectangular frame rabbeted around the inner edges of the bottom and sides thereof to provide a seat extending around said inner edges and a flange on one side of said seat, said seat being grooved to provide a bottom and side channels in said frame at one side of said flange, and the top of the frame on the channeled side thereof being reduced intermediate the side channels to form a socket into which said side channels open, a panel disposed in said frame against said seat, a rectangular keeper frame fitting in said channels and socket to overlie the edges of said panel on the side thereof opposite said flange, said keeper frame being formed of resilient metal for bending at its ends to insert the sides thereof into the side channels and for reaction of said ends to spring the sides of the frame into the side channels, and a keeper strip removably secured in said socket and overlying the top edge of said keeper frame.

2,117,543
**TUBE FLARING TOOL**
Roy J. Corrigan, Detroit, Mich., assignor to Bundy Tubing Company, Detroit, Mich., a corporation of Michigan
Application October 14, 1935, Serial No. 44,946
7 Claims. (Cl. 153—79)



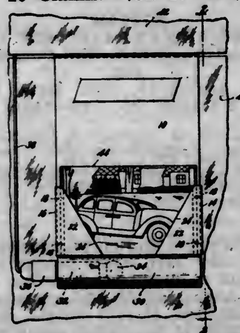
1. In a tool substantially for the purpose described, a base, a ram reciprocably mounted in the base, a link pivoted to the base, an operating lever, means pivotally connecting the operating lever and the ram, and means pivotally connecting the operating lever to the link and at a point on the lever removed from the pivotal connection between the lever and ram and forming a moving fulcrum for the lever, the distance between the centers of the pivotal connections between the lever and the ram and the lever and the link, being less than the distance between the centers of the pivotal connections between the link and the base and the link and the lever.

2,117,544
**LIGHTING BY SUSTAINED LUMINESCENCE**
René André Coustal, Saint-Maur, France, assignor to Société Anonyme Stella-Lux, Paris, France
Application October 29, 1935, Serial No. 47,326
In France October 29, 1934
1 Claim. (Cl. 176—122)



In an installation for supplying lamps with electric energy, comprising a transparent bulb for visible radiation and coated with a layer of a solid luminescent or phosphorescent material, the said lamps comprising one or two electrodes, a free conducting wire, a source of electric energy connected to the said wire for producing outside the same a variable electric field, sleeves of insulating material surrounding the said wire, conducting sockets surrounding the said sleeves and connected to one of the electrodes, lamps rendered luminescent by the action upon the layer of luminescent or phosphorescent material of the electric field produced outside the said wire.

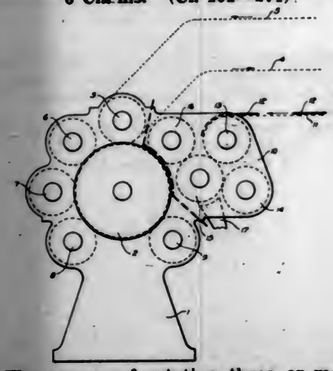
2,117,545
**CARD HOLDER**
Robert H. De Minico, Brookline, Mass., assignor to Charles S. Walkup, Jr., Boston, Mass.
Application April 27, 1936, Serial No. 76,507
10 Claims. (Cl. 40—124)



1. A device of the character described, comprising an open top and front receptacle adapted for holding a pack of advertising cards, said receptacle comprising a back, a bottom, and two ends, each of said ends having an inwardly turned front flange portion for retaining the cards within said receptacle, yet exposing them

to view, the back of said receptacle being extended upwardly and having its top edge turned reversely to form a retaining flange for locking said receptacle on the top edge of an automobile window pane when closed.

2,117,546
**MULTICOLOR PRINTING**
Albert C. Dobroth, Jr., Louisville, Ky.
Application October 3, 1936, Serial No. 103,863
6 Claims. (Cl. 101—174)



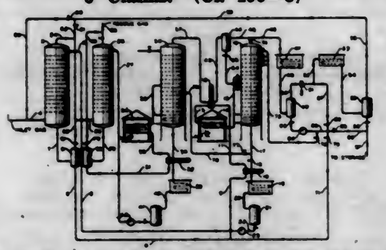
1. The process of printing three or more superimposed color impressions upon separate sheets of paper moving at a substantially constant rate of speed comprising, printing an initial color impression upon a sheet at a point in its path of movement relatively distant from the second color impression point and at a correspondingly large interval of time, printing a second color impression upon the initial color impression of the same sheet whereby the interval of time elapsing between the first and second impressions is sufficient to permit the initial ink to set and to allow the second ink impression to form a well-defined color gradation thereupon and then printing a third color impression upon the previous impressions and at a point in the path of movement of the sheet relatively near to the second color impression point and at a correspondingly small interval of time.

2,117,547
**SHADE AND CURTAIN SUPPORT**
John D. Douglas and Eula Mae Douglas, Tampa, Fla.
Application August 28, 1936, Serial No. 98,412
1 Claim. (Cl. 248—252)



A combined shade and curtain support formed from two blanks, each blank having bent edges and one blank adapted to slide within the other, each blank having shade and curtain brackets formed in the face of said blanks, each blank having an opening to receive securing means, the shade brackets having openings formed therein adapted to receive a shade, locking tits being formed in the face of each curtain bracket and formed from the face of said bracket, said brackets being adapted to be bent into angular relation with the face of said blank all of the structure being formed from the two blanks.

2,117,548
**PROCESS OF EXTRACTING AND RECOVERING VOLATILE HYDROCARBONS FROM HYDROCARBON GASES**
Harry E. Drennan, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 14, 1934, Serial No. 744,081
6 Claims. (Cl. 196—8)



3. The process of extracting and recovering volatile hydrocarbons from hydrocarbon gases and vapors which consists in causing a stream of hydrocarbon gases and vapors to successively contact in separate zones a series of absorbent mediums of a molecular weight increasing in the order in which they are contacted by said gases and vapors, continuously withdrawing said absorbent mediums and separately distilling the same to recover the volatile hydrocarbons absorbed therein, and returning said absorbent mediums to said zones containing a like absorbent medium.

2,117,549
**FLEXIBLE FORM FOR MASONRY STRUCTURES**
William G. Dunn, Clarinda, Iowa
Application January 26, 1938, Serial No. 187,013
16 Claims. (Cl. 72—17)



1. In a structure of the character of a surfaced backing to which a plastic material is applied and allowed to harden, a guide comprising a flexible strip having a single strand of plaited wire providing a base for attachment to the surface and opposite flexible sides separated by an open channel formed from ends of the plaits bent at an angle to said base.

2,117,550
**SELF-LUBRICATING BEARING**
Howard B. Eynon, and Myrtice C. Burr, St. Marys, Pa., assignors to Pure Carbon Company, Inc., St. Marys, Pa., a corporation of Pennsylvania
Application May 20, 1935, Serial No. 22,405
13 Claims. (Cl. 308—171)

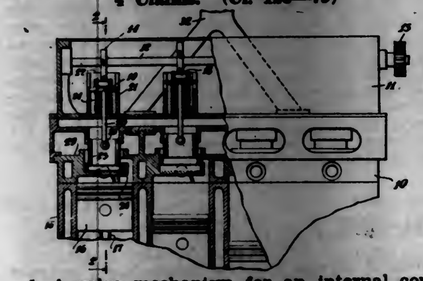
2. A self-lubricating bearing comprising a metallic body member having a lubricant reservoir and a plurality of apertures in a wall thereof, and a plurality of spaced bearing elements of carbon material, said elements having their





surfaces, with the exception of the inner and outer end faces, coated with copper, said elements being disposed within said apertures and being soldered to said body member.

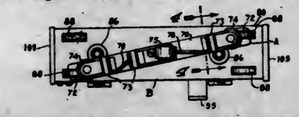
2,117,551
**VALVE MECHANISM**
Joseph Ferkois, South Ozone Park, N. Y., and Harold Ferkois, Washington, D. C.
Application January 8, 1937, Serial No. 119,548
4 Claims. (Cl. 123—75)



1. A valve mechanism for an internal combustion engine comprising a plurality of cylinders each with cam controlled valve units, each valve unit provided with a valve chamber having a single port for intake and exhaust to and from the cylinders, and within said valve chamber a vertically reciprocating hollow gas chamber open at the top and bottom, a stem attached to said gas chamber and controlled by said cam, a widened lower part formed integrally with said gas chamber, a chamber dependent into the combustion chamber of the engine adapted to receive said widened part on said hollow gas chamber and forming with the wall of said gas chamber an annular passage constituting the exhaust passage of the engine when said reciprocating gas chamber is in its lowermost position, said gas chamber in its elevated position closing the exhaust ports during the intake stroke and leaving said ports free during the exhaust stroke, and means to supply air or gas mixture to the interior of said gas chamber.

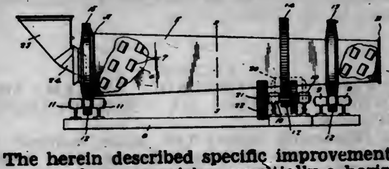
2,117,552
**TROLLEY AND CURRENT COLLECTOR MEANS**
Harrison J. L. Frank, and Joseph A. Messing, Detroit, Mich.
Original applications May 25, 1934, Serial No. 727,516, now Patent No. 2,018,016, dated October 22, 1935, and May 6, 1935, Serial No. 20,113, now Patent No. 2,052,972, dated September 1, 1936. Divided and this application August 26, 1935, Serial No. 37,953
2 Claims. (Cl. 191—45)

1. For use with a duct having a slotted wall, a detachable connector comprising a handle having on its upper end a base and a head, these being transverse to the handle, the head being long and narrow and dimensioned to be insertable into the duct through the slot with its long dimension coincident with the run of the slot and having, on its top, sidewise projecting contacts for engaging side bus bars of the duct when the head is inserted into the duct and rotated therein a slight degree, less than 45°, just enough



to straddle the slot, and also having supporting rollers on its bottom for riding on the inside surface of the slotted wall, said rollers being mounted on axles perpendicular to said slot when said head has been thus rotated, the side bus engaging contacts being at all times longitudinally spaced with respect to each other a distance greater than the square root of two times the distance between the side bus bars.

2,117,553
**WASHER**
William A. Fye, Hollidaysburg, Pa., assignor to McLanahan & Stone Corporation, Hollidaysburg, Pa., a corporation of Pennsylvania
Application April 15, 1937, Serial No. 137,124
1 Claim. (Cl. 209—452)



The herein described specific improvement in an ore washer, comprising essentially a horizontally mounted drum tapered in the direction of its length and rotatable about its axis, and a shell or lining of thin metal arranged close against the inner side of the drum and having struck therefrom a multiplicity of fins extending inwardly from the major portion of the shell or lining and arranged in spaced rows forming spirals extending from the inlet end of the drum to the outlet end thereof, the drum and shell or lining being of polygonal cross-section.

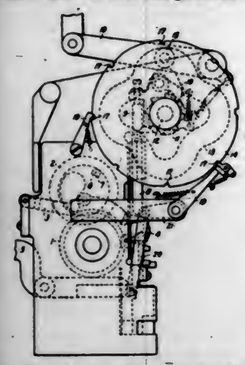
2,117,554
**MANUFACTURE OF ORGANIC ANHYDRIDES**
William J. Hale, Washington, D. C.
No Drawing. Application September 27, 1934, Serial No. 745,831
16 Claims. (Cl. 260—123)

1. The method which comprises treating an organic compound containing a labile hydrogen atom adjacent to a non-metallic element other than carbon with carbon monoxide at superatmospheric pressures from about 5 to about 1000 atmospheres and a temperature between substantially —10 and —20° C. in the presence of a hydrogen halide and a metal salt capable of absorbing carbon monoxide and hydrogen halide.

2,117,555
**ASSEMBLER MECHANISM OF TYPOGRAPHICAL COMPOSING MACHINES**
Arthur Staniland Hayward, Altrincham, England, assignor to Linotype and Machinery Limited, London, England, a registered company
Application February 10, 1937, Serial No. 125,023
In Great Britain February 15, 1936
20 Claims. (Cl. 199—21)

1. A device for setting an adjustable section of

the assembler entrance in a typographical composing machine adapted to be equipped with a pair of superposed matrix magazines and wherein the section is adjustable to two different positions to make and break an operative connection between either one of the magazines and a fixed



section of the assembler entrance, said device comprising a power-driven member and a key controlled member adapted for frictional engagement therewith to actuate a mechanical power transmission system for moving the adjustable section to the desired setting.

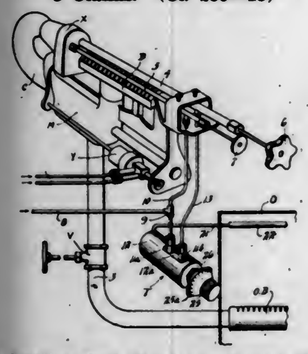
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2,117,556

**TEMPERATURE CONTROL SYSTEM FOR OVENS HEATED BY HYDROCARBON BURNERS**

Earl Hillebrand, Albert Lea, Minn., assignor to American Gas Machine Company, Inc., Albert Lea, Minn., a corporation of Delaware

Application March 20, 1935, Serial No. 11,992
Renewed May 24, 1937
5 Claims. (Cl. 236—15)



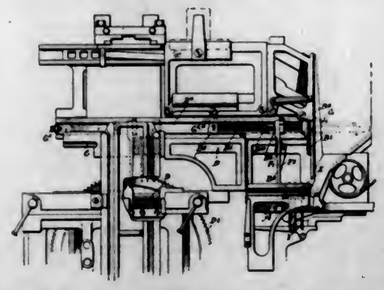
1. A heating and temperature control system for an oven, having in combination; a hydrocarbon fuel generator comprising a burner, a mixing chamber, and fuel vaporizing means subjected to the heat from said burner and being connected with a source of liquid fuel supply, said means having a pair of discharge elements communicating with said mixing chamber, mechanism for cutting off supply of fuel to one of said elements and means responsive to the temperature of said oven for operating said mechanism to maintain said oven at a substantially predetermined temperature.

2,117,557

**TYPOGRAPHICAL MACHINE**

John H. Hilpman, Springfield Gardens, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York

Application July 25, 1936, Serial No. 92,563
20 Claims. (Cl. 199—32)



1. In a typographical composing machine, the combination with a movable line transfer carriage having two fingers to engage the line at opposite ends, one finger being fixed to said carriage and the other movable with respect thereto, of means operated by the composed line for establishing a motion transmitting connection between the movable finger and the carriage for movement thereby independently of the line in the line transfer operation.

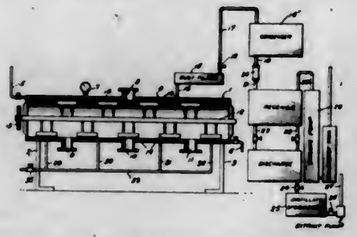
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2,117,558

**PROCESS FOR EXTRACTING NICOTINE FROM TOBACCO**

Robert J. Hyatt, Winston-Salem, N. C., assignor to R. J. Reynolds Tobacco Company, Winston-Salem, N. C., a corporation of New Jersey

Application August 20, 1936, Serial No. 97,049
3 Claims. (Cl. 87—28)



1. The process of extracting nicotine from tobacco material which consists in mixing the material with an alkali, saturating the mixed material, heating the saturated mixture at atmospheric pressure to cause collapse of nicotine cells and to vaporize liquid contents of the mixture, reducing the pressure on the heated mixture to create a vacuum to effect expansion and rupture of the collapsed cells, condensing the vapors under said reduced pressure, restoring and reducing the pressure in alternation on the residue, and condensing the vapors from the residue after each reduction in pressure, each restoration of pressure being effected by breaking the vacuum with steam as suddenly as possible to cause collapse of unexploded cells in the heated and vaporized residue, and each reduction in pressure expanding and exploding the cells so collapsed.

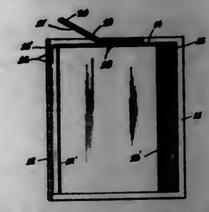


2,117,559

**BOOK PROTECTOR**

Arthur E. Imperatore, New York, N. Y.

Application October 31, 1936, Serial No. 108,546
3 Claims. (Cl. 281—20)



1. A book protector and marker adapted to lie on the upper edges of a bound book when the book is in standing and closed position, the protector being adapted to be folded between the rear wall of the binding and the rear edge of the leaves of the book when the book is in use, comprising a flexible rectangular shield having a downwardly folded member concealedly affixed to the binding of the said book, a tab member secured at one end to the shield member, a tape member secured to the other end of the said tab member, the latter end of the said tab member projecting slightly above the upper edges of the book when the shield is in folded position.

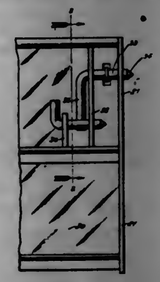
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2,117,560

**MOLD FORM APPARATUS**

William Allen Jennings, Des Moines, Iowa, assignor to Economy Forms Company, Des Moines, Iowa, a corporation of Iowa

Application May 27, 1933, Serial No. 673,214
4 Claims. (Cl. 25—131)



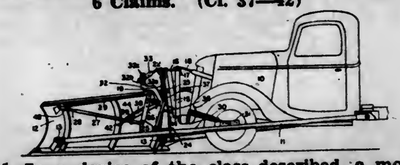
4. In a mold form apparatus, the combination of a mold form panel having a slot formed therein, two spaced apart flanges fixed to and extended outwardly from the panel on opposite sides of said slot and being formed with aligned openings, a spacing bar extended through said slot and having an opening therein, a pin extended through the openings in the flanges and in the spacing bar, and having a handle extended at right angles relative to the pin, and a third flange on the panel so positioned as to receive said handle between it and the adjacent flange, when the handle is turned to position adjacent the outer face of the panel to thereby prevent withdrawal of the pin, said third flange and the adjacent flange having aligned openings therein and a second pin passed through said last mentioned opening and over said handle to lock the handle in its position adjacent the panel.

2,117,561

**SAFETY LIFT DEVICE FOR SNOW PLOWS**

Ruben McMaster, Newton, Iowa, assignor to The Parsons Company, Newton, Iowa, a corporation of Iowa

Application June 22, 1937, Serial No. 149,691
6 Claims. (Cl. 37—42)



1. In a device of the class described, a mold board, laterally spaced arms adapted to be supported at their rear ends, said arms being pivoted to the lower part of the mold board, means for maintaining the mold board in snow plowing position, and cam guided means for lifting the mold board when its upper part is tilted forwardly.

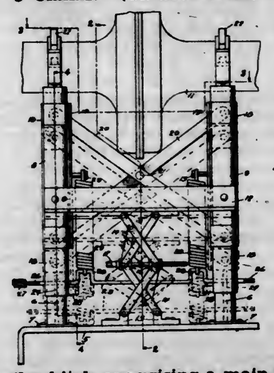
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2,117,562

**TRAILER HITCH**

Louis Marsch, Morrisonville, Ill.

Application December 15, 1937, Serial No. 180,007
5 Claims. (Cl. 280—33.44)



2. A trailer hitch comprising a main frame for attachment to a trailing vehicle; an adjustable frame and means for holding the same in fixed position on the main frame; a draft frame movable on the adjustable frame; cooperating means on the adjustable frame and the draft frame for engaging a tractor vehicle; and tension means connecting the two last named frames.

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2,117,563

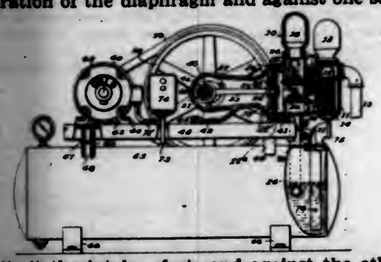
**AUTOMATIC PUMPING MECHANISM**

James O. McMillan, Wichita, Kans.

Application December 17, 1934, Serial No. 757,946
6 Claims. (Cl. 103—150)

1. An apparatus of the class described having a pump casing open at one side, a diaphragm closing said side, means to actuate said diaphragm, said casing having a priming chamber, a suction chamber and a discharge chamber, two valves, one to open as the other closes, controlling communication between the chambers and coacting with the diaphagm on the opposite strokes thereof to effect pumping, the casing having a passage for the intake of air into the suction chamber, said passage having two seats therein, a valve movable from one of the said seats to

the other seat, said valve being movable through operation of the diaphragm and against one seat



to limit the intake of air and against the other seat to prevent discharge through the passage.

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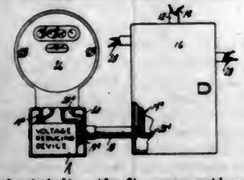
2,117,564
**REFRIGERATOR**
Harry L. Merrill, Nashua, N. H., assignor to Harder Refrigerator Corporation, Cobleskill, N. Y., a corporation of New York
Application February 1, 1937, Serial No. 123,356
8 Claims. (Cl. 62—46)



1. A refrigerator comprising a cabinet, a transverse partition therein dividing said cabinet into an ice compartment above and a storage compartment below; said partition being provided with a central opening therein for the downflow of cold air and being spaced from opposite sides of said refrigerator to provide openings for the upflow of warm air; and an ice support above said partition and cooperating therewith to form passages for the flow of air from said side openings towards said central opening; the central zone of said ice support above the central opening in said partition comprising a metal trough adapted to be filled with ice and having the sides thereof extending downwardly into the path of the air streams emerging from said passages, whereby to deflect said air streams towards said central opening.

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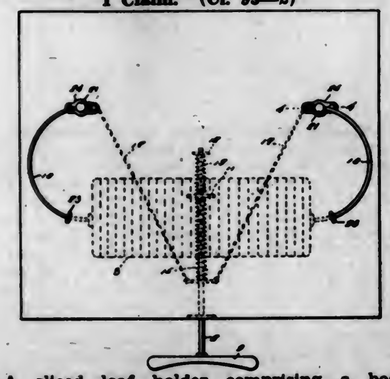
2,117,565
**ELECTRICITY THEFT PREVENTION DEVICE**
Earl A. Mitchell, Newton, Iowa, assignor of one-third to Dorothy Gregson, Montezuma, Iowa
Application June 20, 1936, Serial No. 86,321
2 Claims. (Cl. 171—34)




2. An electricity theft prevention device for use with a meter between line and load wires and a meter connected in circuit with the load wires, comprising a step-down transformer located between said line wires and said load wires and inaccessible electrical connections between said transformer and said meter, the voltage of the line wires being enough greater than the normal voltage of the load wires to damage any appliance normally connected with the load wires if the voltage of the line wires is applied thereto by any connection which shunts the meter and transformer.

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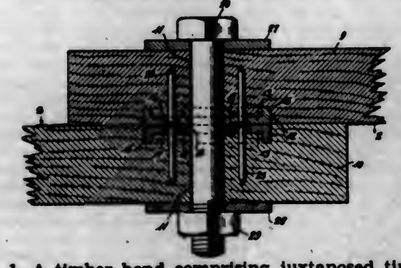
2,117,566
**SLICED BREAD HOLDER**
Thomas A. Mudd, Decatur, Ill., assignor of one-half to William Jones, Decatur, Ill.
Application April 13, 1937, Serial No. 136,660
1 Claim. (Cl. 93—2)



A sliced loaf holder comprising a board adapted to be laid flat upon a table, a pair of laterally spaced pivot pins rotatably mounted in said board to extend vertically therethrough, a pair of clamping arms extending from the upper ends of said pins, respectively, above said board for horizontal swinging movement by said pins from normal position into clamping relation, means for rotating said pins including a crank arm extending from the lower end of each pin under said board, a member slidably mounted on the underside of said board to extend therefrom and operative inwardly from normal position by pressure exerted thereagainst, operating connections between said member and crank arms, spring means tensioning said member against operation from normal position, and shock absorbing means cushioning return movement of said member and arms to normal position and establishing the normal position thereof.

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2,117,567
**FLANGED PLATE TIMBER CONNECTER**
James E. Myer, Washington, D. C., and Arthur C. Horner, San Francisco, Calif., assignors to Timber Engineering Company, Washington, D. C., a corporation of Delaware
Application December 23, 1936, Serial No. 117,380
5 Claims. (Cl. 20—92)

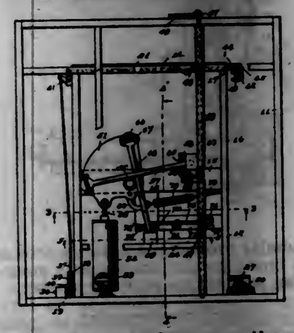


1. A timber bond comprising juxtaposed timbers having coaxial grooves and recesses in the contacting faces thereof, a flanged plate seated in each timber and fitting said groove and recess, whereby said plates lie flush with the surfaces of the contacting faces of said timbers.



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2,117,568
**DUMP BODY FOR AUTO TRUCKS**
Vincent E. Myers, Red Oak, Iowa
Application January 4, 1936, Serial No. 57,531
10 Claims. (Cl. 298—22)

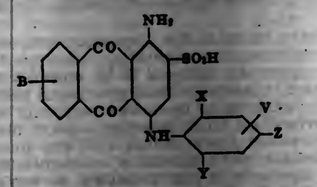


1. The combination of a supporting frame; a dump frame; means for mounting the dump frame to the supporting frame to permit the dump frame to be moved to either lateral or rearwardly inclined position; means supported by the supporting frame to elevate the dump frame to either of its inclined dumping positions, said means comprising a pair of upwardly and outwardly inclined push bars supported substantially at right angles to each other; means supporting the lower ends of said push bar to swing in horizontal arcuate paths; means for selectively moving the upper end of either push bar into and out of engagement with said dump frame; and means for imparting movement to the last means.

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2,117,569
**DYESTUFFS OF THE ANTHRAQUINONE SERIES AND A PROCESS FOR THEIR MANUFACTURE**
Albin Peter, Basel, Switzerland, assignor to the firm Chemical Works formerly Sandoz, Basel, Switzerland
No Drawing. Application June 8, 1937, Serial No. 147,145. In Switzerland June 18, 1936
10 Claims. (Cl. 260—39)

1. A process for the manufacture of water-soluble anthraquinone dyestuffs, comprising heating anthraquinone compounds of the general formula

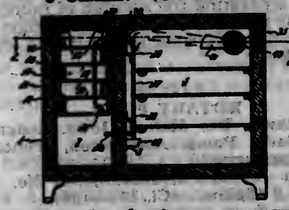



wherein B represents one of the group consisting of hydrogen and a sulphonic acid group, X represents one of the group consisting of methyl and ethyl, Y represents one of the group consisting of halogen, methyl and ethyl, Z represents one of the group consisting of hydrogen, methyl and ethyl and V represents one of the group consisting of hydrogen and a sulphonic acid group, with an alcohol selected from the class consisting of di- and trivalent aliphatic alcohols and their ethers containing at least one free aliphatic hydroxy group, in presence of a basic compound selected from the class consisting of alcoholates, hydroxides and carbonates of alkali metals at a temperature of 90–150° C.



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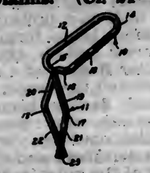
2,117,570
**REFRIGERATING APPARATUS**
Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application November 1, 1935, Serial No. 47,747
3 Claims. (Cl. 62—102)



2. A refrigerator having a compartment for the storage of odorous foods, a refrigerant evaporating element attached to one of the walls of said compartment, a fan housing within said compartment, having an air inlet and an air outlet nozzle, said outlet nozzle being so positioned as to direct a stream of air over the evaporating element, an odor removing means mounted within said compartment and located adjacent the air inlet of the fan housing and a fan mounted within the fan housing for drawing the air from the compartment through said odor removing means and into the fan housing whereupon said air is delivered from said housing by the fan through the outlet nozzle.

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2,117,571
**MOLDING FASTENER**
Elen C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application February 8, 1934, Serial No. 710,389
2 Claims. (Cl. 24—215)

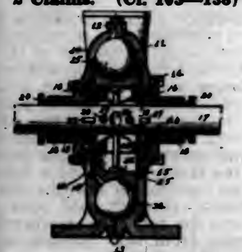


1. A spring fastener for securing hollow moldings upon a supporting structure, consisting of a flat head including a pair of relatively long arms presenting substantially straight parallel edge surfaces spaced apart so that said head fits snugly between opposite walls of said molding and a shank depending from one end of said head and including only a pair of outwardly bowed legs that are integrally directly connected to said arms and crossed adjacent the head of the fastener so that said arms are spread apart when said legs are moved toward each other, each of said legs being disposed approximately in a plane at a right angle to the length of the straight portion of one of said arms.

2,117,572
**METHOD OF REFINING ROSIN AND ROSIN ESTERS**
Lanning Parke Rankin, Lawrence, Kans., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 25, 1936, Serial No. 76,393
16 Claims. (Cl. 87—2)

1. The method of refining a material from the group comprising rosin and rosin esters by the removal of color bodies therefrom, which comprises subjecting the material to the solvent action of a normally gaseous hydrocarbon under conditions of temperature and pressure such that the said hydrocarbon is maintained substantially in the liquid phase and to the solvent action of an appreciably immiscible liquid having a capacity for selectively dissolving color bodies therefrom, and separating the solution of refined material in the normally gaseous hydrocarbon phase and the solution of color bodies in the selective solvent phase.

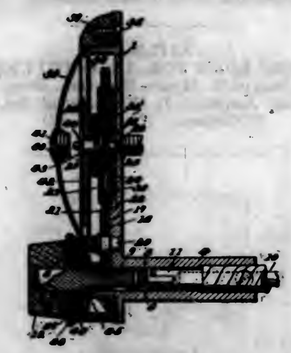
2,117,573
**ROTARY PUMP**
Paul C. Rawls, Des Moines, Iowa, assignor to Webb-Glade Pump Association, Fontanelle, Iowa, a partnership
Application January 8, 1936, Serial No. 58,074
2 Claims. (Cl. 103—138)



1. In a rotary pump, a stator formed of longitudinal sections having a circular chamber, the periphery of said chamber being semi-circular in cross section, the side walls of said stator having openings eccentrically of the axial center of said chamber, the inner ends of said openings terminating in circular recesses; bearing plates covering the ends of said openings; a rotor formed of longitudinal sections; means for securing said sections together to form a unitary unit, the periphery of said rotor being formed with areas semi-circular in cross section, the sides of said rotor having circular flanges of a diameter equal to the distance between the centers of said semi-circular areas, said flanges being mounted to rotate in said recesses, said rotor having axial openings and radial openings circular in cross section between its periphery and said axial openings, the diameter of the outer ends of said radial openings being equal to the diameter of said semi-circular areas; a spherical impeller element slidably mounted in the outer end of each radial opening; and a shaft supporting said rotor.

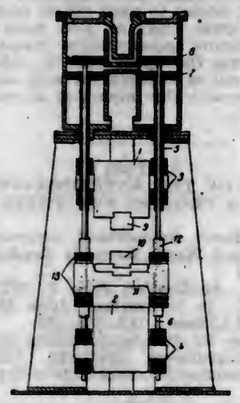
2,117,574
**REMOTE CONTROL DEVICE FOR RADIO APPARATUS**
Albert G. Redmond, Flint, Mich., assignor to Nobbit-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application March 28, 1935, Serial No. 13,514
8 Claims. (Cl. 250—20)

1. A radio control comprising a head, a face plate secured over said head, said head being provided with spaced tubular projections, bushings movably mounted in said face plate in alignment



with the tubular projections, switch knobs mounted on said bushings and knob shafts mounted in said tubular projections carrying knobs.

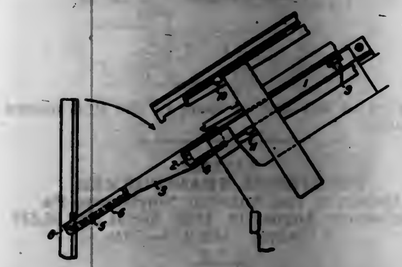
2,117,575
**POWER HAMMER FOR STAMPING WITH COUNTER-TUP**
Leon Salves, Billancourt, France, assignor to Louis Renault, Billancourt, France
Application September 9, 1936, Serial No. 100,851
In France April 17, 1936
1 Claim. (Cl. 78—13)



A power hammer for stamping with counter-tup comprising in combination, a hammer carrying an upper die adapted to be moved vertically downward, a movable mass positioned below said hammer adapted to be moved vertically upward, an intermediate block carrying a lower die interposed between the hammer and the mass, said intermediate block having a substantially horizontal upper face for receiving a work-piece, means for simultaneously moving said hammer and said mass towards each other, so that the intermediate block receives the blow of the hammer at one side and the blow of the mass simultaneously at the other without undergoing appreciable movement.

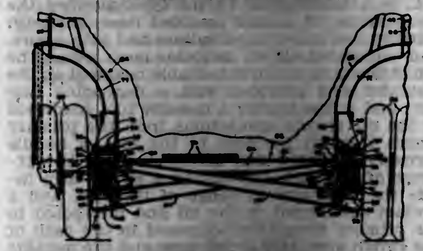


2,117,576
**MEANS FOR CHANGING THE MAGAZINES OF TYPOGRAPHICAL COMPOSING MACHINES**
Richard Henry Scott, Enfield, England, assignor to Linotype and Machinery Limited, London, England, a registered company of England
Application February 10, 1937, Serial No. 125,029
In Great Britain February 14, 1936
7 Claims. (Cl. 199—46)



1. A typographical composing machine provided with an adjustable column of magazines, comprising, on a fixed frame in which the column of magazines is adjustable, extensible arms adapted to provide support, during removal, for the magazine which is, for the time being, in the plane of said arms.

2,117,577
**VEHICLE AND MOUNTING MECHANISM THEREFOR**
Roy B. Simning, Minneapolis, Minn., assignor, by mesne assignments, to said Roy B. Simning, Harold J. Murphy, and George Verne Watson, all of Minneapolis, Minn.
Application February 4, 1935, Serial No. 4,911
15 Claims. (Cl. 296—106.5)



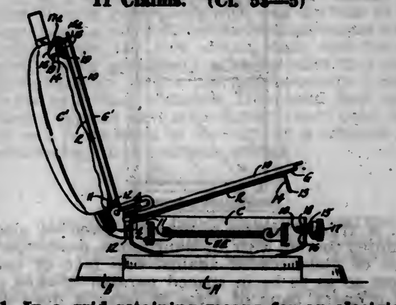
4. The combination with a vehicle frame including longitudinally extending girder members and wheel housings rigid with said girder members extending downwardly and inwardly of said frame, of a wheel supporting mechanism at each side of said frame, each of said wheel supporting mechanisms including a bracket member mounted upon a shaft rigid with one of said wheel housings for swinging movement in a vertical plane extending longitudinally of said vehicle, a leaf spring having its intermediate portion rigidly fastened in said bracket member, wheel carrying members, one at the rear and one at the front of said bracket member, supporting the opposite end portions of said leaf spring, an anchor member integral with each wheel carrying member and extending transversely of the vehicle, and means universally attaching each anchor member to the opposite side of said frame.

2,117,578
**THERMOSTAT ASSEMBLY**
Howard A. Smith, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application July 14, 1936, Serial No. 90,549
11 Claims. (Cl. 200—138)



1. For use with a plate or the like to be heated, a bimetal element responsive to the temperature of said plate, a contact structure carried by said plate and a cam element; said cam element being spaced laterally on said plate from said contact structure and a rocker element arranged substantially parallel to said plate, having a central portion pivoted relative thereto and its ends movable toward and away therefrom and coacting with said contact structure and cam element respectively.

2,117,579
**GRID RETAINING MEANS FOR ELECTRICAL APPLIANCES**
Howard A. Smith, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application June 1, 1937, Serial No. 145,815
11 Claims. (Cl. 53—5)

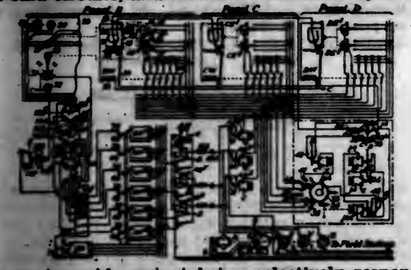


1. In a grid retaining means for an electrical appliance, the combination of a casing and a grid to close an open side thereof, with means to retain said grid in position relative to said casing comprising a projection from one side of said grid, the opposite side of said grid having a perforation, said casing having an opening to receive said projection and an element threaded in the opposite side of said casing and received in said perforation to prevent disengagement of said opposite side from the casing when said element is screwed inwardly relative to said casing.

2,117,580
**REMOTE CONTROLLING APPARATUS**
Clarence S. Saavely, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 17, 1929, Serial No. 378,894
74 Claims. (Cl. 246—3)

1. In combination, a plurality of sources of currents of different characters, a plurality of devices each selectively responsive to a different one of such currents, means for repeatedly supplying all of said devices with current from selected ones of said sources in a predetermined sequence, receiving apparatus comprising a plu-

rality of circuits one controlled by each said device, a plurality of magnets, including one in each of said circuits, and a contact controlled by said



magnets, said contact being selectively responsive to the sequence in which said circuits are controlled.

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2,117,581

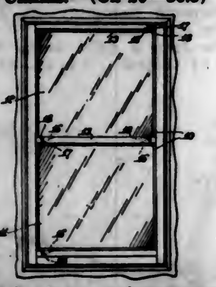
**AIR CHANGE MEANS FOR WINDOW GLASS INSULATION SYSTEMS**

Samuel A. Stemeback, Philadelphia, Pa.

Application March 20, 1936, Serial No. 69,773

In Canada January 24, 1936

3 Claims. (Cl. 20—56.5)



1. A frame having a primary pane of glass mounted therein with air tight joints, a secondary pane of glass placed against one face of said frame so as to be in spaced parallel relation to the primary pane of glass to form a dead air space, said frame having recesses therein back of the secondary pane of glass and extending beyond the edges of said secondary pane of glass, means including moulding to hold the secondary pane of glass in place and form air tight joints, the moulding having holes therethrough communicating with the recesses and adapted to receive air evacuating means for replacing the air in the dead air space, and screw plugs removably mounted in the holes to normally close the air passageways.

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2,117,582

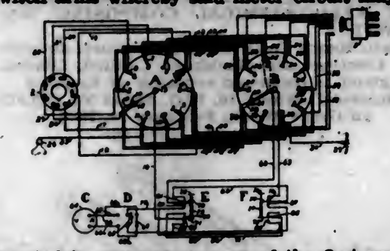
**ELECTRICAL CIRCUIT TESTER**

Robert J. Stull, San Francisco, Calif.

Application October 12, 1935, Serial No. 44,677

4 Claims. (Cl. 250—27)

1. A testing device of the character indicated comprising, a plug for a tube socket, a socket adapted to receive a tube pronged similarly to the plug, a pair of normally-closed multipoint, single arm selector switches, and each two corresponding switch-point elements of the said pair of switches being connected in a normally closed circuit, each circuit being connected in series with corresponding terminals in said socket and plug, and a meter circuit controlled by switches selectively associated with both of said selector switch arms whereby said meter circuit may be



inserted in any one or more of the first named circuits.

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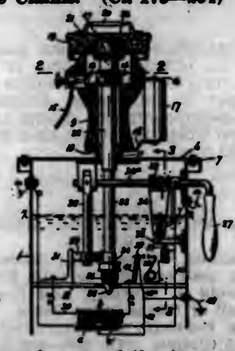
2,117,583

**ELECTRICAL TRANSFORMER**

George S. Van Antwerp, Norristown, Pa.

Application August 16, 1935, Serial No. 36,517

9 Claims. (Cl. 175—294)



1. In a transformer of the type specified the combination of a tank provided internally with primary and secondary windings and with a core, and containing oil, an insulator mounted on the top of the tank, a cap detachably mounted on the insulator and provided with a depending fuse tube and a fuse having a metallic foot immersed in the oil, circuit connections from the primary circuit through the fuse to the foot, a handle turnably mounted and accessible from the exterior of the tank and having a switch arm inside the tank and in range of the foot, and a contact submerged in the oil and interposed in the primary circuit and disposed in the path of the switch arm, said switch arm and the metallic foot on the fuse tube constructed and arranged to interlock when the arm is in closed position.

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2,117,584

**REVERSIBLE MOTOR**

Paul Van Sittert, South Euclid, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio

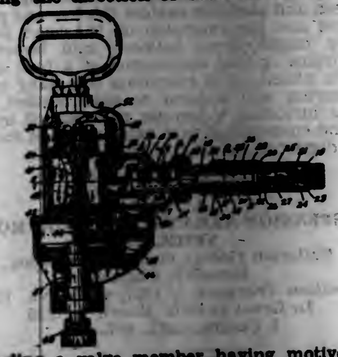
Application December 31, 1935, Serial No. 56,932

4 Claims. (Cl. 121—34)

1. In a fluid actuated rotary motor of the reversible type, the combination of a rotor chamber, a rotor within said chamber mounted in eccentric relation with the center axis thereof for rotation in either direction, a plurality of blades carried by said rotor capable of substantially fluid tight engagement with the inner wall of said chamber and forming between them pockets of varying



volumetric capacity, means for actuating said rotor comprising two sets of passages opening into said chamber each set including an inlet passage capable of admitting motive fluid successively into each of said pockets and an exhaust passage located for successive communication with each of said pockets immediately after the volumetric capacity thereof has reached its maximum, a centrifugally actuated speed governor, and means operable for selectively controlling the direction of rotation of said rotor



including a valve member having motive fluid flowing therefrom to said governor to be controlled thereby and returned therefrom to said valve member to be admitted therefrom into said rotor chamber for actuating said rotor in either direction, said valve member being positionable for closing the exhaust passage of one of said sets and causing the inlet passage thereof to act as an exhaust passage by opening the same to the atmosphere while the exhaust and inlet passages of the other set are normally open by said valve member.

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2,117,585

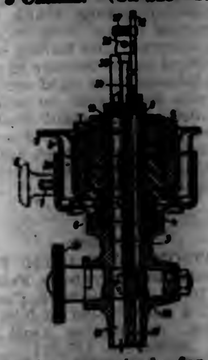
**CONTAINER FOR HOT AND COLD LIQUIDS**

Ernst Weber, Zollikon/Zurich, Switzerland, assignor to Matthey & Bruendle, Zurich, Switzerland, a corporation of Switzerland

Application June 8, 1937, Serial No. 147,118

In Switzerland September 21, 1936

5 Claims. (Cl. 215—13)



1. A dispensing receptacle for hot and cold liquids comprising an insulated container surrounded by a protective jacket, said container having a throat with an opening through which the container can be filled and emptied, a dispensing cock, means removably securing said cock to said jacket, a bush of heat-insulating material carried by said cock and projecting into said opening, and heat-insulating means for sealing said bush in said throat, said cock and its bush having a liquid-passing conduit and an air-passing conduit and including a valve for controlling said conduits.

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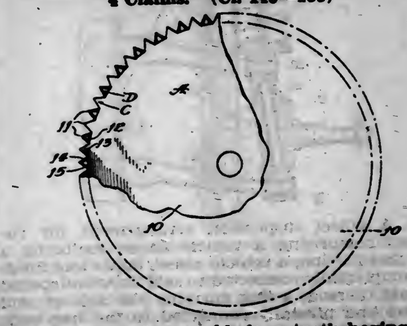
2,117,586

**CIRCULAR SAW**

Charles M. Willson, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey

Application May 27, 1937, Serial No. 145,016

4 Claims. (Cl. 143—133)



1. In a circular saw blade, a tooth having one face thereof coincident with one surface of the saw blade, a second face thereof extending at an incline from the root of the tooth and the opposite blade surface to intersect said first mentioned surface, and a pair of oppositely inclined faces extending obliquely from said first mentioned face to said second mentioned face, each of said faces being in the form of a triangle and converging to a common vertex.

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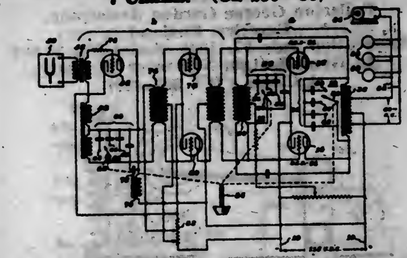
2,117,587

**ELECTRICAL CONVERSION SYSTEM**

Charles J. Young, Haverford, Pa., assignor to Radio Corporation of America, a corporation of Delaware

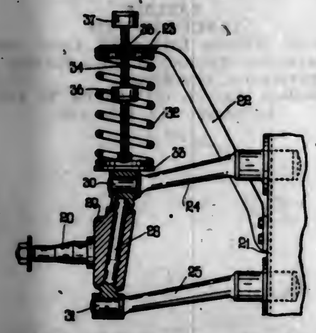
Application January 31, 1935, Serial No. 4,319

7 Claims. (Cl. 250—36)



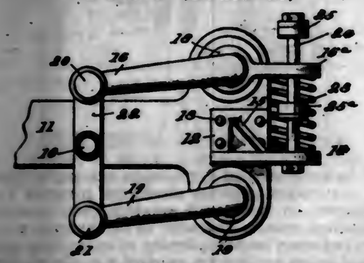
1. In an electrical conversion system, a pair of grid controlled gaseous discharge inverter tubes connected in push-pull relation and normally oscillating, means operable to oscillate at a definite frequency independently of operating action of said tubes to develop control signals, a circuit connected with said tubes for causing the same to operate substantially at a sub-multiple of said definite frequency, and means connecting said first-named means and said tubes and operating to supply the latter with said control signals.

2,117,588
**SUSPENSION ARRANGEMENT FOR ROAD VEHICLES**
Fullerton George Gordon Armstrong, Beverley, England
Application November 23, 1934, Serial No. 754,528
In Great Britain November 29, 1933
11 Claims. (Cl. 267—20)



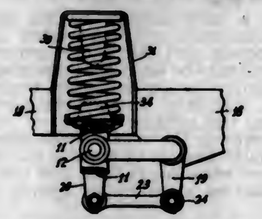
1. A wheel suspension arrangement for vehicles comprising a vehicle frame including a bracket portion, a vehicle wheel, upper and lower levers pivotally connected to said frame at spaced points thereon, a link carrying the axle of said wheel and pivotally connected to the free ends of said levers to constitute with said upper and lower levers three sides of a quadrilateral with the vehicle frame between the spaced pivots representing the fourth side, resilient means directly applied between the uppermost side of the quadrilateral and the vehicle frame for resisting displacement of said three sides with said frame, a rod connected to the uppermost side of the quadrilateral and disposed co-axially of said resilient means, and means including a pair of bumper pads carried by said rod in spaced relationship for cooperation with said bracket portion for limiting displacement of said three sides in both directions.

2,117,589
**SUSPENSION ARRANGEMENT FOR ROAD VEHICLES**
Fullerton George Gordon Armstrong, Beverley, England
Application July 27, 1935, Serial No. 33,609
In Great Britain November 29, 1933
1 Claim. (Cl. 267—20)



A wheel suspension arrangement for vehicles, comprising a vehicle frame, a vehicle wheel, a link carrying the axle of said wheel and of constant angularity relative to said frame, upper and lower transverse pivots on said frame at one side of the wheel axle, upper and lower levers pivotally interconnecting said pivots on said frame with the ends of said link and with the levers extending in the same direction from said link toward said frame, said levers and said link constituting three sides of a quadrilateral with the vehicle frame representing the fourth side, one of said levers having an extension extending beyond the adjacent pivot, a bracket rigidly secured to said frame and extending outwardly therefrom, a coil spring vertically applied between and abutting against the free end of said bracket and the extension on the lever for resisting displacement between said levers and said frame on the application of a load to the vehicle wheel, a rod extending co-axially of said coil spring and secured to said bracket, and means including a bumper pad carried by said rod and cooperating with said extension for limiting displacement of said lever.

2,117,590
**SUSPENSION ARRANGEMENT FOR ROAD VEHICLES**
Fullerton George Gordon Armstrong, Beverley, England
Application February 2, 1937, Serial No. 123,925
In Great Britain March 5, 1936
2 Claims. (Cl. 267—20)



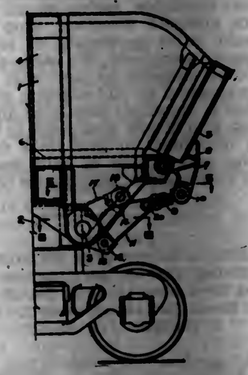
1. A suspension arrangement for vehicle bodies comprising a vehicle frame having a depending bracket arm, a pair of spaced pivots one on said frame and one on said bracket arm, a vehicle wheel, a wheel axle, a housing carrying said axle, said housing having a passage therethrough and having a depending right angle portion, a second pair of pivots one in the passage through said housing and one on said depending right angle portion, a relatively strong crank lever having one arm connected to the pivot on said depending right angle portion and having one arm connected to the pivot in the passage in said housing, a tie rod of relatively light rigid construction extending between the pivots on said depending bracket arm and on said right angle portion, a bracket carried by said frame and a coiled spring interposed between said bracket and said housing for resisting angular displacement of said lever about its pivots.

2,117,591
**VULCANIZATION OF PLASTIC PRODUCTS**
Claude H. Alexander, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application April 17, 1937, Serial No. 137,587
9 Claims. (Cl. 106—22)

1. The method which comprises heating a polyvinyl halide with a condensation product of an aliphatic aldehyde with an aromatic amine, which product contains at least one open-chain compound.

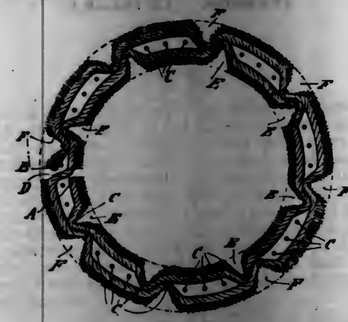


2,117,592
**DUMP VEHICLE**
John P. Anderson, Koppel, Pa., assignor, by mesne assignments, to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application July 3, 1934, Serial No. 733,603
18 Claims. (Cl. 105—276)



1. In a dump vehicle, an underframe, a body supported thereon and projecting outwardly beyond an edge of the underframe, a door forming a wall of the body, a pivotal connection between the body and underframe, a jointed link connection between the door and body and disposed wholly outward of said pivotal connection, and an abutment mounted on the underframe beneath the body and in the path of the said link connection.

2,117,593
**DAMPING ROLL FOR LITHOGRAPHING PRESSES**
Fritz Backofen, Mittweida, Germany
Application December 13, 1937, Serial No. 179,511
1 Claim. (Cl. 91—67.3)



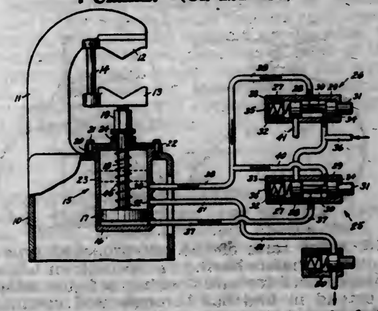
A damping roll for lithographing presses, comprising a seamless double weave interconnected woven material, joined integrally throughout in tube form with a substantial nap at the exterior and interior portions thereof, and having a diameter substantially equal to the diameter of the lithographic roll to which the damping roll is to be applied and a length somewhat greater than the length of such roll, the nap being only on one side of a thread.

2,117,594
**INSIDE CASING CUTTER**
Ray W. Barrett, Huntington Beach, Calif., assignor to S. R. Bowen Co., Huntington Beach, Calif., a corporation of California
Application June 15, 1936, Serial No. 85,262
11 Claims. (Cl. 164—0.7)



11. A casing cutter comprising a mandrel, a spear body slidably mounted thereon, slips on said spear body, friction means also slidably mounted on said mandrel and connected to said slips for frictionally engaging a casing to actuate said slips, an expansible knife on said mandrel, knife-expanding means for expanding said knife in response to downward movement between two predetermined positions of said mandrel with respect to said spear body, releasable locking means for normally retaining said mandrel above the upper of said two positions with respect to said spear body, releasable locking means for normally preventing downward movement of said mandrel with respect to said friction means and slips, both of said locking means being releasable in response to predetermined manipulation of said mandrel and said first locking means being inoperative to release said mandrel for movement downwardly between said two positions with respect to said spear body until after completion of the manipulation necessary to release said second locking means.

2,117,595
**CONTROL FOR FLUID MOTORS**
Gerhard H. J. Baule, Syracuse, N. Y.
Application July 11, 1936, Serial No. 90,193
7 Claims. (Cl. 121—38)



1. The combination of a fluid motor including a cylinder and a piston movable in the cylinder; a supply line for a compressible and expansible

motive fluid; a pair of spaced apart valve means connected to the fluid supply line; a first conduit connection between one of said pair of valve means and one end of the cylinder; a second conduit connection between the other of said pair of valve means and the cylinder and connected to the cylinder at a point spaced apart from the first conduit connection in a direction toward the other end of the cylinder; and a third conduit connected to the first valve means and communicating with the second conduit; said first valve means being normally in a position to close the first conduit to the fluid supply line and open it to the third conduit and operable to open the first conduit to the fluid supply line and close it to the third conduit; and said second valve means being normally in a position to open the second and third conduits to the fluid supply line and operable to close them to the fluid supply line and open them to atmosphere.

2,117,596
GLASS ELECTRODE
Harry Bender, Antioch, and David J. Pye, Pittsburg, Calif.
Application May 20, 1936, Serial No. 80,814
4 Claims. (Cl. 204—5)



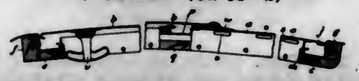
1. A pH measuring electrode structure having in combination a glass tube terminating in a bulb so thin as to be ion permeable, a metal coating on the inner surface of said bulb, electrical connecting means for establishing connection to said coating, and a solid filler backing up said bulb and having substantially the same coefficient of expansion as said glass.

2,117,597
MECHANICAL TOY
Samuel I. Berger, Newark, N. J.
Application February 2, 1938, Serial No. 188,235
13 Claims. (Cl. 46—107)



13. A toy tank of the self-propelled type including a chassis having an opening on top, and a hinged door for said opening, a figure adapted to extend in and out through said opening, a motor in said chassis including a frame casing, a lever pivotally connected to one side of said motor, a winding shaft supported on said frame casing and having one end extending through an elongated slot in said lever, a cam on said shaft end, a member pivotally connected to said lever and having a pair of flanges for engagement with said cam, one of said flanges being adapted to be engaged by said cam during the winding operation of the winding shaft to angularly swing said member in one direction with respect to said lever, whereby said lever is not moved during this winding operation, spring means urging said member in opposite direction, stop means for limiting said latter movement of said member with respect to said lever, the other flange being adapted to be engaged by said cam during the unwinding rotation of said winding shaft whereby said lever is angularly oscillated about its pivotal support, and means responsive to the angular oscillatory movement of said lever for effecting the opening and closing of said door and the in and out movement of said figure through said opening.

2,117,598
SLIDING ROOF FOR VEHICLES
William Henry Bishop, Birmingham, England
Application December 12, 1936, Serial No. 115,450
In Great Britain October 3, 1935
7 Claims. (Cl. 98—2)



1. A vehicle roof having a longitudinal opening therein, a fixed canopy in one end of said opening, ventilating channels between the side edges of the canopy and the adjacent sides of the roof opening, water trapping means below such channels, and a longitudinally slidable panel for optionally covering the other end of said roof opening or uncovering the same.

2,117,599
INSIDE CASING CUTTER
George W. Bowen, Houston, Tex., assignor to S. R. Bowen Co., Huntington Beach, Calif., a corporation of California
Application August 26, 1936, Serial No. 97,911
12 Claims. (Cl. 164—0.4)



1. An inside pipe cutter comprising a cutter head adapted to be secured to a drill pipe, a cutter mounted on said head for movement outwardly into active position and inwardly into retracted or inactive position, means normally tending to move said cutter into inactive position, cutter-actuating means including anchoring means associated with said head for moving said cutter into active position in response to downward movement of said head with respect to said cutter-actuating means, and means responsive to upward movement of the device through a pipe for locking the head against subsequent downward movement with respect to said cutter-actuating means while the device remains within said pipe.



2,117,600
PROCESS FOR THE PREPARATION OF ALKYL FORMATES
John L. Brill and Richard W. Plummer, Newark, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 19, 1935, Serial No. 27,224
12 Claims. (Cl. 260—106)

1. In a process for the preparation of low boiling formic acid esters from an alcohol and carbon monoxide, the steps which comprise conducting the reaction under elevated temperatures and pressures ranging between 200 and 700 atmospheres, when the reaction is substantially complete lowering the temperature to approximately room temperature and the pressure to not appreciably less than 6 atmospheres at which pressure substantially no formate is carried over with the carbon monoxide released from the reaction mixture, venting the carbon monoxide, and subsequently distilling at atmospheric pressure the substantially carbon monoxide-free reaction mixture to obtain the formate.

2,117,601
COMPRESSOR STRUCTURE
Lindsay H. Browne, Pittsford, N. Y., assignor to Kellogg Compressor and Manufacturing Corporation, a corporation of New York
Application August 8, 1936, Serial No. 94,930
3 Claims. (Cl. 230—191)



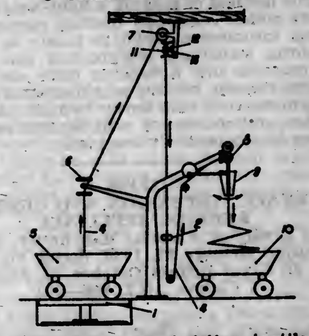
1. In a compressor, a piston structure comprising in combination a cylindrical barrel having a head, said head being formed with inlet passages therethrough, a valve on said head adapted to control said passages, a forked member in said barrel and engaging said head, a wrist-pin in said forked member, the cylindrical wall of said barrel closely embracing the sides of said forked member whereby said wrist-pin may be retained therein, and common means to retain said valve on said head and to secure said forked member in said barrel.

2,117,602
MINERAL OIL COMPOSITION
Ronald Bulkley, Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application February 18, 1936, Serial No. 64,409
6 Claims. (Cl. 196—13)

1. The method of preparing an oxidation inhibitor for use in small amounts in refined hydrocarbon oils which comprises the following steps: Extracting a solvent tar which has been separated from a petroleum lubricant fraction by treatment thereof with a solvent refining agent capable of improving viscosity index with from two to three volumes of acetone at a temperature of from 70 to 80° F., treating the material so extracted with from 75 to 100 pounds per bbl. of 98% sulphuric acid, and neutralizing the acid treated material.

6. An antioxidant for refined petroleum lubricant oils comprising the material produced by extracting solvent tar which has been separated from a petroleum lubricant fraction by treatment thereof with a solvent refining agent capable of improving viscosity index with methanol, acid treating the extract with a comparatively large amount of strong sulphuric acid, and neutralizing the acid treated extract, which antioxidant, when present in a minor proportion in highly refined turbine oils, is capable of substantially preventing the formation of precipitate and acidity when the oil is exposed to continued elevated temperature in contact with copper.

2,117,603
OPENING OF TEXTILE FABRICS FROM ROPE FORM
Julien Dungler, Thann, France
Application June 3, 1937, Serial No. 146,169
In France July 24, 1936
5 Claims. (Cl. 117—1)

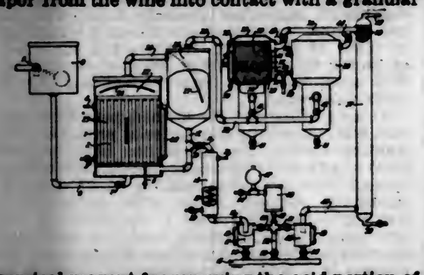


1. In apparatus for untwisting textile fabrics from rope form into the open condition, a rotatable member in which the fabric rope is charged, means for rotating the same, an opening device, means for passing the fabric rope to said opening device, control means in contact with the fabric rope before it reaches such opening device, which control means are movable by the condition and in the direction of twist of the said fabric rope, and contact means for the regulation of movement of the rotatable member which contact means are operated by the movement of the control means.

2,117,604
PROCESS FOR TREATING LIQUIDS
Julius H. Fessler, Berkeley, and Harry C. Johnson, Davis, Calif., assignors of one-third to Mt. Diablo Wine Association, Emeryville, Calif., a corporation of California
Application August 9, 1935, Serial No. 35,458
6 Claims. (Cl. 99—48)

1. The process of removing acid from wine which comprises passing a continuous supply of the wine into a heating chamber to vaporize a

portion thereof including volatile acid, separately removing the vaporized and unvaporized portions of the wine from the chamber, passing the vapor from the wine into contact with a granular



chemical reagent for removing the acid portion of the vapor, condensing the remainder of the vapor, and restoring the condensed vapor to the unvaporized portion of the wine.

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2,117,605
**METHOD OF MAKING LIGHT-WEIGHT MOLDED MATERIAL**
Albert A. Fowler, North Hollywood, and Russell M. Otis, Pasadena, Calif.
No Drawing. Application December 18, 1936, Serial No. 116,644
7 Claims. (Cl. 18—47.5)

1. The method of making a light-weight molded body which comprises heating particles of a hydrous intumescent solid to create in them a spumiform structure, compressing said spumiform particles into a molding form and confining them therein, heating said form and contents at a temperature sufficiently high to unite said particles, and continuing said heating until desiccation is substantially complete.

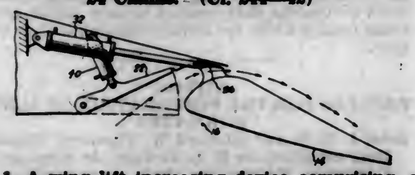
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2,117,606
**CURTAIN SUSPENSION AND CURTAIN REEVING APPLIANCE**
George Frederick French, Manchester, England
Application October 22, 1936, Serial No. 107,069
In Great Britain October 26, 1935
5 Claims. (Cl. 156—20)



1. In curtain suspension and curtain reeving appliances of the kind referred to, a rail of flat web section and having a flat or substantially flat flange along its top edge extending when in use towards the adjacent wall, and runners or gliders shaped to engage the said flange of the rail, and each also shaped to extend down in front of the rail, and embodying means for connecting a curtain thereto, that part of each runner or glider engaging the rail flange being formed to the shape of a flat-sided hook and to a size which, in conjunction with the rail flange, serve to allow the runner or glider to be applied to the rail transversely, or endwise, and when on the rail prevent direct upward detachment, while allowing the front part of the runner or glider to which the curtain is connected to swing outwards relatively to the rail, that part of each runner or glider contacting with the said flange being curved in the direction of the longitudinal axis of the rail, as herein set forth.

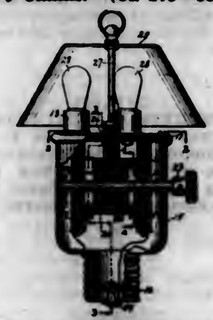
2,117,607
**SLOTTED DEFLECTOR FLAP**
Roger W. Griswold, II, Old Lyme, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 4, 1936, Serial No. 94,189
24 Claims. (Cl. 244—42)



1. A wing lift increasing device comprising, a manually actuatable tiltable flap constituting a hingedly mounted part of the rear portion of the wing spaced from the fixed wing portion to provide a re-energizing wing slot between the fixed wing portion and the flap, and a curved deflector plate projecting at its forward edge into said slot at all operative positions of said flap to direct the re-energizing slot discharge along the upper surface of said flap.

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2,117,608
**LIGHT DIMMING FIXTURE**
Harry Hertzberg, Brooklyn, N. Y.
Application June 24, 1936, Serial No. 86,989
9 Claims. (Cl. 172—336)



1. In a device of the kind described, a hollow insulating casing, an insulating cover plate for one end of the casing, a plug member formed at the other end, a plurality of lamp sockets formed integrally on the outer surface of the plate, a pair of spaced integral walls depending from the inner surface of the plate, a switching drum rotatably mounted between said depending walls, spaced contact members carried by said drum, spaced stationary spring contacts supported on said depending walls and adapted to be engaged by said drum contacts to place the individual lamps in circuit successively, electrical connections between the poles of said plug member and one pair of stationary contacts and between each of said lamp sockets and another pair of said stationary contacts and spring pressed means for holding said drum against rotation.

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2,117,609
**MOTOR FUEL**
James W. Jean, Altadena, Calif.
No Drawing. Application May 15, 1936, Serial No. 79,923. Renewed October 15, 1937
3 Claims. (Cl. 44—9)

3. A fuel, employing a mixture of ingredients fermented and distilled from vegetable products, consisting of butyl alcohol, acetone, and ether not exceeding substantially 10% and light vegetable oil not exceeding substantially 7%, of the whole mixture.



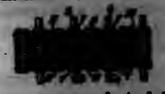
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2,117,610
**MOTOR FUEL**
James W. Jean, Altadena, Calif.
No Drawing. Application May 27, 1936, Serial No. 82,047
1 Claim. (Cl. 44—9)

A motor fuel devoid of coal tar and petroleum products, comprising the following constituents in substantially the following proportions, butyl alcohol 35 parts, acetone 30 parts, ethyl ether 10 parts, ethyl alcohol 20 parts and corn oil 5 parts.

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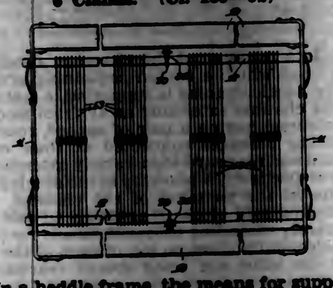
2,117,611
**SPROCKET-DRIVEN BELT**
John D. Karle, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 27, 1937, Serial No. 122,495
5 Claims. (Cl. 74—245)



5. An interwoven sprocket-driven belt comprising a series of parallel power-transmitting weft-bars having end-flanges and arranged in an endless circuit, and a flexible warp-strip woven sinuously over and under in top and bottom contact relation with said weft-bars and passing a plurality of times around the circuit of weft-bars, certain of said weft-bars having coaxial sprocket-tooth-engaging studs extending in opposite directions beyond said end-flanges, and said warp-strip externally enveloping the portion of each weft-bar between its end-flanges.

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2,117,612
**HEDDLE FRAME FOR LOOMS**
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 1, 1936, Serial No. 71,996
6 Claims. (Cl. 139—92)



1. In a heddle frame, the means for supporting the heddle bars intermediate their ends, comprising a bolt member mounted in the heddle frame rail, said bolt member having a head portion provided with flattened sides and a recess in which the heddle supporting bar is positioned, the part of the head portion of said bolt member in which the recess is located being widened thereby to provide a shoulder, a sleeve member slidably mounted on said head portion limited in its movement toward the end of said head portion by said shoulder, and a spring for impelling said sleeve member to locking position, said sleeve member being made of a single piece of sheet metal shaped to provide a portion extending entirely around a part of the head portion of the bolt member and portions at one end engaging the heddle supporting bar to lock the same within the recess in the head portion of the bolt member.

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2,117,613
**CHANGEABLE EXHIBITOR**
Lawrence Kilbern, New York, N. Y.
Application October 30, 1936, Serial No. 108,415
20 Claims. (Cl. 40—36)



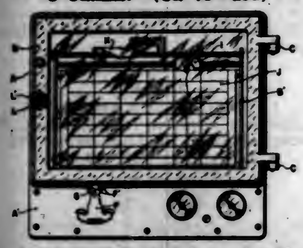
1. A changeable exhibitor comprising upper spaced tracks downwardly inclined toward a display position, display frames hanging between said downwardly inclined tracks by means of pintles riding on said tracks, pivoted catches for said pintles at the lower ends of said supporting tracks, guides for said pintles extending downwardly from said catches, supporting tracks for said pintles extending upwardly and rearwardly from the lower ends of said downwardly extending guides, guides for said pintles extending from the upper rearward ends of said lower supporting tracks upwardly toward the upper rearward ends of said upper tracks, sprockets below the upper ends of said upper tracks and above both the lower and the upper ends of the lower tracks, chains operating over said sprockets and carrying pintle engaging lugs projecting downwardly over the lower upwardly inclined tracks, rearwardly across the upwardly extending return guide and upwardly over the upper ends of the upper tracks, means for rocking said pivoted catches and means for driving said sprocket chains.

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2,117,614
**PRODUCTION OF FAST DYEINGS**
Karl Koeberle, Heinrich Scholz, and Julius Eisele, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 12, 1937, Serial No. 147,923. In Germany July 3, 1936
11 Claims. (Cl. 8—5)
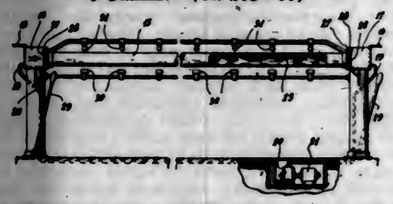
1. A process of producing fast dyeings which comprises treating in an acid bath the material to be dyed with azo compounds free from sulphonic groups which have affinity for the said material and are capable of coupling, and then allowing solutions of diazo compounds to act on the fibres thus treated.

2,117,615
**INSTRUMENT CLOSURE PLATE**
Amber E. Krogh, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 11, 1936, Serial No. 90,197
5 Claims. (Cl. 72—151)



1. An instrument casing formed with a doorway, and with an aperture through which a manually actuatable instrument adjustment device within the casing may be actuated, and a member mounted on said casing for movement into and out of a normal position in which it prevents actuation of said adjustment device through said aperture, and a door normally closing said doorway but movable to open the latter, and which when in its doorway closing position prevents movement of said member out of the said normal position of the latter.

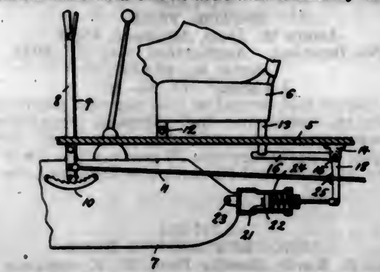
2,117,616
**FISH RACE APPARATUS**
Irving I. Levenstein, Brooklyn, N. Y.
Application June 9, 1937, Serial No. 147,232
6 Claims. (Cl. 273—86)



1. In an apparatus of the character described, a raceway for holding water, a receptacle for holding live fish, positioned at one end of the raceway, means to make the raceway and receptacle communicative whereby the fish shall have access to the raceway, and means to effect a flow in the water in the raceway in a direction towards the receptacle whereby the fish are subjected to upstream conditions upon entering the raceway.

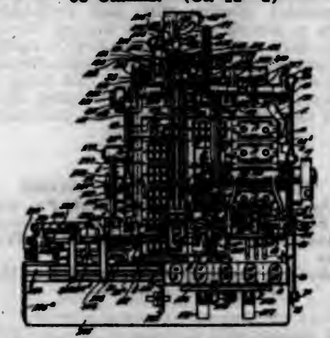
2,117,617
**SAFETY ATTACHMENT FOR AUTOMOBILES**
George D. Littlefield, Searsport, Maine
Application August 18, 1937, Serial No. 159,776
3 Claims. (Cl. 188—169)

1. In an automobile, and in combination, an emergency brake lever, an operator's seat pivoted at its forward end and having at its rear end depending legs working through openings in the floor of the automobile body, a shaft rotatably supported beneath the flooring, means for supporting said shaft, said shaft having a pair of arms extending therefrom and said legs having lower ends engaging the free ends of said arms, a crank arm extending from said shaft, a brake rod connected at one end with said brake lever and working through an opening in said crank arm, a stop on said brake rod in the path of said crank arm, a device pivoted at one end on the automobile and at a relatively opposite end pivotally connected with said crank arm and normally urging



said shaft to rock in one direction for releasably supporting the rear of the said seat in an elevated position, resilient means adapted to actuate said crank arm to its brake applying position when said seat is unoccupied and pneumatic means operable to retard brake applying movement of said resilient means.

2,117,618
**MACHINE FOR APPLYING DECALCOMANIAS**
Francis X. Malocsay, Upper Saddle River, N. J.
Application July 21, 1937, Serial No. 154,719
63 Claims. (Cl. 41—1)



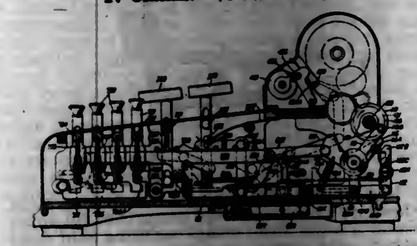
63. In a machine of the character described, a table upon which a carton containing articles to receive decalcomanias is supported, a water-containing channel extending away from said table, said channel having a pair of spaced, rearwardly extending passages connected at their ends by forward and rearward transversely extending passages respectively, a plurality of moistening blocks moving in the passages of the channel, means for moving said blocks rearwardly in one of the rearwardly extending passages, means for holding a decalcomania sheet on top of each of the blocks while the same are being moved rearwardly in said passage and removing said holding means from the block when each block reaches the rear end of the passage, means for moving the blocks from which the holding means has been removed through the rearward transverse passage, means for then moving said blocks forwardly through the second rearwardly extending passage, decalcomania-applying means located at the forward end of the last mentioned passage for removing the decalcomanias from the sheets supported on the moistening blocks when said blocks successively reach the forward end of said passage and applying the decalcomanias to articles in the carton, means for moving the blocks through the forward transverse passage away from the decalcomania-applying means and toward the forward end of the first rearwardly extending passage, and a waste-sheet removing means operative to remove waste backing sheets from the blocks while said blocks are positioned in the forward transverse passage.



2,117,619
**PROCESS FOR THE MANUFACTURE OF AMMONIUM DITHIOCARBAMATE**
Roger A. Mathes, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application August 26, 1937, Serial No. 161,009
19 Claims. (Cl. 260—112)

1. A process for the manufacture of ammonium dithiocarbamate which comprises interacting ammonia and carbon disulfide in the presence of an ester as a diluent.

2,117,620
**CALCULATING MACHINE**
Walter E. Mathi, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application November 12, 1931, Serial No. 574,840
Renewed December 26, 1935
17 Claims. (Cl. 235—62)



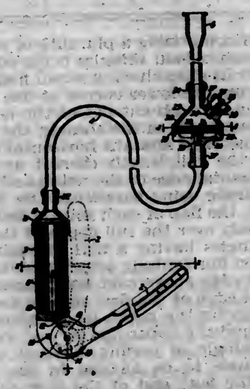
11. In a calculating machine, a motor, actuating mechanism, a clutch between said motor and said mechanism, means operable by said motor for causing engagement of said clutch, means for controlling starting operation of said motor, and manually operable means for initiating operation of said motor control means to start said motor and to initiate operation of said motor operated means.

2,117,621
**COLOSTOMY APPLIANCE**
Edmund G. Mills, Newton, Mass.
Application February 18, 1936, Serial No. 64,463
2 Claims. (Cl. 128—283)



1. A colostomy appliance comprising a domed shell, whose basal edge appears approximately as an ellipse when projected on a surface perpendicular to that axis of the dome which passes through its apex, wherein there are combined the features that, the side walls of the dome are curved so as to reach that basal edge at a steep angle to any plane perpendicular to that axis; and the course of said basal edge as seen from said axis is a succession of reverse curves, of which those constituting the longer sides of the ellipse follow approximately the line at which the dome sides would be cut by an intersecting cylinder having the size and curvature of a human trunk and having its axis perpendicular to both the said axis of the dome and the longer axis of the ellipse; and there is a belt adapted to go around the body of a person wearing the appliance; and there is means on the shell for positioning the belt on the shell asymmetrically of the dome and on that slope thereof which is lower when the appliance is being worn, being the slope below the plane through the apex and the longer axis of elliptical projection, whereby tension of the belt applies the shell with inward and upward pressure of its basal edge toward the body of a person wearing it.

2,117,622
**DOUCHE APPARATUS**
Vincent W. Morton, San Francisco, and Mitchell F. Schweiger, Berkeley, Calif.
Application September 23, 1936, Serial No. 102,182
1 Claim. (Cl. 128—251)

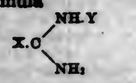


A douche apparatus comprising a hollow handle having a discharge port, and a nozzle pivotally mounted on the handle and having a passage with a port adapted to register with said handle port, one of said ports being elongated to allow registration of the ports in a plurality of positions of said nozzle.

2,117,623
**VAT-DYESTUFF PREPARATIONS FOR PRINTING TEXTILES**
Max Paquin and Oskar Braun, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 4, 1937, Serial No. 140,789. In Germany May 12, 1936
5 Claims. (Cl. 8—6)

1. Dyestuff preparations containing a vat-dyestuff of the anthraquinone series and a condensa-

tion product obtained by heating a compound of the general formula



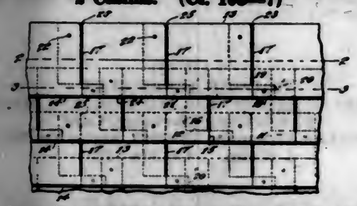
wherein X stands for a member of the group consisting of O, S, NH, Y stands for a member of the group consisting of H and aliphatic hydrocarbon radicals, together with a compound of the general formula

$R_1.NH.R.OH$

wherein R stands for an alkylene radical, $R_1$ stands for an organic radical substituted by at least one $NH_2$ group.

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**2,117,624**
**SHINGLE**
Gerald B. Payne, Scranton, Pa., assignor to The Patent and Licensing Corporation, Boston, Mass., a corporation of Massachusetts
Application February 7, 1930, Serial No. 426,691
2 Claims. (Cl. 108—7)

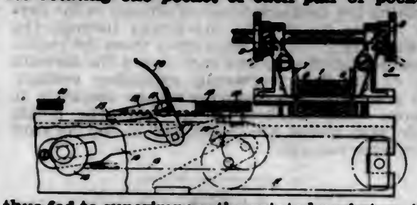


1. A roof comprising a plurality of composition shingles, each of said shingles being substantially rectangular in shape having a nail flap extending laterally from the lower corner at one side of the shingle, and a notch cut-out of the lower corner at the opposite side of the shingle, the notch and flap each having a straight horizontal upper edge extending the full length thereof and the said upper horizontal edge of the notch and of the flap of each shingle being parallel to the butt end of the shingle, the flap of each shingle being integral with the body over the full depth of the flap, one of said shingles having a nail through said flap, and the next horizontally adjacent shingle having its vertical edge above said notch inserted under the vertical edge of the first shingle down to said flap and having the notch in the second shingle placed around the upper juncture of the flap with the first shingle to permit the butt end of the second shingle to be aligned in the same line including the butt end of the first shingle, and having a nail through the flap of the second shingle, and succeeding shingles similarly assembled one with the other to form a continuous row across the roof, and a second row of shingles overlapping the first row from above.

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**2,117,625**
**PACKING MACHINE**
Alfred Charles Prior, Deptford, London, England
Application January 31, 1935, Serial No. 4,420
In Great Britain February 27, 1934
12 Claims. (Cl. 93—3)

1. In apparatus for forming cigarette containers, the combination with means for feeding individual cigarette pockets in series of pairs in a predetermined path, the pockets of each pair being arranged side by side in the same plane, of means to engage the pockets of a pair during movement of the pockets in said path and to effect the positioning of adjacent pockets in face to face relation, said means including mechanism for rotating one pocket of each pair of pockets



thus fed to superimpose the rotated pocket on the other pocket of the pair.

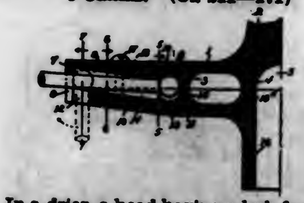
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**2,117,626**
**PROCESS OF PREPARING SULPHAMIDES**
Philipp Oswald, Hofheim (Taunus), Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 21, 1937, Serial No. 160,317. In Germany August 27, 1936
9 Claims. (Cl. 23—190)

2. A process of preparing sulphamide by causing pure ammonia gas free from all inert gases to act in a large excess upon pure sulphur trioxide.

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**2,117,627**
**CLOTHES DRIER**
Tito Principessa, Ellwood City, Pa.
Application March 22, 1937, Serial No. 132,375
5 Claims. (Cl. 211—171)

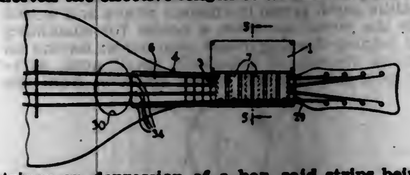


1. In a drier, a head having a hub for mounting the head on a pole, said head comprising an upper disc and a lower disc, means securing said discs together, said upper disc having a peripheral flange and having vertical slots registering with vertical slots in the periphery of said lower disc, and rods passed through said slots and having balls on the ends of the same to prevent the rods from being pulled out through said slots, said discs having radially disposed passages, one for each rod's ball, inclined downwardly and inwardly from the peripheral slots of said flange, the discs each having an annular groove with which the inner ends of said passages merge, the annular groove in the upper disc forming shoulders at the inner ends of said passages to hold the rods against accidental displacement when the drier is in use.

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**2,117,628**
**FINGERING ATTACHMENT FOR STRINGED MUSICAL INSTRUMENTS**
Jonas J. Eichmann, New York, N. Y.
Application June 6, 1935, Serial No. 25,245
4 Claims. (Cl. 84—315)

1. A finger playing attachment for a multi-string musical instrument comprising a casing, a plurality of lever bars fulcrumed to extend from the casing, a tension spring anchored to said casing and connecting with each lever bar adjacent to the fulcrum, a resilient strip carried by each lever adapted to contact and simultaneously shorten the effective length of all the instrument



strings on depression of a bar, said strips being located in non-uniform spaced relation with respect to each other.

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**2,117,629**
**HOLLOW RUBBER WATER STOPPER**
Herman Rosenthal, Ansonia, Conn.
Application December 14, 1936, Serial No. 115,686
6 Claims. (Cl. 4—56)



1. A hollow shell rubber valve member comprising a relatively stiff, relatively thick wall rubber top portion taking the form of a dome, a lower depending cone-like flexible portion having a central opening at the bottom thereof, and an intermediate flexible, relatively thin rubber annular valving portion, said valving portion being supported rigidly at its outer periphery and flexibly at its inner periphery, and said valving portion lying substantially in a plane transverse to the longitudinal axis of the valve member and being integrally connected at its outer periphery to the lower periphery edge of the top portion and at its inner periphery to the upper peripheral edge of the lower flexible portion of the valve member, and said valving portion being solely supported by the lower periphery of said top portion and the upper periphery of said lower portion.

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**2,117,630**
**SHOE HOLDER**
Hyman Sapeer, Marshall, Pa.
Application March 2, 1937, Serial No. 128,744
2 Claims. (Cl. 211—35)



1. A shoe holder constructed of an integral piece of resilient sheet metal comprising, a flat oblong plate provided with a large central opening, a recessed clamp element disposed at the inner end of said plate and extending upwardly at an angle with respect to the longitudinal disposition of said plate, a recessed end member disposed at the outer end of said plate and projecting upwardly from the latter, a tongue joined with the outer end of the plate and projecting into said opening, and a finger stamped from said tongue and disposed below said tongue.

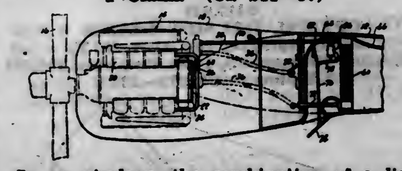
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**2,117,631**
**PROCESS OF SOFTENING WATER**
Erich Seyb, Leuna, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 12, 1936, Serial No. 84,899. In Germany June 15, 1935
1 Claim. (Cl. 210—23)

A process of softening water containing appreciable amounts of gypsum hardness and slight amounts of chlorides of alkaline earth metals comprising adding barium carbonate to the water, separating the solid substances from the water, treating the water with a base-exchanger having exchangeable hydrogen ions and neutralizing the hydrochloric acid still contained in the water with caustic soda after degasifying the water.

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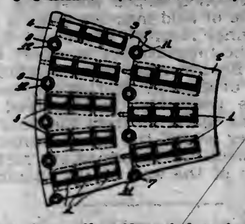
**2,117,632**
**WING RADIATOR**
Igor I. Sikorsky, Long Hill, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 26, 1937, Serial No. 122,403
1 Claim. (Cl. 244—57)



In an airplane, the combination of a liquid cooled engine having means for circulating cooling liquid about the heat radiating portions thereof, a wing for said airplane, a surface radiator in said wing for cooling said liquid, a core radiator in said wing for cooling said liquid, a movable scoop for regulating the flow of air to said core radiator, temperature responsive means for regulating the flow of liquid to said core radiator, and means responsive to the flow of liquid to said core radiator for controlling said air regulating means.

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**2,117,633**
**ROLLER THRUST BEARING**
Charles Henry Smith, Essex, England, assignor to Norma-Hoffmann Bearings Corporation, Stamford, Conn., a corporation of New York
Application January 19, 1937, Serial No. 121,339
In Great Britain January 14, 1936
5 Claims. (Cl. 308—235)



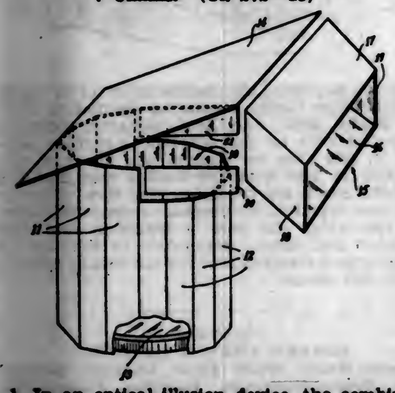
1. A cage for roller thrust bearings comprising a plurality of individual concentric ring parts, the outer peripheral portion of one ring abutting the inner circumferential portion of the radially adjacent ring, each of said rings having bores radially disposed to accommodate rollers, and means for joining one ring to each adjacent ring.

2,117,634
GUN SIGHT MOUNT
Skarden T. Smith, Detroit, Mich.
Application April 21, 1936, Serial No. 75,545
6 Claims. (Cl. 33—50)



2. A sight mount for guns comprising a base elongated longitudinally of the barrel, opposed upstanding inwardly-inclined flanges on said base forming at each end thereof an undercut groove, a sight unit including two rigidly connected triangular base sections each shaped to loosely fit in a respective groove, and means extending through each flange perpendicular thereto for engaging and laterally adjusting each base section and securing the same in position on said base.

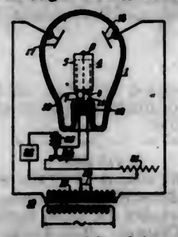
2,117,635
OPTICAL ILLUSION DEVICE
Sidney Sprague, Brooklyn, N. Y.
Application November 5, 1936, Serial No. 109,288
7 Claims. (Cl. 272—12)



1. In an optical illusion device, the combination of a multi-sided open top chamber adapted to house an exhibit; interior walls of said chamber being reflecting surfaces, an intermediary member positioned sloped above the chamber; the underside of said member being a reflecting surface, a final member positioned forward of and below the intermediary member; the upper side of said final member being a reflecting surface, a pair of members having opposed reflecting surfaces positioned in staggered relation, one extending upwardly from the final member, and the other behind the final member and extending between the intermediary member and the top edge of the wall of the chamber.

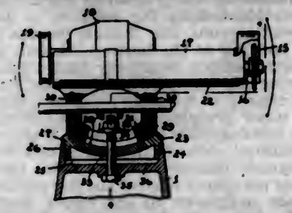
2,117,636
THERMIONIC ELECTRODE
Gerald B. Tjadat, Mount Lebanon, Pa.
Application March 24, 1934, Serial No. 717,152
29 Claims. (Cl. 250—27.5)

1. An electrode adapted to function as an anode or a directly heated cathode comprising a relatively porous sintered slug of finely divided metal particles of the ferrous group and finely divided particles of one or more oxides of the alkaline earth group intimately mixed and united with the metal particles, a holder for sustaining and holding the slug intact, said holder having an opening therein of relatively small area, serving as a slot through which emission from the



slug may take place, and lead-in conductors connected to the slug at spaced points so that, when said conductors are connected to a source of voltage, the metal particles which form a multitude of conducting paths, are traversed by electric current to heat the oxide particles to emission temperatures.

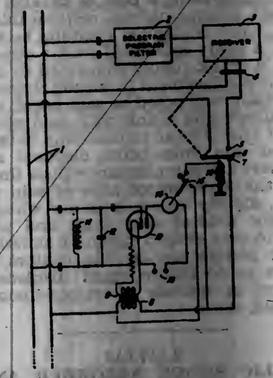
2,117,637
CIRCULAR RELIEF GRINDER
Clyde E. Walling, Lakewood, Ohio
Application September 5, 1935, Serial No. 39,822
2 Claims. (Cl. 51—95)



1. A grinding machine embodying in combination a standard, a horizontal slide supported by said standard, work supporting means adjustably secured to said slide, a grinding wheel shaft, and a supporting head for said grinding wheel shaft, said supporting head embodying a circular base horizontally rotatably secured to said standard, a bearing means for said grinding shaft and integral supporting means for said bearing means intersecting the axis of rotation of said base, said supporting means tiltably securing said bearing means to said base to effect in every adjusted position of said base tilting of said bearing means and grinding shaft in a plane through the longitudinal axis of said shaft and the axis of rotation of said base.

2,117,638
RECEIVER CONTROL SYSTEM
John C. Walter, Collingswood, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application October 2, 1936, Serial No. 103,923
2 Claims. (Cl. 250—20)

1. A receiver control system comprising, a radio receiver, an energizing circuit for said radio receiver, a switch in said energizing circuit, an electron tube stand-by receiver, an electron tube energizing circuit for said stand-by receiver, means operated by the movement of said switch to energize said last mentioned circuit when the energizing circuit for said receiver is open, and control means operated by said stand-by receiver for



energizing said first mentioned receiver upon reception of predetermined signalling energy.



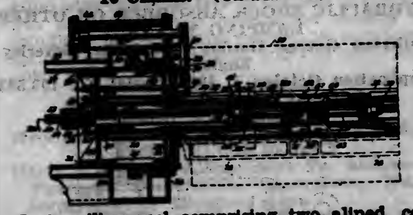
2,117,639
TRAFFIC SIGNAL
Charles B. Watson, Omaha, Nebr., assignor of forty-nine per cent to Fay G. Johnson, Omaha, Nebr.
Application August 7, 1935, Serial No. 35,995
3 Claims. (Cl. 177—337)



1. A traffic signal comprising a signal head, said head having a central vertical electrode contact board therein, vertical gaseous discharge tubes on opposite sides of said contact board, said tubes having end electrodes and intermediate electrodes all in operative association with the contact board, said contact board shielding each tube from view from the opposite side of the head, oppositely mounted tubes being of different color when illuminated to signal stop and proceed respectively, said tubes being adapted to be alternately illuminated, and a vertical shield for each tube, each of said shields extending parallel with the contact board and in front of its respective tube and adapted to shield said tube from view on the side opposite the electrode contact board, each of said tubes being visible only from sides substantially at right angles relative to the concealed sides thereof.



2,117,640
COILING REEL
Raymond J. Wean and Donald A. McArthur, Warren, Ohio, assignors to The Wean Engineering Company, Incorporated, Warren, Ohio, a corporation of Ohio
Application November 24, 1936, Serial No. 112,551
10 Claims. (Cl. 242—78)



5. A coiling reel comprising two alined, collapsible mandrels, means supporting said mandrels for rotation, means for moving at least one of the supporting means axially of the mandrels, and means for rotating said supporting means.

2,117,641
WORK HOLDER FOR ENDLESS CONVEYERS
Oscar E. Westlund, Minneapolis, Minn., assignor to Mereen Johnson Machine Company, Minneapolis, Minn., a corporation of Minnesota
Application May 13, 1937, Serial No. 142,419
3 Claims. (Cl. 142—49)



1. In a machine of the kind described, the combination with skids and feed belts movable on said skids, of an overhead frame having guide wheels journaled thereon, and an elastic belt running over said grooved wheels, said belt having truncated V-shaped form in cross section, arranged with its outer relatively wide surface for engagement with the board or work movable by said feed belt, said overhead frame being provided between said guide wheels with belt pressing means with the under surface of which the relatively narrow inner surface of said elastic belt is engageable.

2,117,642
ELECTRIC MOTOR AND MEANS FOR CONTROLLING THE SAME
Evan D. Williamson, San Francisco, Calif., assignor to E. D. Bullard Company, San Francisco, Calif., a corporation of California
Original application April 12, 1935, Serial No. 16,202. Divided and this application November 16, 1936, Serial No. 110,994
5 Claims. (Cl. 172—179)



1. An electric motor having its brushes normally out of engagement with the commutator, a primary circuit for energizing the motor through the brushes, electrically controlled means for pressing the brushes against the commutator and

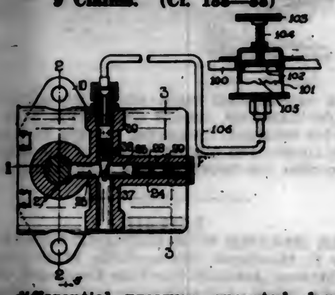
for removing the contact pressure of the brushes from the commutator, a secondary circuit for energizing the last mentioned means, a switch for optionally closing either the primary circuit or the secondary circuit, and a separate switch for closing the secondary circuit.

2,117,643

**HYDRAULIC SHOCK ABSORBER OR OTHER DAMPING MEANS**

Fullerton George Gordon Armstrong, Beverley, England

Application October 1, 1936, Serial No. 103,583
In Great Britain October 25, 1935
9 Claims. (Cl. 188—88)



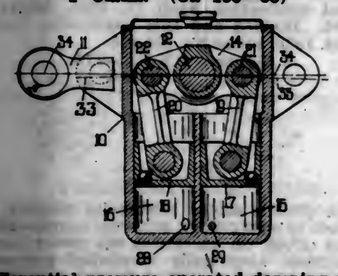
1. A differential pressure operated damping means comprising a bored casing adapted to be connected to one of a pair of elements whose relative displacement is to be damped, a shaft connected to the other element of said pair and having a cam face, a pair of pistons longitudinally displaceable in opposite directions in accordance with angular displacement of said shaft, a pair of cylinders within which said pistons operate, a spindle longitudinally displaceable within a bore of said casing under the control of said cam face, a pair of conduits between said cylinders and said bore, and a pair of valves in adjacent relationship at the opposite end of said spindle to that engaged by said cam face and between the entrances of said conduits in said bore, both of said valves being loaded according to spindle displacement with one valve restricting fluid flow in one direction between the cylinders and the other restricting flow in the opposite direction.

2,117,644

**HYDRAULIC SHOCK ABSORBER OR THE LIKE DAMPING MEANS**

Fullerton George Gordon Armstrong, Beverley, England, assignor to Armstrong's Patents Company Limited, Beverley, East Yorkshire, England

Application October 16, 1936, Serial No. 106,060
In Great Britain June 30, 1936
1 Claim. (Cl. 188—88)



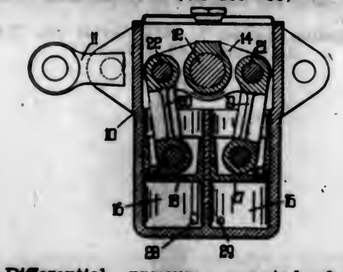
Differential pressure operated damping means for a pair of relatively displaceable members, comprising a casing adapted to be connected to one of said members, a pair of parallel cylinders within said casing, pistons reciprocable in said cylinders, valve controlled conduits between said cylinders, a shaft connected to the other of said members, a crank rigidly connected to said shaft for angular displacement in unison therewith, and links pivotally connected to said crank and serving to connect said crank with said pistons, the centers of the pivotal connections between said crank and said links being disposed at points spaced apart a greater distance than the spacing apart of the longitudinal axes of said cylinders and only slightly below a plane which passes through the axis of said shaft and which intersects the axes of said cylinders at right angles when the pistons are at the centers of their strokes so as to insure equal displacement of said pistons in opposite directions upon oscillation of said shaft.

2,117,645

**HYDRAULIC SHOCK ABSORBER AND THE LIKE DAMPING MEANS**

Fullerton George Gordon Armstrong, Beverley, England, assignor to Armstrong's Patents Company Limited, Beverley, East Yorkshire, England

Application October 16, 1936, Serial No. 106,061
In Great Britain January 16, 1936
6 Claims. (Cl. 188—88)



1. Differential pressure operated damping means for a pair of relatively displaceable members, comprising a casing adapted to be connected to one of said members, a shaft connected to the other of said members, a pair of pistons displaceable on angular rotation of said shaft, a pair of cylinders within said casing and within which said pistons are displaceable, means including a valve seating for providing a restricted passage to the flow of fluid between said cylinders on displacement of said pistons, and a tapered needle valve displaceable toward and away from said valve seating, said needle valve having a tapering flat surface at the tapered end thereof merging into a flat surface of uniform width extending along the shank thereof, whereby to prevent complete closing of the restricted passage.

2,117,646

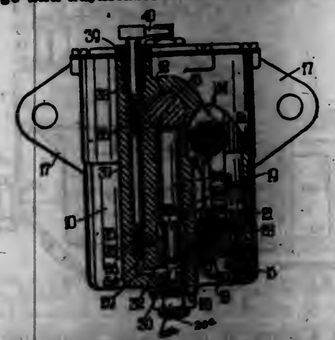
**HYDRAULIC SHOCK ABSORBER AND THE LIKE DAMPING MEANS**

Fullerton George Gordon Armstrong, Beverley, England, assignor to Armstrong's Patents Company Limited, Beverley, East Yorkshire, England

Application October 16, 1936, Serial No. 106,062
In Great Britain August 8, 1936
2 Claims. (Cl. 188—88)

1. Differential pressure operated damping means for a pair of relatively displaceable members, comprising a casing adapted to be connected to one of said members, a shaft connected to the other of said members, a pair of pistons displaceable on rotation of said shaft, a pair of cylinders within said casing and within which said pistons are displaceable, means providing a restricted passage between said cylinders through which the fluid is caused to flow on displacement of said pistons, a valve seating disposed in the restricted passage and adjustable externally of said casing,





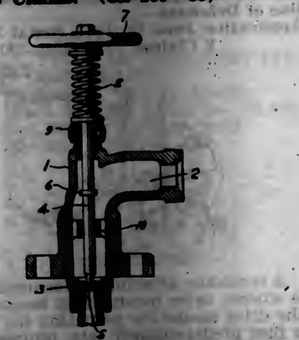
a tapered needle valve longitudinally displaceable with respect to said valve seating in accordance with angular rotation of said shaft, and being of a maximum cross-sectional area less than that of the bore in said valve seating, a by-pass in said casing connecting the restricted passage above and below said valve seating, and valve means for controlling said by-pass independently of the cross-sectional area of restricted passage therethrough said valve seating.

2,117,647

**JET CLEANING DEVICE**

Frederick Beahm, Philadelphia, Pa., assignor to Schutte and Koerting Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 10, 1936, Serial No. 95,684
2 Claims. (Cl. 299—39)



1. A jet-cleaning device comprising, in combination, a body portion having an arcuate fluidway for facilitating the flow of fluid therethrough and for providing space for a stop collar, said body having an inner end provided with an inlet to the fluid way and an outer portion provided with a member extending into said outer portion and having an orifice communicating with said fluidway, a normally retracted spindle arranged for rotation and axial reciprocation through the wall of the arcuate fluidway and having a concaved end providing an annular cutting edge adapted to enter the orifice, a stop collar provided on the spindle and positioned in the fluidway and freely exposed to the pressure therein and freely spaced from the wall of the fluidway, said collar adapted to operate flatwise in co-operation with the inner face of the wall of the fluidway as a packing, a stuffing-box packing said spindle, a handle on the spindle, an anti-torsion spring between the handle and the body, and a guide spider.

2,117,648

**METHOD OF AND APPARATUS FOR CLEANING TUBULAR BODIES**

Harry F. Botterf, Williamsport, Pa., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland

Application November 22, 1935, Serial No. 51,174
4 Claims. (Cl. 51—11)



1. In a nozzle assembly for blasting the inner walls of tubular bodies, an elongated, generally cylindrical member adapted to be inserted in a tube with its axis parallel to the axis of the tube, said member comprising a large diameter portion and a small diameter portion merging into each other, said large and small diameter portions having a longitudinal passage therein, said passages communicating with each other and being disposed in substantially axially aligned relationship, said large diameter portion having at least one jet therein communicating with the longitudinal passage thereof, said jet terminating at the surface of said member where said large and small diameter portions merge into each other, said jet being operable to direct abrasive against the walls of said tube, and means adapting the longitudinal passage of said large diameter portion for connection to a source of compressed air and abrasive, said large diameter portion having a diameter which is not greatly different from the diameter of said tube.

2,117,649

**SOLDERING SOLUTION**

Clete L. Beyle, Detroit, Mich.

No Drawing. Application April 1, 1936, Serial No. 72,060
1 Claim. (Cl. 148—23)

A soldering preparation comprising a fluxing agent, a metal etching acid, mono butyl ether of ethylene glycol, and a wetting agent consisting of cetyl 2.4-aniline di-sulphonic acid.

2,117,650

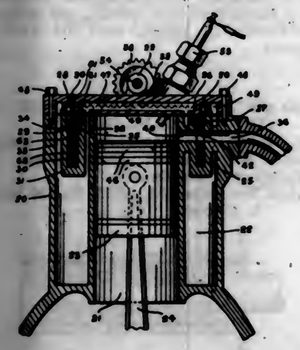
**ROTARY SLEEVE VALVE FOR INTERNAL COMBUSTION ENGINES**

James D. Cameron, Madawaska, Ontario, Canada

Application November 19, 1935, Serial No. 50,607
In Canada April 11, 1935
2 Claims. (Cl. 123—90)

1. In combination with an internal combustion engine, a rotating sleeve valve mounted in an annular channel surrounding the upper end of the engine cylinder in concentric relation thereto, a valve seat formed in the upper portion of said

channel comprising opposed shoulders in the side walls thereof, corresponding shoulders on the opposed sides of said sleeve valve adapted to engage and rest upon said valve seat to establish a seal between the upper end of the valve sleeve and channel, a ring gear formed integral with the upper end of said sleeve valve and extending into the cylinder head, an annular depending flange



formed integral with said cylinder head in concentric relation thereto adapted to seat in an annular recess formed in the upper end of said sleeve valve inside of said ring gear, intake and exhaust ports through the walls of said cylinder and channel below said valve seat, a port in said sleeve valve adapted to alternately register with said intake and exhaust ports and means for rotating said ring gear.

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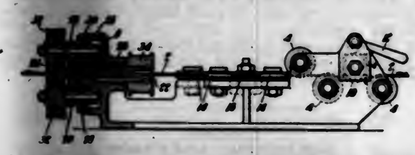
2,117,651

**ROD CLEANING MACHINE**

John J. Caugherty, Demora, Pa.

Application November 27, 1936, Serial No. 113,066

7 Claims. (Cl. 29—81)



1. A machine for cleaning wire or rod moving in a fixed path, comprising a plurality of stationary sheaves secured in a vertical plane, at least one sheave vertically movable in said plane and adapted to bend said rod in a vertical direction, a plurality of stationary sheaves secured in a horizontal plane, at least one sheave movable in said horizontal plane and adapted to bend said rod in a horizontal direction, means for controlling the positions of said movable sheaves, a member provided with an internal gear, a mandrel journaled on said member, said member having an axial aperture therethrough in alignment with the path of said wire or rod, a centering die carried by said mandrel, a plurality of diametrically opposed shafts journaled on said mandrel, pinion gears carried by said shafts and engaged with said internal gear, circular brushes secured to said shafts, said brushes being constructed and arranged to bear upon said wire or rod after it is drawn through said centering die, and means for rotating said mandrel.

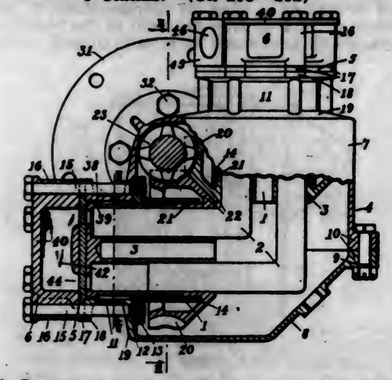
2,117,652

**PUMP AND COMPRESSOR**

John Adrian Chamier, Aldwych, London, and George Frederick Jones, West Hill, Highgate, London, England

Application March 16, 1937, Serial No. 131,244

9 Claims. (Cl. 103—162)



1. In a pump or compressor comprising two cylinder blocks rotatably mounted at an angle to each other with an end of each block adjacent to an end of the other and with angular pistons arranged one end of each piston in a cylinder in one block and the other end in a cylinder in the other block, a drive directly applied to said cylinder blocks comprising two worm wheels around the said blocks near the said adjacent ends and having a rolling contact in the acute angle formed by the blocks and a single driving worm in mesh with both worm wheels in line with the rolling contact between the said wheels.

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2,117,653

**METER ATTACHMENT**

Harry Clifton and Frederick W. Whitehead, Erie, Pa., assignors to Whitecliff Development and Manufacturing Company, Erie, Pa., a corporation of Delaware

Application June 30, 1931, Serial No. 547,996

8 Claims. (Cl. 234—58)



1. A recording attachment for meters including type wheels, drive means, first means responsive to the drive means for actuating the type wheels at a first predetermined rate, impression means, a second means for actuating the type wheels from the drive means at a second predetermined rate, coupling means for selectively coupling either of said type wheel actuating means with the type wheels, means actuated by the drive means and operative following a predetermined operation of the type wheels to cause the coupling means to couple one of said actuating means to the type wheels, locking means for holding the coupling means in a predetermined



coupling relation, a unit control, and means responsive to said unit control for releasing the locking means and operating said impression means.

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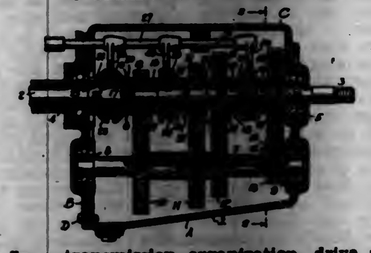
2,117,654

**POWER TRANSMISSION MECHANISM**

Earl R. Cotanch, Los Angeles, Calif.

Application August 8, 1934, Serial No. 739,020

6 Claims. (Cl. 74—375)



6. In a transmission organization, drive and driven shafts, respectively, said shafts being arranged in axial alinement, a plurality of driving mechanisms embodying constantly intermeshed gears in which one thereof is mounted on the drive shaft and another thereof on the driven shaft, each of said last named gears being adapted to idle or to be positively driven and each including a hub relatively different in face widths; two clutch mechanisms rigidly connected together to move as a unit along said shafts, one of said mechanisms being movable on and operatively carried by the drive shaft and the other being movable on and operatively carried by the driven shaft and each complementary with the hub of one of the last named gears and including means to engage therewith or disengage therefrom according as the clutches are moved to certain positions on the shafts, one of said clutches including means to maintain engagement with its complementary hub on one of said gears when the other of said clutches is wholly disengaged from its complementary hub on the other of said gears.

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2,117,655
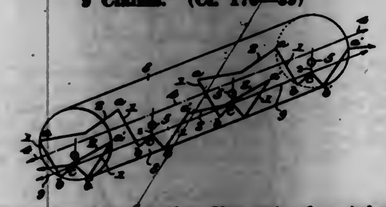
**SUPPORT FOR TUBULAR TUNGSTEN FILAMENT LAMPS**

Milan Degkwghl, Vienna, Austria

Application April 28, 1934, Serial No. 723,003

In Great Britain April 26, 1933

9 Claims. (Cl. 176—39)



1. A support for the filament of a tubular tungsten filament lamp having an envelope tube comprising a continuous resilient metal wire of high melting point, said wire being bent to form a number of rectilinear portions arranged noncolinearly and at an angle to the axis of the tube, certain of said portions lying in planes substantially perpendicular to the axis of the tube and intersecting said axis at spaced points and certain other of said portions uniting the first mentioned portions in such manner that the support is spaced away from the wall of the tube and contacts with the wall only at the angular junction points of said rectilinear portions.

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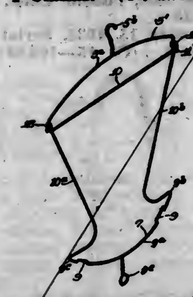
2,117,656

**GARMENT HANGER**

Myrtle L. Donnellan, Chicago, Ill.

Application February 23, 1937, Serial No. 127,080

4 Claims. (Cl. 223—88)



1. A garment hanger comprising an arcuate portion having a pair of depressions intermediate the ends thereof, a pair of diverging side rods one each extending from an end of said arcuate portion, a horizontal bar connecting the ends of said side rods, and hooks at the junction of said side rods with said horizontal bar.

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2,117,657

**SILVER TARNISH INHIBITOR**

Wilmer C. Gangloff and Russell H. Hieronymus, Cincinnati, Ohio, assignors to The Drackett Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application December 31, 1934, Serial No. 760,048

5 Claims. (Cl. 148—8)

1. A compound for dilution with water for a silver tarnish inhibiting bath consisting of $SnCl_2$ and HCl in the proportions of from 1 to 4 grams $SnCl_2$ and HCl from 160 drops to 9 c. c.

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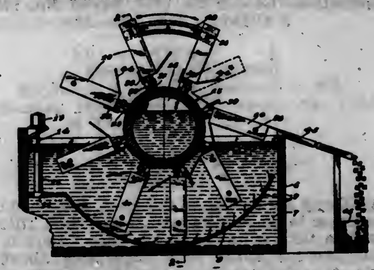
2,117,658

**ICE MAKING METHOD AND APPARATUS**

Thomas B. Gilliam, Miami, Fla.

Application January 28, 1937, Serial No. 122,873

22 Claims. (Cl. 62—105)



1. In an apparatus of the character described, means containing a liquid to be frozen, a hollow mold, means for moving said mold into and out of the liquid, means for passing a refrigerant through the mold while the latter is submerged

in the liquid and for discharging the refrigerant from the mold when it is in a position above the level of said liquid, and means for heating the interior of the mold when it is in a position above the liquid level for thawing a frozen article from the mold.

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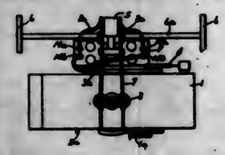
2,117,659
**PIPE CLEANING DEVICE**
Edmund F. Gobatti, Pueblo, Colo., assignor to National Cable, Inc., Pueblo, Colo., a corporation of Colorado
Application February 15, 1936, Serial No. 64,108
3 Claims. (Cl. 15—104.30)



1. An operating device for pipe-cleaning snakes and the like comprising, in combination, a sectional casing; gearing within the casing; a hand crank for operating the gearing; a tubular sleeve within the casing connected to be rotated by said gearing and adapted to carry a flexible pipe cleaning element projecting therethrough; a chuck element on the sleeve within said casing; a manually operable plunger projecting through one side of the casing adapted to engage said chuck whereby the cleaning element may be gripped or released by turning the hand crank.

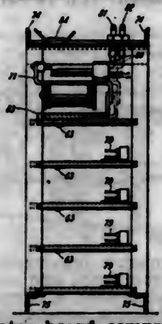
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2,117,660
**X-RAY APPARATUS**
Edwin R. Goldfield, University Heights, Ohio, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 25, 1937, Serial No. 170,810
3 Claims. (Cl. 250—34)



1. X-ray apparatus of the class described comprising a table having an X-ray tube therebeneath, a tube stand having a base adjacent said table and an X-ray tube adjustable above the table, transformer means located closely alongside said table and between said table and said base and substantially midway between the ends of the latter, and means providing shockproof operating connections for selective operation of either of said tubes from said transformer means.

2,117,661
**ELECTRICAL INDICATING MEANS**
Merton L. Haselton, Rye, N. Y., assignor, by mesne assignments, to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Original application May 11, 1928, Serial No. 276,833. Divided and this application January 12, 1937, Serial No. 120,395
4 Claims. (Cl. 177—326)



1. An indicator board comprising a plurality of sections each receiving a plurality of interchangeable electromagnetically operated indicator assemblies and each providing a receptacle to receive a relay assembly including a multicontact switch member connected to control wires leading to the associated indicator assemblies, a plurality of series of contacts carried by each section accessible within said receptacle, and a relay assembly including a multicontact switch member in each receptacle, said relay assembly including a series of contacts for connection with any of said plurality of series of contacts on the section, said relay assembly and section having means facilitating movement of said switch member to selectively connect its series of contacts with any of the plurality of series of contacts on the section.

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2,117,662
**ENGINE ASSEMBLY**
John O. Heinze, Detroit, Mich., assignor to Heinze Development Company, Detroit, Mich., a corporation of Michigan
Application January 23, 1936, Serial No. 60,365
4 Claims. (Cl. 122—3)



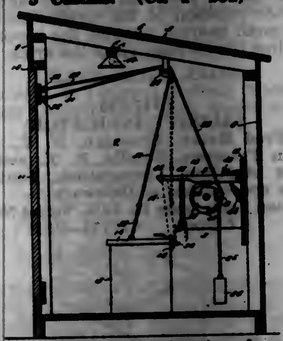
4. In an engine assembly comprising a motor cylinder and a compressor cylinder, said cylinders being formed by hollow circular end walls, an intermediate hollow circular wall and annular



members between said end and intermediate walls and forming the peripheral walls of said cylinders, said walls and members being secured together by through bolts adjacent the peripheries of said walls; a water manifold secured to said cylinders in communication with said hollow walls and formed with an interior combustion chamber having passages affording communication between said chamber and said cylinders; a shaft mounted axially of said cylinders; an eccentric in each cylinder upon said shaft with said eccentrics extending laterally in the same direction from said shaft; a piston of circular form mounted upon each eccentric in each cylinder and each piston formed with a radial slot opening through its periphery; an abutment member in said slot of each piston with its outer end in contact with the peripheral wall of each of said cylinders, a pivot bolt mounted in the end walls of said cylinders and extending through said abutment member within said slots to pivotally support said abutment members, said cylinder walls being formed with ports through which said passages open opposite said outer ends of said abutments to be opened and closed, one in timed relation to the other, by swinging movements of said abutments upon their pivotal supports with the movements of said pistons; and an intake manifold in open communication with said compressor cylinder at the intake side thereof at one side of said chamber and an exhaust manifold in open communication with said motor cylinder at the exhaust side thereof and at the opposite side of said chamber.

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2,117,663
**CLOSET SEAT COVER OPERATOR**
Tom F. Hill, Collecton, Tenn., assignor of one-half to Charles M. Foster, Lynnville, Tenn.
Application July 23, 1937, Serial No. 155,306
5 Claims. (Cl. 4—251)

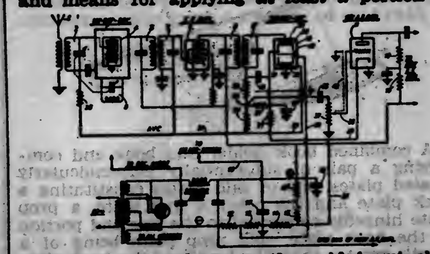


1. In combination with a lavatory house having a door, a bowl having a seat cover, means between the door and the seat cover for elevating the seat cover as the door is opened, and detent means for holding the seat cover in the uncovered position when the door is subsequently closed.

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2,117,664
**AUTOMATIC VOLUME CONTROL SYSTEM**
Paul F. G. Holst, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 28, 1935, Serial No. 29,914
16 Claims. (Cl. 250—20)

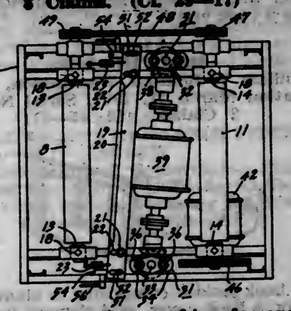
16. In combination with a signal transmission tube and a signal rectifier having its rectifying electrodes coupled to the said tube, a load resistor connected with said electrodes and across which a direct current voltage is developed by rectified signal currents, a biasing circuit for the input electrodes of said transmission tube comprising a direct current voltage source connected between said input electrodes with a device functioning to close the biasing circuit, and means for applying at least a portion of



said developed voltage to the said input electrodes as a gain control bias, and additional means for applying at least a portion of said developed voltage to said device in a sense to cause the biasing circuit to become ineffective when the signal intensity assumes a predetermined value.

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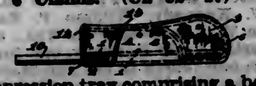
2,117,665
**SHEET OPENING MACHINE**
Guy N. Hughes, Gadsden, Ala.
Application January 13, 1936, Serial No. 58,913
8 Claims. (Cl. 29—17)



8. A sheet separating machine for opening a moving sheet pack including a sheet separator movable with the sheets only upon engagement with stuck sheets, and means to drive the separator in a direction opposite to the movement of the sheets only upon sheet conveying movement of the separator into a position of operative relationship with said driving means.

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2,117,666
**IMPRESSION TRAY**
Raymond L. Hughes, Baltimore, Md.
Application March 19, 1937, Serial No. 131,914
6 Claims. (Cl. 32—17)



1. An impression tray comprising a hollow base having an axially disposed partition forming separate water passages having a water inlet and outlet respectively; solid upstanding walls extending around part of the side of the base; and tubes extending along the outer edges of the walls and along the open parts of the side of the base, each tube having openings communicating with the respective passages.

2,117,667
**BOOK HOLDER**
William V. Johnson, Washington, D. C.
Application July 2, 1936, Serial No. 88,642
1 Claim. (Cl. 45—57)



A combined book holder and book end comprising a pair of substantially perpendicularly related plates, one of said plates constituting a back plate and the other a foot plate, a prop plate hingedly connected to the free end portion of the back plate, said prop plate being of a length greater than the length of the back plate to extend beyond the foot plate when the prop plate is folded against the back plate and the foot plate is in a position to permit the device to be used as a book end, and means associated with the back plate for clamping the back of a book to said back plate when the device is in adjustment for use as a book holder, the foot plate being provided with means for holding coaction with the leaves of the book, the outer end portion of the prop plate being provided thereacross with a bead to provide a stop for coaction with a book when the device is being used as a book end.

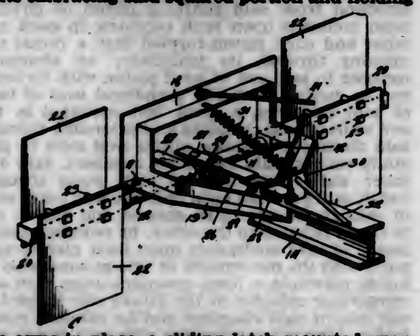
2,117,668
**BOOK HOLDER**
William V. Johnson, Washington, D. C.
Application March 11, 1937, Serial No. 130,287
2 Claims. (Cl. 45—57)



1. A book holder comprising a clamping element for a book cover, said element including a pair of coacting plates in overlying relation, a spring extending across the outer face of one of the outer plates and having an end portion secured thereto, a rod extending across the marginal portion of such plate and having a loop adjacent an end thereof extending laterally therefrom, and means for connecting the free end portion of the spring to the inner leg of the loop, the outer leg of the loop constituting a fulcrum coacting with the plate upon outward swinging of the rod to increase the tension of the spring.

2,117,669
**TWO-ROW LISTER FURROW BLOCKER**
James W. Kennedy, William F. Ramsey, and Marrion W. Lee, Oklaunion, Tex., assignors of one-fourth to said Kennedy, one-fourth to said Ramsey, one-fourth to Lee and Morris, Vernon, Tex., a partnership composed of Marrion W. Lee and Grover C. Morris, and one-fourth to M. K. Berry, Vernon, Tex.
Application October 31, 1936, Serial No. 108,650
4 Claims. (Cl. 97—55)

1. A furrow blocking attachment for listers, including a draft bar, a frame carried by the rear end of the draft bar, a transversely extending shaft rotatably mounted in the frame, terminal members approximately square in cross-section and mounted upon the extremities of said shaft, a pair of blocker blades disposed against opposite faces of the terminal members and extending in opposite directions, bolts detachably holding said blocker blades to the square terminal members, the middle portion of the shaft having a member which is square in cross-section, arms disposed against opposite faces of this square member and extending in opposite directions and in planes at right angles to the planes of the blocker blades, bolts embracing said squared portion and holding



the arms in place, a sliding latch mounted upon the rear end of the draft bar, a spring urging the latch into the path of movement of the arms, a rock shaft supported forward of the rear shaft and having a crank arm, a rod connecting said crank arm to the latch, said rock shaft having an outwardly extending trip arm and a roller mounted for rotation in a closed path and at intervals engaging the trip arm to thereby release the latch at spaced intervals of time and thereby permit the rotation of the shaft under the action of earth bearing against the blocker blades and against the extremities of the arms.

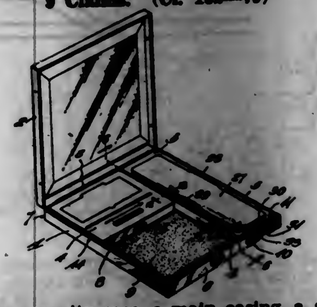
2,117,670
**SALINITY INDICATOR**
Morris Fred Kotay, Brooklyn, N. Y., and Joel Darwin Petersen, Roselle, N. J., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 10, 1936, Serial No. 100,216
5 Claims. (Cl. 175—183)



1. In a salinity measuring and indicating device, a pair of spaced electrodes adapted to be immersed in the fluid the salinity of which is to be determined, a meter for indicating the current flow between said electrodes, comprising mutually interacting fixed and movable coils, a variable resistance calibrated in terms of the temperature of the fluid being tested and manually adjustable to compensate for variations in said temperature and a fixed resistance; said electrodes, meter, variable resistance and fixed resistance being electrically connected together in the form of a Wheatstone bridge with the electrodes and variable resistance lying in parallel legs of the bridge, one of said coils constituting the bridge wire across one diagonal of the bridge, a second coil connected across the other diagonal of the bridge, and a third coil comprising a third leg of the bridge.

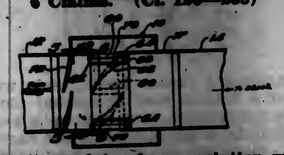


2,117,671
**VANITY CASE**
Walter Laugel, New York, N. Y.
Application November 1, 1937, Serial No. 172,258
9 Claims. (Cl. 132—79)



1. In a vanity case, a main casing, a shell in said casing extending between front and rear walls thereof for a portion of its width and defining a cosmetic receiving tray and a comb-receiving chamber under the tray, the front wall of said casing being formed with an opening constituting an entrance for the chamber, said chamber being adapted to house a comb, and a powder container in said casing fitting snugly between said shell and a side wall of the casing against the rear wall of the casing in spaced relation to the front wall of the casing and cooperating with the forward portion of said shell to provide a powder receiving well, the front wall of the powder container being provided with an outlet for passage of powder from the container into the well.

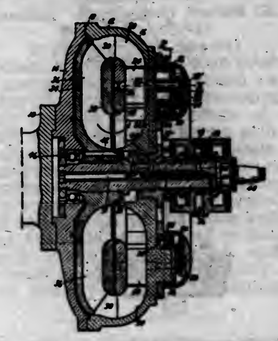
2,117,672
**DRAFT REGULATOR**
Howard V. Linhard, Detroit, Mich.
Application December 16, 1935, Serial No. 54,602
6 Claims. (Cl. 126—285)



3. A draft regulator for association with a flue comprising, in combination, an enclosure adapted for connection into said flue, an inlet nipple extending into said enclosure, an outlet nipple extending into said enclosure, the ends of said nipples being spaced to define an opening therebetween, a thimble of lesser diameter than said nipples secured within one of said nipples and extending into the other nipple, deflecting fins carried by said thimble, and additional deflecting fins positioned within one of said nipples.

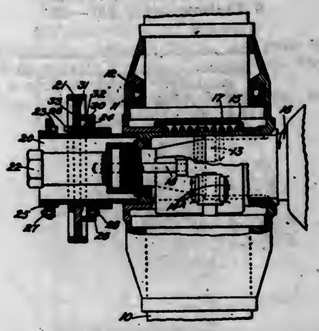
2,117,673
**HYDRAULIC TRANSMISSION**
Alf Lyaheim, Stockholm, Sweden, assignor to Aktiebolaget Ljungstrums Angturbin, Stockholm, Sweden, a corporation of Sweden
Application May 7, 1935, Serial No. 20,123
In Germany May 8, 1934
14 Claims. (Cl. 60—54)

1. In a hydraulic transmission, a driving member comprising a rotatably mounted casing providing a working chamber in which liquid is circulated in a closed path of flow to transmit power, a ring of fixed liquid impelling blades mounted in said casing and rotating therewith, a ring of control blades mounted in said casing and rotating therewith, the spaces between adjacent fixed blades and between adjacent control blades constituting serially related portions of said path of



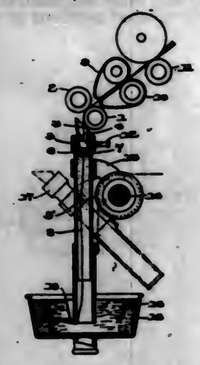
flow, and said control blades being pivotally mounted in said casing and adjustable about their respective pivots to alter the cross-sectional area for flow of liquid through the ring of control blades, whereby to control the rate of circulation of the liquid in the transmission, and means operable from the exterior of the casing for altering the positions of said control blades.

2,117,674
**VARIABLE OR CONTROLLABLE PITCH AIRSCREW**
Harry Lawley Milner, Gotherington, England
Application November 18, 1935, Serial No. 50,424
In Great Britain November 23, 1934
6 Claims. (Cl. 170—162)



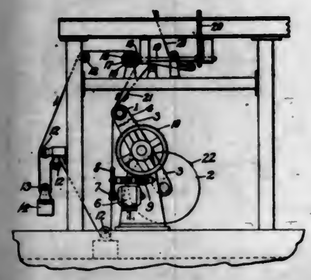
1. A controllably variable pitch airscrew comprising in combination a hub, blades mounted therein for angular pitch-changing movement, abutment means controlling said angular pitch-changing movement and movable in an axial sense in the hub, and an inertia mass which is mounted coaxially with the airscrew shaft for angular movement thereabout by accentuated changes of rotational speed of the airscrew, and cooperating with said abutment means to govern the axial position thereof.

2,117,675
**HIGH SPEED SPINNING MACHINE**
Eisaburo Negishi, Kiriu, Japan
Application May 1, 1937, Serial No. 140,247
In Japan May 18, 1936
9 Claims. (Cl. 118—38)



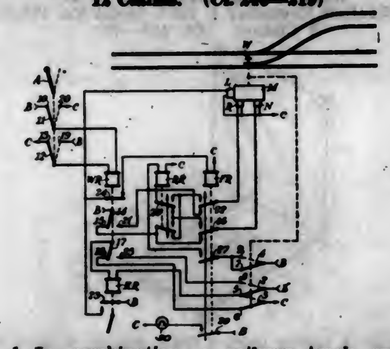
1. In a high speed spinning machine having a sliver drawing mechanism and having a sliver sucking device and having a rotatable pot; means for introducing fluid into said sucking device; and means in the sucking device for imparting to the fluid therein rotating and advancing movements whereby said fluid will envelop the sliver and cause initial twisting of the sliver within the sucking device.

2,117,676
**PROCESS AND APPARATUS FOR MAKING HIGH SPEED PASTERS**
George J. Pratts, Chicago, Ill., assignor, by mesne assignments, to Donald M. Carter, Chicago, Ill.
Application August 5, 1929, Serial No. 383,651
Renewed August 7, 1933
9 Claims. (Cl. 242—58)



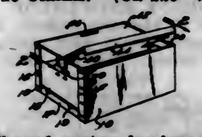
9. An apparatus for making high speed pasters comprising a support for a new roll of paper and an expiring roll, a movable driving device for engaging the expiring roll of paper from which the web is being delivered to the device using the paper, an actuating device for moving the support to bring the new roll into contact with the same movable driving device at a point free from the web of the expiring roll for rotating the new roll and bringing it up to the desired speed and for moving the new roll while in rotation into contact with the web of the expiring roll.

2,117,677
**RAILWAY SWITCH CONTROL APPARATUS**
George R. Pfleiderer, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 8, 1937, Serial No. 135,678
12 Claims. (Cl. 246—219)



1. In combination, a railway track switch capable of assuming a first or a second position, a motor for operating said switch, manually controlled means for causing said motor to drive said switch from said first position to said second position, and means for causing said motor to restore said switch to said first position if the switch fails to attain its second position within a predetermined time interval.

2,117,678
**CARTON**
Lawrence W. Reaume, Monroe, Mich., assignor to River Raisin Paper Company, Monroe, Mich., a corporation of Michigan
Application November 11, 1937, Serial No. 173,967
10 Claims. (Cl. 229—27)



1. A cardboard carton having side walls, end walls, and a bottom wall connected together to form a box structure, said end walls being provided with hand holds for lifting the carton, a reinforcing member extending longitudinally of the carton intermediate the side walls, and being secured to the end walls to reinforce the same, said reinforcing member having sidewardly directed top portions formed integral therewith.

2,117,679
**EARTH BORING DRILL**
Clarence E. Reed, Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application December 27, 1935, Serial No. 56,399
16 Claims. (Cl. 255—71)

1. In an earth boring drill having a rotary toothed cutting organization made up of at least three frusto-conical roller cutters disposed at the bottom of the drill about the vertical axis thereof, each cutter rotating about an axis inclining downwardly and inwardly towards the vertical axis of the drill, and having two separately tapered toothed cutting areas, the apex of one of

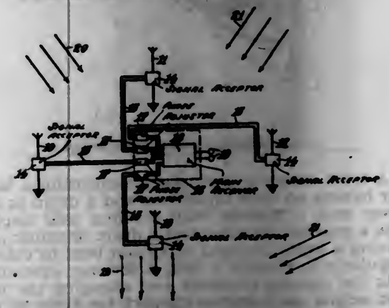


said areas of each cutter, if extended, being far to one side of the vertical axis of the drill, said cutting organization having teeth whose crests extend in planes substantially radial to the vertical axis of the drill, and other teeth whose



crests extend in planes substantially perpendicular to planes first mentioned, said other teeth tracking and alternating in position in the same circumferential row with the teeth first mentioned, substantially as described.

2,117,680
**WIRELESS RECEIVING SYSTEM**
James Robinson, London, England
Application November 2, 1934, Serial No. 751,205
In Great Britain November 7, 1933
9 Claims. (Cl. 250—20)



1. A receiving system for modulating carrier wave transmissions comprising the combination of an aerial, selective receiving means at said aerial tuned for the wanted signals, the selectivity of said receiving means being such that there is no response to interfering modulation signals whereof the carrier frequency differs from the frequency of the wanted carrier wave by an amount less than the highest modulation frequency of the wanted signal, at least one additional aerial spaced apart from the first said aerial and also having selected receiving means similarly tuned for the wanted signals and of such high order of selectivity as to remove modulation interference of the unwanted transmission, said additional aerial being so spaced from the first said aerial that the heterodyne beat note produced by the wanted and unwanted signals is different in phase at the two aerials, each of said aerials having pronounced directional characteristics, and means combining the modulation signals comprising the wanted signals and the heterodyne beat interference signals in approximately the same phase for the wanted signals whereby the heterodyne beat interference signals are combined in out-of-phase relationship and with diminished effect.

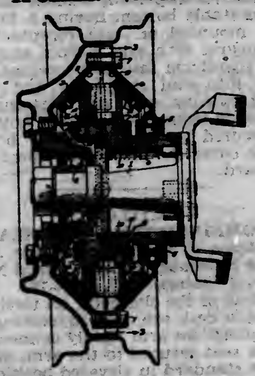
2,117,681
**MILK PRODUCTS**
Anthony R. Sanna and Filip Leon Sanna, Madison, Wis.
No Drawing. Application August 11, 1936, Serial No. 95,442
9 Claims. (Cl. 99—54)

9. A process of producing a food product from the acid precipitation of coagulated casein and albuminoids of skimmed milk, consisting in subjecting the mass to a temperature of approximately 195° F. and adding a dilute acid to bring the pH of the milk to approximately 4.4 and maintaining the acid and temperature conditions for approximately 90 minutes to hydrolyze the proteins to primary and secondary proteoses, peptones and amino acids and to cause hydrolysis of the lactose, then adding an alkali to bring the pH of the mass to approximately 9.5, and permitting the mass to cool to aproximately 60° F. to render the hydrolyzed proteins soluble.

2,117,682
**CHOCOLATE MILK PRODUCT AND METHOD OF MAKING THE SAME**
Filip Leon Sanna, Madison, Wis.
No Drawing. Application November 1, 1937, Serial No. 172,291
8 Claims. (Cl. 99—25)

1. A method of producing a chocolate milk powder, consisting in subjecting skim milk to heat, precipitating the casein therein, maintaining the heat condition of the mass while adding a low-fat cocoa, adding an alkali to bring the pH of the mass to substantially 8.5, maintaining the heat condition for a sufficient period to cause the mass to thicken, the precipitated proteins to become soluble and the lactose to be decomposed, and emulsifying the mass through a homogenizer.

2,117,683
**HYDROSTATIC BRAKE**
Claude Sausedde, Detroit, Mich., assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich., a corporation of Michigan
Application October 30, 1936, Serial No. 108,352
11 Claims. (Cl. 188—152)



1. A fluid pressure motor for use in a brake assembly having a brake drum, brake shoes adapted

to contact said drum, a stationary spider supporting said shoes for movement radially into engagement with said drum, said motor comprising a fluid pressure chamber integral with said spider, a movable element associated with said chamber, a seal formed of elastic material supported against radial expansion by the wall of said chamber and having one end surface bonded to a transverse wall of said chamber and its opposite end surface bonded to said movable element, said movable element being adapted to engage means on said shoes whereby movement of the latter moves said shoes radially into contact with said drum.

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**2,117,684**
**FIRE EXTINGUISHER**
George Schaaf, Buffalo, N. Y.
Application October 14, 1935, Serial No. 44,924
13 Claims. (Cl. 169—11)



3. In a device of the character described, comprising a container for carbon dioxide under pressure, a conduit extending from said container, a nozzle at the discharge end of said conduit, a horn as a part of said nozzle and a closed casing inclosing an air space about said horn as a means to insulate said horn by the air in said casing.

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**2,117,685**
**DISPENSING DEVICE**
Robert H. Smith, Jr., San Mateo, Calif.
Application December 21, 1936, Serial No. 117,105
1 Claim. (Cl. 312—39)

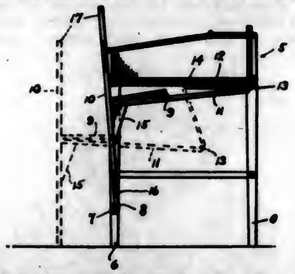


In a device for dispensing salmon eggs, a receptacle, a rotatable bottom having a knurled surface and mounted on said receptacle, a cone formed integral with said bottom and extending upwardly therefrom into said receptacle, a guard extending into said receptacle and forming a dispensing opening, said guard having its lower margin spaced from said rotatable bottom, and a closure secured to said rotatable bottom and adapted to cover the dispensing opening formed by said guard.

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**2,117,686**
**COMBINED DESK AND SEAT**
William J. Sponsler, Danville, Ill.
Application November 10, 1936, Serial No. 110,149
4 Claims. (Cl. 155—78)

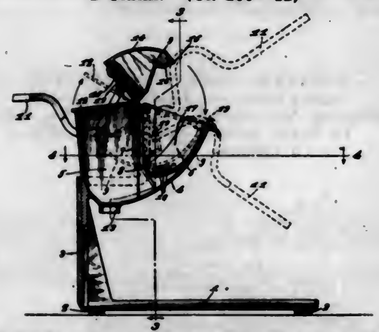
4. In a desk of the character set forth the combination of, a desk top, legs supporting the desk top, a standard, an arm rigidly connected to the standard, a seat secured to the arm, means supporting the standard in elevated position against the edge of the desk top when in inoperative position, and swingable means connecting the arm to the desk top and retaining it in elevated inoperative position, said standard being adapted



to extend in front of the desk, when in operative position, with its lower end resting on a floor.

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**2,117,687**
**SQUEEZER AND CUTTER**
Fred H. Stanton, Brady, Tex.
Application February 5, 1936, Serial No. 62,536
1 Claim. (Cl. 100—41)



A fruit cutter and squeezer comprising a hopper having an open upper end and a drain in the lower end, a squeeze wall dividing said hopper into a squeeze chamber and a drain chamber and having a knife slot and a portion bent to extend angularly to provide a rest, a strainer extending into the squeeze chamber and engaging the rest and acting as a partial support for fruit in the squeeze chamber, a squeeze plate hinged on the hopper and movable into the squeeze chamber to force fruit against the squeeze wall, a knife blade fixed on the squeeze plate to move in advance thereof for severing the fruit and adapted to enter the drain chamber by way of said slot, a handle for operating the squeeze plate, a catch on said squeeze plate to be positioned to contact the strainer for supporting the squeeze plate in position for closing the squeeze chamber, and a hinged cover for the drain chamber.

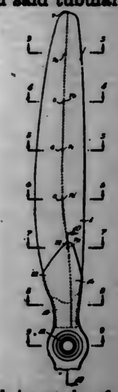
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**2,117,688**
**PROPELLER CONSTRUCTION**
Morris J. Stone, Detroit, Mich., assignor to Barkley-Grow Aircraft Corporation, Detroit, Mich., a corporation of Michigan
Application February 5, 1937, Serial No. 124,184
10 Claims. (Cl. 170—159)

1. A propeller comprising a tubular hub portion having a central transverse propeller shaft receiving portion, propeller blades telescoping into each end of said tubular portion, a split



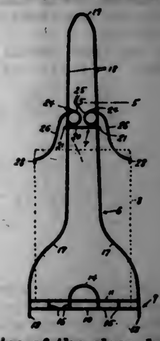
sleeve enveloping said tubular portion and integrally secured thereto, said sleeve extending outwardly beyond said tubular portion and being



integrally secured to each of said blades at its outer edges, said tubular portion also being directly secured to said blades.

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**2,117,689**
**TEMPORARY TRASH BAG HOLDER**
Otto A. Tatsch, San Antonio, Tex.
Application August 14, 1936, Serial No. 96,097
2 Claims. (Cl. 248—101)

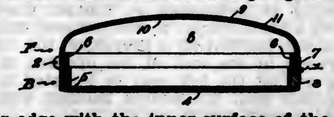


2. In a device of the class described, the combination with a pair of vertically disposed rod like uprights, of a bag holder and spreader comprising a single piece of wire bent upon itself to form a pair of upper and lower loops around each upright slidable thereon, each upper loop terminating in a coil, and each coil terminating in a downwardly and outwardly extending spreader finger of arcuate form, said loops and uprights frictionally engaging to retain the loops in different positions.

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**2,117,690**
**DISPLAY CASE**
Leslie O. Wetherell, Attleboro, Mass., assignor to The Mason-Lennon Company, North Attleboro, Mass., a corporation of Massachusetts
Application May 5, 1937, Serial No. 140,868
2 Claims. (Cl. 206—44)

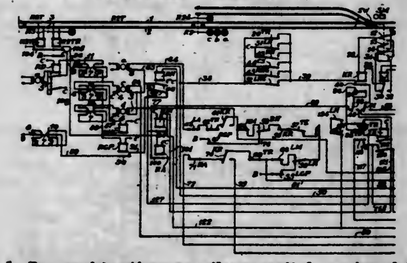
1. A display case having end members and side members bridging the space between the end members with their outer sides substantially flush with the lateral edges of the end members, the end members extending above the side members and having continuous edges extending, at least in part along curves, from one side member to the other, said edges being recessed on the inside to form outwardly facing surfaces and at least one of said side members having a groove in its



upper edge with the inner surface of the groove substantially flush with said outwardly facing surfaces of the end members, and a transparent cover extending along said surfaces with its margin extending into said groove.

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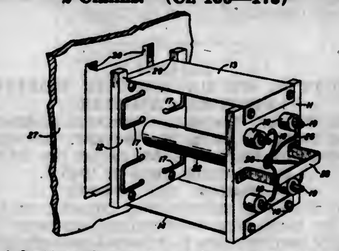
**2,117,691**
**RAILWAY TRAFFIC CONTROLLING APPARATUS**
Earl M. Allen and Charles A. Brooks, Swissvale, and Howard A. Thompson, Edgewood, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 29, 1930, Serial No. 505,328
Renewed March 6, 1933
45 Claims. (Cl. 246—3)



1. In combination, a railway switch, a signal to govern traffic over the switch, a normally deenergized traffic governing relay, a normally energized approach locking relay, means controlled from a remote point to energize said traffic governing relay and to deenergize said approach locking relay, a circuit effective with said traffic governing relay energized and said approach locking relay deenergized to clear said signal, and means to operate the switch ineffective to move the switch as long as said approach locking relay is deenergized.

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**2,117,692**
**BATTERY BOX**
George E. Atkins, Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 23, 1936, Serial No. 60,462
2 Claims. (Cl. 136—173)

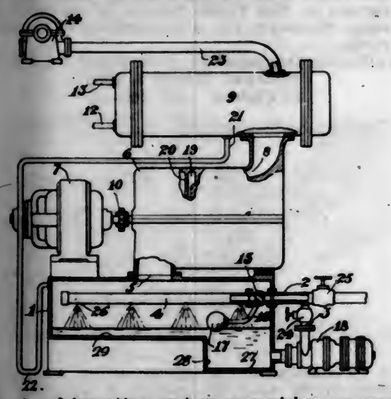


2. A battery box comprising a frame including insulating end pieces carrying contacts for the

cells of a battery and electrically conductive plane side walls holding the end pieces in spaced relation and constituting the output terminals of the box, and being adapted to be inserted in an opening in a housing to contact the terminals of a work circuit therein, one of the end pieces of the box having a projection for engaging a recess in the wall of the opening in the housing so that the box may be inserted in the housing only with the desired polarity with respect to the work circuit.

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**2,117,693**
**APPARATUS FOR REFRIGERATING PURPOSES**
**Paul A. Bancel, Montclair, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey**
**Application May 17, 1935, Serial No. 22,003**
**2 Claims. (Cl. 62—152)**

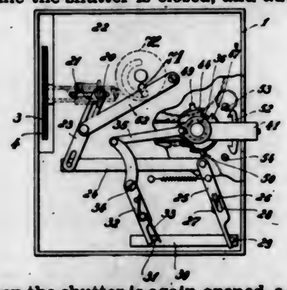


1. A refrigerating system comprising an evaporator wherein a refrigerant is partially vaporized, means to admit refrigerant to the evaporator, means to remove chilled refrigerant from the evaporator, means enclosed in the evaporator and acting responsively to the refrigerant level in the evaporator to control said admission of refrigerant, a constant speed water cooled centrifugal compressor to induce vaporization of the refrigerant in the evaporator in quantities varying directly with the temperature of the refrigerant admitted and to remove the vapor thus formed, said compressor being constructed and arranged to have a low suction pressure limitation set to prevent freezing of the refrigerant in the evaporator, a condenser to which vapor is delivered, and means including a trap whereby the condensate in the condenser is returned to the evaporator.

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**2,117,694**
**SHUTTER MECHANISM FOR MOVING PICTURE CAMERAS**
**Helmut Becker, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany**
**Application May 29, 1936, Serial No. 82,451**
**In Germany June 3, 1935**
**8 Claims. (Cl. 88—16)**

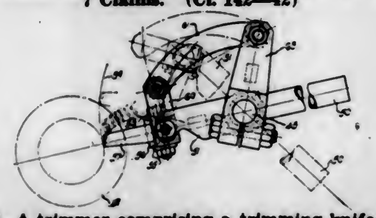
1. In a motion picture film camera an apparatus for producing overlapping exposures comprising in combination a shutter, operating means to open and close the shutter, film advancing means, a device for reversing the film advancing means, a normally inactive coupling mechanism for automatically and sequentially operatively connecting the shutter operating means with the film advancing means to close and open the shutter and for connecting the said reversing device with the film advancing means to reverse the film while the shutter is closed, and advance the



film when the shutter is again opened, a manually operated member for moving said coupling mechanism into operative position and a member in said coupling mechanism and actuated by the said film advancing means for automatically moving said coupling mechanism into inoperative position.

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**2,117,695**
**TRIMMER**
**Floyd G. Bovard, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey**
**Application May 20, 1936, Serial No. 80,767**
**7 Claims. (Cl. 142—42)**



1. A trimmer comprising a trimming knife for removing excess material from the surface of a rotating, plastic, work piece, means for feeding said trimming knife toward said piece as material is removed from the surface thereof, said means comprising a movable tool support on which said knife is pivotally mounted and means operated by said feeding means for controlling the cutting angle of the edge of said knife to secure the most advantageous cutting angle for all positions of adjustment of said knife.

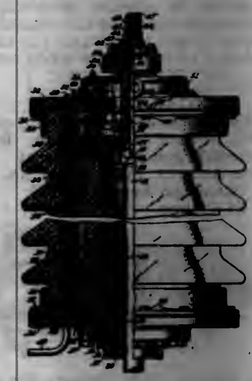
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**2,117,696**
**POTHEAD**
**Thomas F. Brandt, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey**
**Application September 28, 1935, Serial No. 42,649**
**15 Claims. (Cl. 247—6)**

1. A high pressure pothead comprising an inner dielectric sleeve for containing insulating fluid under high pressure, fittings at opposite ends of said sleeve, springs for holding said fittings against the ends of said sleeve and placing said sleeve under compression, the force of compression being transmitted from one of said fittings to the other through said sleeve and means



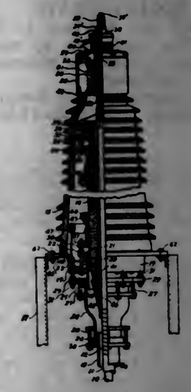
comprising a tension member outside of said sleeve for connecting one of said fittings with



said springs and for withstanding the reaction of said springs.

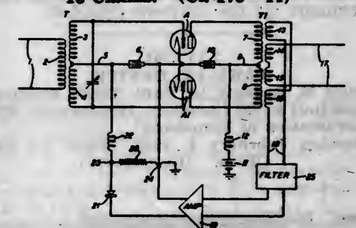
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**2,117,697**
**POTHEAD**
**Thomas F. Brandt, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey**
**Application January 30, 1936, Serial No. 61,527**
**16 Claims. (Cl. 247—6)**



1. The combination with a conductor having an insulating covering and a conduit surrounding said conductor and covering and filled with insulating fluid under pressure, of an insulating housing for said conductor comprising an insulator tube surrounding a portion of said conductor projecting from said conduit, a fitting connected with said conduit, an attachment member fixed to said tube and mechanically connected to said fitting for transmitting mechanical stress between said tube and fitting, a collar on said fitting surrounding said tube, packing for sealing the joint between said collar and tube, a ring surrounding said tube adjacent said collar, said ring being movable relative to said tube, and means connecting said ring and fitting for compressing said packing.

**2,117,698**
**TRANSMISSION SYSTEM**
**Horace T. Budenbom, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application January 11, 1936, Serial No. 58,727**
**13 Claims. (Cl. 178—44)**



1. The combination in a transmission system of a transmission line having a translating device therein, input and output circuits for said device, a coupling transformer in the output circuit having its windings arranged to selectively separate the thermally produced noise currents and signal currents in said output circuit, and means for utilizing said selected noise currents to control the voltage in the input circuit of said translating device.

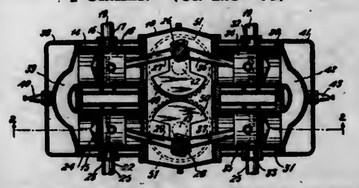
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**2,117,699**
**DYEING OF LEATHER**
**John Burchill, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain**
**No Drawing. Application February 1, 1937, Serial No. 123,545. In Great Britain January 30, 1936**
**1 Claim. (Cl. 8—5)**

The process which comprises dyeing at least an outer layer of a wet-out leather with an aqueous solution of the sulphuric ester of a leuco vat dyestuff, gradually acidifying with a dilute acid and there developing the color by applying a dilute acidified solution of an oxidizing agent, the temperature of said saturating, acidifying and development not exceeding 50° C.

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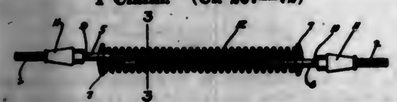
**2,117,700**
**INTERNAL COMBUSTION ENGINE**
**Harry L. Burkhardt, Santa Monica, Calif.**
**Application June 28, 1935, Serial No. 28,849**
**4 Claims. (Cl. 123—53)**



3. An internal combustion engine comprising two parallel crank-shafts geared together for rotation in opposite directions at equal angular velocities, four cylinders with their axes in parallel relation, said cylinders being arranged in pairs on opposite sides of the common plane of the axes of said crank-shafts, pistons in said cylinders, connecting rods operatively connecting the pistons of two of said cylinders with the same crank on one of said crank-shafts, connecting rods operatively connecting the pistons of the

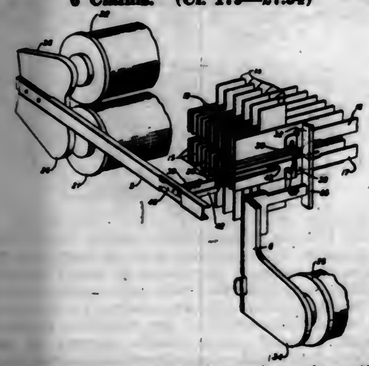
other two cylinders with the same crank on the other crank-shaft, counterweights on each of said crank-shafts for balancing said cranks and the masses attached thereto, the relation of said cranks being such that all of said pistons move, at all times, in unison and in the same direction, and means for controlling the motive fluid supply and exhaust for the different cylinders.

2,117,701
TAKE-UP DEVICE
Clarence M. Burnett, St. Paul, Minn., assignor to Lewis Bolt & Nut Company, Minneapolis, Minn., a corporation of Minnesota
Application February 1, 1936, Serial No. 61,068
1 Claim. (Cl. 267—72)



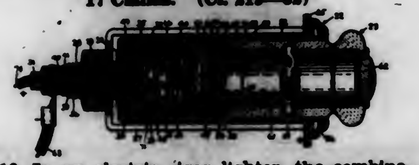
In a device of the class described, a pair of rods each provided with an offset head, said heads having guide openings therein adapted to receive said rods, thereby to operatively connect them together in closely spaced parallel relation and whereby the rods are adapted for relative sliding movement, strengthening ribs integrally formed with the bolt heads and their respective bodies and having relatively large portions secured to the bolt head and tapering downwardly therefrom along the bolt body, the portions of said ribs adjacent the bolt heads being disposed in tangential relation to the peripheries of the bolt bodies and extending outwardly in opposite directions and having portions substantially intersecting the axis of the bolt heads, thereby to provide maximum strength between the bolt heads and bodies, and prevent flexing of the bolt heads when the device is subjected to a shock or abnormal load, a suitable compression spring coiled about the intermediate portions of said rods and having its ends seated against said heads, and means for attaching cables to the ends of said rods.

2,117,702
SWITCHING MECHANISM
John A. Burwell, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1936, Serial No. 104,203
6 Claims. (Cl. 179—27.54)



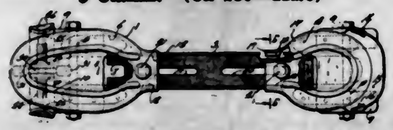
1. A selecting means for automatic switches comprising a selecting finger having a comparatively stiff straight portion and a helically coiled portion, a support for said finger at the outer end of the coil portion and a comparatively inflexible damping arm secured at one end to said support and having an angular projection at the other end normally engaging the straight portion of the selecting finger to dampen the natural vibratory tendency of said finger when actuated.

2,117,703
CIGAR LIGHTER
Joseph H. Cohen, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application July 23, 1932, Serial No. 624,193
Renewed August 5, 1937
17 Claims. (Cl. 219—32)



10. In an electric cigar lighter, the combination of a base member; a unit removably supported by said base member; a heating coil on said unit; means in the base member for closing a circuit to energize the heating unit; means normally urging said means into open-circuit position; a thermostatic catch for holding the circuit closed and adapted to release the first-named means upon the heating element attaining its desired heat; and means operated in response to the movement of the thermostatic catch to release position for producing an audible signal.

2,117,704
ROLLER SKATE
John S. Coldwell and Herbert L. Zimmerman, Milwaukee, Wis., assignors, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application November 2, 1933, Serial No. 697,096
5 Claims. (Cl. 280—11.26)



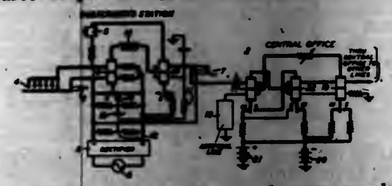
1. A skate comprising toe and heel plates having depending marginal flanges, said flanges at the adjacent ends of the plates having inturned extensions providing guide sockets, a connecting channel slidably interfitted with said guide sockets and releasable fastening devices for securing said channel to said plates in its various adjusted positions with respect thereto in combination with truck hangers carried by the toe and heel plates and having openings extending between their side members through which the ends of the connecting channel may slide, the forward end of the connecting channel being notched so as to adapt it to straddle the center post of a toe clamp in the shortened adjustment of the skate.

2,117,705
TELETYPEWRITER SYSTEM
Walter W. Cramer, Rutherford, and George C. Cummings, Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1936, Serial No. 104,184
7 Claims. (Cl. 178—2)

1. A teletypewriter system having in combination a telegraph line, a subscriber's teletypewriter

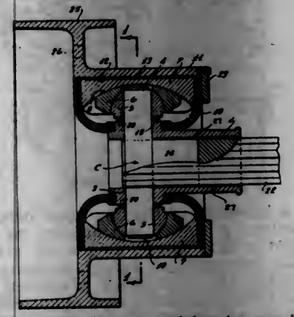


station connected thereto, said subscriber's teletypewriter station having a receiving loop with a receiving magnet connected therein, a sending loop with a sending relay connected therein, a source of power supply, and means for simul-



taneously applying the source of power supply to both a winding of the receiving magnet and a winding of the sending relay, said means including an operative connection between the source of power supply and the receiving magnet and the sending relay.

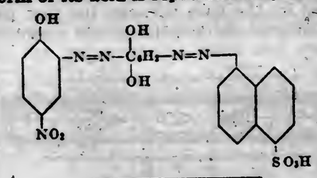
2,117,706
TWO-BEARING UNIVERSAL JOINT
Charles D. Cutting, Detroit, Mich., assignor to The Cutting Sales & Engineering Corporation, a corporation of Michigan
Application December 14, 1936, Serial No. 115,680
16 Claims. (Cl. 64—7)



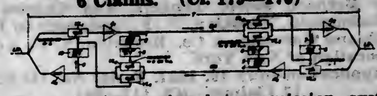
2. A universal joint comprising two main members, two trunnions carried by one of said members, and a bearing assembly between each of said trunnions and the other of said members comprising two bearing members one of which encircles said pin and has sliding engagement with the other of said bearing members, the contact surfaces of said members which provide for sliding contact being formed on an arc having its center at the center of the member which carries said trunnions, and a deformed metallic shim between the main member which carries said trunnions and said bushing assembly urging the parts of said assembly into pressure contact with each other and in firm assembly with respect to the other of said main members.

2,117,707
AZO DYE
Herbert W. Daudt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 22, 1937, Serial No. 121,821
4 Claims. (Cl. 260—84)

1. The dye produced by coupling resorcin with diazotized 4-nitro-2-amino-phenol and diazotized 1-naphthylamine-5-sulfonic acid and which in the form of its acid is represented by the formula

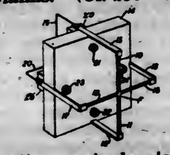


2,117,708
CIRCUIT FOR CONTROLLING SIGNAL TRANSMISSION IN TWO-WAY SIGNALING SYSTEMS
Kingsbury H. Davis, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 23, 1936, Serial No. 86,758
6 Claims. (Cl. 179—170)



1. In a two-way signal transmission system comprising at each terminal an incoming and an outgoing one-way path, an echo suppressor unit at each terminal of said system comprising one switching circuit connected to the outgoing path and responsive to outgoing signals therein to disable the incoming path, and a second switching circuit connected to said incoming path and responsive to incoming signals to disable said outgoing path, said one switching circuit having a delay in operation in response to impressed signals substantially equal to the one-way transmission time between terminals of the system and substantially no hangover in operation with cessation in the controlling signals, and said second switching circuit being comparatively quick operating and having a small hangover in operation.

2,117,709
ELECTRON DISCHARGE DEVICE
Clinton J. Davisson, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1936, Serial No. 118,278
8 Claims. (Cl. 250—27.5)



5. In combination, a single piece cross-shaped electron emitting means, and means for electrically connecting the four corners of said cross so that the electric and magnetic fields due to currents flowing through said electron emitting means and the potential differences across opposite points of said cross are substantially zero at the center of said electron emitting means.

2,117,710
SIGN
George D. Duntze, St. Louis, Mo., assignor of one-half to Herman C. Stoffregen, St. Louis, Mo.
Application May 7, 1936, Serial No. 78,384
15 Claims. (Cl. 40—130)

1. A sign comprising a base, a pair of duplicate frame members supported thereby in spaced re-

lation, a second pair of duplicate frame members supported by the base between the first pair of frame members, advertising means supported by



each of one of said pair of frame members, and a reflector supported by the other pair of frame members between the advertising means to provide a two-way display.

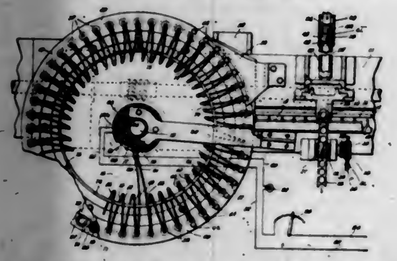
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2,117,711

**CROWN CAP SPOTTING MACHINE**

Jay Bernard Eisen, Yonkers, and Charles H. Rasmussen, Brooklyn, N. Y., assignors to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York

Application May 10, 1937, Serial No. 141,872
17 Claims. (Cl. 113—80)



1. A crown cap spotting machine embodying therein a rotatably mounted collecting head or drum having a plurality of peripheral or edge recesses adapted to receive a crown, a spring pressed plunger in vertical alinement with each recess, means for successively raising and lowering said plungers, an electrical resistance heating element in each plunger, means whereby crowns are fed toward and delivered to said drum, means for rotating said collecting head or drum and means adjacent said drum for applying center spots to the cushion disc of a crown including therein an intermittently operative strip feeding mechanism, a die positioned above the path of movement of the crowns, an intermittently operative plunger die co-operating therewith, a support for a reel of strip material having on one surface thereof an adhesive coating, and means located between said reel support and said die for applying moisture to said coating.

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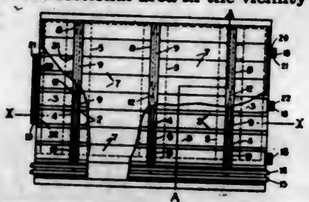
2,117,712

**HEATING BUILDING**

Luke Percy Evans, Swanwick, near Alfreton, England

Application April 10, 1935, Serial No. 15,571
In Great Britain April 18, 1934
3 Claims. (Cl. 237—69)

1. A floor having in association heating means and comprising a plurality of supporting members for said floor defining a plurality of passages, at least one heating unit arranged transversely with respect to said supporting members and adapted to cause hot air to traverse said passages longitudinally thereof, said passages having a greater cross sectional area in the vicinity of said



heating unit and a less cross sectional area at a point remote from said heating unit.

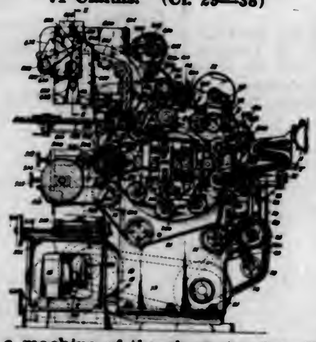
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2,117,713

**COLLAPSIBLE TUBE FINISHING MACHINE**

John H. Fridén, Maplewood, N. J., assignor to The Sun Tube Corporation, Hillside, N. J., a Corporation of New Jersey

Application December 31, 1934, Serial No. 759,910
71 Claims. (Cl. 29—38)



1. In a machine of the character described, in combination, a turret, a plurality of spindles journalled in said turret, means for giving said turret an intermittent rotary motion whereby said spindles are successively presented at a series of operating stations, and means effective as the spindles are brought to the various operating stations for rotating said spindles at different speeds in the same direction at different stations.

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2,117,714

**ADJUSTABLE CURTAIN HOLDER**

Herbert T. Funk, Pittsburgh, Pa.

Application March 12, 1936, Serial No. 68,396
1 Claim. (Cl. 248—274)



A curtain holder comprising the combination



of a sheet metal tubular upright member rectangularly-shaped in transverse cross section and including a pair of forwardly disposed side walls and a pair of inturned front flanges, the free edges of said pair of front flanges being spaced from each other to provide a longitudinally disposed slot therebetween, each of said front flanges being provided with a plurality of spaced angularly disposed slots declining from the horizontal and open into said longitudinally disposed slot, a connecting element including a head engaging in said member and being adjustable to extend same through and engage in any of said angularly disposed slots, the end portions of respective side walls being turned inwardly toward each other to close the ends of said member for preventing the removal of said connecting element from the latter.

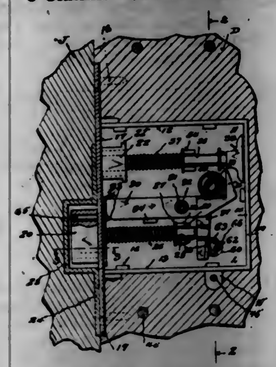
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2,117,715

**LOCK AND LATCH**

Hiram J. Godfried, Milwaukee, Wis.

Application June 17, 1936, Serial No. 85,744
3 Claims. (Cl. 70—149)



1. In a door fastener, a normally spring-projected latch carried by the door, a tumbler, a pin rockably supporting the tumbler intermediate its ends, the forward end of the tumbler being normally disposed in the path of the head of the bolt to resist inward movement of said bolt, a cam face on the tumbler disposed in rear of the pivot, an operating bar slidably and rotatably carried by the door, a pull handle on one end of the bar, a cam head on the bar adapted to be moved into and out of engagement with the cam face of the tumbler, for rocking the tumbler on its pivot, a radially extending foot formed on the head, a push rod slidably carried by the door and disposed on the opposite face of the door from the pull handle, said foot being movable into and out of the path of the push rod whereby the bar can be operated from the push rod when the foot is in one of its positions, and a key-operated lock for actuating the tumbler when the foot is disposed out of the path of the push rod.

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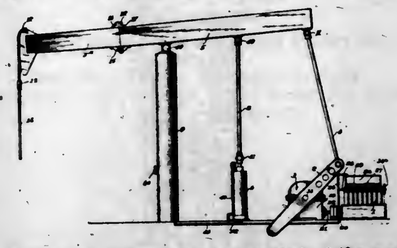
2,117,716

**PUMPING UNIT**

George B. Gordy, Jr., Los Angeles, Calif., assignor of one-half to Frances Jacobs Gordy, Los Angeles, Calif.

Application May 5, 1936, Serial No. 77,979
12 Claims. (Cl. 103—206)

1. An operating unit for use with a walking beam which is connected to and reciprocates a rod, said unit comprising a hollow Samson post for the walking beam, said post forming a reservoir, means for oscillating the walking beam, means for compressing a fluid and conducting



it to the reservoir during movement of the walking beam in one direction, and means for utilizing said compressed fluid for assisting in moving the walking beam in the opposite direction.

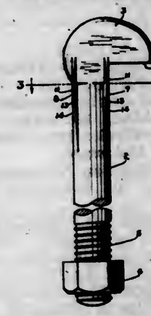
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2,117,717

**BOLT**

Robert E. Harmon, Chicago, Ill.

Application January 6, 1937, Serial No. 119,298
8 Claims. (Cl. 85—9)



1. A bolt of the class described, comprising a body having a head at one end and provided at its opposite end with means for securing it in position in the work, and oppositely disposed web-like fins made integral with said body and having outer cutting edges lying in a plane substantially tangent to the periphery of the bolt body.

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2,117,718

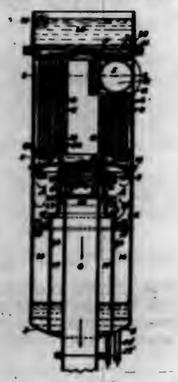
**TAR EXTRACTOR AND THE LIKE**

Charles Gilbert Hawley, Cleveland, Ohio, assignor to Centrifix Corporation, Cleveland, Ohio, a corporation of Ohio

Application May 18, 1935, Serial No. 22,252
5 Claims. (Cl. 183—79)

3. The herein described apparatus for extracting liquid from gas burdened with particles thereof, comprising a vertical casing, in combination with a plurality of concentric thin walled vertical film reception cylinders fixed within said casing and separated by spaces which are wider than the liquid films to be formed thereon, the bottoms of said cylinders being open within said casing, means causing the burdened gas to enter the tops of the spaces between said cylinders and to spirally descend within each said cylinder, said casing containing a gas and liquid reception space beneath said cylinders, means in a lower part of said reception space adapted to

gather and discharge liquid falling from the bottoms of said cylinders, and means for the sep-



arate discharge of the purified gas from said reception space.

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2,117,719
WITHDRAWN

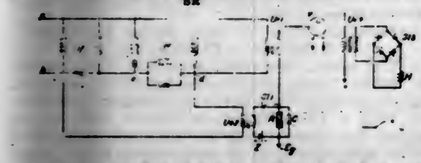
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2,117,720
KETONE-NITRILE CONDENSATION PRODUCTS
Heinrich Hopff and Gustav Steinbrunn, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 6, 1936, Serial No. 109,541. In Germany November 12, 1935
14 Claims. (Cl. 260—61)

1. A process for producing dyestuffs which comprises heating a compound containing a cyano group on each of 2 adjacent carbon atoms with a cyclic compound containing at least 1 ketonic group in the presence of a condensing agent of the Friedel-Crafts-type.

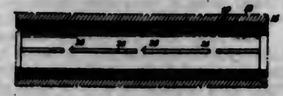
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2,117,721
TELEPHONE SYSTEM
Richard Hernickel, Finkenkrug, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a German company
Application August 21, 1936, Serial No. 97,128
In Germany September 6, 1935
12 Claims. (Cl. 179—84)



1. In a signaling system, a signal receiver comprising a relay, operatively responsive to voice modulated currents, and means responsive only to signaling current of certain frequencies within the voice range for preventing the operation of said relay, said means being operatively unaffected by voice modulated current of said certain frequencies.

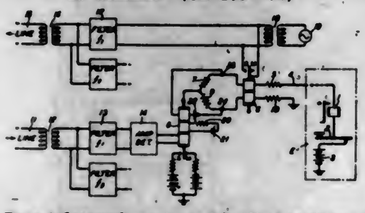
2,117,722
PRINTING CYLINDER
Owen R. Huggins, South Norwalk, Conn., assignor to Photo-Cylinder Corporation, a corporation of New York
Application October 19, 1935, Serial No. 45,707
14 Claims. (Cl. 101—401.1)



1. The method of salvaging a spent printing cylinder which comprises restoring the cylinder to substantially its original outside diameter, and then restoring the printing wall of the cylinder to substantially its original thickness by casting a lining therein.

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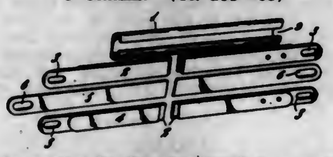
2,117,723
TELEGRAPH REPEATER
John L. Hyske, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 20, 1936, Serial No. 80,705
10 Claims. (Cl. 178—71)



1. In a telegraph system, two line sections and means for repeating signal impulses between said line sections including a sending device and a polarized receiving relay, said relay having an operating winding associated with one line section, a biasing winding and an auxiliary biasing winding, said auxiliary biasing winding being connected to said other line section through a unilateral polarity discriminative device.

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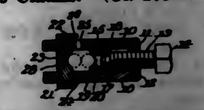
2,117,724
APPARATUS FOR BENDING METAL TUBES AND LIKE HOLLOW BODIES
Samuel Frank Ibbetson, Thaxted, and William Richard Green, Eltham, London, England, assignors to Kirsch Company, Sturgis, Mich., a corporation of Michigan
Application February 1, 1937, Serial No. 123,324
In Great Britain February 15, 1936
3 Claims. (Cl. 153—63)



2. Apparatus for forming bends in curtain rods having a C-shaped cross section comprising a plurality of core strips each having an aperture disposed to be opposite the slot of the rod when the core strips are inserted therein to permit the insertion of a member through the slot of the rod for moving said core strips either individually or as a unit within said rod.



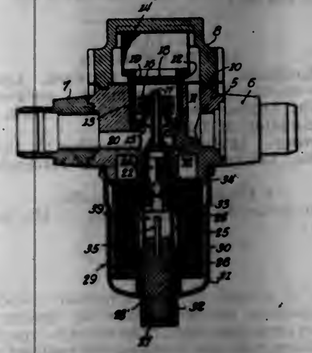
2,117,725
ELECTRIC WIRE OR CABLE CLAMP
Ewald E. Johnson, St. Charles, Ill., assignor to Reliable Electric Company, Chicago, Ill., a corporation of Illinois
Application December 23, 1935, Serial No. 55,763
5 Claims. (Cl. 173—263)



4. A connector of the character described, comprising a U-shaped body having aligned apertures in the legs thereof adapted to receive a cross bar, a cross bar, means adjustably mounted in the base of said body to press conductors between said legs against said bar, said cross bar being movable from a position where it extends through both said apertures to a position where it extends through only one aperture and the space between said legs is open to receive conductors, and cooperating means on said cross bar and one of said legs to prevent removal of the bar from said last named aperture.

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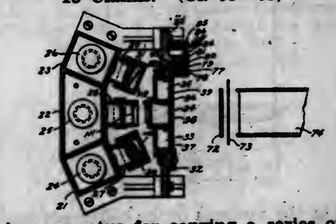
2,117,726
VALVE
Roy W. Johnson and Theodore A. Wetsel, Milwaukee, Wis., assignors to Automatic Products Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 7, 1936, Serial No. 67,621
8 Claims. (Cl. 137—139)



1. A device of the character described comprising a casing having an inlet and an outlet and also having a passageway therebetween, a valve seat in said passageway, a main valve disposed on the inlet side of said seat and seating downwardly thereagainst, a main valve stem extending downwardly from said main valve and having a passage extending therethrough from one side of the main valve to the other, said passage being enlarged below said main valve seat to provide a pilot valve chamber, a member connected to the lower end of said stem and providing a valve seat and also coacting with the lower portion of the stem to provide a piston, a pilot valve in said chamber and seating downwardly against said last-named valve seat, a cylinder in which said piston is operatively fitted, said cylinder having its upper end communicating with the outlet side of the main valve and being otherwise closed, an armature in said cylinder below the piston and having means for opening the pilot valve when the armature is raised and an electromagnetic winding surrounding the cylinder and effective when energized to raise the armature to cause opening of the pilot valve and of the main valve.

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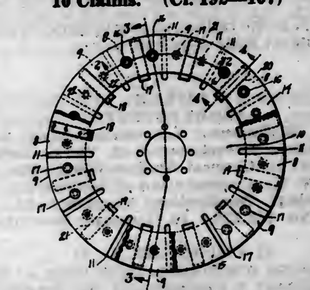
2,117,727
MEANS FOR CONTROLLING PRINTING LIGHTS
Charles F. Jones, Burlingame, Calif.
Application October 28, 1935, Serial No. 47,092
15 Claims. (Cl. 95—75)



1. An apparatus for copying a series of photographic images carried by a film strip which includes: a light source; means for moving said film strip and a strip of light sensitive film across the path of rays emanating from said light source; movable plate means disposed in said light path between said film strips and said light source carrying a plurality of filters; a second movable plate means in said light path carrying a plurality of filters; and means carried by said first plate means for causing movement of said second plate means in response to movement of said first plate means.

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2,117,728
DRIVEN MEMBER FOR FRICTION CLUTCHES
Morris Katcher, New York, N. Y.
Application December 24, 1937, Serial No. 181,479
10 Claims. (Cl. 192—107)



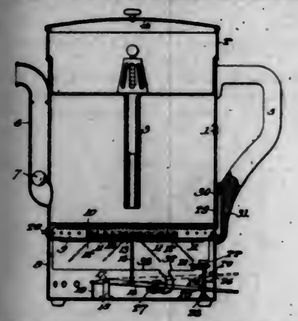
1. A clutch plate having a plurality of peripheral spokes, friction rings arranged on opposite sides of said spokes and connected to alternate spokes, and springs at the spokes behind the facings for normally holding back the spokes, against their resiliency, from the facings to which they are unattached.

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2,117,729
ELECTRIC COFFEE MAKER
Clyde D. Keaton, Long Island City, N. Y., assignor to Stanley S. Tumbridge, New York, N. Y.
Application January 29, 1937, Serial No. 122,945
18 Claims. (Cl. 219—44)

1. In an electric coffee maker, a casing having a heating chamber, a heating element there-

in, a ventilator for the heating chamber, a coffee-pot, manually operated means for closing the ventilator and also closing the circuit through the heating element, and automatic means con-



trolled by the contents of the coffee-pot for opening the circuit through the heating element and also for opening the ventilator to cool the heating element.

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2,117,730

**HIGH-MOLECULAR ORGANIC COMPOUNDS**

Karl Keeberle and Otto Schlichting, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 11, 1936, Serial No. 110,280. In Germany February 7, 1936

4 Claims. (Cl. 260—128)

1. A high-molecular compound of the general formula



in which X is the radical of an aliphatic hydrocarbon having at least 4 carbon atoms.

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2,117,731

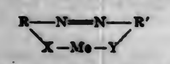
**AZODYESTUFFS**

Theodor Kellmann, Leverkusen, and Eugen Glietenberg, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 11, 1936, Serial No. 110,278. In Germany December 18, 1935

13 Claims. (Cl. 8—6)

11. Printing preparations containing as essential ingredients a compound of the general formula:



wherein R stands for an aromatic radical, R' stands for a radical of the benzene series capable of coupling twice which is substituted in a position meta to Y by a member of the group consisting of the amino and hydroxy groups, however, by the hydroxy group only when Y stands for NH, R and R' being free from water-solubilising groups, X stands for a member selected from the group consisting of an oxygen atom and the group COO, Y stands for a member selected from the group consisting of an oxygen atom and the group NH, Me stands for a metallic atom capable of yielding azo dyestuff complex compounds, and wherein the bridge X—Me—Y is attached to the nuclei in positions ortho to the azo bridge, and a compound selected from the group consisting of nitrosamines, diazoamino- and diazoimino compounds derived from aromatic amines generally used in the manufacture of ice colors.

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2,117,732

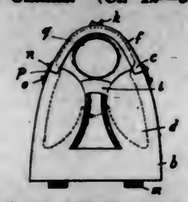
**METHOD OF AND DEVICE FOR SHAPING SHOE UPPERS**

Walter Körting, Landsberg (Warthe) Germany, assignor to Horst Gemeinert, Seifersdorf, near Sorau, Germany

Application July 23, 1937, Serial No. 155,280

In Germany June 15, 1936

3 Claims. (Cl. 12—51)



1. A method of shaping shoe uppers which consists in cutting a blank having an excess of material at the toe portion but otherwise of the exact size of the upper, clamping the sides of the exactly dimensioned portion firmly to prevent deformation thereof, clamping the margin of the toe portion yieldingly, pressing said toe portion into shape, and trimming the toe portion to size after the shaping.

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2,117,733

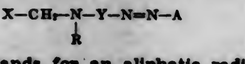
**AZO DYESTUFFS**

Hans Krzikalla and Paul Garbech, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 13, 1936, Serial No. 110,633. In Germany November 23, 1935

8 Claims. (Cl. 260—96)

1. Azo dyestuffs corresponding to the general formula



wherein R stands for an aliphatic radicle attached to the nitrogen atom by means of a —$CH_2$— group and containing at least one oxygen atom, wherein X and Y stand for radicles of the benzene series, and wherein A stands for a radicle of the benzene series, the dyestuffs being free from sulphonic and carboxylic acid groups.

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2,117,734

**EXPOSURE METER**

Ludwig Leitz, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany

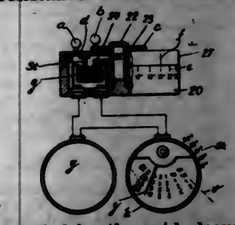
Application December 7, 1935, Serial No. 53,313

3 Claims. (Cl. 88—23)

1. An exposure meter comprising in combination a casing, a fixed post centrally thereof and bearing a visible fixed index mark, a sleeve rotatably mounted on said post and bearing a visible diaphragm opening scale, means for rotating said sleeve to set the diaphragm opening scale with reference to the said fixed index mark to indicate diaphragm openings, a Scheiner scale on the outside of said casing, a member adjustably supported on the casing and bearing a mark for indicating the Scheiner index on the Scheiner scale, a disk mounted upon said casing to rotate



around the said rotatable sleeve, said disk bearing a visible time exposure scale, means for rotating the disk to indicate time exposures with reference to the said Scheiner index mark, an annular resistance within the casing, contact



members carried by the said sleeve and disk in contacting engagement with the resistance to vary the same in proportion to the extent of the rotative movements of the said sleeve and disk, a photoelectric cell and a galvanometer connected in series with the said resistance.

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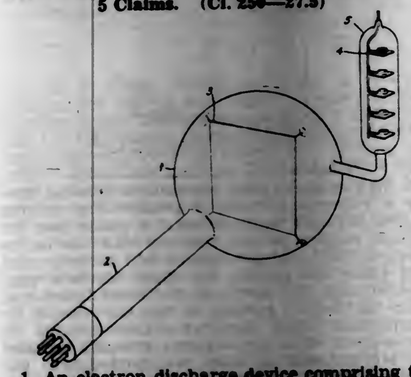
2,117,735

**GETTER**

Paul S. Lester, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application October 1, 1936, Serial No. 103,514

5 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising the combination of a sealed evacuated envelope, a thermionic cathode, an anode, and a charge in said envelope comprising a mixture of a compound of an alkali metal, a first reducing agent comprising about 73% of the mixture capable of liberating most of the alkali metal, a second reducing agent comprising about 10% of the mixture having a reaction temperature higher than said first reducing agent for completing the reduction of the compound.

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2,117,736

**GEM SETTING**

Julius C. Link, Brooklyn, N. Y.

Application October 25, 1937, Serial No. 170,777

8 Claims. (Cl. 63—26)



5. In a gem setting, a base having inclined upper surfaces and provided with a downwardly extending conical recess having an aperture at the center thereof, the said inclined surfaces and the conical recess having a common upper edge so that when a stone is positioned in the recess there will be no air spaces between the inclined reflecting surfaces and the stone, and prongs projecting upwardly from the base to engage the girdle of a stone.

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2,117,737

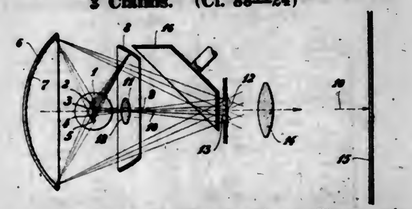
**ILLUMINATING MEANS FOR PROJECTION APPARATUS**

Erwin May, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany

Application June 2, 1936, Serial No. 83,007

In Germany July 15, 1935

3 Claims. (Cl. 88—24)



1. An apparatus for illuminating a film or picture to be projected upon a screen comprising an incandescent lamp having a plurality of separated parallel filament threads in a single plane, a spherical reflector to one side of the lamp between the latter and the screen having its focus so related with respect to the plane of the filament and offset with respect to the optical axis of the apparatus that it forms offset images of the filament threads between the latter in the plane of the filament, a concave mirror on the opposite side of the lamp having a finely waved irregular reflecting surface for reflecting the illumination emanating from the filament and from the reflected offset images of the filament threads upon the film, the focus of the said reflecting mirror being so related with respect to the film that a diffused blended image of the filament and of the reflected images of the filament threads is formed in the plane of the film.

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2,117,738

**PACKING FOR PERISHABLE VICTUALS**

Otto Metzger, Nuremberg, Germany, assignor to Vereinigte Deutsche Metallwerke A.-G., Zweigniederlassung Suddeutsche Metallindustrie, Nuremberg, Germany

Application November 21, 1935, Serial No. 50,844

In Germany November 27, 1934

2 Claims. (Cl. 229—51)



1. A packing bag for the preservation and storage of perishable victuals in liquid and solid state comprising an integrally formed thin-walled metal container capable of resisting to sterilizing temperatures and pressures and having side walls of substantially cylindrical form prior to the filling and sealing thereof, a flat bottom wall integral with said side walls, a filling opening defined by the upper edge of said side walls, the upper terminal portions of said side walls being flattened out and pressed together in juxtaposed relation after the filling operation, a fold

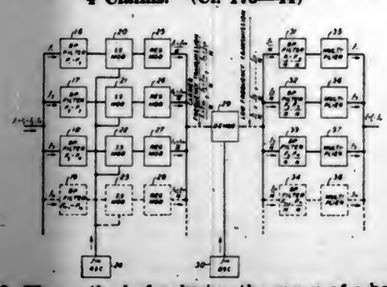
locking said flattened terminal portions and airtightly sealing said container, and a row of indentations in said terminal portions and in proximity of said fold for weakening said portions without perforating the same whereby tearing off of said fold and opening of said container are facilitated.

2,117,739

## SIGNALING SYSTEM

Ralph L. Miller, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 5, 1936, Serial No. 83,691
4 Claims. (Cl. 178—44)



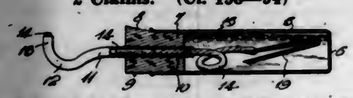
3. The method of reducing the range of a band of signaling frequencies which comprises selecting from said band a plurality of narrow subbands, deriving from the frequency in each subband having at any instant the greatest amplitude a submultiple of such frequency, modulating each subband with the submultiple frequency derived from said band, transmitting the products of said modulation over a communication channel, selecting at a receiving point the transmitted modulated products of each subband, multiplying the frequencies of each subband by a factor which is the reciprocal of said submultiple and supplying the products of said multiplication to a receiving device.

2,117,740

## LIQUID FUEL BURNER

Joseph Mohr, Richmond, Va.

Application August 5, 1936, Serial No. 94,458
2 Claims. (Cl. 158—94)



1. A liquid fuel burner comprising a horizontal fuel-containing tube having a permanent closure at one end, a plug fitting removably into the other end of said fuel-containing tube and having an enlarged outer end projecting beyond said other end of said fuel-containing tube, a wick tube carried by and projecting outwardly and upwardly from said plug, and a wick in said wick tube, said enlarged outer end of said plug having a flat lower side to prevent the fuel-containing tube from laterally tilting when laid upon a support.

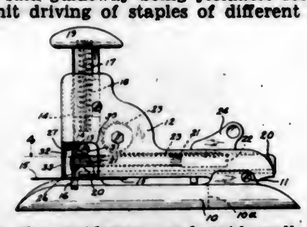
2,117,741

## STAPLE DRIVING MACHINE

Fridolin Polzer, South Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Connecticut

Application April 25, 1935, Serial No. 18,107
19 Claims. (Cl. 1—3)

1. In a staple driving machine, a movable plunger for driving the individual staples, a guideway for the plunger, a support and guide for the staples, means for feeding the staples along said guide to the guideway, the forward wall of said guideway being yieldable forwardly to permit driving of staples of different widths



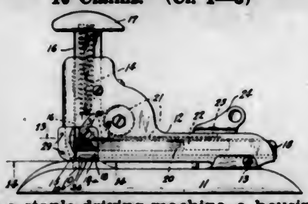
through the guideway, and said wall having recesses opposite the prongs of the staples to receive prongs inclined forwardly and inclined at their lower ends to guide the prongs to a vertical position in the guideway as the staple is driven downwardly therein.

2,117,742

## STAPLE DRIVING MACHINE

Fridolin Polzer, South Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Connecticut

Application April 27, 1935, Serial No. 18,614
10 Claims. (Cl. 1—3)



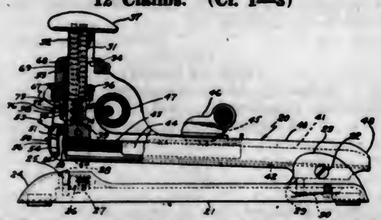
1. In a staple driving machine, a housing having a raceway therein, a plunger for driving staples through said raceway, a guide bar for guiding staples to said raceway and having its forward end forming a side of said raceway, and said guide bar having its upper forward edge beveled with the width of the bevel increasing from the center portion of the bar toward its longitudinal edges whereby staples coming to the raceway with their crowns laterally inclined are straightened as they are carried into the raceway by the plunger.

2,117,743

## STAPLE DRIVING MACHINE

Fridolin Polzer, South Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Connecticut

Application May 18, 1935, Serial No. 22,130
12 Claims. (Cl. 1—3)



1. In a staple driving machine including a housing having a raceway, a plunger reciprocable in the raceway to drive individual staples and



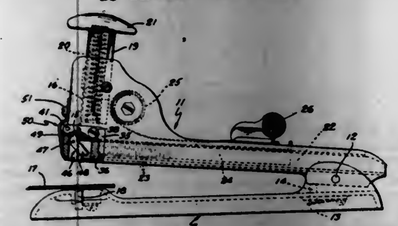
movable between extreme advanced and retracted positions, a shoulder movable with the plunger, means for feeding staples to the raceway and rendered ineffective by the plunger in an intermediate position, means mounted on the housing adapted to engage said shoulder for locking the plunger in said intermediate position, a control member carried by the plunger and movable relative to said shoulder to a position to render the locking means ineffective, and a lost motion connection between the plunger and the control member for shifting the latter member by movements of the plunger.

2,117,744

## STAPLE DRIVING MACHINE

Fridolin Polzer, South Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Connecticut

Application June 8, 1935, Serial No. 25,544
13 Claims. (Cl. 1—3)



1. In a staple driving machine, a movable plunger for driving individual U-shaped staples, a guideway for the plunger, a support and guide bar for the staples beveled at its upper forward edge, spring operated means for feeding the staples along said guide to the guideway, a movable block comprising a part of the front wall of the machine and forming the front wall of said guideway, a pivot mounting said block and located above the staple guide bar, said block being of sufficient width to guide the prongs of the staple being driven, and spring means maintaining said block in normal position and arranged to permit it to yield about said pivot under action of the staples when driven downwardly by the plunger to permit staples of different widths to be driven through the guideway, said latter spring means being of greater stiffness than the first spring means so as not to yield under pressure from the first means.

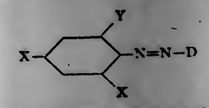
2,117,745

## AZO DYES

Gustav Reddelien, Leipzig, and Georg Matthaeus, Wolfen, Kreis Bitterfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 28, 1937, Serial No. 156,142. In Germany August 26, 1936
8 Claims. (Cl. 260—97)

1. The dyes which correspond to the general formula



wherein X is a negative substituent of the group consisting of $—NO_2$, halogen, $—SO_3H$, Y is a positive substituent of the group consisting of alkyl, O—alkyl, alkyl—$SO_3H$ and D is the radicle of a diphenylamine substituted in at least one ortho-position to the —NH— group by a substituent lending solubility of the group consisting of $—SO_3H$ and —COOH, said dyes dyeing leather valuable brown tints of very good fastness to light.

2,117,746

## CHUCK

Roy M. Seawright (Robert Morton Felix Seawright), Langlaagte, Johannesburg, South Africa, assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application June 25, 1936, Serial No. 87,157
6 Claims. (Cl. 279—58)



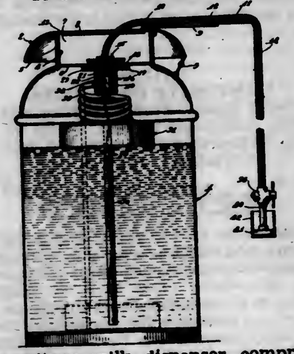
1. A chuck, comprising a casing having a bore to receive an instrument, gripping means freely movable longitudinally in the bore, surfaces on the gripping means and in the bore adapted to frictionally engage each other, and means on the casing extending longitudinally into the bore separate from the gripping means and the casing acting to push and move the gripping means to engage the instrument and said surfaces into frictional engagement upon relative rotary movement between the casing and gripping means.

2,117,747

## MILK-DISPENSING DEVICE

Herman Smith and David J. Cohn, Chicago, Ill.

Application June 26, 1936, Serial No. 87,406
15 Claims. (Cl. 221—67)



1. A sanitary milk dispenser comprising an open top container, a cover for said container, a

siphon supported by and removable with said cover, and arranged to dispense the contents of said container in desired amounts, and means associated with said siphon to cause said siphon simultaneously to withdraw a predetermined ratio of milk and cream from said container.

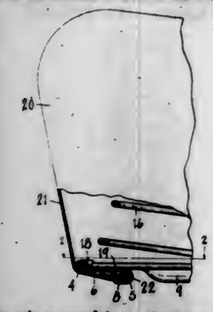
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2,117,748

**SPRING CUSHION STRUCTURE**

Theodore D. Stewart, Detroit, Mich., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich.

Application September 18, 1936, Serial No. 101,379
15 Claims. (Cl. 155—180)



1. In a spring cushion structure, the combination of a border frame comprising fixedly connected side and end members, said frame members being of elongated S-section disposed horizontally and providing relatively wide flat web portions, an upper inwardly facing spring supporting channel at the outer edge of the web and a lower outwardly facing upholstery securing channel at the inner edge of the web, the webs having downwardly and inwardly directed tongues struck therefrom and disposed with their tips in opposed relation to the flange of the upholstery securing channel, cross bars extending between said side members arranged upon and welded to the webs thereof, a spring supporting wire grid disposed upon said cross member with the ends of the grid wires lapped upon and welded to said webs, a plurality of coiled body springs on said grid, the bottom coils of certain of said body springs being clamped within the inwardly facing spring supporting channel, and an upholstery covering for said springs having a depending skirt provided with a beaded edge disposed within said upholstery securing channel with said tongues in retaining engagement therewith.

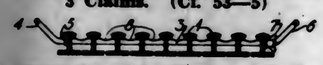
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2,117,749

**COMPOSITE GRID GRILL**

Henri Studer, Zurich, Switzerland

Application September 14, 1937, Serial No. 163,818
In Switzerland September 19, 1936
3 Claims. (Cl. 53—5)



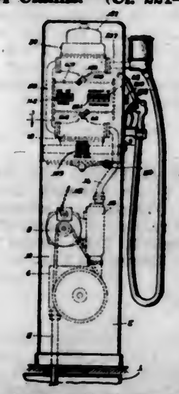
1. A composite grid grill, especially for use in connection with electric cooking, comprising a plurality of longitudinal cast-iron I-shaped grid-elements, detachable cross bars for holding together the said elements, oval apertures in the web of the said elements for permitting the latter to drop and rise relative to one another, and means for collecting the drippings off the food being grilled.

2,117,750

**LIQUID HANDLING MECHANISM**

Ernest J. Svenson, Rockford, Ill., assignor, by mesne assignments, to Petrolator Corporation, a corporation of Illinois

Application December 5, 1936, Serial No. 114,329
34 Claims. (Cl. 221—95)



1. A meter having fluid displacement means, means for conducting fluid under pressure through said meter to actuate said fluid displacement means in proportion to the volume of fluid flowing through said meter, adjustable means including means calibrated to correspond with variations in price per unit of fluid volume being metered, and means actuated by a predetermined adjustment of said calibrated means for correspondingly adjusting the displacement of said fluid displacement means, said adjustable means including provisions for progressively increasing the adjustment of the displacement means with respect to the spacing of the calibrations of the calibrated means throughout the range of adjustment.

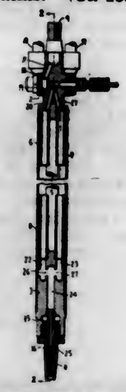
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2,117,751

**CUTTING TORCH**

George L. Walker, Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application January 21, 1936, Serial No. 60,057
2 Claims. (Cl. 158—27.4)



1. A cutting torch having therein a block, and two tubes to conduct separate cutting oxygen streams thereto, said block having two dead-end passages in continuation with said tubes, a central longitudinal passage, closed at its rear end, to conduct the cutting oxygen onward toward a jet orifice, and cross ports placing said two dead-end passages in communication with said central longitudinal passage.



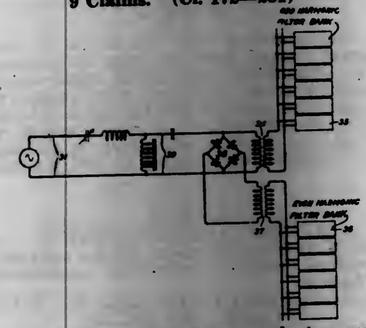
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2,117,752

**HARMONIC PRODUCER**

Leishman R. Wrathall, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 5, 1936, Serial No. 77,989
9 Claims. (Cl. 172—281)



9. A harmonic frequency producing system comprising a saturable core inductance, a circuit for applying base frequency current thereto of sufficient amplitude to saturate said core, an output circuit connected across a winding on said core and including a condenser and a highly resistive load in series, the time constant of said output circuit being proportioned to permit said condenser to become substantially fully charged during the portion of the cycle throughout which said inductance has its maximum value and to discharge through said load when said inductance has substantially its minimum value, the resistance of said output circuit being so high as to render the output circuit highly damped.

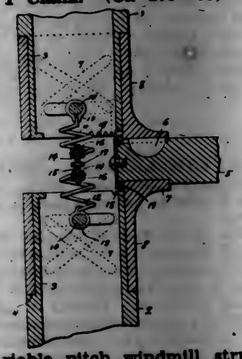
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2,117,753

**WINDMILL**

Charles Raymond Wrobbel, Kingfisher, Okla.

Application April 30, 1937, Serial No. 140,013
1 Claim. (Cl. 170—68)



In a variable pitch windmill structure, the combination with a rotatable shaft, of a hub fixed on said shaft and comprising a pair of sleeves disposed in co-axial spaced apart relation radially of said shaft on opposite sides thereof, respectively, a pair of blades rotatably mounted at their inner ends in said sleeves, respectively, for varying the pitch thereof and slidable in their respective sleeves for projection therefrom under the action of centrifugal force, co-acting camming devices on each sleeve and the inner end of the related blade for imparting rotary movement to said blade as an incident to projection thereof, and means for tensioning said blades against projection comprising a pair of tensioned springs disposed co-axially of each other and in the axis of said sleeves, the outer ends of said springs being connected to the inner ends of said blades, respectively, said means comprising devices connecting the inner ends of said springs together for relative rotation thereof under rotation of said blades and including a manipulative element for selectively varying the tension exerted by said springs, disposed in the space between said sleeves for access thereto.

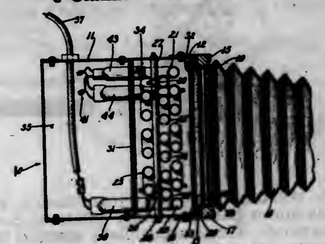
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2,117,754

**PHOTOGRAPHIC ENLARGER LAMPHOUSE**

William F. Gordon Bell, Norwalk, Conn., assignor to The McKibbin Neon Incorporated, Norwalk, Conn., a corporation of Connecticut

Application February 19, 1937, Serial No. 126,594
6 Claims. (Cl. 88—24)



1. A lamphouse adapted to serve as the light source for an enlarging camera, comprising in combination a casing having a forward end with a light opening therein; an electric discharge tube containing mercury and a rare gas such as argon for producing a light predominately in the blue portion of the spectrum; and an electric discharge tube containing neon for producing a light predominately in the red portion of the spectrum to make it possible to focus the image produced by said enlarging camera and to indicate when said lamphouse is ready for printing use, said red light producing tube being so proportioned relative to said blue light producing tube that when the latter reaches a point of maximum printing light emitting intensity the blue light substantially obscures the red light from the lamphouse and the combined light from the lamphouse ceases to change, and said red and blue light producing tubes being associated to be energized concurrently.

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2,117,755

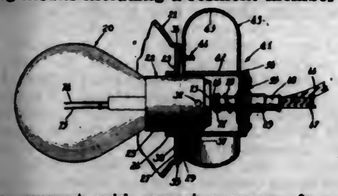
**ELECTRIC LIGHTING DEVICE**

Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana

Application March 2, 1936, Serial No. 66,652
5 Claims. (Cl. 240—41)

1. In combination: an incandescent electric lamp having a base; a reflector; said base having a lateral extension abutting said reflector at

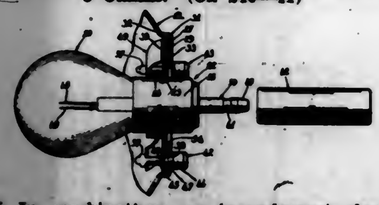
the front thereof; means for engaging said base; biasing means, unitary with said engaging means, for biasing said engaging means to cause said lateral extension to abut said reflector; said biasing means including a resilient member serv-



ing to support said engaging means from said reflector; and said reflector and said resilient member being so constructed and arranged that they make bayonet connection with each other seated by rotation of said biasing means about its axis relative to said reflector.

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2,117,756
ELECTRIC LIGHTING DEVICE
Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana
Application March 2, 1936, Serial No. 66,653
5 Claims. (Cl. 240—41)

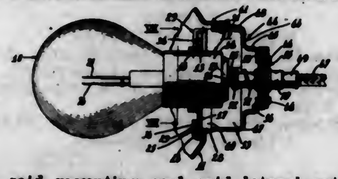


5. In combination: an incandescent electric lamp having a base including a lateral positioning extension; a mounting plate abutted by said positioning extension at one side thereof; means for connecting said lamp and said mounting plate, said connecting means including a portion of said mounting plate provided with a plurality of circumferentially spaced slots, and a plurality of circumferentially spaced projections carried by said base and extending slidably through said positioning extension and constructed and arranged for cooperation with said respective slots; said projections having lateral extensions at their ends cooperable with said respective slots and abutting said mounting plate at the other side thereof; and resilient means, carried by said base, constructed and arranged to so bias said projections that said lateral extensions on said projections are pressed against said other side of said mounting plate.

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2,117,757
ELECTRIC LIGHTING DEVICE
Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana
Application March 28, 1936, Serial No. 71,439
2 Claims. (Cl. 240—41)

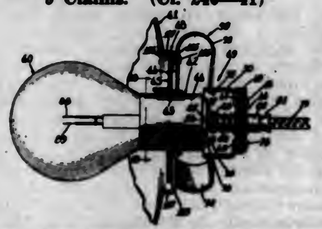
1. In combination: a mounting having an aperture and having a plurality of circumferentially spaced recesses extending outwardly from said aperture; an incandescent electric lamp provided with a base; said base being disposed in said aperture and having a lateral extension constructed and arranged to abut said mounting at one side thereof; said mounting having integral circumferentially spaced projections extending laterally from said mounting at said side thereof and disposed around said aperture at the ends of said recesses; pressing means constructed and arranged to be detachably supported by said mounting projections and so as to press said lateral extension into abutment with said mount-



ing; said mounting and said lateral extension including means separate from said pressing means, comprising cooperating parts on said mounting and said lateral extension respectively, so constructed and arranged that when said lamp and said mounting are in a predetermined relative rotative position said lamp is restrained against rotation with respect to said mounting.

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2,117,758
ELECTRIC LIGHTING DEVICE
Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana
Application April 4, 1936, Serial No. 72,775
9 Claims. (Cl. 240—41)



1. In combination: a mounting having an aperture; a plurality of projections extending radially inwardly from the margin of said aperture; an incandescent electric lamp having base-means provided with a lateral extension constructed and arranged to abut said projections, said lateral extension having a plurality of apertures; and holding means, having parts extending through said apertures in said lateral extension and engaging said lateral extension, said engaging parts being disposed radially inside of the locus of the radially inner margins of said projections, said holding means being constructed and arranged to press said lateral extension against said mounting.

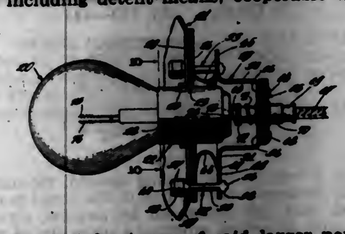
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2,117,759
ELECTRIC LIGHTING DEVICE
Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana
Application April 4, 1936, Serial No. 72,776
8 Claims. (Cl. 240—41)

1. In combination: an incandescent electric lamp having a base provided with a lateral extension; said extension having a plurality of circumferentially spaced bayonet apertures, said apertures including larger portions and smaller recess portions extending circumferentially into corresponding margins of said larger portions,



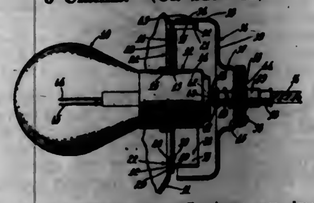
said recess portions having radially outer and inner margins of continuous contour form; a holding unit having headed connector portions having shanks disposed through the circumferential ends of said recess portions; said holding unit including detent means, cooperable with a



margin of at least one of said larger portions, so constructed and arranged that said lamp and said holding unit are releasably held against relative rotation; and a mounting, abutted by said lateral extension, having apertures constructed and arranged to make bayonet connection with said headed connector portions.

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2,117,760
ELECTRIC LIGHTING DEVICE
Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana
Application April 4, 1936, Serial No. 72,777
8 Claims. (Cl. 240—41)

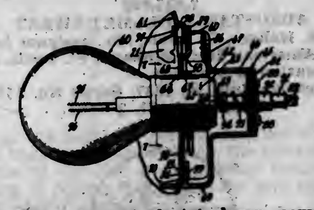


1. In combination: a reflector; an incandescent electric lamp having a base including a laterally extending positioning flange circular in outline, said flange being constructed and arranged to abut said reflector; said reflector having a front side presented toward the light producing source of said lamp, said flange being seated on the rear side of said reflector; said reflector having flange means extending rearwardly from said rear side of said reflector and disposed about said lamp flange; said flange means being so constructed and arranged that the inner periphery of said flange means defines a circle gaging the outer periphery of said lamp flange thereby to restrain lateral movement of said lamp flange when said lamp flange is so seated; means pressing said lamp flange into abutment with said rear side of said reflector; said pressing means including a portion complementary to said flange means; and said flange means and said portion comprising bayonet connection means for detachably connecting said portion and said flange means.

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2,117,761
ELECTRIC LIGHTING DEVICE
Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana
Application April 4, 1936, Serial No. 72,780
25 Claims. (Cl. 240—41)

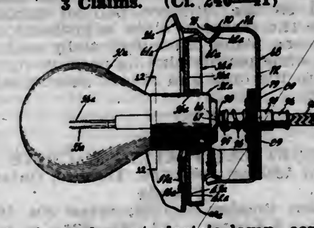
1. In combination: an incandescent electric lamp having a base; mounting means for said lamp; laterally extending positioning means on said base, constructed and arranged to abut said mounting; biasing means constructed and arranged to press said positioning means into abutment with said mounting; said positioning means and said biasing means being constructed integral with each other from a single sheet metal stamping.



3. An incandescent electric lamp, comprising: a base having a lateral extension for abutting a mounting, said lateral extension including two sets of circumferentially spaced radially extending projections, said sets being in different planes and having a predetermined angular relation with each other.

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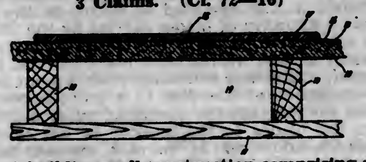
2,117,762
ELECTRIC LIGHTING DEVICE
Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana
Application April 4, 1936, Serial No. 72,781
3 Claims. (Cl. 240—41)



1. An incandescent electric lamp, comprising: a base; a lateral extension unitary with said base; said lateral extension being provided with a plurality of circumferentially spaced axially extending lugs and a plurality of circumferentially spaced projections extending axially in the same direction as said lugs but to a less extent; and flange means at the outer periphery of said lateral extension, said flange means extending in an axial direction opposite from said lugs and said projections.

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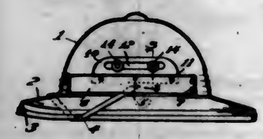
2,117,763
WALL
George H. Ellis, New Brighton, Minn., assignor to The Insulite Company, Minneapolis, Minn., a corporation of Minnesota
Application May 17, 1937, Serial No. 142,962
3 Claims. (Cl. 72—16)



1. A building wall construction comprising supporting members, and slabs of porous plaster receiving material secured thereto with their rear

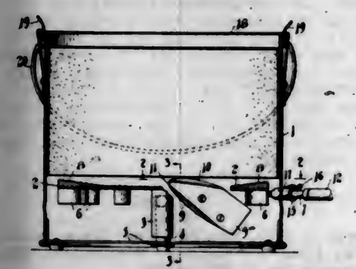
faces coated with vapor-proofing material and facing hollow wall spaces between the supporting members, the plaster receiving faces coated with water-proofing material, and joints of the base material locked against opening during plastering.

2,117,764
**ADJUSTABLE HELMET SWEAT**
Glenn E. Holmes, St. Louis, Mo., assignor to Mexican American Hat Company, St. Louis, Mo., a corporation of Missouri
Application July 16, 1937, Serial No. 153,927
1 Claim. (Cl. 2—183)



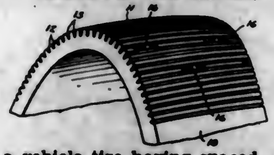
A helmet or the like having, in combination, a pair of inwardly-projecting supporting means on the sides of the crown, and an adjustable sweat comprising a band loop spaced from the crown, having adjusting means at its adjacent ends, and characterized by a pair of longitudinal holder lugs projecting upward from the band on opposite sides of the crown, each having a longitudinal slot with straight edges parallel to each other and to the band, and said lugs slidingly mounted on the adjacent pair of supporting means in the crown to allow adjustment of the band in one plane circumferentially and horizontally while maintaining its position vertically relative to the brim and crown, substantially as described.

2,117,765
**VEGETABLE PEELING MACHINE**
Howard Addison Johnston, Toronto, Ontario, Canada
Application October 9, 1936, Serial No. 104,796
9 Claims. (Cl. 146—49)



1. A vegetable peeling machine including a cylinder; a disk mounted to rotate in the cylinder; a plurality of blades carried by the underside of the disk; a nozzle for directing a stream of water against the blades to cause the disk to be rotated; and means extending from a point below the underside of the disk to a point above the upper side thereof for directing water deflected from the blades to the interior of the cylinder above the upper side of the disk, the said means including provisions located adjacent the upper side of the disk for limiting the flow of such water in an upward direction relative to the disk.

2,117,766
**SKID PREVENTING DEVICE**
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 24, 1936, Serial No. 76,144
12 Claims. (Cl. 152—14)



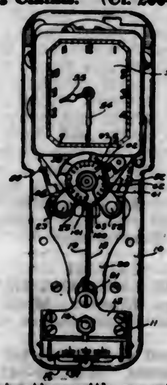
1. In a vehicle tire having spaced, circumferentially arranged narrow ribs in the tread portion thereof, said ribs separated by narrow, circumferentially arranged grooves, a plurality of skid-preventing elements independently secured to the tread portion in spaced relation, each of said elements having a road-engaging portion overlying a part of the tread of the tire and an anchoring portion disposed in one of the grooves.

2,117,767
**ELECTROCUTING TRAP**
Edward A. Lindsley, Sycamore, Ill., assignor to National Electric Screen Co., Chicago, Ill., a corporation of Illinois
Application April 16, 1934, Serial No. 720,704
17 Claims. (Cl. 42—113)



1. In an electrocuting trap, the combination with a header of flat metal, a lug integral with the header and having opposed notches whereby a supporting sleeve is formed on the lug, of an electrocuting-bar mounted in the sleeve, and a soldered joint between said bar and sleeve.

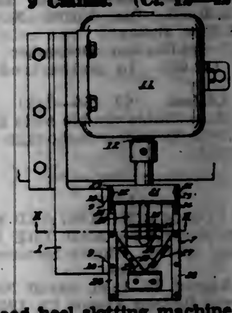
2,117,768
**CLOCK THERMOSTAT**
Andrew G. McNicoll, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 1, 1935, Serial No. 14,001
13 Claims. (Cl. 200—139)



1. In combination with an adjustable thermostat, time means for adjusting the setting of the thermostat at predetermined times including cam means for lowering the setting of the thermostat in one step and cam means for raising the setting of the thermostat in a plurality of steps, and means for manually adjusting the thermostat at will at all times.



2,117,769
**WOOD HEEL SLOTTING MACHINE**
Albert C. Regge, Columbus, Ohio, assignor to Perma Corporation, Chicago, Ill., a corporation of Illinois
Application May 22, 1936, Serial No. 81,479
9 Claims. (Cl. 12—42)



1. A wood heel slotting machine comprising a frame, a drive shaft supported for rotation in connection with said frame and occupying an unchanging position with respect thereto, spaced cutters mounted for rotation in connection with said shaft, a heel supporting table, longitudinally extending guides formed with said frame on which said table is mounted for sliding movement at right angles to the axis of rotation of said cutters, spring means normally serving to maintain said table in spaced relation from said cutters, an adjustable gage bar carried by said table, and movable clamping means for maintaining the breast edge of a wood heel supported on said table in contact with said gage bar.

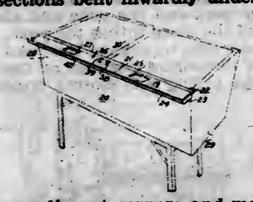
2,117,770
**CONTACT GLASS CONSTRUCTION**
Dunn Hamilton Row, Indianapolis, Ind.
Application May 29, 1936, Serial No. 82,505
4 Claims. (Cl. 88—54)



1. A contact glass comprising a glass corneal lens substantially conforming in curvature to the cornea of the eyeball for positioning thereover, and a separately formed flexible scleral rim substantially conforming in its normal curvature to the sclera of the eyeball for mounting thereon, said lens and rim being secured to each other about their adjacent edges, the outer periphery of the rim terminating short of the "equator" of the eyeball and being slotted to provide relatively movable flexing portions for conforming to variations in curvature of the eyeball.

2,117,771
**LAUNDRY TRAY SHELF**
Casimir Sopinski and Frank Vykusky, Cleveland, Ohio
Application July 27, 1937, Serial No. 155,901
2 Claims. (Cl. 211—96)

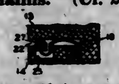
1. A laundry tray shelf of sheet metal, comprising, a rectangular horizontal platform, and vertical front, back and side sections extending downwardly from the said platform, portions of the side sections bent inwardly under the platform at two adjacent corners and made parallel to the front and back sections, the inwardly bent portions of the side sections being resilient and forming in combination with the said front section, a pair of clamps.



2,117,772
**SULPHURIC ACID ESTERS OF HALOGEN-AMINOANTHRAQUINONES**
Otto Stallmann, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 24, 1936, Serial No. 97,647
7 Claims. (Cl. 260—99.12)

1. In the process for preparing leuco-disulphuric acid esters of 2-amino-3-halogen-anthraquinones, the steps which comprise reacting a 1,3-dihalogen-2-aminoanthraquinone in which the amine group is protected by substituents of the class consisting of alkyl and acidyl groups, in a tertiary organic base, with a compound of the class consisting of sulphur trioxide, oleum, chlorosulphonic acid, and the pyridine sulphur trioxide compound obtainable by reacting sulphur trioxide with pyridine, in the presence of a metal of the class consisting of copper and zinc, at temperatures not materially above 120° C.

2,117,773
**OUTLET MOLDING**
Alfred A. Steinmetz, Locust Valley, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application November 23, 1931, Serial No. 576,902
4 Claims. (Cl. 247—3)

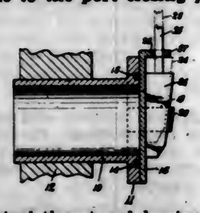


4. A continuous outlet receptacle comprising an insulating body embodying slots spaced apart for receiving the prongs of an outlet plug, conductor elements disposed in said slots to engage the prongs of said plug when inserted in connecting position in the receptacle, and insulating means carried by said conductor elements and disposed to close the slots, said means being yieldable to permit the prongs of the outlet plug to be inserted in connecting position in the slots.

2,117,774
**PORT CLOSURE DEVICE**
Clinton K. Textor, Cloquet, Minn., assignor to The Northwest Paper Company, Cloquet, Minn., a corporation of Minnesota
Application May 4, 1936, Serial No. 77,671
1 Claim. (Cl. 251—56)

A closure mechanism for a port lying substantially in a vertical plane comprising a member

providing a port opening, a closure plate adapted to fit over the port, a fixed yoke encompassing the port and closely encompassing the plate as a guide while permitting movement of the plate between the port and the yoke and also vertical movement of the plate within the yoke, means on the plate operable to engage the yoke positively to limit the downward position of the plate inside the yoke to the port closing position of the



plate, a vertical thrust rod having a wedge end located between the plate and the yoke and movable to push the plate against the port, and a loose connection between the rod and the plate whereby the plate is carried by the rod with considerable vertical play permitting wedging action of the rod when the plate is in its lowermost position, and permitting opening of the port without raising the plate.

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2,117,775

**FASTENING DEVICE**

George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio

Application December 3, 1936, Serial No. 113,949

4 Claims. (Cl. 85—36)



1. A threadless fastener comprising a body portion having an aperture therein for receiving a threaded member, the body having a notch extending radially from the aperture, and having that portion thereof adjacent the aperture deformed to provide a continuous wall from one side of the notch around the aperture to the other side of the notch, the wall extending substantially at a right angle from the body and having an inturned flange which comprises the thread engaging portion of the fastener, the flange and the wall at its juncture with the flange being helically shaped, whereby the edge of the flange at one side of the notch is spaced axially from that at the other side of the notch a distance substantially equal to the pitch distance of the thread on the member with which the fastener is to be used.

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2,117,776

**PURIFICATION OF SOY BEAN OIL**

Arthur O. Tischer, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 5, 1937, Serial No. 129,254. In Great Britain December 24, 1936

16 Claims. (Cl. 87—12)

1. The process which comprises removing phosphoIipids from soy bean oil and then subjecting the oil to high vacuum-short path distillation.

7. The process of purifying soy bean oil which comprises adding to the oil an electrolite and a liquid which is a solvent for the oil, but a non-solvent for the phosphoIipids, removing the oil-liquid solvent mixture from the precipitated phospholipids, separating the liquid solvent from the oil, subjecting the oil to short path distillation at a pressure below .01 mm. and collecting a plurality of fractions of the oil as a distillate, the first fraction being one which contains the odoriferous constituents of the oil.

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2,117,777

**DOUBLE SALTS OF CALCIUM ASCORBATE WITH CALCIUM SALTS OF OTHER POLY-HYDROXY - MONO - CARBOXYLIC ACIDS AND PROCESS OF MAKING THEM**

Kurt Warnat, Basel, Switzerland, assignor to Hoffman-La Roche, Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application December 27, 1937, Serial No. 182,022. In Switzerland January 8, 1937

6 Claims. (Cl. 260—112)

1. Easily water-soluble double salts of calcium salts of poly-hydroxy-mono-carboxylic acids and calcium ascorbate.

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2,117,778

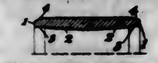
**APPARATUS FOR MACHINING AND THREADING PIPE SOCKETS AND THE LIKE**

Rudolf Francis Weiser, Sketty-Swansea, South Wales

Application August 22, 1936, Serial No. 97,454

In Great Britain August 23, 1935

11 Claims. (Cl. 10—128)



7. A machine for fabricating a pipe socket or jointing pipe of the internally screwed type comprising a premachining head and a screw threading head, a plurality of tools carried upon the premachining head so as to perform upon the workpiece the premachining operations of facing to length, boring and recessing and chamfering thread start and chamfering outside, means for moving the premachining head relatively to the workpiece so that the tools thereon perform their respective operations in one progressive movement, means for moving the screw threading head relatively to the work so that the threading operation is performed in one progressive tool movement, and driving means for maintaining rotation of the workpiece, the said driving means being interconnected with the means for moving the screw threading head.

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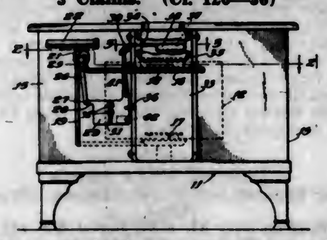
2,117,779

**STOVE**

Richard S. Weston, Joliet, Ill., assignor, by mesne assignments, to The Floyd-Wells Company, Royersford, Pa., a corporation of Pennsylvania

Application January 25, 1935, Serial No. 3,431

3 Claims. (Cl. 126—36)



2. In a stove having an oven, an oven burner in the lower part of said oven, a broiler burner



in the top of said oven, a vent for said oven, a damper normally closing said vent, a fuel supply for said burners, a valve controlling said fuel supply operable when turned in one direction to supply fuel to the oven burner and operable when turned in the opposite direction to supply fuel to the broiler burner, means connecting said damper to said valve whereby said damper is moved to open position when said valve is turned to supply fuel to either of said burners.

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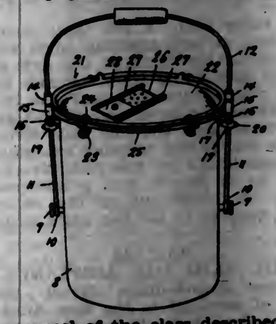
2,117,780

**COOKING UTENSIL**

John H. Wiersma, Chicago, Ill.

Application April 24, 1937, Serial No. 138,855

3 Claims. (Cl. 53—8)



1. In a vessel of the class described, a pot, a pair of rod members pivotally attached at their lower ends to diametrically opposite sides of the pot, U-shaped keeper brackets fixedly mounted on diametrically opposite portions of the upper part of the pot, the adjacent ends of said rod members being releasably engageable with said keeper brackets, rotary retaining elements mounted on said brackets for retaining and releasing the rod members, and a U-shaped bail having its ends hingedly attached to the upper ends of said rod members, and sleeves on the ends of said bail including coupling sockets usable in the manner and for the purposes described.

2. As a component part of an assemblage of the class described, a cover for a pot including a lid, said lid having a draining opening, a slidable plate valve for normally closing said opening, a disk-like colander attached hingedly to said lid, and a latch carried by the lid to maintain the colander in spaced parallelism with the lid.

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2,117,781

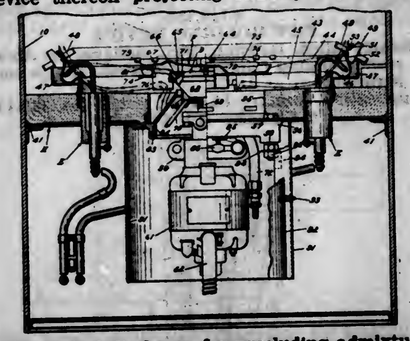
**LIQUID FUEL BURNING APPARATUS**

John A. Wilson, Detroit, Mich., assignor, by mesne assignments, to Timken-Detroit Axle Company, a corporation of Ohio

Application May 18, 1935, Serial No. 22,246

10 Claims. (Cl. 158—4)

3. In a liquid fuel burning apparatus of the wall flame type, having a substantially horizontal hearth surrounded by a wall to be heated; a substantially endless carbureting member located above the hearth and adjacent said wall, said member having a fuel impact surface facing toward the center of the hearth; a distributor head projecting upwardly through the hearth center and spaced from said carbureting member; said head having means for delivering a disc-like blast of air outwardly along the hearth toward the carbureting member; and said head further comprising means for substantially radially projecting liquid fuel toward said impact wall in unatomized condition from the head, said fuel projecting means being in close proximity to said air delivering means and having a baffle device thereon projecting radially beyond the



locus of fuel discharge for precluding admixture of the fuel and air at least during initial travel between the head and the carbureting member, whereby said fuel is caused to impinge upon said impact wall in the form of large unatomized droplets.

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2,117,782

**ELECTRIC SWITCH**

Otto Aldinger, Stuttgart, Germany

Application November 6, 1936, Serial No. 109,565

In Germany November 5, 1935

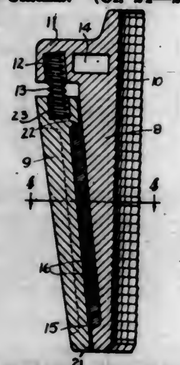
4 Claims. (Cl. 200—157)



1. An electric switching device mounted in the handle of an electric consuming apparatus for two electric circuits, comprising two toggle switches inserted in the said two circuits and mounted in the handle, one behind the other, in the longitudinal direction of the handle, both toggle switches having a stationary switched-off position and a stationary switched-on position different from the switched-off position, a switching-on press button and a switching-off press button capable of moving against one another and lying between the toggle switches transversely to the handle, the said two toggle switches having arms projecting into a free space between the said two press buttons with their respective free ends at different distances from the parts of the switching-on press button intended to act thereon when the toggle switches are in the switched-off position, and at the same distance from the parts of the switching-off press button intended to act thereon when the toggle switches are in the switched-on position, whereby the switching-on press button will act successively on the two toggle switches and the switching-off press button will act thereon simultaneously.

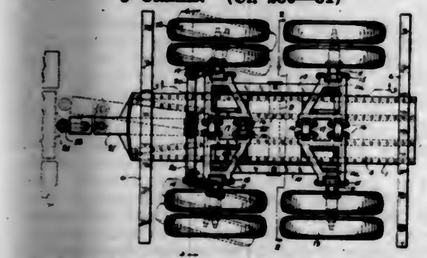
and a spring between the said two press buttons for returning the latter automatically into their initial position.

2,117,783
**PIPE HOLDING DEVICE**
Herbert Allen, Houston, Tex., assignor to Abercrombie Pump Company, Houston, Tex., a corporation
Application January 14, 1937, Serial No. 120,497
9 Claims. (Cl. 24—263)



1. A pipe holding device adapted to fit within a downwardly tapered bowl and engage a pipe, including a plurality of jaws, each jaw comprising an inner pipe engaging section and an outer bowl engaging section, the adjacent faces of said sections having parallel flat bottomed recesses, a plurality of rollers in said recesses furnishing an anti-friction bearing between the sections and means holding said sections together for simultaneous movement to and from said bowl and permitting a relative longitudinal movement between them.

2,117,784
**TANDEM TRUCK VEHICLE**
George S. Allin, Seattle, Wash., assignor to Isaacson Iron Works, Inc., Seattle, Wash.
Application November 17, 1936, Serial No. 111,238
5 Claims. (Cl. 280—81)



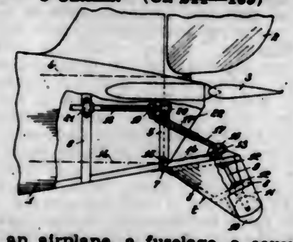
1. A truck chassis comprising a rigid load carrying frame, trunnions at opposite sides of the frame, supporting levers extending lengthwise of the frame and centrally pivoted on the trunnions for oscillating in vertical planes, a knuckle at each end of each lever; each knuckle comprising a wheel mounting spindle and a trunnion pivotally and slidably mounted in the end of the lever, ground wheels mounted by said spindles of the knuckles and a pair of hinge links for each knuckle with inner ends hingedly attached to the frame and outer ends hingedly attached to the knuckle to provide a parallel link mounting for each of the knuckles.

2,117,785
**ROLLER SKATE**
John Edward Becker, Stoney Creek, Ontario, Canada
Application May 15, 1937, Serial No. 142,737
5 Claims. (Cl. 280—11.19)



1. In a roller skate, a sole plate structure, a pair of rollers, an axle assembly upon which the rollers are rotatably mounted, one axle supporting member protruding from the axle assembly to the sole plate structure, a universal joint connection between the outer end of said axle supporting member and the sole plate structure, a second axle supporting member extending from the axle assembly to the sole plate structure and adjustable as to length, and a universal joint connecting the outer end of the second axle supporting member to the sole plate structure.

2,117,786
**TAIL SKID FOR AIRPLANES**
Walter Blume, Brandenburg (Havel), Germany, assignor of one-half to the firm Arado Flugzeugwerke G. m. b. H., Brandenberg, Germany, a German company
Application December 6, 1937, Serial No. 178,378
In Germany January 14, 1936
3 Claims. (Cl. 244—109)

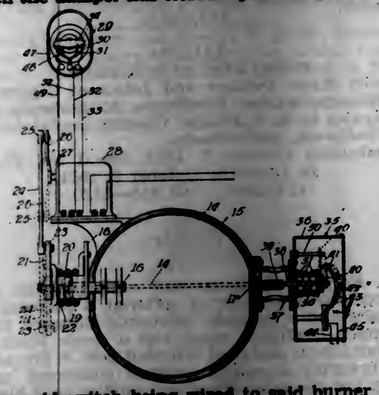


1. In an airplane, a fuselage, a cover on the fuselage, a tail skid, a horizontal hinge connecting the tail skid to the trailing end of the fuselage, means for turning the skid about the hinge, spring means interposed between the skid and the means, a steering wheel mounted to rotate on the skid, means for turning the steering wheel, and a cover on the skid which, in the elevated position of the skid, is flush with the cover on the fuselage.

2,117,787
**BURNER REGULATING MECHANISM**
Oscar L. Beck, Madison, Wis.
Application March 14, 1933, Serial No. 660,685
3 Claims. (Cl. 236—1)

1. A combustion system comprising a furnace, a burner for the furnace, means to actuate the burner, a flue leading from the furnace for conveying off the combustion products of the burner, thermostatic control means arranged in operative relationship to the furnace and operable in accordance with temperature conditions created by the furnace, a damper in said flue, the thermostatic control means being operatively connected to the damper to selectively move the damper to open or closed position, a switch connected with the damper, said switch connection being arranged to actuate the switch to closed position when the damper has opened a predetermined degree and to return the switch to open position when the damper has closed a predetermined de-





gree, said switch being wired to said burner actuating means for control thereof in accordance with the setting of the switch, the damper being yieldable by a predetermined elevated pressure within the furnace toward open position, and means to permit said yieldable opening of the damper within limits without closing the switch.

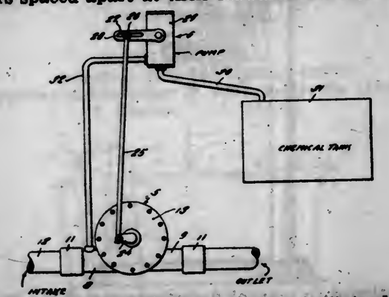
2,117,788
**AEROPLANE PROPELLER**
Roy Percy Cable, Manly Cable, and Cecil Cable, Macklin, Saskatchewan, Canada
Application April 17, 1936, Serial No. 74,999
In Canada April 18, 1935
3 Claims. (Cl. 170—162)



1. In an aeroplane propeller comprising a drive shaft having a hub rotatably mounted thereon, oppositely disposed shafts fixed in said hub and extending radially therefrom, propeller blades axially and slidably mounted on said shafts and means to automatically rotate the same about their axis as the structure revolves, said means comprising a spiral thread or spline on the ends of each radial shaft and a corresponding receptacle therefor, positioned in said propeller blades in fixed relation thereto, and means whereby the blades are urged centrally to their normal position, said means being actuated by the relative rotation of the drive shaft and the hub.

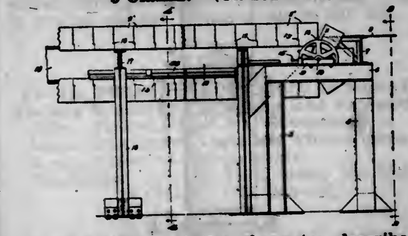
2,117,789
**MEANS FOR INTRODUCING AND MIXING CHEMICALS INTO AN OIL STREAM**
Herbert B. Cleary, Kilgore, Tex.
Application March 20, 1936, Serial No. 69,943
1 Claim. (Cl. 137—165)

Means for introducing and mixing chemicals into an oil stream, comprising a conduit through which the oil passes, a casing connected with the conduit and opening therginto, a rotor in the casing having vanes thereon acted upon by the oil flow for imparting movement to the rotor, each vane comprising a pair of converging members spaced apart at their forward and adjacent




ends, means actuated by the rotor for introducing chemicals into the conduit in front of the casing and means for restricting the entrance of the conduit with the casing to produce a jet of the oil against the vanes, said jet action and the formation of the vanes acting to mix the chemicals with the oil.

2,117,790
**MOVING TRACK**
Paul E. Cowles, Oakland, Calif.
Application August 9, 1937, Serial No. 158,246
5 Claims. (Cl. 104—137)

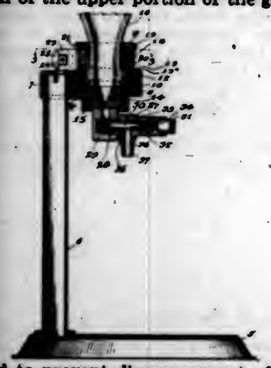


1. In a device of the character described, a main frame, an endless track comprising a pair of spaced parallel track sections operating over the frame, said endless track comprising pivotally connected track members, wear plates on the track members, wear plates on the frame, endless chains operating between the wear plates of the track members and frame, balls mounted in the chains and contacting with the wear plates supporting the track members, and means for operating the endless track sections.

2,117,791
**DISPENSER**
William B. Damsel and William C. Damsel, New York, N. Y.
Application September 16, 1936, Serial No. 101,148
3 Claims. (Cl. 225—22)

1. A device for use in dispensing the contents of bottles comprising a supporting cup, an annular resilient gasket seated on said cup and having an external shoulder, a retaining ring interlocked with said cup and engaging the shoulder to clamp the gasket to the cup, the bore of the gasket forming a seat for the end of a bottle neck and having an annular surface to grasp the bottle neck, and an expansible and contractable ring

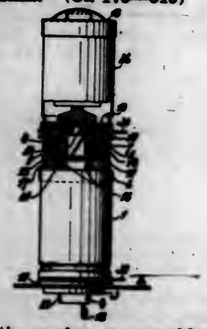
surrounding the gasket for preventing external expansion of the upper portion of the gasket and



positioned to prevent disengagement of the ring and cup.

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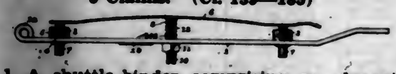
2,117,792
**ELECTROLYTIC CONDENSER**
Cornelis de Lange, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application December 17, 1935, Serial No. 54,882
In the Netherlands January 8, 1935
11 Claims. (Cl. 175—315)



1. An electrolytic condenser assembly consisting of a plurality of electrolytic condenser units each comprising an anode, an electrolyte, and an individual container acting as a cathode, means for mechanically interconnecting adjacent condenser units comprising an externally-threaded member forming part of one unit, a separate cover secured to the container of the adjacent unit, and an internally-threaded member secured to said cover and cooperating with said externally-threaded member, and means for securing said condenser assembly to a panel comprising a member secured between two adjacent units.

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2,117,793
**SHUTTLE CHECK**
Paul Deersein, Paterson, N. J.
Application October 7, 1937, Serial No. 167,791
3 Claims. (Cl. 139—135)



1. A shuttle-binder comprising an elongated body member, an elongated flexible elastic shoe member extending lengthwise of and presenting a convex face facing away from the body member, one end portion of the shoe member being supported by the body member and one member including a post pivoted in the other member on an axis transverse to said post and members and arranged adjacent to the other end of the shoe member.

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2,117,794
**IONIC DISCHARGE TUBE**
Daniël Marie Duinker and Johannes Gijsbertus Wilhelm Mulder, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application October 3, 1935, Serial No. 43,428
In Germany October 9, 1934
11 Claims. (Cl. 250—27.5)



1. An ionic discharge tube comprising an envelope partly of vitreous material, a plurality of anodes and a cathode adjacently disposed in a common discharge space, and a single block of carbonaceous material provided with a plurality of inwardly-extending cavities connected only with the discharge space surrounding said block, said anodes being individually disposed in said cavities and separated by the walls of said block.

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2,117,795
**PROCESS FOR PRODUCING DESIGNS IN IMITATION OF PAINTINGS**
Leif Eriksen, Oslo, Norway
Application February 2, 1937, Serial No. 123,706
In Sweden February 12, 1936
1 Claim. (Cl. 41—33)

A process for producing designs in imitation of paintings consisting in printing a picture positively on a gummed surface of a sheet of paper, coating the picture with a film of varnish, saturating the film when dry with water for removing the sheet of paper, applying a coating of hardening mass to a canvas support on portions where it is desirable to raise the surface of the picture in accordance with the surface of the original painting and roughening the surface thus raised to simulate the stroke of a brush and finally applying the picture bearing film to the raised roughened surface of the canvas support.

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2,117,796
**ANTISEPTICS**
Louis J. Figg, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 4, 1936, Serial No. 114,227
10 Claims. (Cl. 167—27)

1. An aqueous soap dispersion comprising caustic-soluble hardwood oil and an antiseptic phenol compound selected from the group consisting of ortho-phenyl phenol, 2:4:5-trichloro-phenol, monochloro ortho-phenyl phenol, 3-chloro-4-hydroxy diphenyl, 3-bromo-4-hydroxy diphenyl, and their sodium salts, the caustic-soluble hardwood oil acting as a dispersing agent for the antiseptic phenol compound.

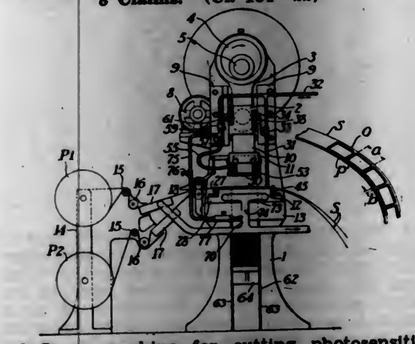
6. An aqueous soap dispersion comprising caustic-soluble hardwood oil, monochloro ortho-phenyl phenol, and a sufficient quantity of a potassium



halide selected from the group consisting of potassium bromide and potassium iodide to keep the dispersion from darkening in the light and air.

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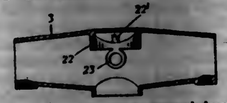
2,117,797
**PHOTOGRAPHIC PAPER PUNCHING MACHINE**
Edward P. Flynn and George F. Bobie, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 17, 1937, Serial No. 148,700
8 Claims. (Cl. 164—22)



8. In a machine for cutting photosensitive paper to a predetermined shape and size, the combination with a ram, of a punch and die adapted to be moved relatively to each other thereby, a source of compressed air, a perforated hollow die member connected by a valved connection with the source of compressed air, a perforated pipe extending across an end of the die member, means for operating the valve in timed relation to the ram for intermittently blowing air from the perforated die and pipe, and a paper moving mechanism operable in timed relation with the ram for advancing the paper through the air streams from the perforated pipe die whereby the paper may be floated into position for punching, a source of negative air pressure, a second set of hollow passageways in the die member, with perforations therefrom leading to the interior of the die, a valve for controlling negative air pressure in a pipe connecting the second hollow passageways to the source of negative air pressure, and means for operating said valve in timed relation to the ram and valve controlling the compressed air passing therethrough whereby positive and negative air pressures are simultaneously applied to different sides of a paper blank punched out by the punch and die.

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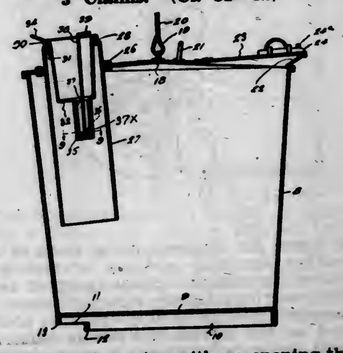
2,117,798
**RAILING AND THE LIKE**
George Harry Gascoigne, Queenamere, Wokingham and Joseph Rogers Knox, Reading, England
Application January 21, 1937, Serial No. 121,702
In Great Britain January 27, 1936
4 Claims. (Cl. 287—54)



1. A tubular T-clamp comprising a tubular stem, a tubular cross limb having its internal diameter progressively increasing from each open end inwards towards the mid point in the cross limb, and an internal cylindrical band-like projection in the cross limb opposite the tubular stem to co-operate with a transversely entering tube.

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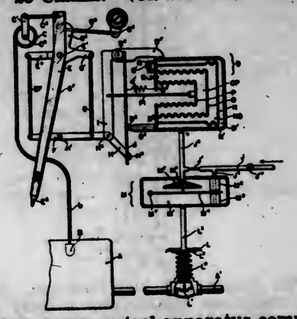
2,117,799
**MILKING PAIL**
Joseph F. George, Gustine, Calif.
Application December 18, 1936, Serial No. 116,632
3 Claims. (Cl. 31—52)



1. A pail having a top with an opening therein, a gasket carried by said top and arranged in and about said opening, and a tube frictionally held in said gasket and movable upwardly and downwardly through the same whereby it may be made to extend various distances above the top.

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2,117,800
**FLUID PRESSURE CONTROL APPARATUS**
Thomas R. Harrison, Wyncote, and Frederick W. Side, Philadelphia, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 19, 1935, Serial No. 32,138
25 Claims. (Cl. 236—82)

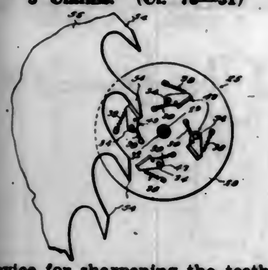


1. Fluid pressure control apparatus comprising a control pressure chamber and means for effecting an initial adjustment of the control pressure therein, of means actuated by a change in said control pressure to effect a follow-up adjustment of the latter and comprising a pressure adjusting part, an expansible chamber including a wall portion moving in response to changes in pressure in said expansible chamber and the movements of which give adjustment movements to said part, and a second expansible chamber in which a pressure change is produced by a change

in said control pressure and which is operative on a change in pressure therein to vary the pressure in the first mentioned expansible chamber and thereby move said wall portion and part.

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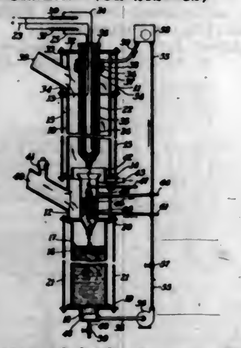
2,117,801
LUMBER SAW SHARPENER
Rudolph Heino, Mokemeon, Ontario, Canada
Application January 7, 1936, Serial No. 57,995
3 Claims. (Cl. 76—31)



1. A device for sharpening the teeth of a rotary lumber saw while said saw is rotating and comprising a standard, a pivoted support carried thereby, a carrier rotatably mounted on said pivoted support, saw sharpening elements pivotally mounted on the carrier and means cooperating with said elements for yieldably maintaining the same in position for contact by the teeth of the saw.

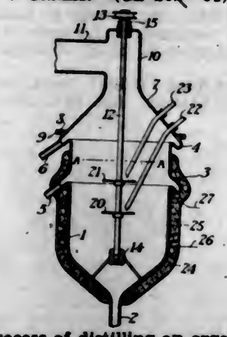
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2,117,802
DISTILLATION PROCESS
Kenneth C. D. Hickman, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application April 18, 1936, Serial No. 75,163
8 Claims. (Cl. 202—52)



5. The process of high vacuum, distillation which comprises establishing a body of liquid, organic, distillable material, circulating portions thereof in a substantially degassed condition and in a thin film over the vaporizing surface of a high vacuum short-path still, immediately cooling undistilled residue as it flows from the distilling surface to below temperatures of decomposition or distillation in order to prevent decomposition, returning it in a degassed condition to said body and recirculating it in portions over the vaporizing surface, the volume of said body being many times that of the liquid on the vaporizing surface.

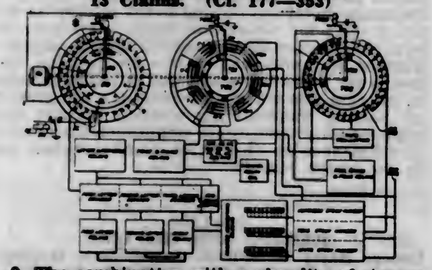
2,117,803
VACUUM DISTILLATION PROCESS
Kenneth C. D. Hickman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 4, 1936, Serial No. 114,226
In Great Britain July 6, 1936
7 Claims. (Cl. 202—64)



1. The process of distilling an organic mixture which is fluid at the temperature of distillation, which comprises spraying the mixture in a finely subdivided state into a localized body of hot vapors maintained under a pressure of below about .1 mm. and condensing molecules which are vaporized by contact with the hot vapors upon a condensing surface which is not in contact with the localized body of hot vapors, the body of hot vapors being derived from a substance which has a substantially lower vapor pressure than the distillate at the operating conditions.

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2,117,804
DECODER AND REGENERATIVE REPEATER
Raymond M. Hicks, Plainfield, N. J., and Everett R. Leroy, New York, N. Y., assignors to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application January 27, 1932, Serial No. 589,084
Renewed December 14, 1935
13 Claims. (Cl. 177—353)

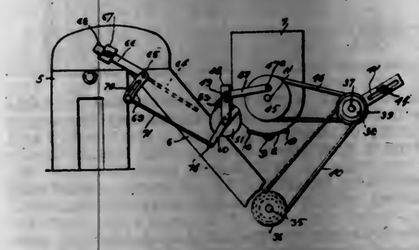


2. The combination with a plurality of storage devices, of a distributor for allocating incoming signals received in coded time relationship over a single line channel to said storage devices, means for converting said incoming coded signals into a different code involving a certain number of units, a single line channel and a plurality of other line channels, and means under control of said converting means for retransmitting said latter code over said single line channel by means of impulses in coded time relationship and over said other channels by means of signals allocated to different ones of the channels, the number of said other channels being equal to the number of units in the code into which the incoming coded signals have been converted.



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2,117,805
PROPORTIONAL FEEDER
John W. Hoefling, Sacramento, Calif., assignor to Hoefling Bros., Inc., Sacramento, Calif.
Application January 21, 1936, Serial No. 60,116
1 Claim. (Cl. 83—44)



The combination with an inclined discharge chute for primary material having an opening intermediate its ends, of a hopper containing secondary material located above said opening, a feed roll interposed between the hopper and the opening and forming at least a portion of the bottom of the hopper and mounted for rotation to convey the secondary material from the hopper to the opening, a doffer blade attached to the chute and in contact with the roll below the opening, means for rotating the roll in a step by step movement, a vane pivotally mounted in the discharge chute above the opening and normally closing the passage therethrough and capable of being variably positioned by variations in the flow thereover of primary material and means dependent on the position of the vane connecting the vane with the first mentioned means determining the extent of the step by step movement of the roll.

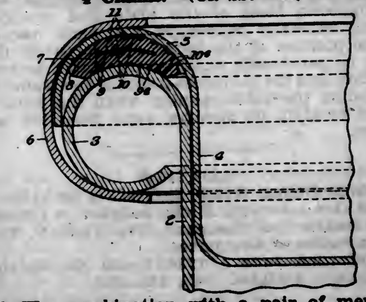
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2,117,806
MECHANISM FOR CAUSING INTERMITTENT FILM MOVEMENT
Oscar J. Holmes, Chicago, Ill.
Application February 25, 1937, Serial No. 127,709
25 Claims. (Cl. 74—436)



1. In apparatus for feeding motion picture film, a mechanism comprising a device adapted to be connected to drive a film engaging means, an instrumentality engaging said device to intermittently operate the same, said instrumentality having an adjustable element for adjustment to move said device through a predetermined distance and at a predetermined frequency for all adjustments while varying the speed of movement of said device.

2,117,807
GASKET CLOSURE
Albert E. Jesser, Butler, Pa., assignor to Pittsburgh Steel Drum Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 18, 1936, Serial No. 75,218
4 Claims. (Cl. 220—46)



1. The combination with a pair of members forming a closure, of a gasket disposed between said members and cemented to one of the members, means for applying a transverse sealing pressure to the gasket, said gasket having means thereon coacting with the member to which it is cemented to prevent lateral leakage displacement of the cement therebetween.

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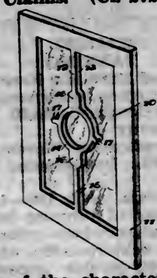
2,117,808
ARTICLE FOR PLANT NUTRITION
Linus H. Jones, Amherst, Mass., assignor to W. Bartlett Jones, Chicago, Ill.
Application June 27, 1935, Serial No. 28,760
2 Claims. (Cl. 71—16)



1. A diet for potted plants and the like which consists of granules of fertilizer material united into substantial rigidity into a relatively large flat wafer-like form having a relatively thin edge adapting the form for insertion edgewise into earth about a plant, the fertilizer material consisting of about 9 parts of fish meal to provide nitrogen and phosphate and about 1 part of a potassium salt.

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2,117,809
TRICK DEVICE
Ludwig Krug, New York, N. Y.
Application July 3, 1937, Serial No. 151,916
8 Claims. (Cl. 272—8)



1. A device of the character described comprising a plate of rectangular outline having an

opening therethrough approximately in the central area thereof and being otherwise of an impenetrable material, a rectangular frame in which the plate is slidable between two positions, having portions embracing and concealing all of the edges of the plate in both positions thereof and also having cross pieces in yielding contact with the opposite faces of the plate and including shields normally concealing the plate opening in one position of the latter, and relatively thin cards of penetrable material insertable between the plate and the said cross pieces of the frame for concealing the plate opening when the latter is moved to shift its opening away from the said shields.

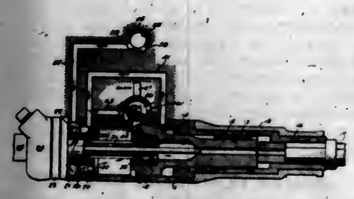
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2,117,810

## ROCK DRILL WITH BLOWING DEVICE

Earl B. Lear, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application June 3, 1936, Serial No. 83,210
1 Claim. (Cl. 121—16)



A fluid actuated rock drill comprising a cylinder, a hollow piston reciprocating therein, a hollow drill steel adapted to receive blows from the piston, a distributing valve chest, passages leading from said chest to the respective ends of the cylinder, a main exhaust port for the cylinder, a supplementary exhaust port for the front end of the cylinder, a fluid pressure supply chamber in the valve chest, a distributing valve in the chest controlling communication between said supply chamber and said passages, a source of live pressure fluid, connections between said source and said supply chamber, a housing for a throttle valve, a manipulative throttle valve mounted therein, characterized in that said throttle valve and housing are provided with selectively operable means for venting either exhaust port and simultaneously closing the other exhaust port, and vice versa, and are provided with selectively operable means for opening and closing the connections between the source of live pressure fluid and the supply chamber in the distributing valve chest.

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2,117,811

## TANNING

Gustav Mauthe and Hermann Noerr, Leverkusen-I. G. Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application November 21, 1935, Serial No. 50,988. In Germany November 24, 1934
6 Claims. (Cl. 149—4)

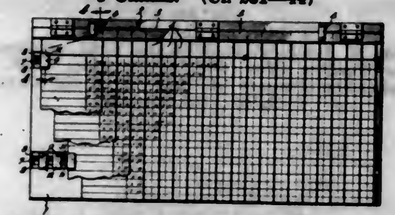
1. In the process of tanning with zirconium salts, the modification which comprises treating pickled hides of acid reaction with a solution containing a water-soluble zirconium chloride and gradually adding thereto a water-soluble sulfate during tannage.

2,117,812

## TABULATING BOARD

Charles S. Meyer, Norwood, Ohio

Application February 26, 1937, Serial No. 127,950
5 Claims. (Cl. 281—44)



5. A record sheet holder comprising, a table board for compiling and assembling thereon a plurality of sheets in a shingled relationship and having a shouldered straight edge longitudinally of one edge of the board, against which the sheets are squared, one or more guide rails recessed within the board parallel with said shouldered edge and of channel form, with inturned flanges for receiving and laterally confining a clip engaged therein, a plurality of clips, each having a portion slidably engaged within the rail and in frictional bearing therewith, and a tab portion for lapping a margin of a sheet upon the board for locating and holding said sheet, the web of the channel rails provided each with a longitudinal row of indentures, for interlocking cooperation with an indenture in the section of the clips housed and slidable within the channel rail.

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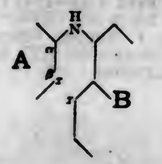
2,117,813

## ANTHRAQUINONE DERIVATIVES

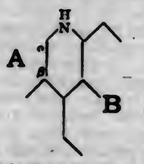
Walter Mieg, Opladen, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 16, 1935, Serial No. 31,725. In Germany July 28, 1934
3 Claims. (Cl. 260—36)

1. The products which are substantially identical with those obtainable by the process which comprises causing agents capable of splitting off hydrogen halide to react upon compounds of the type




wherein A represents an anthraquinone radical, B represents a system of at least two condensed benzene rings selected from the group consisting of naphthalene and pyrene nuclei and one of the $x$'s stands for halogen, the other $x$ for hydrogen, the said compounds having the probable formula




wherein A and B have the above meaning, and being vat dyestuffs of good fastness properties.



2,117,814

## PHOTOGRAPHIC TRACING CLOTH

Gale F. Nadeau and Henry R. Couch, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application January 21, 1936, Serial No. 60,094
8 Claims. (Cl. 91—69)



1. A process of making a light-sensitive tracing cloth which comprises coating a sized cloth with a solution of gelatin and a cellulose simple ester, applying a waterproofing layer over the aforesaid layer, and applying a light-sensitive layer over the waterproofing layer.

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2,117,815

## METHOD OF RECOVERING PLASTICIZER FROM SCRAP CELLULOSE ESTER PRODUCTS

Gale F. Nadeau and Louis K. Ellers, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 9, 1937, Serial No. 119,873
13 Claims. (Cl. 260—102)

1. In the recovery of the cellulose ester and the plasticizer from a scrap colloidized cellulose ester material containing plasticizer the steps which comprise leaching the scrap with a methyl alcohol leaching liquid containing not more than an equal quantity of water which is present in sufficient amount to prevent softening of the film base and then extracting the leaching liquid to remove the plasticizer therefrom with a non-gaseous fluid hydrocarbon immiscible with the leaching liquid.

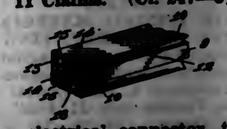
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2,117,816

## ELECTRICAL ATTACHMENT DEVICE

James Gordon Ness, East Point, Ga., assignor to H. R. Van Deventer, New York, N. Y.

Application July 6, 1931, Serial No. 549,028
11 Claims. (Cl. 247—3)



11. In an electrical connector, the combination of a non-conducting casing of insulation material having a slot therein, a conductor located in said casing and adjacent to said slot, and resilient deformable means included in the front portion of said casing for normally closing the slot whereby the conductor is enclosed in said casing.

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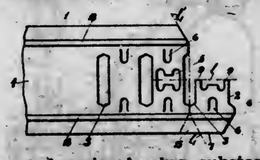
2,117,817

## METHOD OF MANUFACTURING EXCHANGEABLE CALKS FOR HORSESHOES

Johan Olsen Nygaard, Oslo, Norway, and Ole Milöen, Stockholm, Sweden, assignors to Aktiebolaget Nordiska Hovbeslaget, Stockholm, Sweden

Application December 17, 1935, Serial No. 54,916
In Germany February 12, 1934
5 Claims. (Cl. 59—68)

1. A method of manufacturing wedge members for exchangeable horse-shoe calks from a double profile material the web of which tapers transversely toward its longitudinal axis, comprising the punching of two series of holes in the web of said double profile-material, the one series of holes having substantially rectangular shape with the length direction substantially parallel to the transverse direction of the profile-material,



and the second series having substantially an H-shape with the staffs lying substantially parallel to said transverse direction and at a distance from the said rectangularly shaped holes, and then making shearings along the longitudinal axis of the web and transversely with respect to said axis and along the longitudinal axis of said rectangularly shaped holes.

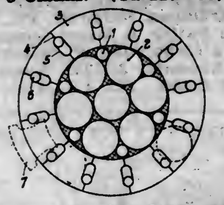
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2,117,818

## WIRE ROPE

Heinrich Oechslin, Romanshorn, Switzerland

Application August 4, 1936, Serial No. 94,226
In Germany November 27, 1935
8 Claims. (Cl. 117—58)



1. A wire rope or strand comprising an external layer of profile wires, the adjacent faces of which are in sliding contact with one another, some at least of the profile wires being formed with recesses in their contacting faces, and locking elements engaging in the said recesses to prevent one profile wire becoming disengaged from the others, the adjacent recesses forming apertures of elongated shape in cross section, the longitudinal axis of this cross section extending in the locking direction, and such clearance being provided between the locking elements and the recesses as to allow limited relative displacement in the locking direction between adjacent profile wires.

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2,117,819

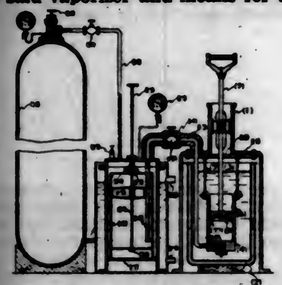
## APPARATUS FOR FILLING HIGH PRESSURE GAS CONTAINERS

Jiro Okada, Suginami-ku, Tokyo, Japan

Application April 25, 1935, Serial No. 18,242
In Japan May 16, 1934
4 Claims. (Cl. 62—1)

1. An apparatus for filling high pressure gas into a bottle, comprising a container for a low temperature liquid, a pump permanently secured in the container so as to be completely submerged in said liquid, said pump having a cylindrical body, a hand-operated reciprocating piston therein, apertures being provided in the cylindrical body above the upper limit of the piston stroke, a discharge valve at the bottom of said body; a vaporizer having valved connection with said bottle, a thin-walled vessel within said va-

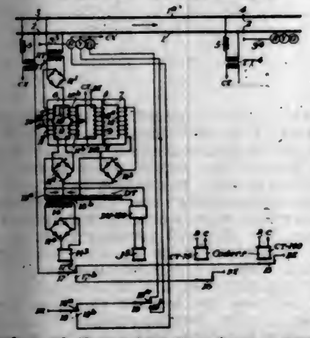
porizer spaced from the side-walls of the vaporizer, a valved conduit from said discharge valve of the pump having a nozzle opening adjacent the bottom of said thin-walled vessel, a second discharge valve in the bottom of said vessel opening into said vaporizer and means for operating



said second valve, whereby upon opening of said second discharge valve liquid proceeding from said vessel into said vaporizer becomes evaporated thus increasing the pressure therein and the bottle then filled by the thus generated gas by way of said valved connection.

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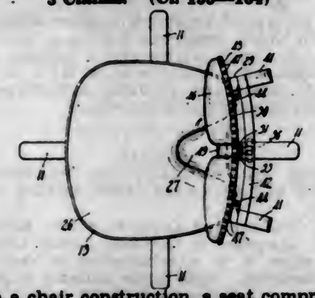
**2,117,820**
**ELECTRICAL RELAY**
**Bernard E. O'Hagan, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania**
**Application November 8, 1935, Serial No. 48,884**
**1 Claim. (Cl. 171—119)**



A relay of the saturation type comprising a main three-legged closed core of the shell type and an auxiliary C-shaped core which is separated from one leg of said main core by an air gap, a primary winding disposed on said one leg of said main core and normally supplied with alternating current, a saturation winding comprising two coils disposed respectively on the two remaining legs of said main core and connected in series in such manner that any voltages induced therein due to flux from the primary winding will oppose each other, a first secondary winding comprising two coils disposed respectively on said two remaining legs of said main core and connected in series in such manner that any voltages induced therein due to flux from the primary winding will be additive, said two remaining legs of said main core being provided with portions of reduced cross section between the two coils of said saturation winding and the two coils of said first secondary winding to reduce the current which must be supplied to said saturation winding to saturate said two remaining legs of said core, and a second secondary winding disposed on said auxiliary core.

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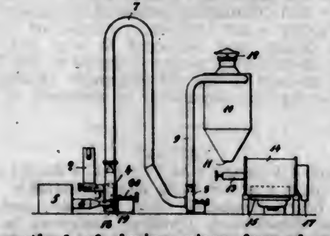
**2,117,821**
**CHAIR**
**Clyde H. Parker, Bedford, Ohio, assignor to The B. L. Marble Chair Company, Bedford, Ohio, a corporation of Ohio**
**Application March 5, 1936, Serial No. 67,260**
**3 Claims. (Cl. 155—184)**



2. In a chair construction, a seat comprising a substantially flat supporting base, a pad of yieldable material disposed upon the upper side of said base, said pad having a generally V-shaped depression in its upper rear surface extending inwardly from the central portion of the rear edge thereof, and a back support secured to the seat and having a back rest extending laterally thereof and comprising a rigid base with a pad of yieldable material attached thereto, said pad being formed with a medial recess in its outer surface extending transversely of its width, so as to be in the same vertical plane with the longitudinal axis of the V-shaped depression and to prevent the application of appreciable pressure to the base of the spinal column or that portion thereof which is adjacent the back rest when a person is sitting properly thereon.

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**2,117,822**
**METHOD FOR DRYING MATERIAL SENSITIVE TO OVERHEATING**
**Johan Mårten Pehrson and Ragnar Viktor Pehrson, Stockholm, Sweden**
**Application February 6, 1936, Serial No. 62,704**
**In Sweden July 31, 1935**
**1 Claim. (Cl. 34—24)**



A method of drying piece formed material sensitive to overheating, comprising subjecting said material to two separate heating steps, subjecting the material during the first step to hot gases of combustion for a time sufficient only to partially dry said material, utilizing said hot gases for transporting said material to the second heating step, separating the gases used in the first heating step from the partially dried material, and subjecting said partially dried material to further heating by leading hot gases of a considerably lower temperature than the gases of the first heating step transversely through the material for a period of time sufficient to complete the drying of the material.



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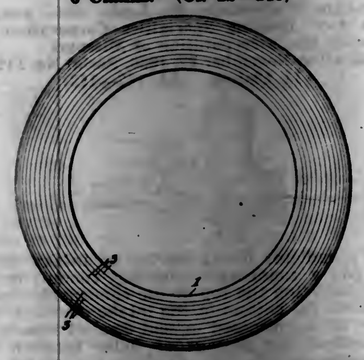
**2,117,823**
**ORNAMENT AND MOUNTING THEREFOR**
**Oscar Frank Piacco, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York**
**Application November 9, 1935, Serial No. 49,059**
**8 Claims. (Cl. 63—20)**



1. In combination, an ornament having a plurality of spaced lock elements mounted adjacent the periphery thereof, and a base having a central opening having a plurality of spaced catch elements positioned adjacent the periphery thereof comprising openings having resilient edges for receiving the lock elements, said base having means for detachably securing to a garment.

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**2,117,824**
**METHOD OF MAKING WELTS**
**Ernest J. Rogers, Dover, N. H.**
**Application February 6, 1937, Serial No. 124,499**
**Renewed March 31, 1938**
**6 Claims. (Cl. 12—146)**

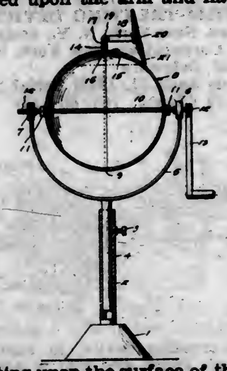


1. The method of making a shoe welt, consisting in dividing the casing of a tire on circumferential lines spaced apart approximately equal to the width of the desired welt, and then dividing the strips so formed longitudinally into sections of the desired thickness of the welt.

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**2,117,825**
**EYE-MUSCLE EXERCISER**
**Anson B. Sams, Chattanooga, Tenn.**
**Application May 18, 1937, Serial No. 143,381**
**8 Claims. (Cl. 128—25)**

1. An eye exercising device, comprising a globe supported for oscillation about an axis passing radially therethrough, an arm pivotally attached to the globe for movement about an axis perpendicular to the first mentioned axis, a disk rotatably mounted upon the arm and having its periphery resting upon the surface of the globe, and means for oscillating the globe.



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**2,117,826**
**FIREARM**
**Alex Seidel, Oberndorf-on-the-Neckar, Germany, assignor to Mauser-Werke A.-G., Oberndorf-on-the-Neckar, Germany, a joint-stock company of Germany**
**Original application August 20, 1935, Serial No. 37,078. Divided and this application August 24, 1937, Serial No. 160,680. In Germany May 6, 1935**
**6 Claims. (Cl. 42—1)**



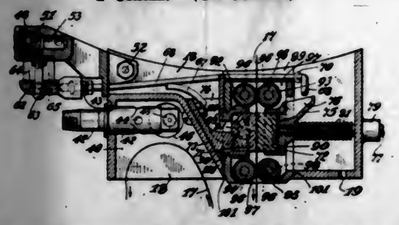
1. In a firearm having a magazine, a stock and a hammer; an operating rod for the hammer, said rod being enclosed in a cavity in the stock, a magazine lock in the base of the cavity for retaining a magazine in the stock, a bayonet joint connection between the magazine lock and the hammer operating rod, and means for removably securing the magazine lock in the stock.

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**2,117,827**
**CELLULOSE MIXED ESTER COMPOSITION CONTAINING AN ALKYL ESTER OF A DICARBOXYLIC ALIPHATIC ACID**
**Henry B. Smith, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey**
**No Drawing. Application December 28, 1935, Serial No. 56,235**
**1 Claim. (Cl. 106—40)**

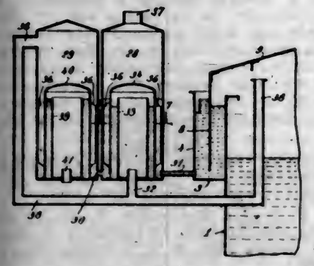
A transparent, flexible sheet comprising 100 parts by weight of a cellulose mixed fatty acid ester and, as a plasticizer therefor, from 10 to 30 parts by weight of dicapryl adipate.

**2,117,828**
**FILM-TREATING DEVICE**
Lester Soman, New York, N. Y., assignor to Film Treatizor Corporation, New York, N. Y., a corporation of Delaware
Application April 11, 1935, Serial No. 15,773
1 Claim. (Cl. 88—17)



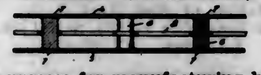
In a film-treating device, in combination, a cradle through which the film is adapted to be drawn downwardly, upper and lower pairs of opposed film-guiding rollers, a roller carrier in which said rollers are mounted with their axes parallel, a slideway fixedly extending transversely within said cradle parallel with the axes of said rollers for slidably guiding said roller carrier for free sliding movement endwise of said rollers laterally into and out of said cradle, opposed pad holders carried by said cradle therein at opposite sides of the film and adapted to extend respectively between upper and lower rollers of said pairs, and a pair of opposed film-treating pads respectively removably carried by each of said pad holders, the near outer end of said roller carrier being provided with an opening for the removal of said pads through said opening while said roller carrier is mounted within said cradle and the remote inner end of said carrier being formed to provide clearance for the removal of said roller carrier while said pads are carried within said cradle by said pad holders.

**2,117,829**
**CONSTRUCTION OF GASOMETER ROOF TANKS**
Ernest H. Staber, New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Original application January 26, 1934, Serial No. 708,351. Divided and this application August 18, 1936, Serial No. 96,687
1 Claim. (Cl. 220—85)



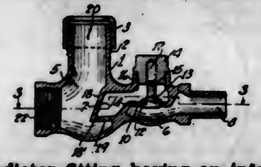
In cooperation with a tank having a gasometer type roof, a pressure relief valve and a vacuum relief valve, each comprising a liquid seal in open communication with the roof seal of the tank, and in each seal a gasometer float valve, each valve of a predetermined weight to enable the preselected pressure variation to cause it to rise and vent, each valve having a skirt of relatively great length compared to the difference in sealing liquid levels at its venting position.

**2,117,830**
**PROCESS FOR MAKING HEAT EXCHANGERS AND THE LIKE**
Willem Frederik van der Beyl, Rotterdam, Netherlands, assignor to N. V. Martens' Brandkastenfabriek, Doetinchem, Netherlands, a Dutch company
Application July 29, 1935, Serial No. 33,720
In the Netherlands July 30, 1934
2 Claims. (Cl. 29—157.3)



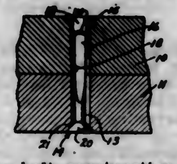
1. The process for manufacturing hollow heat exchangers, radiators and the like, which in a combined group of steps, consists in placing a plurality of cylindrical spacer elements of small cross section in a flat trellis structure to locate said spacer elements in an equidistantly spaced relationship, forming a pair of plates having flanged meeting edges serving to provide a space between said plates when said plates are assembled, said plates being also formed with inlet and outlet ports, placing the assembled trellis structure and spacer elements between said plates, welding said meeting edges of the plates, and spot welding the plates to the ends of each of said spacer elements, said trellis structure remaining in situ suspended upon the spacer elements parallel with and between the spaced portions of said plates.

**2,117,831**
**RADIATOR FITTING**
Abraham Wallerstein, St. Louis, Mo., assignor to A-W Heating Specialties Corporation, St. Louis, Mo., a corporation of Missouri
Application November 27, 1936, Serial No. 112,970
11 Claims. (Cl. 137—113)



1. A radiator fitting having an intake chamber and a condensate chamber, conduit means for connecting the top of the condensate chamber with the bottom of the intake chamber, and valve means disposed in said conduit means for controlling the passage of fluids between the chambers.

**2,117,832**
**ANCHOR BOLT**
George W. Wellner, Des Plaines, Ill.
Application March 4, 1937, Serial No. 128,897
12 Claims. (Cl. 85—2.4)



3. An anchor bolt construction comprising a U-shaped clip, an expander extending into said clip in spaced relation from the side walls thereof in one position, said expander being rotatable in the clip into engagement with the side walls thereof to force the same outwardly and means securing the clip and expander together.

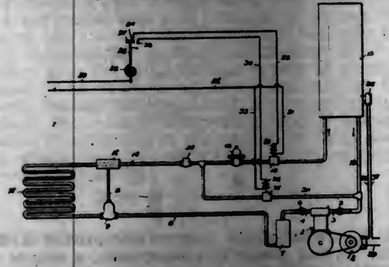


**2,117,833**
**FABRICATED FINISHED PLASTER CONSTRUCTION**
George W. Wellner, Des Plaines, Ill.
Application March 15, 1937, Serial No. 130,861
6 Claims. (Cl. 72—19)



1. A wall construction comprising spaced supporting members having dovetailed grooves therein, wall board slabs having dovetailed grooves formed in the back surfaces thereof and clip members disposed partly in the grooves of the supporting members and partly in the grooves of the slabs for holding the slabs on the supporting members.

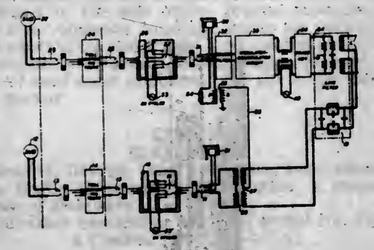
**2,117,834**
**REFRIGERATING APPARATUS**
Thomas S. Wetter, New York, N. Y.
Application May 14, 1937, Serial No. 142,565
6 Claims. (Cl. 62—3)



1. The combination with refrigerating apparatus having a compressor and an evaporator, of means having relatively large volumetric capacity as compared to the capacity of the evaporator and having connection with the outlet of the evaporator and with the intake of the compressor, thereby providing a relatively large space of reduced pressure communicating with the outlet of the evaporator, a pressure regulating valve in the connection between said means and the evaporator for regulating the minimum pressure in the evaporator, an automatically controlled valve for opening and closing said connection, a by-pass around said regulating valve, and an automatically operating control valve for the by-pass.

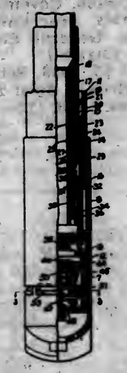
**2,117,835**
**TELEPHONE SIGNALING SYSTEM**
Harold S. Black, Elmhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 1, 1936, Serial No. 82,848
Renewed December 31, 1937
10 Claims. (Cl. 179—84)

1. In a telephone system, a line circuit including a physical branch and a carrier channel, and means including a signaling bridge circuit coupling the terminals of the carrier channel with



the physical branch of said line circuit, said bridge including a non-linear resistance.

**2,117,836**
**COMBINED BACK PRESSURE VALVE AND WALL SCRAPER**
Cicero C. Brown, Houston, Tex.
Application August 27, 1936, Serial No. 98,192
Renewed October 5, 1937
17 Claims. (Cl. 255—74)



1. A combination back pressure valve and wall scraper including a housing having a passage therethrough, a valve seat in said passage, a downwardly opening valve therein, means to hold said valve resiliently in said seat, laterally slidable scraping blades mounted in said housing, and means on said valve engaging said blades to control their lateral movement.

**2,117,837**
**HYDRAULIC SHOCK ABSORBER**
Anthony B. Casper, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application September 25, 1936, Serial No. 102,505
20 Claims. (Cl. 188—88)

1. A hydraulic shock absorber of the direct acting type comprising a cylinder, a piston and a piston rod extending therefrom, said piston rod having a fluid flow passageway extending therethrough from one side of the piston to the other, and an annular valve member surrounding said piston rod and having a restricted orifice communicating with one end of said passage for me-

tering the flow therethrough during relative movement of the cylinder and piston, said valve



being axially shiftable for adjustment of the size of said orifice.

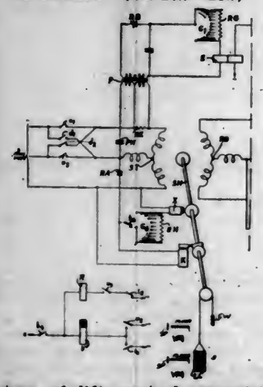
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2,117,838

**SYSTEM OF CONTROL FOR ELECTRICALLY OPERATED LIFTS**

Alexander Albert Chubb, Coventry, and Norman Carol Smart, Birley, near Coventry, England, assignors to The General Electric Company Limited, London, England

Application April 23, 1936, Serial No. 75,968
In Great Britain April 24, 1935
10 Claims. (Cl. 172—152)



1. A system of lift control comprising a lift motor having stator and rotor windings, a source of current, circuits including up and down contacts for energizing the stator windings from said source of current, starting resistances to be inserted in the circuits of the rotor windings during acceleration, deceleration resistance to be inserted in said circuits of the rotor windings during deceleration of the lift, tappings on said deceleration resistances cooperating with wipers of a step-by-step switch for adjusting the deceleration resistances according to the load in the lift, a stepping magnet for operating the wipers of said switch, a control relay, control relay contacts in the circuits of the rotor windings which when the control relay is deenergized connect said deceleration resistances in the circuits of the rotor windings and when said control relay is energized connect the starting resistances in said circuits of the rotor windings, up and down relays for operating the respective stator circuit contacts, up and down key contactors for energizing the respective up and down relays one at a time and simultaneously energizing said control relay, a relay arranged to be energized by current derived from the rotor circuits when said starting resistances are in the circuits of the rotor windings for starting operation of said stepping magnet so as to step the wipers of said switch and adjust the deceleration resistances and a relay arranged in a circuit deriving current from the circuits of the stator windings and adapted to be operated for stopping the operation of the stepping magnet, whereby the wipers are positioned so that the deceleration resistances are adjusted according to the load in the lift.

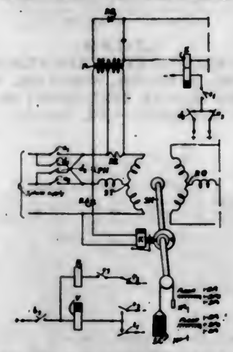
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2,117,839

**SYSTEM OF CONTROL FOR ELECTRICALLY OPERATED LIFTS**

Alexander Albert Chubb, Coventry, England, assignor to The General Electric Company Limited, London, England

Application April 24, 1936, Serial No. 76,115
In Great Britain May 1, 1935
9 Claims. (Cl. 172—152)



1. A system of lift control comprising a lift motor having stator and rotor coils, a source of current, circuits including up and down contacts for energizing the stator coils from said current source, starting resistances to be inserted in the circuits of the rotor coils during acceleration, deceleration resistances to be inserted in the circuits of the rotor coils during deceleration of the lift, tappings on said deceleration resistances cooperating with wipers of a step-by-step switch for adjusting the deceleration resistances according to the load in the lift, a stepping magnet for operating the wipers of said switch, a starting relay, starting relay contacts in the circuits of the rotor coils which when the starting relay is deenergized connect said deceleration resistances in the circuits of the rotor coils and when said relay is energized connect said starting resistances in said circuits of the rotor coils, up and down relays for operating the respective stator circuit contacts, up and down lift operating contactors for energizing the respective up and down relays one at a time and simultaneously energizing said starting relay, and relays and circuits controlled by the lift which, after the release of an operated operating contactor for deenergizing the operated up and down relay and thereafter deenergizing said starting relay so as to insert said deceleration resistances in the circuits of the rotor coils, are adapted for energizing the other of said up and down relays for reversing the direction of the current in the stator coils so as to utilize the braking effect of the motor according to the load in the lift in stopping the lift at a floor.



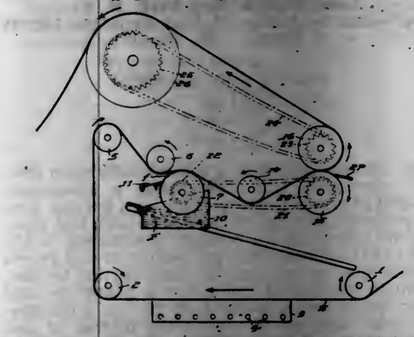
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2,117,840

**APPARATUS FOR FACE SATURATING POROUS MATERIALS IN THE MANUFACTURE OF HARD SURFACE FLOOR COVERINGS**

Leon E. Crew, Elmhurst, Del., assignor to Delaware Floor Products, Inc., Wilmington, Del., a corporation of Delaware

Application January 14, 1936, Serial No. 59,037
2 Claims. (Cl. 91—51)



2. In a machine for face saturating a strip of floor covering felt, a saturating roller rotatable on a horizontal axis and adapted to engage one face of the moving strip, a trough beneath the roller adapted to maintain saturating fluid in contact with the roller surface, a pair of inclined parallel rails disposed adjacent the ends of the trough, means movable along the rails for supporting the trough therefrom and releasable means for maintaining the trough in fixed position relatively to the roller to maintain said fluid in contact therewith.

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2,117,841

**THICKNESS INDICATOR FOR PAPER MAKING MACHINES**

Patrick J. Fitzgerald, Torrington, Conn., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn., a corporation of Connecticut

Application September 19, 1935, Serial No. 41,194
6 Claims. (Cl. 33—172)



1. Indicating apparatus of the class described, comprising a frame, a lever pivotally carried by the frame, roller means at one end of said lever, a weight on said lever for yieldably urging the roller means in one direction, said weight being disposed on the side of the pivotal mounting of the lever opposite from the roller an indicating dial carried by the frame, and operative driving connections between the indicating dial and the end of said lever opposite from the roller-carrying means.

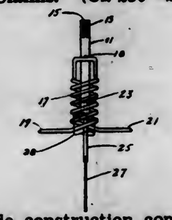
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2,117,842

**ELECTRODE**

Roscoe H. George, West Lafayette, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application September 30, 1935, Serial No. 42,820
5 Claims. (Cl. 250—27.5)



5. A cathode construction comprising a rod-like conducting member having a recess drilled into one end thereof, an electron emitting material supported within the said recess, a coaxially positioned bifilar heater winding surrounding said rod-like member and extending lengthwise thereof for a substantial portion of its length, an electrical connection between the midpoint of said bifilar winding and said rod-like member, and a conductor connected with said rod-like member at the end thereof opposite said electron emitting material.

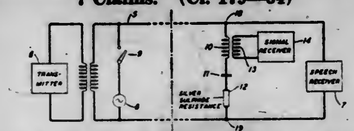
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2,117,843

**FREQUENCY SELECTIVE CIRCUITS**

Charles W. Green, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 2, 1936, Serial No. 113,820
7 Claims. (Cl. 179—84)




1. In a signal transmission system, a source of signaling current of a wide band of frequencies, a second source of signaling current of a narrow band of frequencies, a line, means for impressing on said line signaling currents from both of said sources and a path bridged across said line comprising a condenser, the primary winding of a transformer and a resistance element having a high negative temperature coefficient of resistance, said path being tuned to a frequency of said second source, said path being of high impedance to the signaling current from said first source.

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2,117,844

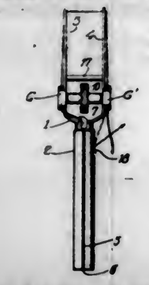
**DENTAL INSTRUMENT**

Rocco F. Grieco, Millburn, N. J.

Application July 9, 1937, Serial No. 152,678
5 Claims. (Cl. 132—92)

1. A tooth-cleaning implement comprising a yoke member having a base and two parallel

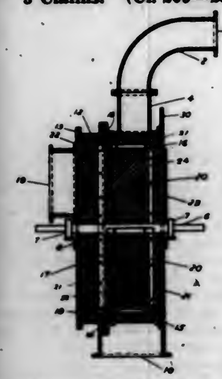
spaced arms, a handle attached to the said base, means to rotatively sustain a spool of dental floss within said handle, aligned openings in the ends of said arms, means to conduct the unwinding floss from the handle through said aligned openings, and means to frictionally engage the said floss as it passes to and comes from the said aligned openings to restrain the length of floss suspended between the said arms from longitudinal movement, said means comprising axially aligned spindles journalled in said arms adjacent the base, each of said spindles having threaded ends and a head, the head of the said spindles



being disposed adjacent the outer surface of the said arms and the threaded sections extending inwardly and closely abutting each other, the said threaded ends being provided with right and left hand threads respectively, a nut provided with aligned threaded recesses adapted to engage said oppositely threaded ends in a turn buckle arrangement, a floating washer loosely mounted on each said spindle adjacent said head and interposed between said head and the outer surface of said arm, and means to restrain the said spindle from rotation upon rotation of said nut.

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**2,117,845**
**SEPARATOR**
**George W. Hammack, Richmond, Va.**
**Application January 11, 1937, Serial No. 120,030**
**3 Claims. (Cl. 209—250)**



3. In a tobacco cleaning device, a cylindrical casing, a rotatable shaft journaled in the end walls of the casing; a plurality of spaced, rectangular rigid frames secured to the shaft and extending radially of the casing; a panel carried by and extending across each of the said frames; a circular screen mounted concentrically on the shaft and secured to said frames; a resilient annular fin secured to the screen and projecting from the periphery thereof into sealing relation with the peripheral wall of the casing; and resilient fins secured to said frames and extending radially and axially therefrom into rubbing contact with the end walls and the peripheral wall of the casing; said casing having a material inlet and an outlet at one side of said screen, and further having an air outlet at the other side of said screen.

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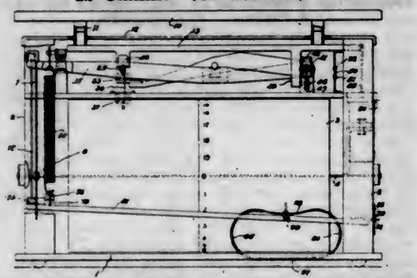
**2,117,846**
**DENTAL IMPRESSION TRAY AND HOLDER**
**Louis Kalvin, New York, N. Y.**
**Application September 23, 1936, Serial No. 102,088**
**1 Claim. (Cl. 32—18)**



In combination with a substantially rigid dental impression tray comprising a horseshoe-shaped groove consisting of an apex portion conforming to the front of the dental arch and rearwardly extending leg portions conforming to the sides of the dental arch, the bottom of said groove containing an upstanding ridge curved to conform to the line of the teeth; a holder for said tray comprising a holder body having a horizontal ledge adapted to receive the bottom of said apex portion and an upright wall adapted to abut against the front wall of said apex portion in at least two horizontally spaced points; at least one prong protruding from said upright wall to engage the front wall of said apex portion; an adjustable prong positively guided on said holder, and having a thin inner end portion extending below said apex portion and provided with a recurved point to hook into the rear wall of said apex portion; said horizontal ledge terminating in a rear wall forward of said ridge, and said entire holder, with the exception of the inner end of said adjustable prong, being located forward of the rear wall of said horizontal ledge.

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**2,117,847**
**SCALE**
**Bert W. King, Detroit, Mich.**
**Application April 4, 1936, Serial No. 72,789**
**12 Claims. (Cl. 265—39)**



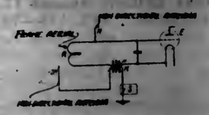
1. A scale comprising, a support, an indicating drum therein, a set of levers supported by the support, at least one of which is above the indicating drum, a platform constituting the uppermost part of the scale and supported by the levers, resisting spring means, means supported by the support for suspending the spring means



from the upper portion of the frame with the spring means depending into the lower portion thereof alongside of one end of the drum, and thrust means extending from a lever above the drum downwardly alongside said end of said drum and operatively connected at its lower end with the lower end of the spring means and a stabilizing link for the lower ends of the thrust means and spring means.

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**2,117,848**
**DIRECTION FINDING METHOD**
**Ernst Kramar, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company**
**Application March 25, 1936, Serial No. 70,790**
**In Germany March 26, 1935**
**5 Claims. (Cl. 250—11)**



1. The method of obtaining bearings from a non-directional radio transmitter which consists in combining a frame aerial effect with a non-directional antenna effect so that these two effects cooperate, and in adding periodically a non-directional antenna effect substantially double that of the first said non-directional antenna effect, such periodic additions being made in phase opposition to the first said non-directional antenna effect and in a rhythm adapted for obtaining bearings.

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**2,117,849**
**OIL SEAL RING**
**William Novey and John C. Tromba, Torrington, Conn., assignors to The Fitzgerald Manufacturing Company, Torrington, Conn., a corporation of Connecticut**
**Application July 11, 1936, Serial No. 90,097**
**2 Claims. (Cl. 288—1)**

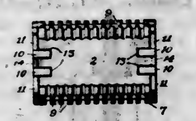


1. An oil seal ring of the character described comprising a casing of channel-like formation having a cylindrical wall and spaced end walls, a flexible washer having a tubular portion, said washer being positioned between the end walls, a garter spring disposed about the tubular portion of the washer, and a cylindrical hold ring engaging one of said end walls and said flexible washer, said hold ring being formed with lugs punched from the cylindrical part thereof and engaging the cylindrical wall for maintaining the hold ring in spaced relation with respect thereto.

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**2,117,850**
**SAFETY RAZOR**
**John Francis O'Malley, Flushing, N. Y.**
**Application August 5, 1936, Serial No. 94,405**
**1 Claim. (Cl. 30—63)**

A razor head including a cap and a guard adapted to clamp a blade between them, spaced lugs integral with the guard at the central portions of both ends thereof, webs extending from the lugs to the sides of the guard, the surface between the lugs being flush with the surface of the guard, the blade and the cap both having recesses in their ends to receive the webs, integral bars at the ends of the cap between the recesses therein, said bars extending beyond the ends of the cap and adapted to rest between



the lugs on the guard, fingers at the ends of the bars adapted to overlie the ends of the blade between the cap and guard, said guard having recesses in its ends receiving the fingers.

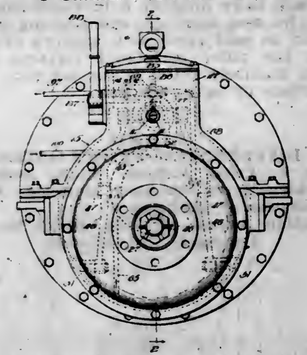
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**2,117,851**
**TREATMENT OF TERPENE ALCOHOL-ALKALI METAL BISULPHITE REACTION PRODUCTS**
**Robert C. Palmer and Henry J. Warmuth, Pensacola, Fla., assignors to Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware**
**No Drawing. Application August 24, 1936, Serial No. 97,658**
**6 Claims. (Cl. 260—159)**

1. The process of preparing wetting agents from terpene alcohol-alkali metal bisulphite reaction products which comprises heating the acid forms of said products at a temperature of not over 128° C. to distill off water therefrom until the mixture separates into two layers, and recovering the top layer.

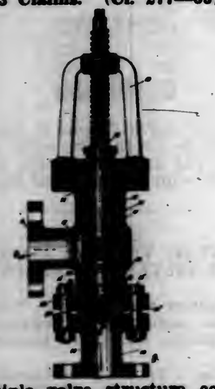
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**2,117,852**
**HYDRAULICALLY OPERATED REVERSING MECHANISM**
**William J. Pearmain, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin**
**Application November 18, 1935, Serial No. 50,287**
**8 Claims. (Cl. 192—87)**



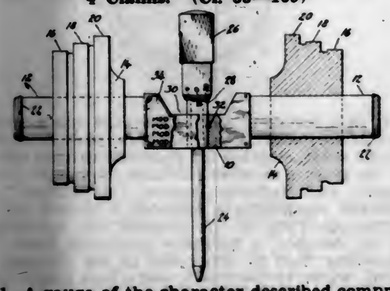
1. In a reversing mechanism, the combination of a driving shaft, a pair of gears freely rotatable on the shaft, clutches for positively driving either of the gears, a member shiftable to engage either clutch, and hydraulic means for shifting the member comprising a cylinder, a double-acting piston operating in the cylinder and connected to the member, a manually controlled valve for admitting fluid to either end of the cylinder, a pump driven by the shaft, and a pipe connecting the pump and valve for delivering fluid under pressure to the cylinder.

**2,117,853**
**VALVE STRUCTURE**
Walter K. Queen, Needham Heights, Mass.
Application November 16, 1936, Serial No. 110,972
3 Claims. (Cl. 277—33)



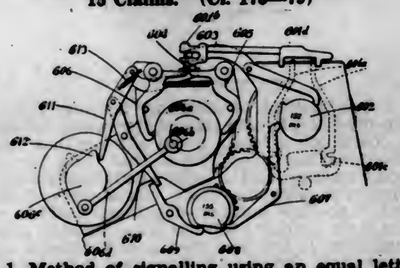
1. A multiple valve structure comprising in combination, a casing provided with inlet and outlet passages, a cylinder enclosed within said casing, said cylinder being provided with a port open to said outlet passage, an annular valve seat member associated with the lower end of said cylinder adjacent to said inlet passage, a valve stem enclosed within said cylinder, a valve member adjustably secured to said stem and having limited axial movement with respect thereto, said valve member being disposed for engagement with said valve seat member and the upper portion thereof terminating in an annular abutment, the peripheral surface of which is spaced away from the inner surface of said cylinder sufficiently to prevent erosion, said stem being provided near its lower end and above said valve member with an annular abutment fixed with respect thereto and lying below said port when said valve member is in engagement with said valve seat member, and packing members disposed on said valve stem between said abutments, the outer peripheral surfaces of said packing members being in contact with the inner surface of said cylinder.

**2,117,854**
**DIFFERENTIAL PINION GAUGE**
Arthur E. Price, Jackson, Mich., assignor to Hinckley-Myers Company, Jackson, Mich., a corporation of Michigan
Application August 17, 1936, Serial No. 96,339
4 Claims. (Cl. 33—169)



1. A gauge of the character described comprising a body element, opposite ends of said element being provided with a corresponding series of circular discs of different diameter, the discs of each series of discs arranged in order of their diameter with the smallest disc nearest the outer end of the body element and the largest disc nearest the center of the body element, a measuring instrument carried by said body element and disposed between said discs, said measuring instrument including a part adapted to be adjustably projected and withdrawn radially of said discs with respect to the body element.

**2,117,855**
**PRINTING TELEGRAPH SYSTEM AND APPARATUS**
Reginald Dennis Salmon, Croydon, England, assignor to Creed and Company, Limited, Croydon, England
Application July 11, 1935, Serial No. 30,853
In Great Britain August 17, 1934
15 Claims. (Cl. 178—79)

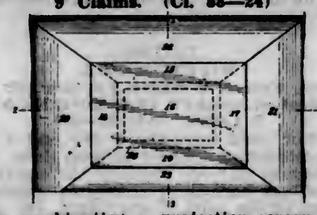


1. Method of signalling using an equal letter code which consists in transmitting for each character a code combination and determining said code combination by the character to be transmitted and that code combination transmitted immediately before.

**2,117,856**
**METHOD OF PRODUCING IRON CORES FOR ELECTROMAGNETIC COILS**
Wilhelm Scheppmann, Berlin-Neutempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
No Drawing. Application July 11, 1935, Serial No. 30,917. In Germany July 14, 1934
2 Claims. (Cl. 175—21)

2. A method of producing iron cores for high frequency electromagnetic coils which consists in mixing iron powder with a solution of amber, drying this mixture and compressing it to form the core.

**2,117,857**
**SCREEN AND SYNCHRONIZED LIGHT FIELD**
Benjamin Schlanger and Jacob Gilston, New York, N. Y.
Application May 17, 1937, Serial No. 143,110
9 Claims. (Cl. 88—24)



1. In combination, a projection screen adapted to have the projection light rays projected over the surface thereof, said screen having at least the marginal portions thereof light transmitting and reflecting relative to the projection light rays, and a diffusively reflecting background spaced behind said marginal portions of the screen and extending laterally outside of the marginal edges of said screen, whereby to form an illuminated field substantially around the screen.

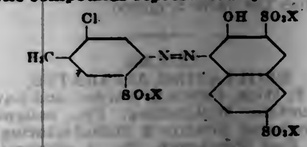


**2,117,858**
**SCREEN MATERIAL**
Arthur Schleede and Bernhard Bartels, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany, a corporation of Germany
No Drawing. Application December 19, 1934, Serial No. 758,344. In Germany December 19, 1933
1 Claim. (Cl. 134—47)

The method of making friable luminescent aluminum oxide coated zinc sulphide, which comprises the steps of producing luminescent zinc sulphide, washing said produced zinc sulphide with a solution of aluminum salt, filtering the resultant mass, washing said resultant mass with ammonium hydroxide, drying the resulting precipitate and then calcining the said precipitate.

**2,117,859**
**NEW AZO DYE AND COLOR LAKES AND THEIR PRODUCTION**
Alfred Siegel, Roselle, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 9, 1936, Serial No. 58,417
7 Claims. (Cl. 260—11)

1. The compounds represented by the formula:



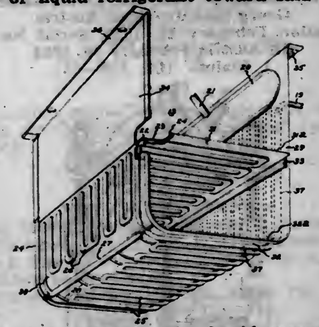
in which X is one of the group consisting of hydrogen, alkali metals, alkaline earth metals, and heavy metals.

**2,117,860**
**COLORED RUBBER PRODUCTS**
Alfred Siegel, Roselle, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 9, 1936, Serial No. 58,418
9 Claims. (Cl. 18—50)

1. A light-fast colored rubber product containing as a coloring ingredient a lake of the azo dyestuff obtained by coupling diazotized 2.chlor-4.amino-1.toluene-5.sulfonic acid with 2.naphthol-3.carboxylic acid, said coloring ingredient being stable and resistant to vulcanizing conditions.

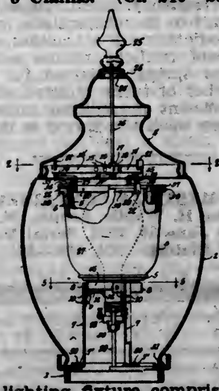
**2,117,861**
**EVAPORATOR FOR REFRIGERATING MACHINES**
Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 29, 1936, Serial No. 98,456
3 Claims. (Cl. 62—126)

3. A flooded evaporator for refrigerating machines comprising a header and a plurality of separate depending U-shaped refrigerant circulating passages, both of the ends of each of said passages communicating with said header and all of the ends of said passages being substantially in longitudinal alinement along said header, means communicating with the lower portion of each of said U-shaped passages and injecting liquid refrigerant longitudinally into said U-shaped passages for producing a circulation of liquid refrigerant toward said header



in one of the legs of each of said passages and away from said header in the other leg of each of said passages and for determining the direction of circulation of liquid refrigerant in each of said passages, said circulation producing means being arranged to circulate the liquid refrigerant in the same direction in adjacent legs of adjacent ones of said U-shaped passages, and means for withdrawing gaseous refrigerant from said header.

**2,117,862**
**STREET LIGHTING FIXTURE**
Alwin G. Steinmayer and Robert L. Smythe, Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application May 2, 1935, Serial No. 19,400
8 Claims. (Cl. 240—25)

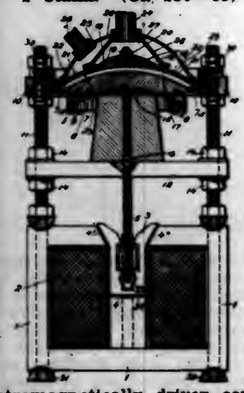


1. In a lighting fixture comprising a base, a light transmitting globe on the base, and a frangible canopy normally supported by the globe; a light transmitting refractor bowl in the globe and removably supported from said base independently of said globe, in combination with support means removably mounted on said bowl, and means on said supporting means and beneath

said canopy for receiving and supporting the canopy when the globe is destroyed or removed from the base, said means on said support being disposed adjacent the inner wall of said canopy, whereby breakage of said canopy will be prevented when said globe is destroyed.

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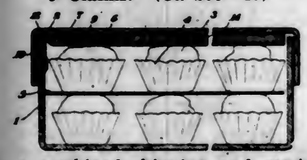
**2,117,863**
**ELECTRICALLY DRIVEN COMPRESSOR**
**Georg Székely, Graz, Austria**
**Application February 11, 1935, Serial No. 5,916**
**In Austria February 26, 1934**
**1 Claim. (Cl. 230—55)**



An electromagnetically driven compressor or vacuum pump having, in combination, an electromagnet comprising a stationary magnet body, a coil arranged thereon for energization by an alternating electrical current of given frequency and a vibratile armature in position to be attracted by said magnet body upon energization of said coil, a reciprocating compressor member connected to said armature and forming therewith a freely oscillating unit, and resilient restoring means connected to said unit so as to resist its deviation from a given position and tuned to a natural frequency which causes the oscillation of the unit to be substantially in resonance with the periodic force of attraction of the electromagnet, said resilient means comprising a conical helical spring arranged for having its effective number of turns reduced and, accordingly the coefficient of resilience increased when the load acting upon the spring is increased.

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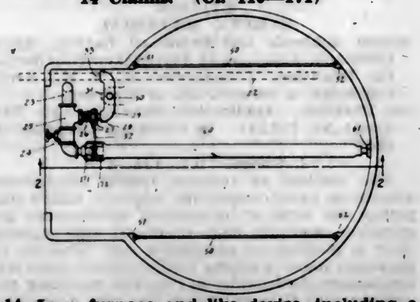
**2,117,864**
**COMESTIBLE CONTAINER**
**Eveline H. Waldie, Leonia, N. J.**
**Application June 30, 1937, Serial No. 151,091**
**6 Claims. (Cl. 206—47)**



1. In a combined shipping and serving container for a plurality of pieces of comestibles, the combination of a container body, a closure for said body, a resilient pad adapted to overlie the contents of said body and positioned beneath said closure, said pad comprising a plurality of napkins individually removable for use, and means for pivotally supporting said pad along one edge adjacent the upper edge of a side wall of said body.

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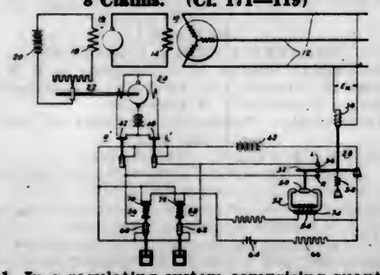
**2,117,865**
**SHIELDED ASH SPRAYING DEVICE**
**Emil Weber, Evansville, Ind.**
**Application May 8, 1936, Serial No. 78,647**
**14 Claims. (Cl. 110—171)**



14. In a furnace and like device, including a grate shaking member, an ash spraying device, and a supply pipe thereto, the combination of a valve in said device normally constrained toward cut-off or closed position and having an exposed operating portion, and means operable by the shaking member for opening and closing the valve, the ash spraying means having spraying ports, and ash guard shield means for covering the spraying ports and operable by the shaking member for exposing the spraying ports when the valve is opened and covering the spraying ports when the valve is closed.

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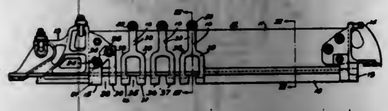
**2,117,866**
**REGULATING APPARATUS**
**Charles P. West, Edwin L. Harder, and Lawrence L. Fountain, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania**
**Application May 6, 1936, Serial No. 78,136**
**8 Claims. (Cl. 171—119)**



1. In a regulating system comprising quantity-adjusting means and a control-device therefor having a pair of cooperating contact members one of which is positionally responsive to the regulated quantity, the combination of electromagnetic means adapted, upon contact engagement, to produce, during the period of said engagement and for a predetermined short time after interruption thereof, a force tending to bias the movable contact member to a definite position away from the stationary one thereby to prevent overshooting of the quantity-correcting action.



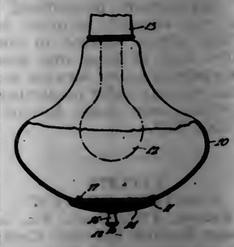
**2,117,867**
**SECTION INSULATOR WITH MAGNETIC BLOW-OUT**
**Charles C. Whittaker, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania**
**Application February 20, 1937, Serial No. 126,852**
**14 Claims. (Cl. 191—39)**



1. The combination in a section insulator for an overhead trolley system of, an insulating member, end members adapted to position the insulating member, a transversely slotted current directing arc member associated with an end member, and means including an auxiliary runner arc member for providing a conducting path for an arc current cooperative with said arc member to magnetically repel an arc from the insulating member.

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**2,117,868**
**LIGHTING FIXTURE**
**Frederic C. Winkler, Lakewood, Ohio, and Gilbert L. Moyer, South Bend, Ind., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania**
**Application October 9, 1936, Serial No. 104,814**
**In Australia June 18, 1936**
**13 Claims. (Cl. 240—100)**

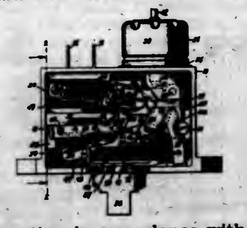


1. A lighting unit comprising a light transmitting globe having an opening therein, a rigid cover for said opening, and means including a spring-biased spider member attached to the cover disposed within the globe for releasably securing the cover to the outside of the globe.

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**2,117,869**
**CIRCUIT CONTROLLING DEVICE**
**Ernest Zarcher, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York**
**Application April 3, 1936, Serial No. 72,586**
**15 Claims. (Cl. 200—81)**

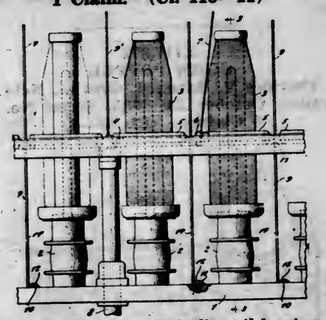
1. A circuit controlling device comprising movable circuit controlling means, a plurality of independently advanceable and retractable operating members, and operating means including a single overcenter spring continuously biasing said operating means to a single predetermined initial position for moving said circuit controlling means from one circuit controlling position to another with a snap action in response to advance movement of any of said operating members, and for automatically returning said circuit controlling means to said one circuit controlling position



with a snap action in accordance with the bias of said spring upon retraction of said operating members.

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**2,117,870**
**TWISTING FRAME**
**Arthur Westall Babbitt, Newark, N. J., and John Colby Lewis, Providence, R. I., assignors to The Clark Thread Company, Newark, N. J., a corporation of New Jersey**
**Application February 4, 1937, Serial No. 123,978**
**1 Claim. (Cl. 118—11)**



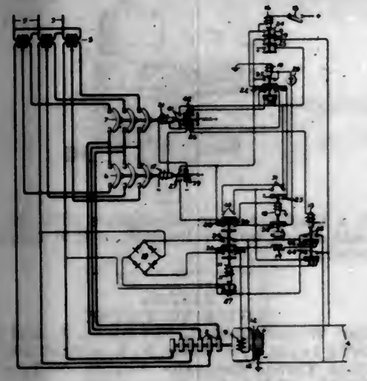
In a twisting frame, a spindle rail having means to support a plurality of substantially parallel spindles thereon, a ring rail movable towards and away from said spindle rail and parallel thereto and a separator of sheet material disposed between two spindles and extending substantially the entire lengths of said spindles parallel thereto, said ring rail having a slot through which said separator freely passes during relative movement of the rails, a foot on the separator engaging the spindle rail, and a spring clamp on the spindle rail adapted to engage said foot and hold it against the rail.

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**2,117,871**
**AUTOMATIC CONTROL EQUIPMENT**
**Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York**
**Application February 18, 1937, Serial No. 126,376**
**10 Claims. (Cl. 171—123)**

9. In combination, a synchronous converter, starting and running armature connections for said converter, a source of excitation, means for establishing said starting armature connections to start said converter, means controlled by the speed of said converter for connecting the field winding of said converter to said source of excitation, means responsive to a predetermined polarity across the direct current brushes of said converter after the field winding is connected to said

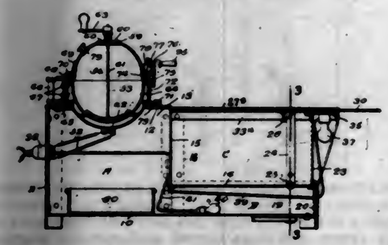
source of excitation for establishing said running armature connections, and means responsive to the establishment of said running armature con-



nections for connecting the field winding of said converter across the direct current brushes thereof.

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**2,117,872**
**CORN POPPER**
**Therides V. Barnard, Omaha, Nebr.**
**Application October 24, 1935, Serial No. 46,563**
**4 Claims. (Cl. 53—4)**



1. A popcorn machine comprising a stand with an offset, a receptacle positioned in the offset, said receptacle having substantially parallel grooves adjacent the top thereof, a sliding cover operably received in said grooves, a table at one end of the receptacle adapted to support the slidable cover when same is in an open position, a top for said stand having an opening therein, an upwardly extending flange about the opening, a heater unit in the opening and attached to the flange, a warming chamber in said stand, and a stand support removably associated with the stand.

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**2,117,873**
**ELECTRIC CLOCK**
**Frederic R. Bergfeldt, Middlebury, Ind., assignor to Middlebury Electric Clock Corporation, Chicago, Ill., a corporation of Illinois**
**Original application May 3, 1935, Serial No. 19,686. Divided and this application March 28, 1936, Serial No. 71,434**
**13 Claims. (Cl. 58—26)**

7. In an electric clock, the combination of a seconds shaft, a motor, a gear train operated by said motor for moving said shaft, a starting knob having a pinion mounted therein adapted to engage one of said gears for starting said motor, said pinion providing a bearing for said shaft, said



knob having a hollow compartment providing a lubricant reservoir for lubricating said shaft.

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**2,117,874**
**ELECTRIC CAPACITOR**
**Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York**
**Application January 27, 1934, Serial No. 708,621**
**6 Claims. (Cl. 175—315)**



1. An electric capacitor comprising the combination of juxtaposed unoxidized aluminum armatures, a non-aqueous solution of Rochelle salt in ethylene glycol located in contact with said armatures, and at least one sheet of substantially non-porous paper located between said armatures and substantially insulating the same from one another, said paper having a density of at least about 0.95.

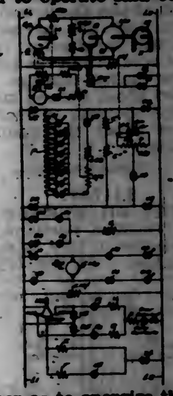
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**2,117,875**
**CONTROL SYSTEM**
**William F. Eames, Pittsburgh, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois**
**Application December 24, 1935, Serial No. 56,007**
**15 Claims. (Cl. 172—239)**

15. In a generator field control system, in combination, a direct current motor, a direct current generator, the armatures of said motor and generator being connected in loop circuit relation, a control field winding in said generator, circuit means for connecting said control field winding to a current source, a compounding field winding in said generator disposed to be responsive to the current flowing in said loop circuit, a two part correcting field winding in said generator, said parts being disposed to oppositely affect the generator voltage, a control relay having contact members disposed to oppositely connect said correcting field winding to a current source, a control winding on said relay connected in series circuit relation with said control field winding, a current winding on said relay connected in series circuit relation with said compounding field winding, and a voltage winding on said relay connected across said loop circuit, said voltage winding being disposed to operate said contact members in such manner as to energize one



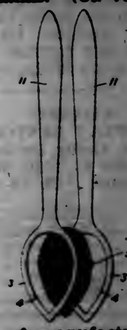
part of said correcting field winding to decrease the effect of said control and compounding field windings and said control and current windings being disposed to operate said contact members



in such manner as to energize the other part of said correcting field winding to increase the effect of said control and compounding field windings.

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**2,117,876**
**PROCESS OF MAKING A DIETICIAN'S IMPLEMENT**
**Wilhelmina Kohlernach, Philadelphia, Pa.**
**Application September 25, 1936, Serial No. 102,461**
**2 Claims. (Cl. 76—105)**



1. A process of manufacturing a dietician's implement, which process comprises, forming flat blanks of the outline of the finished implement and having axially elongated orifices therein adjacent one end thereof, forming a portion of perforate material of the same shape in outline as said orifices but slightly larger, piling two of said blanks upon each other with one of said portions of mesh material between them and covering said orifices, bending said blanks and said mesh material in transverse and longitudinal directions to the shape of the finished implement and attaching said blanks and said mesh material together.

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**2,117,877**
**ROLLER BEARING**
**Jacob Fisher, Philadelphia, Pa.**
**Application July 21, 1937, Serial No. 154,069**
**3 Claims. (Cl. 308—206)**

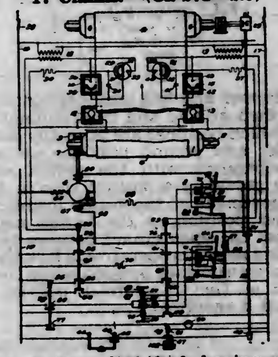
1. A roller bearing assembly of the character described comprising an outer ring member and an inner ring member spaced therefrom, the inner edges of the outer ring member, and the outer edges of the inner ring member being beveled, a plurality of spools disposed between said outer and inner ring members, each of said spools comprising end pieces having a conical shape that is complemental to the beveled edges of the



said ring members and which end pieces are connected by a cylindrical body portion, and a plurality of roller bearing elements having a cylindrical surface engaging corresponding cylindrical surfaces of said ring members, and truncated conically shaped ends which are complemental to and in engagement with the conical ends of said spools.

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**2,117,878**
**GUIDE CONTROL MEANS FOR WEB MATERIAL**
**Paul E. Friedemann, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania**
**Application August 24, 1934, Serial No. 741,266**
**17 Claims. (Cl. 271—2.6)**



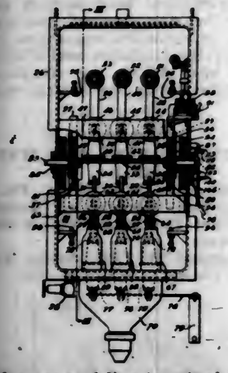
1. In a system of control, having a plurality of elements, for a machine moving a web of material longitudinally of itself and wherein the web is subject to move out of a desired path of travel, in combination, control circuits having a plurality of arrangements, means for moving the web so that a given line longitudinally of the web is moved away from the outer limits of the desired path of travel of the web for one arrangement of the control circuits, and means for positively oscillating the web, so that the given line longitudinally of the web moves within the outer limits of the desired path of travel for another arrangement of the control circuits, said control circuits including means for automatically changing from one arrangement of the control circuits to another arrangement of the control circuits by the failure of certain elements in the system of control.

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**2,117,879**
**ELECTRICAL APPARATUS**
**Henry S. Gates, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania**
**Application September 30, 1936, Serial No. 103,311**
**10 Claims. (Cl. 200—50)**

1. In a transformer grounding switch, in combination, a transformer terminal contact mem-

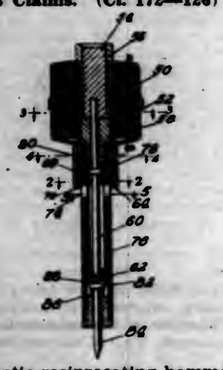
ber, a line terminal contact member, a ground contact member, a switch disposed for movement to electrically connect the line terminal contact member to the transformer terminal contact member or the line terminal contact member to the ground contact member, the switch being also disposed for movement to open circuit position where it does not bridge a plurality of contact members, means for actuating the switch member, the ground and line terminal contact members being so disposed that as the switch is moved progressively from open circuit position it bridges



the transformer and line terminal contact members and then ground and line terminal contact members which positions are generally designated transformer and ground positions, respectively, means cooperative with the switch actuating means for providing a positive stop in the progressive movement of the switch member at the transformer position as the switch member is moved from the open circuit position to ground position, and means cooperative to lock the switch member in transformer position when the switch is stopped at the transformer position if the transformer is energized.

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**2,117,880**
**MAGNETIC RECIPROCATING HAMMER**
**Arthur L. Goddard, Chicago, Ill.**
**Application May 17, 1935, Serial No. 22,054**
**3 Claims. (Cl. 172—126)**



1. A magnetic reciprocating hammer, comprising a housing, and an electro-magnetic coil, operating on alternating current, in the housing, a core movable within the coil, a rod fastened in the core and projecting from the housing, a shoulder on the rod, a sleeve mounted on the housing and surrounding the projecting portion of the rod, a shouldered hammer rod mounted in the outer end of the sleeve and aligned with the core rod for operative contact of the core rod therewith, and means for regulating the movement of the core within the coil, said means comprising three helical springs, two of said springs positioned about the rod and against opposite faces of the shoulder thereon, and a third spring positioned about the hammer rod and against its shoulder.

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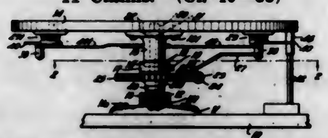
**2,117,881**
**FUEL OIL BURNER**
**Elmer E. Goehler, Portland, Oreg.**
**Application November 9, 1936, Serial No. 109,904**
**4 Claims. (Cl. 158—73)**



1. In an oil burning apparatus, a scroll shaped air receiving casing provided with a tangentially placed air inlet opening, a thin plate closure member for one side of the casing, said plate being provided with an axial orifice, a frusto-conical expansion chamber superposed on the thin plate member, said chamber being provided with a top opening spaced above and substantially of the same size as the orifice in the thin plate, and means in the upper part of the frusto conical expansion chamber for discharging a spray of atomized fuel through said top opening and at a wide angle to the axis thereof.

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**2,117,882**
**DISPLAY DEVICE**
**Russell S. Going, Berlin, Vt.**
**Application November 13, 1936, Serial No. 110,712**
**11 Claims. (Cl. 40—33)**



1. In a display device, a support, a rotatable platform mounted on said support, a trigger secured to said platform, a rotatable actuating element comprising an outwardly extending arm engageable with said trigger for rotating said platform, means for rotating said actuating element, and means fixed with respect to said support and located in the path of movement of said trigger for releasing the engagement between said actuating element and said trigger.

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**2,117,883**
**FINISHING MOLDING FOR UPHOLSTERING**
**James I. Hamm, Fairfield, Conn., assignor to The Bridgeport Coach Lace Company, Incorporated, Bridgeport, Conn., a corporation of Connecticut**
**Application September 20, 1935, Serial No. 41,448**
**2 Claims. (Cl. 20—74)**

1. A finishing molding comprising a flat body including metal strands extending across the



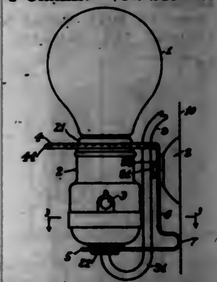
body, a bead disposed laterally of one edge of said body and about which said strands are looped to secure the bead to the body, a flexible covering about said bead and secured to a side of the body and extending beyond the edge thereof opposite that at which the bead is located, a core at said opposite edge of the body, said extending portion



of the covering enclosing the core and hingedly connecting it to the body for free folding movement over the edge of the body onto the body to conceal tacks driven therethrough, and said metal strands adapted to be bent to permit the bead to be folded onto a portion of the core when the latter is in tack concealing position to lock it in such position.

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**2,117,884**
**BRACKET FOR ELECTRIC LAMPS**
**Henry W. Hapman, Detroit, Mich.**
**Application November 3, 1936, Serial No. 108,992**
**3 Claims. (Cl. 248—296)**



2. In an apparatus of the character described, the combination, with a lamp socket having a cord attached thereto; of a bracket comprising a pair of members arranged in parallel spaced relation and having openings adapted to engage the large and small ends, respectively, of the socket and having smaller openings adapted to receive the cord, the openings in each of said members being connected by a slot, and a member arranged substantially at right angles to said members and connecting the same; a suction cup mounted upon said connecting member; said connecting member having thereupon an outwardly projecting portion spaced apart from said suction cup and terminating substantially in alinement with the outer surface thereof.

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**2,117,885**
**FIREARM**
**Jaroslav Hásek, Prague, Czechoslovakia**
**Application December 4, 1935, Serial No. 52,519**
**In Czechoslovakia December 6, 1934**
**7 Claims. (Cl. 89—26)**

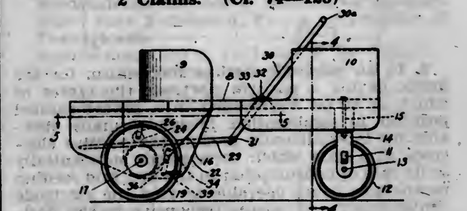
1. In a firearm including a barrel and a breech block having a plane surface directed toward the interior of the barrel, the combination therewith of a packing disk seated loosely on said plane surface, said disk consisting of a single layer of deformable non-resilient material bowed upwardly from the plane surface on a circumference intermediate the periphery and the center of the disk in the direction of the barrel and provided at substantially its center with a chamber for reception of a percussion cap, said disk adapted to flatten and have its periphery intimately engage the walls of the barrel, during discharge of said firearm and means on said breech block and



disk engaging each other when the disk flattens to connect the breech block and the disk for axial withdrawal of the latter from the barrel, said means being adapted to be disengaged from each other by radial displacement of the disk with respect to the breech block.

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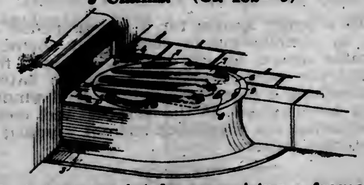
**2,117,886**
**MECHANICAL MOVEMENT FOR MOTOR COASTERS**
**Donald Henderson, Bremerton, Wash.**
**Application October 6, 1936, Serial No. 104,197**
**2 Claims. (Cl. 74—128)**



1. A mechanical power drive for use in coaster vehicles of the type including a platform, and driving ground wheels mounted on an axle, said drive comprising a friction drum secured on the axle of the vehicle, a friction bar mounted for selective reciprocation, a swinging roller mounted above the friction drum and movable in movement of the friction bar in one direction to permit the bar to move free of the friction drum, said roller cooperating with the bar in movement of the latter in the opposite direction to force the bar in frictional engagement with the drum, and a swinging roller in advance of the drum to fulcrum the bar in the movement of the bar in one direction to prevent contact between the bar and drum.

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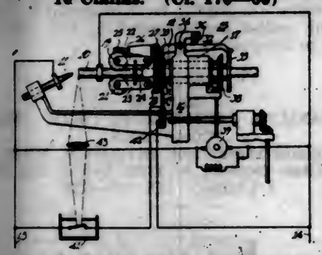
**2,117,887**
**SELF-CLEANING DRAINAGE INTAKE**
**Henry Holland, Cleveland, Ohio**
**Application March 8, 1937, Serial No. 129,614**
**9 Claims. (Cl. 182—6)**



1. A drainage intake comprising a frame having a supporting ledge at its upper edge supported above the drainage passageway, an imperforate removable metal cover plate supported on the ledge of said frame, a drainage aperture adjacent said cover plate, a series of slightly elevated ribs with flat upper surfaces on said cover plate,

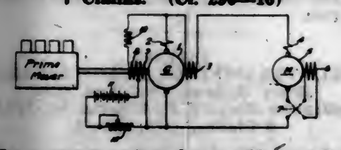
and means on the upper surface of said cover plate intermediate said ribs for forming a plurality of fluid wedges as the drainage fluid passes over said cover plate.

2,117,888
ELECTRODE FEEDING MECHANISM FOR SEARCHLIGHTS
William H. Jacobi, Wilkinsburg, Pa., and Irvine A. Yost, Lakewood, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 3, 1935, Serial No. 43,372
10 Claims. (Cl. 176—66)



4. In an electrode feeding mechanism for arc lights having a positive electrode the crater of which is to be maintained in a predetermined position, in combination, means normally operable for intermittently feeding the positive electrode at a rate which corresponds substantially to its rate of consumption in the arc, said feeding means also being operable to feed the electrode continuously and means responsive to the position of the crater for causing the feeding means to change its feeding operation to a continuous feed whenever the crater deviates from said predetermined position.

2,117,889
POWER TRANSMISSION SYSTEM
Frantisek Janza, Prague, Czechoslovakia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 20, 1937, Serial No. 132,056
In Czechoslovakia March 26, 1936
7 Claims. (Cl. 290—16)




1. In a power system for a self-propelled vehicle, in combination, a combustion engine, a generator driven by the engine, a shunt field winding for said generator, a storage battery for energizing a part of said shunt field winding during acceleration of the vehicle, and means for adjusting the energizing current supplied by said storage battery.

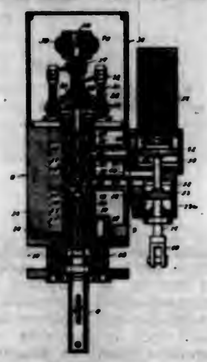
2,117,890
LAMP SHADE
William F. B. Johnson, Philadelphia, Pa.
Application December 8, 1937, Serial No. 178,633
2 Claims. (Cl. 240—103)

2. A lamp shade of the character described comprising a supporting structure that consists of an upper ring, a lower supporting ring formed with a plurality of scallops, said scallops defining apices, a plurality of supporting arms connected to the lower supporting ring and to the upper ring, and a shade piece of a generally conical formation having an upper edge secured to said



upper ring and a lower edge of wave-like formation defining a plurality of billows with depressions therebetween, said depressions being secured to the apices of the lower supporting ring, said scallops being disposed in the recesses defined by the billows in the shade piece.

2,117,891
GOVERNOR
Albert Kalin, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application June 17, 1935, Serial No. 27,037
4 Claims. (Cl. 264—15)



1. In a fly-ball governor, a coiled speeder spring of trumpet shape having the turns at the flared end of gradually decreased pitch and arranged to close upon one another progressively as the compressive loading on the spring is increased, whereby to increase the modulus of said spring in proportion to the deflection.

2,117,892
CIRCUIT BREAKER
Kurt Koch, Eichwalde, near Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application August 17, 1936, Serial No. 96,491
In Germany August 21, 1935
8 Claims. (Cl. 200—88)

1. A thermal release device comprising a plurality of independently movable thermal elements, a latch member movable from a latching to a releasing position, mechanism including a plurality of cams respectively disposed in the paths of movement of said thermal elements for operating said latch member to said releasing position in response to a predetermined move-

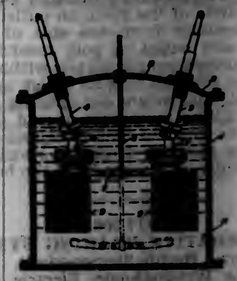


ment of any of said thermal elements, and means for adjusting said mechanism to vary simultane-



ously the relation of each of said cams to its associated thermal element.

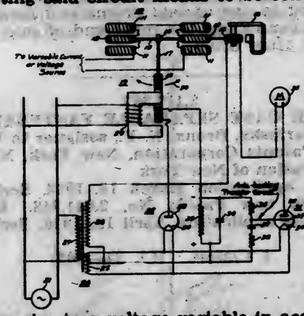
2,117,893
OIL CIRCUIT BREAKER
Winthrop M. Leeds, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application May 20, 1930, Serial No. 453,909
25 Claims. (Cl. 200—147)



1. An arc-extinguishing device including a plurality of superimposed plates adjacent to a path in which an arc is established having aligned slots therein for defining an arc passage having a tortuous portion, said passage having a portion of a narrow width for holding the arc in a definite path throughout a major part of the distance along said tortuous portion, and having a length at least several times the width of said narrow portion to permit a long arc to play therein, and means for causing a blast of gas through said arc out of said passage.

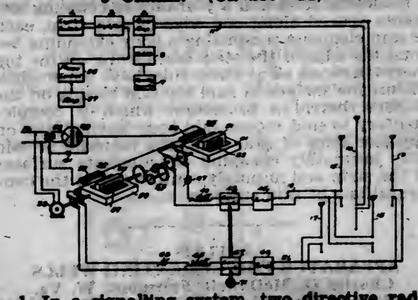
2,117,894
REMOTE METERING SYSTEM
Bernard E. Lenehan, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 12, 1935, Serial No. 16,210
14 Claims. (Cl. 171—95)

1. A metering system comprising, in combination, balance means disposed to be responsive to variations in a quantity to be measured, thermionic means for applying and measuring the force required to restore said balance means to a balanced condition when changes in said quantity occur thereby providing an indication of said quantity, said thermionic means including a space discharge device having an anode, a cathode and a control electrode, circuit means including reactance and resistance means connected in series circuit relation between said cathode and control electrode, and means for connecting said circuit means to be continuous-



ly responsive to a voltage variable in accordance with the movement of said balance means.

2,117,895
TRANSMISSION SYSTEM
Forrest S. Mabry, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 9, 1934, Serial No. 729,817
5 Claims. (Cl. 250—11)



1. In a signalling system, two directive radiators, a source of radiation frequency, means connecting said source to each of said radiators, said means including reversible coupling devices of different time periods, at least one for each radiator for periodically altering the influence of said source upon said radiators at different rates whereby the outputs of said two radiators will be modulated with different modulation frequencies.

2,117,896
SPRING SASH BALANCE
Aloysius F. Mantz, Los Angeles, Calif.
Application April 1, 1936, Serial No. 72,066
6 Claims. (Cl. 16—198)

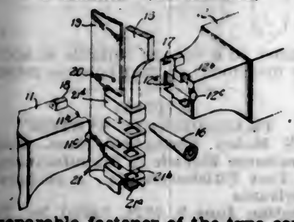


1. In a spring sash balance, a pair of cable-

carrying drums mounted for independent rotary movement, a spiral spring having its outer end connected to one of said drums and means adjustably connecting the inner end of said spring with the other drum.

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2,117,897
**DIE CAST SEPARABLE FASTENER**
Davis Marinsky, Bronx, N. Y., assignor to Whitehall Patents Corporation, New York, N. Y., a corporation of New York
Original application March 16, 1933, Serial No. 661,000, now Patent No. 2,041,848. Divided and this application April 18, 1936, Serial No. 75,083
4 Claims. (Cl. 24—205)



1. A separable fastener of the type comprising a mounting strip and a plurality of coupling elements spaced along one edge of said strip, each of said elements comprising a body extending beyond the edge of the strip and having on the top thereof a recess all of whose sides have upper edges within the surface of said top and having on the bottom thereof a projection which is complementary to said recess, said body having jaws on opposite sides of said strip, the material of said jaws intimately engaging the opposite surfaces of the strip and minutely conforming to the configurations of said surfaces.

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2,117,898
**APPARATUS FOR CEMENTING WELLS**
Charles O. McDowell, Fairmont, W. Va.
Application September 9, 1937, Serial No. 163,049
4 Claims. (Cl. 166—19)



1. In a device for cementing wells, a cylindrical casing having an opening in its wall, a reservoir for a quantity of cementitious material, a bottom for said reservoir having a discharge opening therein, lateral discharge ports in said casing beneath said reservoir bottom, a valve operable in said reservoir opening, pivoted means maintaining said valve closed while said means are confined within said casing by pressure exerted thereon by the casing of the well to be cemented, said means being forced outwardly of said casing through its wall opening upon cessation of the well casing pressure for releasing said valve and permit of its opening to permit the cementitious material to gravitate from said reservoir through said bottom opening and outward of the casing through the lateral discharge ports.

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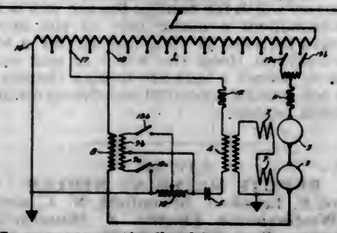
2,117,899
**EGG YOLK AND WHITE SEPARATOR**
Samuel Meckler, St. Paul, Minn.
Application July 24, 1937, Serial No. 155,482
2 Claims. (Cl. 146—2)



1. In a separator device of the class described, a bowl with a downwardly directed and reduced outlet concentric of the bowl, an outlet spout directed horizontally from the side of the bowl and above said outlet, a yolk receiving spoon member supported concentrically within the bowl and in spaced relation over its outlet, and a valve in said outlet, and means for opening said valve actuated by tilting movement of said yolk member toward the spout to simultaneously cause discharge of the egg yolk from the spout and discharge the white of the egg from the bowl outlet.

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2,117,900
**REGENERATIVE BRAKING SYSTEM**
Lothar Mirow, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 17, 1937, Serial No. 154,261
In Germany July 23, 1936
7 Claims. (Cl. 172—179)



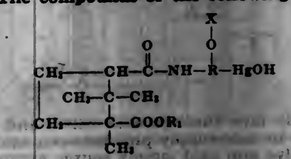
7. In a regenerative braking system, in combination, a motor having an armature winding and a field winding, a power transformer, tap-changing means for connecting the armature circuit of said motor to said power transformer, an additional transformer for energizing the field winding of said motor, resistance and capacitance disposed in the primary circuit of said additional transformer, a transformer for coupling the armature circuit and the field circuit of said motor, a resistor disposed in parallel-circuit relation with one winding of said coupling transformer, means for changing the transformer connections in the coupling circuit to produce either a compounding or an anti-compounding effect between the armature current and the field current, and means for varying the amount of said resistor that is connected in parallel with said transformer winding to vary the intensity of the compounding effect.



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2,117,901
**THERAPEUTICALLY ACTIVE ORGANIC MERCURIAL DERIVATIVES OF CAMPHORAMIC ACID AND ITS SALT AND THE PROCESS OF PREPARING THE SAME**
Nicholas M. Meisner, New York, N. Y.
No Drawing. Application April 26, 1937, Serial No. 139,606
15 Claims. (Cl. 260—13)

13. The compounds of the following formula:



where R is one of a group consisting of propyl, butyl and amyl, where X is one of a group consisting of ethyl, propyl and isopropyl, where $R_1$ is a cation of an element with an atomic weight below 56.

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2,117,902
**MOLDED ARTICLE**
Howard R. Meyer, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 28, 1936, Serial No. 113,183
4 Claims. (Cl. 18—3)



1. An insert for supporting rayon cakes comprising, in combination, layers of sheet material impregnated with a condensation resin disposed in substantially parallel relation with each other, and a screen disposed between certain of the layers of the sheet material to provide permanent resiliency therefor, the layers of the sheet material extending beyond the edges of the screen to protect the screen and provide flexibility in the ends of the insert, the layers of sheet material with the screen therebetween being molded under heat and pressure to form an integral unit.

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2,117,903
**SOUND PRODUCING DEVICE**
Albert J. Maslow, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 12, 1936, Serial No. 100,519
5 Claims. (Cl. 84—456)

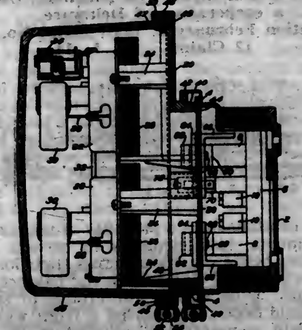
1. A whistle comprising a hollow cylinder, an inlet for air at one end of said cylinder, a plane transverse wall partially closing the other end of said cylinder, an elongated hollow tube of substantially smaller diameter than said cylinder communicating with the cylinder through an



opening in said transverse wall, the opening in said wall being of at least as great a diameter as the diameter of said tube, and means comprising a restricted orifice partially closing the end of said tube remote from said cylinder.

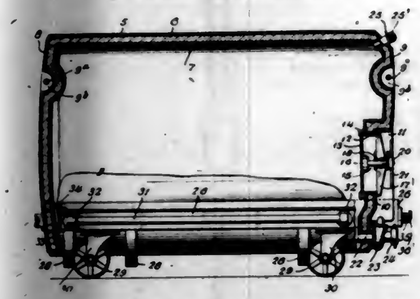
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2,117,904
**POLYPHASE DETACHABLE METER**
Walter G. Mylius, Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 21, 1935, Serial No. 50,851
2 Claims. (Cl. 247—2)



1. A detachable mounting for a polyphase watt-hour meter comprising an elongated substantially flat base and means for mounting a polyphase meter element on one side thereof, a cover for said element having a peripheral flange confronting the peripheral edge of said base, a segmental flange on said base adjacent one end thereof for engaging the inner surface of said cover, clamping means embracing the peripheral cover flange and the edge of the base, a projecting portion on the side of the base opposite to that upon which the meter element is to be mounted including a peripheral flange, a support including an aperture surrounded by a flange for confronting the last mentioned flange and means for releasably clamping said flanges together, and electrical contact means on said projecting portion and within the aperture in said support disposed to engage when such clamping means is effective.

**2,117,905**
**TRANSPORTATION DEVICE**
**Martin P. Nelson, Rutherford, N. J.**
**Application February 3, 1937, Serial No. 123,761**
**3 Claims. (Cl. 280—50)**



1. A unitary vehicle for transporting liquids in a railway freight car comprising a tank having means of access for cleaning said tank, means for filling and emptying said tank substantially within the marginal limits of said tank, said tank dimensioned in axial length proportional to a predetermined factor as exemplified by the interior width of a railway freight car, and dirigible wheels mounted beneath said tank, said wheels being in all positions substantially within the marginal limits of said tank.

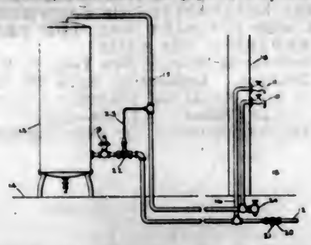
**2,117,906**
**SHOOK FEEDING DEVICE**
**Albert I. Obermiller, Santa Ana, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware**
**Application February 1, 1937, Serial No. 123,410**
**12 Claims. (Cl. 1—14)**



1. In combination: a plurality of magazines for flat elements, said elements in certain of said magazines being narrower across their longitudinal axes than the elements in the balance of said magazines; a depository for groups of said elements, said depository having a front wall under which said elements are adapted to be ejected side-edgewise; gathering mechanism for assembling groups of said elements from said magazines and depositing said groups successively in said depository; and means for seating said narrower elements in each such group with a longitudinal edge of each of said narrower elements in contact with said front wall.

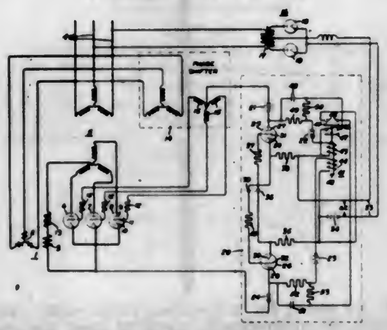
**2,117,907**
**WATER SUPPLY SYSTEM**
**William F. Ogden, Chicago, Ill.**
**Application February 27, 1937, Serial No. 128,212**
**6 Claims. (Cl. 137—79)**

6. In a water supply system for dwellings and the like having a hot water tank, a valve having means for connecting it in a water supply pipe between the source of supply and said tank and arranged in one position to connect said tank with the supply source and in another position to shut off the tank from the supply source, a pipe attached to and controlled by said valve adapted to be connected with the hot water take-off pipe of said tank so that in said last named position of said valve, said take-off pipe is connected with



said supply pipe through said valve, and a second valve in said supply pipe between said first-named valve and said supply source arranged in one position to connect said supply source with said tank through said pipe and in a second to cut off the supply source and to connect said pipe with the atmosphere.

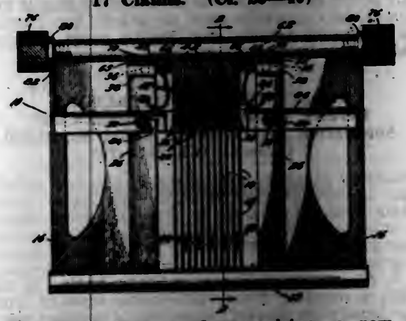
**2,117,908**
**ELECTRIC VALVE CIRCUIT**
**Chukichi Okawa and Shigenobu Wada, Tokyo, Japan, assignors to General Electric Company, a corporation of New York**
**Application October 6, 1936, Serial No. 104,287**
**In Japan October 26, 1935**
**14 Claims. (Cl. 171—119)**



1. In combination, an electric circuit, a dynamo-electric machine connected thereto and having a field winding, apparatus for energizing said field winding including electric valve means having a control member, an excitation circuit for energizing said control member comprising means for impressing on said control member a variable unidirectional biasing potential to control the conductivity of said electric valve means to control the energization of said field winding in proportion to the amount of the deviation of an operating characteristic of said machine from a predetermined value, and means for impressing on said control member unidirectional potentials to change substantially the conductivity of said electric valve means to control the energization of said field winding disproportionately relative to the amount of deviation of said condition when said condition departs from a predetermined range of values.



**2,117,909**
**HOOK LEASE REED**
**Albert J. Owler, Northbridge, Mass., assignor to American Supply Company, Central Falls, R. I., a corporation of Rhode Island**
**Application December 14, 1936, Serial No. 115,667**
**17 Claims. (Cl. 28—40)**



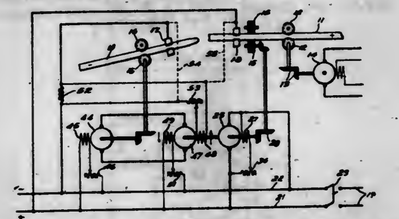
1. A hook lease reed comprising, a row of longitudinally aligned dents, flat end plates of substantially the thickness of said dents and means to joint the lower extremities of said row of longitudinally aligned dents and end plates in longitudinal alignment, the upper extremities of said dents having blocks of equal length soldered to similar end walls thereof, said blocks having upper walls inclined downwardly from said dents and hooks projecting downwardly from said similar end surfaces of said dents having lower hook forming tips projecting downwardly at spaced longitudinal distances from each of said dents, a rod having a longitudinal slot therein of substantially the thickness of said dents and plates for receiving the upper extremities of said dents and plates and retaining them in longitudinal alignment and having externally threaded ends and internally threaded cap members for each end of said rod having inner ends adapted to abut the outer ends of said end plates.

**2,117,910**
**STEREOSCOPIC VIEWER AND PHOTOGRAPHIC FILM FOR SAME**
**Earl Rossman, New York, N. Y., assignor to Noveliview, Inc., New York, N. Y., a corporation of New York**
**Application August 10, 1935, Serial No. 35,556**
**2 Claims. (Cl. 88—31)**



1. A viewing device with a perforated film tape therefor having thereupon a series of ocularly spaced complementary stereoscopic images, the device including binoculars with ocularly spaced windows for registering with said images, the device being adapted for threading the film therethrough, a toothed gear rotatably mounted in the device for meshing with the film perforations, means to arrest the rotation of said gear at peripheral distances equal to the distances required to advance the film to bring succeeding complementary stereoscopic images into registry with said windows, said film being provided with a predetermined terminal edge at such distance from the leading perforation thereof that when threaded through the device said edge will actuate one tooth of the gear to cause the succeeding tooth to enmesh with said leading perforation, and said predetermined edge being also at such distance from its leading pair of stereoscopic images that when enmeshing the film with the gear while it is in said arrested position it will bring the leading pair of complementary images in registry with said windows upon the succeeding arrested position of the gear.

**2,117,911**
**ELECTRODE FEEDING MECHANISM FOR HIGH INTENSITY ARC SEARCHLIGHTS**
**Oren G. Rutemiller, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania**
**Application June 27, 1934, Serial No. 732,685**
**8 Claims. (Cl. 176—73)**
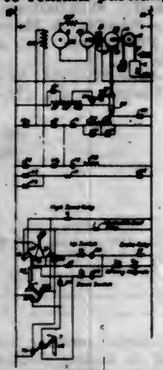


6. In combination, positive and negative electrodes disposed in arcing relation, a direct current energizing circuit for the electrode, means including a motor for rotating the positive electrode at a substantially constant speed, a second motor provided with differentially-related field windings, and differential means interposed between said motors and disposed to forwardly feed and retract the negative electrode dependent upon the relative speeds of the motors, one of said field windings on the second motor being energized in accordance with the arc current and the other field winding being energized at a substantially constant voltage, whereby upon energization of the electrode circuit the negative electrode is fed forwardly to engage the positive electrode, retracted to strike the arc and thereafter fed in accordance with the arc current.

**2,117,912**
**ELEVATOR SYSTEM**
**Danilo Santini, Chicago, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois**
**Application October 23, 1936, Serial No. 107,184**
**10 Claims. (Cl. 172—152)**

3. In an elevator system having a car serving a plurality of floors, a power means having a circuit, a switch, means responsive to operation of the switch towards its "on" position for connecting the power means circuit for starting and running the car and responsive to operation of the switch toward its "off" position for controlling the power means circuit to effect deceleration of the car, an electromagnetic brake provided with a circuit, a leveling means responsive to decelerating operation of the switch and to arrival of the car at the floor to which it is decelerating for applying the brake to hold the car level with the floor, a plurality of resistors in the brake circuit, means responsive to operation of the switch for rendering one of said resistors ineffective during the running of the car

between floors and for rendering it effective during the stopping and leveling operation of the car, means responsive to a predetermined movement of the brake toward its full open position for rendering another of said resistors ineffective, and means responsive to operation of the leveling means in releveling the car at a floor for connecting said brake circuit through said first named resistor during the releveling operation to effect a releasing movement of the brake during said releveling operation, means responsive to a predetermined movement of the brake toward its fully released position for rendering a second resistor in the brake circuit effective to prevent a further releasing movement of the brake to cause the brake to remain partially applied dur-



ing the releveling operation, a resistor for the power means circuit, means responsive to operation of the switch to start the car for controlling said power means resistor to control the acceleration and deceleration of the car in making a floor run, a second resistor for the power means circuit and means responsive to the operation of the leveling means in the releveling operation for rendering the second resistor of the power means effective and for rendering the first resistor of the power means circuit ineffective during the leveling operation whereby the power means is given more power to pull the car through the partially applied brake in the releveling operation than it had in initially starting the car for a one-floor run.

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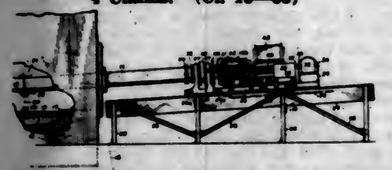
2,117,913

**ELECTRIC FURNACE**

**Gilbert E. Seil, Cynwyd, Pa., assignor, by mesne assignments, to Buffalo Electric Furnace Corporation, Buffalo, N. Y., a corporation of New York**

**Original application March 18, 1936, Serial No. 69,450. Divided and this application August 21, 1937, Serial No. 160,194**

**4 Claims. (Cl. 13—33)**



2. An electric furnace having a pair of oppositely directed electrodes of which at least one is a rotatable, substantially horizontal, hollow electrode wherein the electrode burden is treated, which comprises a reservoir for cores of starting material adapted to provide the electrode burden; means for feeding cores from said reservoir to and into the bore of said hollow electrode in a contiguous sequence; and means for changing the rate of feed of said cores without changing the speed of operation of said feeding means automatically operable upon variation from normal of resistance encountered by the cores entering said electrode bore.

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2,117,914

**ENCLOSURE FOR RADIATORS**

**Herbert M. Schick, San Mateo, Calif.**

**Application July 27, 1936, Serial No. 92,830**

**2 Claims. (Cl. 237—79)**



1. An enclosure for a radiator having a top with a receding flange projecting upward from the front edge thereof, a horizontal member overlying the top of the flange and projecting forwardly therefrom and having a downward flange and a tongue projecting inwardly from the bottom edge of the second flange toward an intermediate portion of the receding flange, a front panel having an upper portion projecting between said receding flange and said inwardly projecting tongue, said tongue terminating at such a point with respect to said receding flange that said flange and tongue coact to yieldingly clamp said front panel therebetween when said panel is in vertical position.

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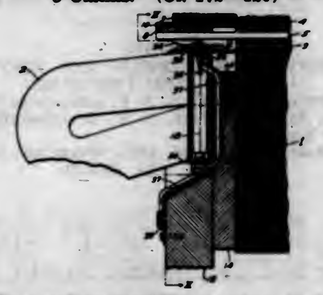
2,117,915

**DAMPER WINDING THERMAL PROTECTION**

**Charles C. Shutt, East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania**

**Application July 11, 1936, Serial No. 90,207**

**3 Claims. (Cl. 172—120)**



3. In a rotary machine, a rotor, a stator, a damper winding on one of said parts, and a thermostat mounted on the other part and exposed to a flow of heat from said damper winding across the air gap between said stator and rotor.

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2,117,916

**AUTOMATIC CAM GRINDING MACHINE**

**Herbert A. Silven and Carl G. Flygare, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts**

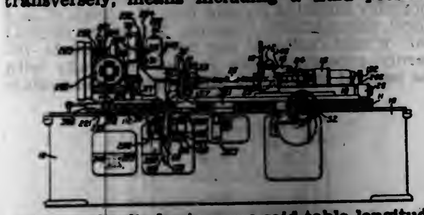
**Application December 26, 1935, Serial No. 56,148**

**14 Claims. (Cl. 51—101)**

1. A grinding machine comprising a rotatable grinding wheel, a transversely movable slide to



support said wheel, a longitudinally movable table, means including a rotatable work supporting spindle on said table, means including a fluid pressure piston and cylinder to move said slide transversely, means including a fluid pressure



piston and cylinder to move said table longitudinally, a control valve arranged to admit fluid under pressure to either of said cylinders, and a cycle control mechanism actuated by and in timed relation with the rotation of the work supporting spindle to actuate said control valve.

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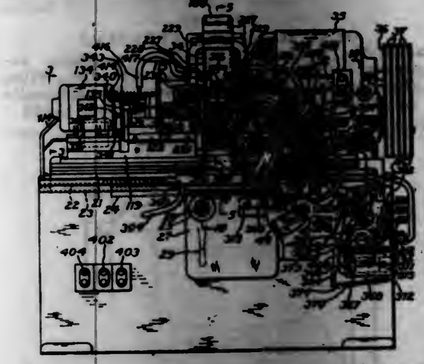
2,117,917

**AUTOMATIC GRINDING MACHINE**

**Herbert A. Silven, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts**

**Application October 4, 1937, Serial No. 167,131**

**17 Claims. (Cl. 51—105)**



1. An automatic cylindrical grinding machine having a transversely movable rotatable grinding wheel, a pair of opposed axially aligned work supporting and rotating spindles, a work carrier to convey work pieces successively to said spindles each of which is operated by a separate fluid motor, a main control valve in control of said grinding wheel fluid motor and said work carrier fluid motor, a cycle timing valve controlled thereby, said cycle timing valve being in control of said spindle fluid motor, and a cycle timing piston and cylinder to control the cycle of operation.

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2,117,918

**CORD LOCK**

**Walter J. Stuber, Philadelphia, Pa., assignor to Carey-McFall Co., Philadelphia, Pa., a corporation of Pennsylvania**

**Original application December 3, 1935, Serial No. 52,725. Divided and this application June 13, 1936, Serial No. 85,169**

**5 Claims. (Cl. 156—17)**

1. In a device of the character described, the combination of a bracket comprising a flat main portion and a flange portion substantially at right angles thereto with a substantially T-shaped slot formed therein, and a catch comprising a head portion arranged to pass through



the upper part of said T-shaped slot to engage one face of said main portion of the bracket and laterally projecting shoulders arranged to engage the opposite face of said bracket main portion.

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2,117,919

**REFRIGERATING APPARATUS**

**Otto M. Summers, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware**

**Application April 8, 1936, Serial No. 73,265**

**1 Claim. (Cl. 248—18)**



A supporting structure for suspendingly supporting a unit adapted to be operated and which unit creates vibrations during operation thereof comprising in combination, a plurality of suspension devices interposed between the unit and a member adapted to support same, each of said devices comprising a rigid member extending upwardly from and carrying said unit, a sound deadening element interposed between the unit and its point of engagement with said rigid member, a spring interposed between said rigid member and the member adapted to support the unit, said spring engaging said unit support member and extending upwardly therefrom around said rigid member, a sound deadening element interposed between the spring and its point of attachment to said rigid member, said spring being of a helicoid form and being of greater diameter at one end than at the other end thereof, said spring being positioned in said device with its greater diametered end bearing against the member adapted to support the unit for preventing lateral movement of the unit relative to its supporting member, and said second named sound deadening element preventing said spring from creating noises during vibration thereof.

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2,117,920

**CIRCULAR KNITTING MACHINE AND PROCESS OF KNITTING**

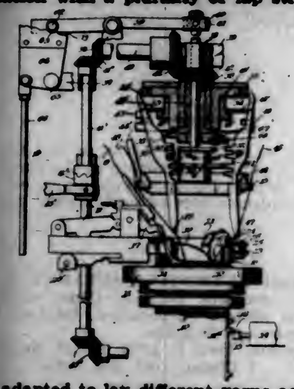
**William N. Taggart, Manoa, Pa., assignor, by mesne assignments, to Standard Trump Bros. Machine Co., Inc., a corporation of Delaware**

**Application November 1, 1929, Serial No. 404,024**

**17 Claims. (Cl. 66—135)**

1. In a circular knitting machine, a rotary circle of independent needles, a main yarn finger, means for raising at a point on the needle circle different from said main yarn finger needles selected from a segment of the circle of needles,

and means for raising at another point another selection of needles from the same segment, in combination with a plurality of lap stripe yarn



fingers adapted to lay different yarns across the needle circle at the two points selectively for engagement by needles in knitting the same course.

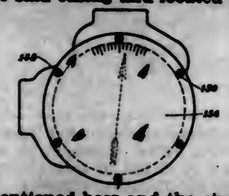
2,117,921
HOSE
Raymond Tayler, Earl Shilton, England, assignor to Bird & Yeomans, Limited, Earl Shilton, Leicestershire, England
Application June 26, 1934, Serial No. 732,541
In Great Britain April 10, 1934
3 Claims. (Cl. 66—172)



3. A ladies' full-length hose having a leg knitted of comparatively inelastic thread and having attached thereto a suspender grip, extending from the open end of the stocking to a position adjacent the knee of the wearer, which suspender grip consists of lace fabric, in which elastic threads are incorporated and which is capable of simultaneous stretch in directions both circumferentially and longitudinally of the stocking.

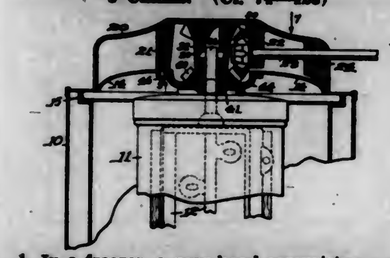
2,117,922
INDICATOR AND METERING DEVICE
Charles F. Terrell, Jr., Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application February 12, 1936, Serial No. 63,514
1 Claim. (Cl. 73—261)

A fluid flow indicator consisting of a circular casing having a transparent removable cover and having an inlet and an outlet spaced from each other, an inwardly extending cylindrical boss formed on the back of said casing, said boss being positioned eccentrically to the inner circumference of said casing, a circular toothed wheel rotatably mounted on said boss, the teeth of said wheel substantially touching the inner circular wall of said casing at one point, an arcuate, inwardly extending boss formed integrally with the back of said casing and located intermediate



the first mentioned boss and the circular wall of said casing so that a face of the boss will contact the ends of said teeth, a disc of substantially the same circumference as the circular wall of said casing, floatingly mounted snugly between said bosses and said cover, said disc having circumferential crown teeth adapted to mesh with the teeth of said wheel at certain points and to contact the opposite face of said arcuate boss, and an indicator on the outer face of said disc.

2,117,923
GEAR HEAD FOR FREEZERS
James W. Townsend, Winchendon, Mass., assignor to The Alaska Freezer Co., Inc., Winchendon, Mass., a corporation of Massachusetts
Application May 29, 1937, Serial No. 145,473
5 Claims. (Cl. 74—423)



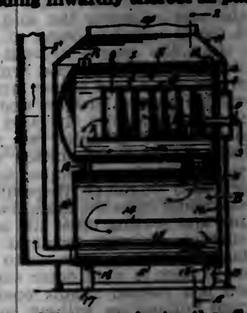
1. In a freezer, a gear head comprising a cover plate, a gear head casing mounted thereon and open at its lower face, said casing having a conical depending bearing projection, a bevel gear having a conical bearing recess loosely fitting said projection, a second bevel gear positioned below and supporting said first gear, a gear support and retainer positioned below and supporting said second gear, and means to secure said retainer, said cover plate and said casing in fixed assembled relation.

2,117,924
FURNACE
Harry G. Van Meter, Battle Lake, Minn.
Application May 9, 1936, Serial No. 78,995
1 Claim. (Cl. 158—1)

A heating unit comprising two vertically spaced heating chambers in communication with each other, a discharge flue connected to the lower portion of the bottom chamber, a pair of horizontally disposed vertically spaced apart plates in the upper chamber extending across the width

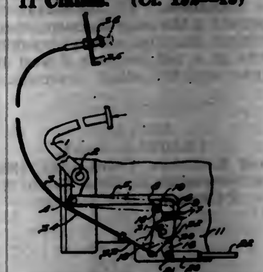


of said chamber, said plates having their front ends abutting against the front wall of the upper chamber and their rear or inner ends spaced inwardly from the rear wall of the upper chamber, a plurality of vertically disposed baffle members positioned adjacent the side edges of said plates and extending inwardly thereof in parallel planes



and at an oblique angle to the flow of gases through the upper chamber, a fuel nozzle extending through the front wall of the upper chamber, a substantially centrally disposed baffle in the upper chamber confronting said nozzle and a second series of vertical baffles extending forwardly of said latter baffle and disposed inwardly of said first named vertical baffles.

2,117,925
AUTOMOBILE BRAKE MECHANISM
Merten Van Meter, Grosse Pointe Park, Mich., assignor to The Logan Gear Company, Toledo, Ohio, a corporation of Ohio
Application February 12, 1938, Serial No. 6,926
11 Claims. (Cl. 192—13)



1. In an automobile brake mechanism, a brake, means for applying the brake, a constriction coil for holding the brake applied and a control means independent of the applying means for operating the constriction coil to release the brake, and means associated with the control means for holding the brake applying means inoperative to apply the brake upon operation of the control means to release the brake.

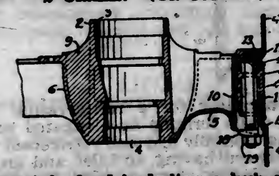
2,117,926
METAL WHEEL
George Walther, near Dayton, Ohio, assignor to The Dayton Steel Foundry Company, a corporation of Ohio
Application May 10, 1937, Serial No. 190,195
5 Claims. (Cl. 301—13)

3. A vehicle wheel having inner and outer tire rims thereon, each rim having a single, tapered seating surface at its axially inner edge, unobstructed tapered seats engaged by the tapered surfaces of said rims, circumferentially spaced, square-shouldered ridges on the wheel between said rims, and individual clamping means on both sides of the wheel forcing said rims against the



square shouldered ridges, whereby said rims will be supported by their single tapered seats in planes absolutely at right angles to the axis of the wheel.

2,117,927
METAL WHEEL
George Walther, near Dayton, Ohio, assignor to The Dayton Steel Foundry Company, Dayton, Ohio, a corporation of Ohio
Application August 13, 1934, Serial No. 739,561
2 Claims. (Cl. 301—12)



1. A metal wheel including a hub and spokes, each spoke formed at its inboard end portion with a tapered seat for an overhanging tire rim of a dual tire assembly, a turn-over support mounted in each spoke end, formed on one side with a beveled inboard seat, and a single tire rim having a gutter portion adapted to be supported on the last named seat, said turn-over supports adapted to be turned to a position to provide spacers between the dual tire rims when they are mounted on the spoke ends.

2,117,928
TAKE-UP DEVICE
Solomon A. Wardell, Cowley, Wyo.
Application June 26, 1936, Serial No. 87,515
1 Claim. (Cl. 267—73)

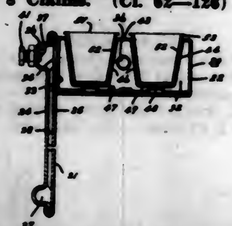


In combination, an upright support having at intervals of its height and adjacent to one of its

ends horizontally disposed keepers, a sheave casing guided and movable vertically in said support, a sheave in said casing, an elastic tensioning element connected at one end to said casing, a horizontally disposed member connected to the opposite end of said element and adapted to be selectively engaged with and held against vertical movement in one of said keepers, and a cord trained over the sheave in the casing and adapted to be taken up by retraction of the casing by said tensioning element.

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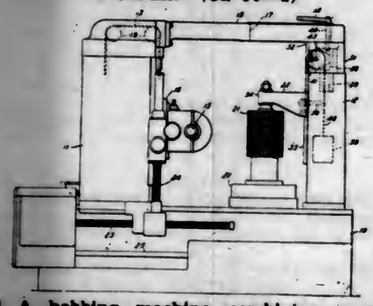
2,117,929
**REFRIGERATING APPARATUS**
William W. Watt, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 24, 1934, Serial No. 749,788
8 Claims. (Cl. 62—126)



3. An evaporator for a refrigerating system comprising walls forming an elongated substantially flat horizontally disposed refrigerant chamber therebetween having an inlet and an outlet for the circulation of refrigerant therethrough, the top wall of said chamber having a plurality of depressions therein each forming a compartment for the reception of a cup, each compartment having a closed bottom wall and side walls extending upwardly therefrom and entirely therearound, a cup removably disposed within each of said compartments and adapted to contain a substance to be congealed or frozen, and the bottom and side walls of each of said compartments being in intimate thermal contact with refrigerant adapted to be circulated through said chamber and with substantially all of the walls of said cups.

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2,117,930
**OUTBOARD SWIVEL SUPPORT**
William F. Zimmermann, Maplewood, N. J., assignor to Gould & Eberhardt, Newark, N. J., a corporation of New Jersey
Application February 9, 1935, Serial No. 5,721
4 Claims. (Cl. 90—1)



1. A hobbing machine combining a main frame; an arm projecting therefrom, said arm having a reduced terminal portion affording spaced annular bearing surfaces and an outer supporting surface; said terminal portion being hollow and having an opening in the wall thereof intermediate said spaced bearing portions; a sleeve member rotatably mounted on said annular bearing surfaces and normally seating on the end of the arm adjacent the said terminal portion, said sleeve member being of a length slightly less than the length of said terminal portion; guideways formed on said arm; similar guideways formed upon said sleeve member opposite said annular bearing surfaces and in alignment with the guideways on the said arm; an arbor journal member mounted on said arm guideways and adapted to be shifted wholly to the guideways on said sleeve member and thereafter movable bodily angularly therewith; and a tie member extending from the main frame parts of the machine and seating upon the said outer supporting surface of said terminal portion; means for clamping said tie member to said terminal portion to form a rigid outer support for said arm, said last named means operating to effect said rigid connection without interfering with the rotatable functions of said arbor journal and sleeve member on the said terminal portion of the arm; and means operating through said lateral opening in the terminal portion and connected with said arbor journal for maintaining the latter in adjusted position on said arm or said sleeve guideways.

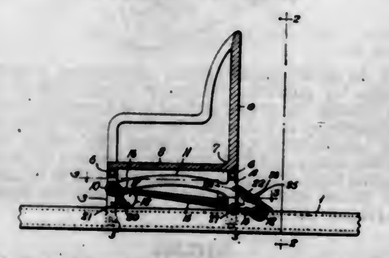
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2,117,931
**MANUFACTURE OF NITROMETHANE**
Glenn L. Allen, Jr., Antioch, Calif., assignor to Great Western Electro-Chemical Company, a corporation of California
Application March 29, 1937, Serial No. 133,620
5 Claims. (Cl. 260—144)

1. A process for the manufacture of nitromethane comprising reacting methyl bromide and an alkali nitrite at a pH between 6 and 10 to form nitromethane and the alkali bromide.

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2,117,932
**VEHICLE SEAT**
Lloyd S. Anker, Cambridge, Ohio
Application November 18, 1936, Serial No. 111,528
5 Claims. (Cl. 155—9)

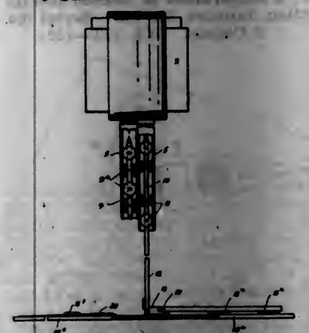


5. A seat comprising a body including a seat portion and a back, a base carrying the body and including front and rear legs, rollers journaled on the lower ends of each of the legs, a pair of channel tracks having the rollers mounted therein for movement of the seat with respect thereto, a cross bar bridging the front legs, a cross bar bridging the tracks, a resilient cord fixed to and looped about the cross bars to limit movement of the seat, cover means on the cross bars and being grooved to provide seats for the looped portions of the cord, snubbing means pivotally secured to the front legs and including teeth, spring means for holding the toothed portions of the snubbing means in engagement with the tracks to cooperate with the resilient cord to check and gradually stop movement of the seat, a foot rest in the form of a cover and pivotally secured to the base, and brackets secured to the foot rest and engageable with the bar of the track to normally hold the seat against movement.



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2,117,933
**LIQUID LEVEL GAUGE**
Leonard Bernard Bacon, East Brunswick, Victoria, Australia
Application August 15, 1936, Serial No. 96,298
In Australia August 28, 1935
9 Claims. (Cl. 73—311)

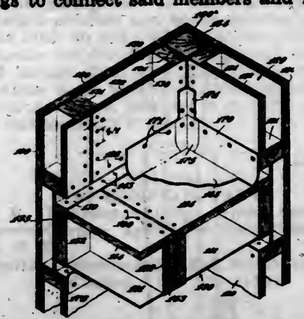


1. In combination, an indicator actuating rotary member; and means for rotating said member in either direction according to the rise and fall of liquid in a tank, said means including float mechanism and an operative connection therefrom to said rotary member, said connection including a wire depending from and operatively coupled to said rotary member, a vertical push and pull bar depending from said wire, said bar at its lower end provided with a rigid lateral foot, said float mechanism including sets of float units pivotally united to swing toward each other and to form longitudinally arranged opposite wings, one of said wings being provided with an arm joined to said foot by a transverse pivotal axis on which the float mechanism as a unit is swingable vertically.

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2,117,934
**BUILDING CONSTRUCTION**
Albert F. Bemis, Newton, Mass., assignor to Bemis Industries, Incorporated, Boston, Mass., a corporation of Delaware
Application March 20, 1936, Serial No. 69,867
9 Claims. (Cl. 20—1)

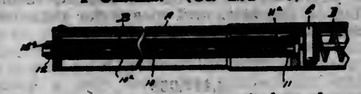
1. Building comprising horizontal and vertical structural walls separating and bounding a plurality of rooms, parallel walls having median planes spaced at integral multiples of a module M which is of the order of the structural wall thickness, said walls including rectangular wall parts with similar opposite margins, elongate jointing members each in overlapping relation with similarly shaped margins of two adjoining wall parts, certain of said members in one wall being parallel and having axial planes extending transversely of the wall which are spaced at multiples of M from each other and at multiples of ½ M from the median planes of walls parallel to said axial planes, said margins and members having registering openings spaced ½ M apart and ¼ M from the axial plane of the members, and fastening means extending through said registering openings to connect said members and margins,



other jointing members in said wall extending transversely of said first-named members, the openings in the first-named members being spaced at multiples of ¼ M from the axial planes of said transversely extending members, said multiples being integers and odd numbers.

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2,117,935
**REMOVABLE INNER BARREL FOR AIR GUNS**
Walter R. Benjamin and Theodore S. Benjamin, Granite City, Ill.
Application April 29, 1937, Serial No. 139,811
4 Claims. (Cl. 124—15)

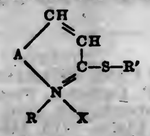


1. In an air gun having a main barrel, an inner barrel insertible into the main barrel through the muzzle thereof and removable from the main barrel, the inner barrel extending beyond the main barrel at the muzzle and having its outer end portion gradually enlarged to frictionally engage the muzzle end of the main barrel.

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2,117,936
**DERIVATIVES OF PYRIDINE AND QUINOLINE AND THEIR PREPARATION**
Leslie G. S. Brooker and Grafton H. Keyes, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application August 9, 1934, Serial No. 739,127
15 Claims. (Cl. 260—41)

1. A quaternary salt of the following formula:



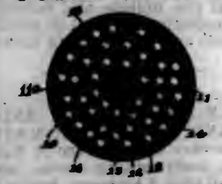
wherein A represents an organic group selected from the group consisting of vinylene and phenylene groups, R represents an alkyl group, R′ represents an aryl group containing not more than two benzene rings, the S being directly attached to a benezene ring of said aryl group, and X represents an acid radical.

2,117,937
**KNIFE SHEATH**
Byrd Brownell, Ely, Minn.
Application September 20, 1937, Serial No. 164,775
1 Claim. (Cl. 224—8)



A knife sheath comprising a body providing a pocket for the blade of a knife, a tongue formed on the body and rising therefrom, said tongue having spaced parallel slots extending longitudinally therein, means including a loop extending through the slots for adjustment with respect to the tongue for receiving and gripping the handle of the knife, and a substantially arrowhead shaped flap formed on the means and having spaced parallel slots therein to receive the belt of the wearer of the sheath for slidably securing the flap to the belt, and means for detachably securing the flap to the tongue.

2,117,938
**SHOT FOR ATHLETIC USES**
Harry W. Campbell, Los Angeles, Calif.
Application July 10, 1936, Serial No. 89,991
4 Claims. (Cl. 272—59)



1. In a shot for athletic use a pliable resilient spherical composite element formed of a body of resilient material having embedded therein in close spaced relation and throughout the space thereof spherical metallic members of different diameters, and a covering completely enclosing said element.

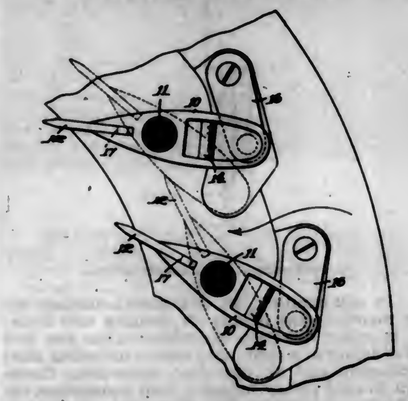
2,117,939
**GLASS PANE HOLDING DEVICE**
James F. Campion, Freeport, N. Y.
Application November 10, 1936, Serial No. 110,173
1 Claim. (Cl. 189—78)

Means for securing panes of glass to a frame comprising spaced bars, said bars having a cross piece and a rib member, pin members on the rib member projecting at opposite sides thereof, said pin members having reduced shanks and terminating in head members, said reduced shanks being spaced a distance apart greater than the width of the rib member, an angle plate slidably engaged on the reduced portion of each shank and each angle plate having a portion disposed in



a plane parallel to the cross member but spaced therefrom for reception of a pane of glass therebetween.

2,117,940
**WICKET GATE**
John S. Carpenter, Orange, Mass., assignor to Rodney Hunt Machine Company, Orange, Mass., a corporation of Massachusetts
Application January 30, 1937, Serial No. 123,269
2 Claims. (Cl. 253—122)



1. As an article of manufacture, a wicket gate comprising a body of cast metal, a gate pin on which the said body is pivoted, and a central tongue of spring metal projecting beyond the end of the gate proper and constituting an operating end of the wicket gate, for the purpose described.

2,117,941
**CURTAIN AND DRAPERY FIXTURE**
Thomas Castello, Clifton, N. J.
Application January 27, 1933, Serial No. 187,303
3 Claims. (Cl. 156—19)



1. A fixture of the class described comprising a pair of sections, upper and lower longitudinal guide flanges on the inner end portion of one of the sections slidably engaged with the inner end portion of the other of said sections for slidably connecting said sections, hooks on the outer ends of the sections engageable with the sides of a window frame, a spring connected to the sections for clamping the hooks on the window frame, a vertical plate including a hook on its lower end engaged with the uppermost guide flange, and a bracket on said plate engageable on top of the window frame for supporting the inner ends of the sections thereon.

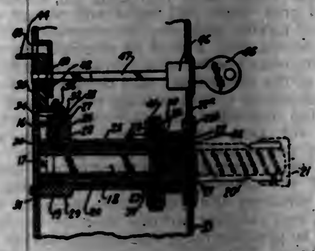


2,117,943
**THERMOMETER**
John L. Chaney, Springfield, Ohio, assignor of one-half to Lee F. Chaney, Springfield, Ohio
Application February 15, 1937, Serial No. 125,754
1 Claim. (Cl. 73—374)



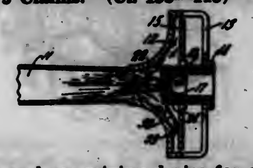
In a thermometer, an outer open-ended casing, a cap for each end of said casing, a tie rod extending through said casing to clamp said caps in position, a flat scale member and a thermometer to be attached thereto located in said casing and being substantially as long as said casing, said scale member having each end thereof bent at an obtuse angle thereto to provide tongues for frictionally engaging the interior wall of said casing to hold said scale member and thermometer tube in position therein, each of said tongues having an aperture to accommodate said tie rod.

2,117,943
**VEHICLE DOOR LATCH HANDLE STRUCTURE**
Lake E. Climer, Toledo, Ohio
Application December 5, 1936, Serial No. 114,408
3 Claims. (Cl. 70—238)



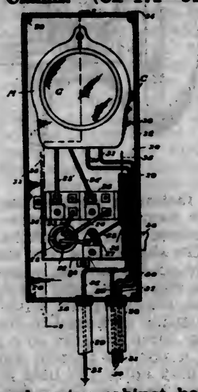
1. A handle structure for a vehicle door latch comprising a stationary bearing sleeve, an axially movable tubular handle shaft fitting said bearing sleeve, a handle on the outer end of said shaft, manually releasable means carried by said bearing sleeve for holding said handle shaft in its inward position, said releasable means comprising a spring pressed dog and an annular groove in said handle shaft to receive said dog, a latch operating shaft fitting inside of said handle shaft, said operating shaft being rotatable with said handle shaft and enabling longitudinal movement of the handle shaft relative thereto, spring means urging the handle shaft outwardly of said bearing sleeve, spring pressed bearing elements carried by said bearing sleeve and engageable in said annular groove for holding said shaft in its outward position and being automatically releasable upon an inward push on the handle, and stop means for limiting the outward movement of said handle shaft at such point as to enable said handle shaft to have substantial bearing in said bearing sleeve, thereby to prevent wabbling of the handle when in use.

2,117,944
**GAS CONTROL VALVE**
Adam B. Cochrane, Elyria, Ohio, assignor to Roberts-Gordon Appliance Corporation, Buffalo, N. Y.
Application November 29, 1933, Serial No. 700,213
3 Claims. (Cl. 158—118)



1. An air and gas mixing device for gas burners, including a mixing tube having an enlarged air receiving end and a portion of smaller cross sectional area adjacent thereto, a gas discharge passage spaced from said mixing tube for conducting gas to said mixing device, a plate adjustable toward and from said air receiving end to control the amount of air entering the mixing tube, a gas control orifice arranged on the discharge end of said gas passage, and means for adjusting said orifice to control the discharge of gas to said mixing tube, said adjusting means including a part extending outwardly into the space between the edge portions of said air receiving end and said plate and frictionally connected with said adjusting means.

2,117,945
**METER CABINET**
Jacob B. Cooper, Park Ridge, N. J.
Application May 12, 1937, Serial No. 142,318
6 Claims. (Cl. 171—94)

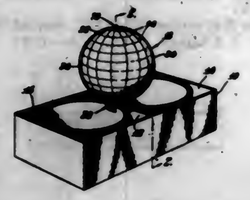


4. In a closed meter cabinet having a meter therein, feed wires of the supply circuit extending into the cabinet to the meter, load wires of

the circuit extending from the meter to a conduit opening through a wall of the cabinet remote from said feed wires and barrier means in the cabinet interposed between and removed from said feed wires and the load wire conduit to prevent contacting said feed wires by insertion of an instrumentality into the cabinet through said load wire conduit.

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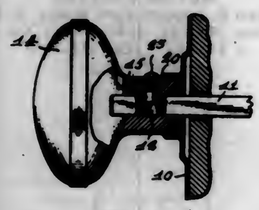
2,117,946
**SPHERICAL BOOK**
John A. Cresswell and Charles H. Leavell, Chicago, Ill.
Application February 8, 1937, Serial No. 124,769
9 Claims. (Cl. 35—46)



1. A spherical book comprising a support, a first sphere mounted on said support, a second sphere enveloping the first sphere, said second sphere comprising complementary sections, and a hinge connection between the complementary sections and said support, said sections being movable away from each other about the axis of the hinge for uncovering the first sphere.

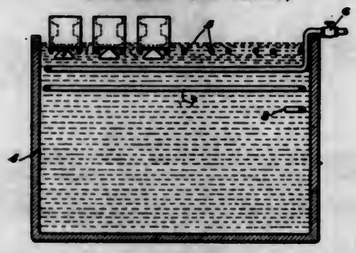
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2,117,947
**KNOB FASTENING DEVICE**
Jean Jules De Rome and Leo R. Trepanier, Quebec, Quebec, Canada
Application October 22, 1936, Serial No. 107,046
1 Claim. (Cl. 292—352)




In a knob fastening device, the combination with a spindle having a transverse hole therein and a knob formed with a shank having a transverse bore in the shank, of a core slidably mounted in the bore of the shank, a stem extending from the inner end of the core through a reduced opening in the shank at the outer end portion of the bore, a spring arranged in the bore adapted to yieldingly force the core to a projected position so that a portion thereof extends beyond the bore and may enter the hole in the spindle, and an enlarged head on the outer extremity of the stem whereby the core may be retracted to a position fully within the bore.

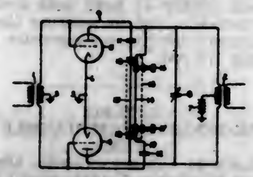
2,117,948
**PROCESS OF MAKING CASTINGS**
John Flammang and Percy L. Bowser, University City, and Herman Ernst, Pine Lawn, Mo., assignors to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware
Application November 6, 1935, Serial No. 48,466
4 Claims. (Cl. 148—3)



1. The process of making a piston casting having a massive head and a thin skirt, comprising, forming the casting in a mold, removing the casting from the mold after it has solidified, and quenching the head portion of the still-hot casting while the skirt portion is permitted to cool gradually.

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2,117,949
**AMPLIFIER NEUTRALIZING SYSTEM**
George W. Fyler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 22, 1935, Serial No. 27,899
6 Claims. (Cl. 179—171)



1. An amplifier comprising a pair of electron discharge tubes each including an anode and a control grid, push-pull input and output circuits therefor having capacity therebetween requiring to be neutralized, a pair of neutralizing circuits each connected between a grid of one tube and an anode of the other tube, said neutralizing circuits each including a neutralizing capacitance means providing approximately the reactance value required for said neutralization, a pair of conductors connected respectively in each of said neutralizing circuits, said conductors being arranged in adjustable inductive relation, and means whereby the inductance included in each of said neutralizing circuits may be varied sufficiently to produce complete neutralization of said capacity.

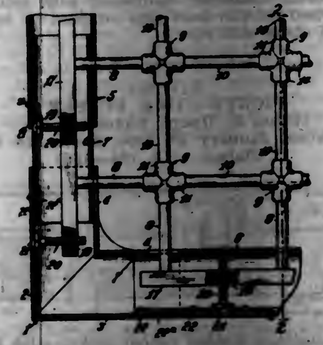
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2,117,950
**KNOCK-DOWN WINDOW GUARD STRUCTURE**
Milo S. Gibson, Chicago, Ill., assignor to Rudolph W. Lotz, Chicago, Ill., and himself
Application June 29, 1936, Serial No. 87,925
26 Claims. (Cl. 20—71)

25. A structure of the type defined comprising a marginal frame, a knockdown grill structure disposed within the area bordered by said frame,



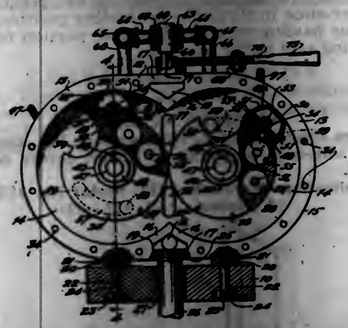
and means within the frame engaged with the latter and with the grill structure for preventing



knockdown of the latter and maintaining it in a predetermined position relatively to said frame.

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2,117,951
**ROTARY STEAM ENGINE**
Russell P. Glenn, Abilene, Tex.
Application April 2, 1937, Serial No. 134,627
5 Claims. (Cl. 121—70)



1. In a rotary engine, an elongated cylinder-body providing a pair of segmento-cylindrical chambers open at each end and merging into each other at the vertical median of said body, heads on said body for closing the ends of said chambers, said heads and body having coacting means to provide an exhaust channel below the point of mergence of said chambers, rotors revolubly mounted in said chambers and each having a peripheral pocket and a radially projecting piston adjacent each pocket, each of said heads having an upper and a lower primary and an upper and a lower auxiliary intake for each chamber within the annular area traversed by a pocket, steam supply lines opening into said intakes, a controlling valve common to said lines, each of said heads being formed with an upper and a lower exhaust port disposed in alignment with the point of mergence of said chambers, each of said heads at its vertical median being provided with a vertically disposed valve chamber permanently opening into said channel, a controllable tubular exhaust controlling valve within each valve chamber closed at its top, open at its bottom and formed with upper and lower ports disposed at an angle for selective registry with the exhaust ports in a head, and oppositely shiftable means for selectively controlling the direction of the drive of the engine, the said oppositely shiftable means being connected with the several valves for simultaneously shifting them in a like direction.

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2,117,952
**INHALING EQUIPMENT**
Charles Edouard Pierre Gourdou, Le Parc Saint-Maur, France
Application December 19, 1935, Serial No. 55,278
1 Claim. (Cl. 128—202)



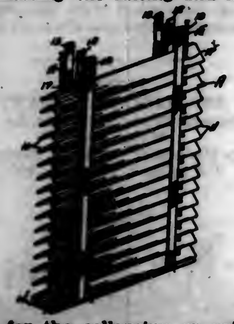
In an inhaling equipment of the type described, the combination with an oxygen cylinder under pressure, a breathing mask, an exhaling tube mounted at one end on the said mask, a wall bounding a chamber communicating directly with the exterior and terminating the said exhaling tube, a pressure reducer for reducing the oxygen to a pressure lower than that of the cylinder, a distributor for automatically modifying the supply of oxygen relatively to the external pressure prevailing around the mask, the oxygen being admitted to the said mask, a tube communicating between the mask and the distributor, an intermediate member provided with conduits permitting the pressure reducer to communicate with the distributor, and the cylinder with the pressure reducer and with the distributor, a pointed screw terminating with a needle point in said intermediate member and adapted to be manually displaceable for controlling the said conduits and permitting the direct admission of oxygen to the distributor, means for securing the intermediate member to the cylinder and for securing the pressure reducer as well as the distributor to said intermediate member, an olive-shaped metal tube rigid with the distributor and on which is secured said exhaling tube communicating with the mask, an adjustable rod, said rod being mounted with play in the interior of said olive-shaped metal tube and made of a metal having a coefficient of expansion much lower than that of the metal of the said olive-shaped tube so that the section of the conduit for the oxygen passing into the said olive-shaped tube is modified relatively to the temperature for maintaining a supply of oxygen independent of the atmospheric temperature.

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2,117,953
**ADJUSTABLE LOUVER BLIND**
Pedro Grau, Miami, Fla.
Application January 16, 1937, Serial No. 121,009
3 Claims. (Cl. 156—17)

1. In a blind, the combination of a plurality of columnar series of louvers, intermediate and outer bands disposed between and outside of said louvers, a saddling board connected with the outer bands, slope boards hinged to each other and connected to the intermediate and outer

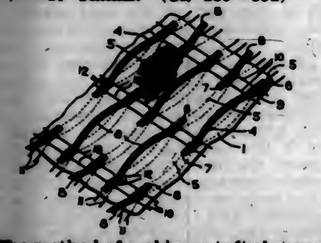
bands, and means connected with the saddling board for effecting the raising and lowering of



the louvers for the collapsing or extending of said blind.

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2,117,954
**TUFTED FABRIC AND METHOD OF MAKING THE SAME**
Kendall T. Greenwood, Sanford, Maine, assignor to Goodall Worsted Company, Sanford, Maine, a corporation of Maine
Application December 24, 1936, Serial No. 117,455
17 Claims. (Cl. 139—391)



1. The method of making a tufted woven fabric which consists in initially weaving the fabric with a group of parallel threads having a part woven into the fabric and a section floating on the surface of the fabric and with an end portion of the floating section held in position by a binder thread, severing the threads of the floating section and then removing the binder thread, thereby to free said end portion which then constitutes a tuft.

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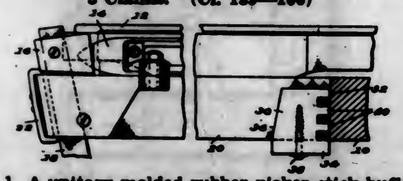
2,117,955
**TUBULAR CONNECTER**
Lucien L. Haas, Buffalo, N. Y., assignor to Buffalo Pressed Steel Company, Buffalo, N. Y.
Application October 12, 1936, Serial No. 105,161
6 Claims. (Cl. 285—196)



1. A tubular connecter for connecting a pipe with a duct having a slitted end adapted to be contracted, said connecter including a substantially imperforate tubular part adapted to be inserted into said duct and having a lug arranged to enter into the slitted part of said duct, means for contracting said slitted end about said tubular part and engaging said lug to hold said tubular part in place in said duct, and a tubular part of different diameter connected with said first mentioned tubular part and adapted to be contracted about said pipe.

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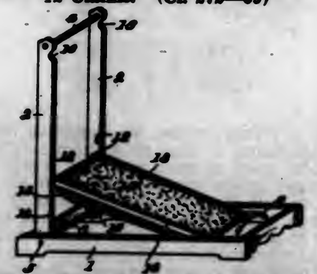
2,117,956
**PICKER-STICK BUFFER**
Milton R. Haupt, Shamokin, Pa.
Application January 29, 1936, Serial No. 61,415
5 Claims. (Cl. 139—166)



1. A unitary molded rubber picker-stick buffer for looms comprising a base portion adapted to be secured to the underside of a lay, a body portion extending substantially perpendicularly from said base portion and adapted to lie in the path of a picker-stick within a lay slot, said body portion comprising an inner substantially vertical face adapted to contact a lay portion, a picker-stick contacting face inclined rearwardly with respect to said first mentioned face and in a plane substantially parallel to the plane of a picker-stick in its buffer contacting position, and means passing through said base portion for attaching said buffer to a lay.

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2,117,957
**EXERCISING DEVICE**
Hayes Francis Heller, Williamsport, Pa., assignor of one-half to Harry C. Ritter, Jersey Shore, Pa.
Application March 5, 1937, Serial No. 129,269
12 Claims. (Cl. 272—69)



1. An exercising device of the kind described comprising a base frame, a supporting frame pivotally mounted on said base frame, a support slidably mounted in said base frame and adjustably mounted within said supporting frame and an endless belt arranged around said support.
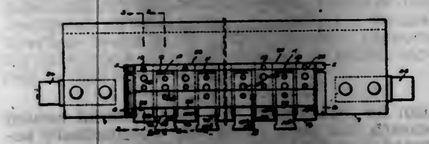
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2,117,958
**STRIPPER FOR DRUM DRIERS**
Herbert T. Hershey, Philadelphia, Pa., assignor to Procter & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application March 21, 1936, Serial No. 70,155
6 Claims. (Cl. 83—91)

1. A device for stripping material from the face of a roll, comprising a plurality of separate stripping blades arranged side by side across the face



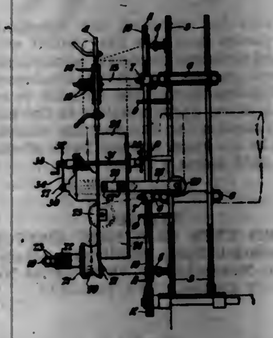
of the roll and divided into two series with roll scraping edges at the one end of each of the blades of the first series arranged to engage the face of the roll in advance of the corresponding roll scraping edges of the second series circumferentially of the roll, a common rigid carrier for said series of blades, said carrier having a flat planar bearing surface against which one face of each of said blades rests, a clamp plate extending longitudinally of the carrier in contact with the opposite face of each blade, a clamp screw



extending through an opening in each blade and securing the clamp plate to the carrier at each blade with the blade clamped therebetween, and a shoulder on the carrier and extending outwardly from said blade bearing surface and engaged by the opposite end of each blade to resist longitudinal thrust of each blade, the shoulders for the first series of blades being arranged in staggered relation to the shoulders for the second series of blades in accordance with the corresponding staggered relation of the roll scraping edges of the blades of the two series respectively.

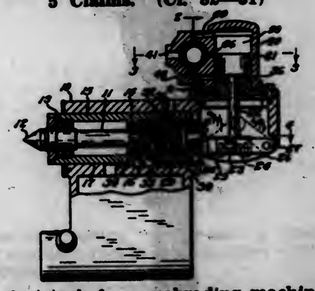
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2,117,959
**CABLE WRAPPING MACHINE**
Harry Clyde Hunter, Chicago, Ill., assignor to American Bridge Company, a corporation of New Jersey
Application September 20, 1937, Serial No. 164,826
9 Claims. (Cl. 117—37)



1. A machine for wrapping cables comprising means for holding said machine on a cable, a revolving member adapted to revolve about the cable, means on said member for holding a supply of wrapping material, means carried by said member for guiding and tensioning the material while wrapping the same, means carried by said member for automatically guiding and laying each successive wrapping of the material into close uniform proximity with the previous wrapping around said cable, and means for moving said guiding and laying means intermittently a distance equal substantially to the diameter of the wire on each complete revolution of said revolving member.

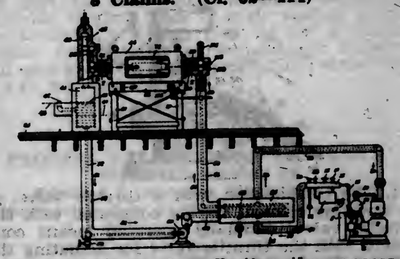
2,117,960
**FOOTSTOCK FOR CAM LAPPING MACHINES**
Herbert S. Indge and George E. Hulbert, Westboro, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Original application August 21, 1936, Serial No. 97,232. Divided and this application May 27, 1937, Serial No. 145,074
5 Claims. (Cl. 82—31)



1. A footstock for an abrading machine comprising a footstock frame, a movable footstock center, a slidable sleeve supporting said center, a fluid pressure piston and cylinder, said cylinder being fixedly mounted on said steadyrest frame, a pair of toggle levers which are operated by said piston to move said sleeve and center to and from an operating position, and a control valve which is fixedly supported on the steadyrest frame to admit fluid under pressure to move the footstock center either toward or from an operating position.

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2,117,961
**APPARATUS FOR TRANSFER OF HEAT**
Edward G. Jay, Mansfield, Mass.
Application October 12, 1935, Serial No. 44,704
8 Claims. (Cl. 62—114)



1. In apparatus for effecting the process of transfer of heat between said apparatus and articles contained therein to be treated, means providing for a circulating medium thru said apparatus, and hydrostatically actuated means producing positive contact between said articles and an adjacent wall of the apparatus during said heat transfer.

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2,117,962
**UTILITY DOLL**
Ewald Johnsen, Detroit, Mich.
Application February 24, 1936, Serial No. 65,507
1 Claim. (Cl. 46—156)

A doll comprising an elongated flat strip, a reduced neck at one end of the strip, a rounded head extending upwardly of the neck, said head having facial features disposed on one side thereof, a laterally extending pin adjacent the lower

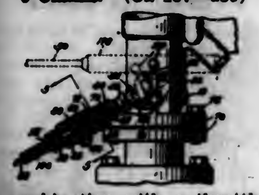
end of the head, means securing said pin to said head, a dish mop having a handle and a swab, said handle engaging against strip and said swab extending upwardly and being draped about said head, a towel wrapped spirally about said strip and said handle and forming the body and the shoulders at the upper end of said strip, a wash cloth draped about the upper end of the



towel to simulate a cape, a pot holder secured to and depending from the wash cloth to simulate an apron, and a second pot holder engaging about said swab and said head, said pin having the end portions thereof projecting through said second pot holder and bent rearwardly to snugly draw the swab and the second pot holder about said neck.

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**2,117,963**
**SPEED CONTROL**
**Robert J. Kalbreier, Chicago, Ill.**
**Application August 6, 1936, Serial No. 94,664**
**6 Claims. (Cl. 137—139)**

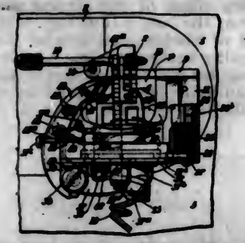


1. The combination with a throttle valve, of an abutting element fixedly connected with the throttle valve, manually operated means connected with the throttle valve for actuating the same, a fixed guide member, an abutment slidably related to said guide member and arranged in the path of said abutting element, to limit the opening adjustment of the throttle valve, manually actuated means for shifting the abutment, and a screw connection between the abutment and said manually actuated means.

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**2,117,964**
**LOOP-FORMING AND ATTACHING DEVICE**
**John D. Karle, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey**
**Application May 13, 1936, Serial No. 79,430**
**23 Claims. (Cl. 112—9)**

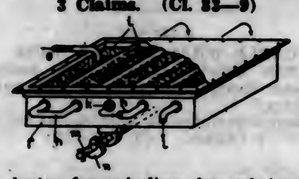
1. An attachment for sewing machines comprising a main frame adapted to be secured to the presser-bar of the machine, an arbor carried thereby, means carried by said main frame and actuated by the reciprocations of the needle-bar for winding loops of yarn about said arbor and for presenting said loops to the stitching mecha-



nism for attachment to a base material located beneath said main frame, and automatically actuated means for severing one end of said loops after they have been stitched to the base material.

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**2,117,965**
**GRINDING DEVICE**
**Siegfried Kienzle, Frankfort-on-the-Main-Hochst, and Walther Mejer, Bad Soden, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany**
**Application June 18, 1934, Serial No. 731,172**
**In Germany July 1, 1933**
**3 Claims. (Cl. 83—9)**



1. A device for grinding dry substances, suspensions, pastes and the like mixed with hard, fine-grained grinding elements comprising a horizontal vessel, means for elastically mounting the vessel permitting movement thereof in every direction in a plane perpendicular to the axis of the vessel, and means for causing the vessel rapidly to vibrate in a closed curved path of small amplitude in said plane.

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**2,117,966**
**CORD-TYPE ELECTRIC SWITCH**
**Frederick Lobl, Middlebere, Mass.**
**Application November 21, 1935, Serial No. 50,911**
**7 Claims. (Cl. 200—11)**



1. An electric switch comprising a supporting plate, a plurality of stationary contact members carried thereby and arranged in an arcuate series in a group, another stationary contact member carried by said plate remote from said group, a pivot pin in said plate, a movable switch member on said pin consisting of two divergent resilient arms extended laterally of said pivot pin on the



same side thereof one cooperating with said group of contact members and the other cooperating only with said other contact member, an actuating plate pivoted on said pivot pin and disposed between said supporting plate and switch member, one of said arms having a perforation therethrough, and said actuating plate having a switch operating shank at the end thereof which upstands through said perforation and connects said actuating plate and switch member for conjoint angular movement, said perforated arm and said shank being loose in the direction of resilient movement of said arm whereby to admit of free movement of said switch member in a vertical direction toward and away from said supporting plate, and a manually-engageable handle carried by said shank above said arm.

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**2,117,967**
**ELECTRIC HEAD LAMP**
**Albin Leipold and August Boehm, Rochester, N. Y.**
**Application August 1, 1934, Serial No. 737,957**
**3 Claims. (Cl. 240—59)**

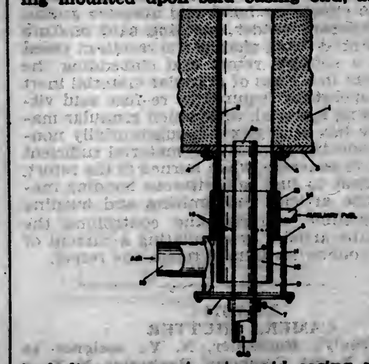


1. In a head lamp of the class described the combination of a swivelling lamp socket and a swivel socket having a central spring pressed contact retaining said lamp socket in swivelling relation, said swivel socket having a portion of its peripheral edge cut away so as to allow said lamp socket to swivel therein to a greater degree than at other points of its periphery not so cut away, concavo spherical means with an arcuate concavo spherical projection cooperating with the spring pressed contact in all swivel positions, supporting means for said lamp socket, swivel socket, and last mentioned means, and electrical connections to form an electric lamp circuit with a source of electricity.

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**2,117,968**
**GAS BURNER**
**Otto Lutherer, Cleveland, Ohio, assignor to The North American Manufacturing Company, Cleveland, Ohio, a corporation of Ohio**
**Application April 25, 1934, Serial No. 722,339**
**5 Claims. (Cl. 158—110)**

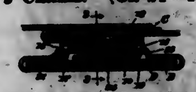
1. In a gas burner of the class described, pipe means arranged to deliver fuel at one end, casing means arranged to provide a chamber about said pipe means, with an end opening in the direction of flow in the pipe means and with its opposite end closed, said casing having a lateral air inlet adjacent its closed end, annular baffle means arranged opposite said inlet, with an end opening in the direction of the closed casing end but short of the latter, said pipe means being mounted upon said casing end, and means



including an opening in said casing means for feeding auxiliary fuel to said chamber about said pipe means.

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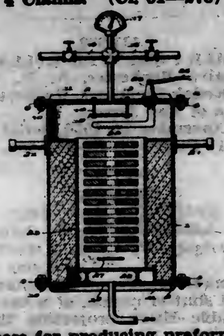
**2,117,969**
**TIE HOLDER**
**John McCracken, Burgettstown, Pa.**
**Application August 31, 1936, Serial No. 98,801**
**9 Claims. (Cl. 24—49)**



1. A tie holder of the class described comprising a shirt-clamping means having spaced apertured ears, a tie-encircling loop having eye portions pivotally engaging said ears whereby said loop may have up and down swinging movement, the weight of the loop causing the loop to hang flat against the tie and hold the tie flat against the shirt, the loop also constituting means for retaining the free ends of a tie against lateral displacement, and said loop having a spaced parallel finger spanning the distance between said ears and adapted to retain the narrow end of a tie between the ears.

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**2,117,970**
**PROCESS FOR MAKING PREFORMED ABRASIVE ARTICLES**
**Edmund S. Merriam, Marietta, Ohio**
**Application July 21, 1936, Serial No. 91,739**
**4 Claims. (Cl. 51—278)**



1. A process for producing preformed abrasive articles comprising mixing suitable abrasive

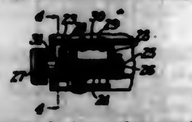
grains, a previously fused vitreous bonding material in finely divided form capable upon being re-fused to effectively bond said abrasive grains, and a temporary binder, molding said mixture into the desired form, placing the resultant green article in a suitable retort and embedding the same therein in a mass of granular material inert at the temperature required to re-fuse said vitreous bonding material, with which granular material there has been mixed a substantially non-residue producing combustible material sufficient in amount to generate, when burned in the retort, adequate heat to fuse said vitreous bonding material in the article, and igniting and burning said combustible material and controlling the cooling of the articles by circulating a current of a gaseous cooling medium through the retort.

2,117,971
**CAMERA SHUTTER**
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 30, 1936, Serial No. 108,396
20 Claims. (Cl. 95—63)



1. In a shutter for folding cameras including a camera body, the combination with a camera front adapted to support an objective, means for moving the front to and from a picture taking position, a casing hingedly attached to the camera body movable to and from a picture taking position, a two part shutter, one part carried by the front and including a shutter leaf structure, another part carried by the casing and including a power drive, and elements on the power drive and shutter leaf structure so positioned as to be brought into operative relationship for driving the latter from the former when the folding camera parts are in a picture taking position.

2,117,972
**CAMERA SHUTTER RELEASE**
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 28, 1936, Serial No. 113,199
11 Claims. (Cl. 95—53)



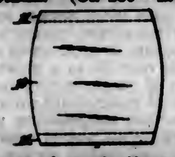
1. In a camera shutter, the combination with an apertured shutter casing, of a torsionally resilient rotatable shaft projecting through the aperture, means on the end of the resilient shaft outside of the casing for turning the shaft, and mechanism inside of the shutter casing with which the shaft is adapted to cooperate for operating the shutter.

2,117,973
**MUFFLER**
Walter J. Miecwicz and Francis J. Kaminski, Worcester, Mass.
Application March 30, 1936, Serial No. 71,786
2 Claims. (Cl. 2—91)



1. A combined neck muffler and chest protector comprising a band of fabric material adapted to be wound around the neck to form a collar with its ends in overlapping relation, a chest protector flap of fabric material having its upper edge portion secured to the inner face of said band adjacent one side edge of said band, the outer edge of said flap being substantially in line with said adjacent end edge of the band, fastening elements secured to said band along the opposite end edge of the band, and cooperating fastening elements secured to said band at a point located inwardly from said adjacent end edge of the band and inwardly of the longitudinal medial line of the flap, whereby when the fastening elements are in operative position the ends of the band will be disposed in overlapped relation and the flap will extend downwardly from and at right angles to said overlapped ends of the band.

2,117,974
**TUBULAR WOVEN ELASTIC GARMENT**
John V. Moore, Pawtucket, R. I., assignor to Moore Fabric Company, Pawtucket, R. I., a corporation of Rhode Island
Application July 13, 1935, Serial No. 31,156
1 Claim. (Cl. 139—421)

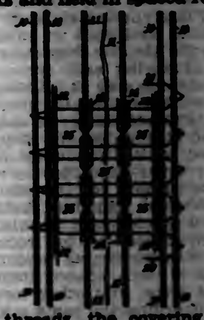


A one-piece seamless elastic garment woven tubularly and integrally and containing both elastic warp threads and elastic weft threads, said garment having a body portion firmly resistant to weft-wise stretch circumferentially but readily stretchable warp-wise longitudinally, and having upper and lower circumferential edge portions less resistant to circumferential weft-wise stretch than said body portion and formed with less strongly contractive elastic weft threads than said body portion.

2,117,975
**ELASTIC FABRIC**
John V. Moore, Pawtucket, R. I., assignor to Moore Fabric Company, Pawtucket, R. I., a corporation of Rhode Island
Application November 9, 1936, Serial No. 109,950
1 Claim. (Cl. 139—421)

An elastic fabric comprising elastic warp threads, leno warp threads, and covered non-elastic weft yarn inserted in said fabric in spaced pairs of picks and held in spaced relation by said





leno warp threads, the covering of said weft yarn providing increased transverse stiffness for said fabric.

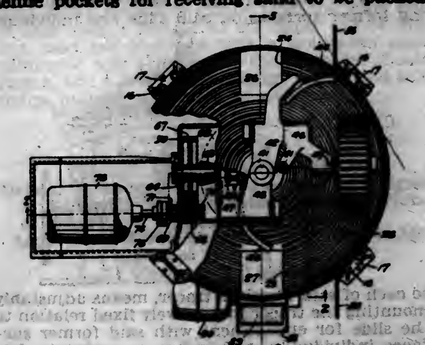
2,117,976
**POCKET LIGHTER AND FLASHLIGHT**
Wilbert Lewis Morris, Washington, D. C.
Application January 26, 1937, Serial No. 122,429
2 Claims. (Cl. 219—33)



1. A current generating device for flash lights and lighters, comprising a casing, a spring pressed cover for said casing, a generator mounted in said casing, a gear train for actuating the generator, manual means for putting the gear train in motion and including a normally horizontally arranged spring pressed handled lever guided in said casing for reciprocatory movement and extending through the casing for disposal of its handle exteriorly thereof, latching means for the cover and automatically operable upon closing of the cover to hold the latter in closed position, said latching means carried by the cover and lever respectively for releasing the cover for movement thereof in open position by its spring upon initial movement of the lever, parallel rack bars depending from the lever, and said gear train including pawl and ratchet means actuated by the rack bar to apply constant uninterrupted power through the train to the generator during movement of the lever.

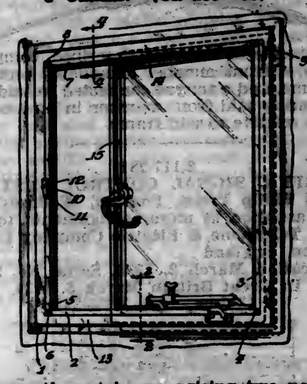
2,117,977
**SAND MULLING MACHINE**
William H. Nicholls, Sr., deceased, late of Roslyn, N. Y., by William H. Nicholls, Jr., administrator, Roslyn, N. Y., assignor to National Engineering Company, Chicago, Ill., a corporation of Illinois
Application June 9, 1937, Serial No. 147,226
15 Claims. (Cl. 22—90)

1. A sand mulling machine comprising a mulling basin having a side wall and a bottom provided with a discharge door, said basin being adapted to be charged with sand, a plurality of rollers mounted in said basin for travel over the bottom thereof, said bottom being recessed to define pockets for receiving sand to be packed



by the action of the rollers whereby the sand within the recesses will be compacted and will project above the bottom and constitute means for maintaining loose sand in a stationary condition between said pockets.

2,117,978
**WEATHER-STRIP**
Philip E. Oftedal, Chicago, Ill.
Application January 17, 1935, Serial No. 2,175
2 Claims. (Cl. 189—65)

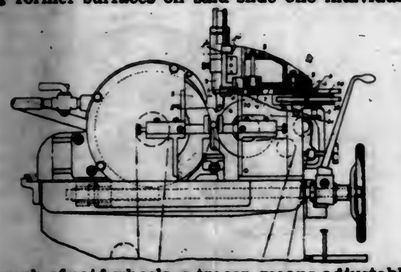


1. A weather strip comprising two nested U-shaped members formed of a single piece of resilient metal bent upon itself, the inner U-shaped portion of said nested U-shaped member adapted to engage a part of the window on which the weather strip is to be mounted, the outer U-shaped portion having one side thereof extending outwardly from the adjacent side of the inner U-shaped portion for frictional contact with a window sash or frame.

2,117,979
**GRINDING MACHINE**
William Ogilvie, Knowle, England, assignor to B. S. A. Tools Limited, Birmingham, England, a British company
Application April 4, 1936, Serial No. 72,785
In Great Britain April 13, 1935
2 Claims. (Cl. 125—11)

1. In combination with a grinding machine having a grinding wheel and an associated control

wheel, a truing device for said wheels, a slide reciprocable transversely with respect to the periphery of said wheels, means to adjustably mount and position said truing device on said slide to coact with either of said wheels, means providing former surfaces on said slide one individual



to each of said wheels, a tracer, means adjustably mounting the tracer in relatively fixed relation to the slide for engagement with said former surfaces individually, and means to maintain following contact of the tracer with the adjacent former surface during movement of the slide.

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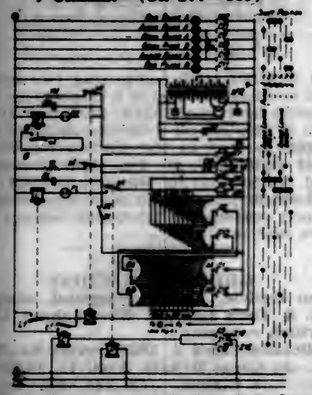
2,117,960
BUCKLE
Charles H. Phillips, Richmond, Va.
Application July 6, 1937, Serial No. 152,183
4 Claims. (Cl. 24—170)



1. A buckle of the class described, comprising, a frame, a front member detachably secured to said frame, and a tongue connected to said frame and securing said front member in an assembled position relative to said frame.

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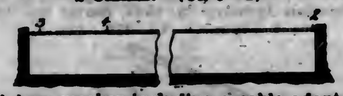
2,117,961
TRAFFIC SIGNAL CONTROL SYSTEM
Thomas Philip Preist, Poulton, Wallasey, England, assignor, by mesne assignments, to Automatic Telephone & Electric Company Limited, London, England
Application March 2, 1935, Serial No. 9,023
In Great Britain March 8, 1934
7 Claims. (Cl. 177—339)



1. In a traffic signal control system for a plurality of intersections of cross traffic lanes with a common main lane, the combination of a right of way controller at each intersection for cyclically according and interrupting right of way on the intersecting lanes and each of said controllers including a cyclic step by step mechanism, and a device for advancing said cyclic mechanism through its cycle one step at a time, said device comprising a condenser, means operable responsive to a predetermined charge on said condenser to advance said mechanism one step and means when connected to said condenser for charging same, a master timer connected to each of said right of way controllers for transmitting to the controllers electrical impulses having certain time length and spacing, and impulse responsive means in each controller for connecting the charging means to the timing condenser thereat for the length of each spaced impulse during certain of said steps, and other means in said controller for charging the same said condenser in other of said steps in said cycle.

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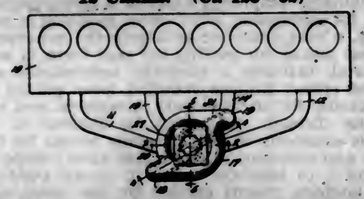
2,117,962
LANE MARKER
Leon M. Prince, Jr., New York, N. Y.
Application September 14, 1935, Serial No. 40,570
2 Claims. (Cl. 9—1)



1. A lane marker including a cable adapted to be attached to one end of a tank, a spring on one end of the cable and adapted to attach the cable to the other end of the tank, and a series of buoyant bodies surrounding said cable and presenting a smooth surface from end to end of the cable and sufficiently buoyant to support the cable in water and of a size sufficient to prevent sidewash between the lanes.

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2,117,963
INTERNAL COMBUSTION ENGINE
Elliott G. Reid, Palo Alto, Calif.
Application November 29, 1935, Serial No. 52,224
13 Claims. (Cl. 123—52)



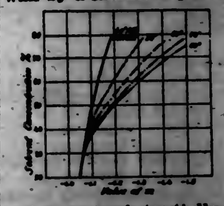
1. The combination with a multi-cylinder internal combustion engine of an inlet manifold comprising a toroidal chamber adapted to receive a mixture of fuel and air and to guide the same along a closed unrestricted path, means for delivering a fuel-air mixture into said chamber in a direction to cause movement of the mixture along said path, and conduits for leading streams of said mixture from said chamber to the engine cylinders.

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2,117,964
METHOD OF REFINING WAX
Thomas S. Richardson and Percy L. Smith, Beaumont, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application July 22, 1935, Serial No. 32,712
3 Claims. (Cl. 196—18)

2. A process for producing a refined paraffin wax of predetermined melting point and of uniformly high tensile strength containing only traces of oil from an oily slack wax product containing a predominant amount of wax which comprises selecting a particular petroleum hydrocarbon solvent having a gravity between about 40° A. P. I. and about 80° A. P. I., selecting a particular amount of said solvent between about one-fifth part and about four parts, adding the selected amount of the selected solvent to the slack wax product and dissolving the slack wax therein, selecting a desired melting point for the crude wax to be produced from the slack wax, cooling the wax-solvent solution to a temperature not substantially different from that of the press temperature as hereinafter determined until wax of the selected melting point crystallizes therefrom, recovering the crystallized wax to obtain the crude wax by a filtration process carried out





at a temperature not substantially different from that required to give approximately the selected melting point by the following equation:

$$MP - 108.7 \doteq PT\frac{(1+m)}{m} - \frac{18}{m}$$

wherein MP represents the particular melting point selected for the crude wax, PT represents the press or filtration temperature, and $m$ represents a constant which is given in the graph of Fig. 8 in the drawings as the abscissa of the curve of the particularly selected solvent at the point where the ordinate is the particularly selected amount of the selected solvent added to the slack wax, and then subjecting the crude wax so produced to the same treatment as outlined above for the slack wax whereby the desired refined wax is obtained.

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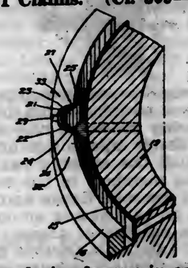
2,117,965
SOIL-PLASTICITY TESTING APPARATUS
Ralph O. Eidemoor, Los Angeles, Calif., assignor of one-half to Ralph Roscoe Proctor, Los Angeles, Calif.
Application July 25, 1936, Serial No. 92,612
3 Claims. (Cl. 265—18)



1. Earth-plasticity testing apparatus, consisting of a tubular body, a rod slidably mounted in one end of said body, a plug secured to the upper end of said body, a second plug secured to the lower end of said rod, a tension-spring connected at its opposite ends to said plugs, respectively, a penetration-needle having a point of predetermined area extending axially from the lower end of said body, a handle on the upper end of said rod, said rod provided with a graduated scale calibrated with reference to the extension of said spring, and a ring frictionally engaged about said rod in indicating relation to said scale.

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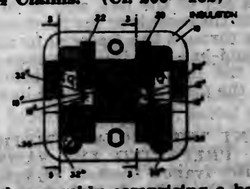
2,117,966
PISTON RING CONSTRUCTION
Delmar D. Robertson, Lansdowne, Pa., assignor to Wilkening Manufacturing Company, Philadelphia, Pa., a corporation of Delaware
Application March 11, 1935, Serial No. 10,385
Renewed July 29, 1936
11 Claims. (Cl. 309—43)



1. A sealing device for use in combination with a cylinder and a piston adapted to reciprocate therein and having a ring-receiving groove, said sealing device including an interrupted annular metallic ring having a gap intermediate its two ends at the point of interruption and a recess formed in the inner circumference of said ring at the gap and communicating with said gap, said ring having pronounced corners at both sides of the mouth of said recess and a spring operatively interposed between the two ends of the ring and extending into said recess contacting both said ends of the ring and on either side of said gap, thereby to give radial support to both ends of the ring and to tend to prevent the radial collapse of the ends of the ring and to prevent the circumferential shifting of the spring in relation to the ring.

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2,117,967
ENCLOSED ELECTRIC SWITCH
Harold E. Schleicher, Elmwood, and Monroe Guett, Hartford, Conn., assignors to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application December 14, 1935, Serial No. 54,432
4 Claims. (Cl. 200—162)



3. A switch assembly comprising a base of insulating material, a contact carrier, a movable contact carried by said carrier, a pair of stationary contacts having their contact faces

lying in planes parallel to the plane of movement of said carrier, at least one of said stationary contacts being free for substantial lateral movement with respect to said base in a plane normal to the contact face, and a bolt having a head engaging the side edge of one of said stationary contacts and holding said stationary contact against said lateral movement and in position to be engaged by said movable contact.

## 2,117,988
## OVERHEAD TRAVELING CONVEYER

Charles Richard Schock, Madeira, and Christopher Liebel Koehler, Cincinnati, Ohio, assignors to The Alvey-Ferguson Company, Oakley, Cincinnati, Ohio, a corporation of Ohio

Application August 2, 1932, Serial No. 627,976
3 Claims. (Cl. 105—154)



1. A trolley wheel assembly comprising a body portion having a peripheral bearing surface, a cylindrical bearing recess in the body portion having a solid flange on one side and a deformable projection on the other, a pair of complementary bearing members in the bearing recess located between the solid flange and the deformable projection, an axle having an opening therethrough for the passage of grease, a stationary bearing on the axle, anti-friction members between the complementary bearing members and the stationary bearing member, the body portion having a cap recess outwardly of the bearing recess and a removable cap having a surface coaction with the cap recess to form an effective but separable press-fit between the cap and body portion.

## 2,117,989
## HANDBAG KEY RETAINER

Arthur P. Ryan, Jackson Heights, N. Y.

Application October 6, 1936, Serial No. 104,285
1 Claim. (Cl. 190—34)



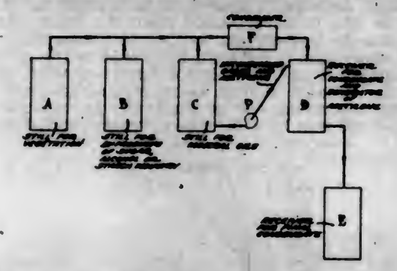
In combination, a lady's hand-bag, a hook supporting plate positioned on the inner surface of said hand-bag with a U-shaped open top hook thereon adapted for easy removal and replacement of a key or the like, and an ornament positioned on the outside of the hand-bag with pins extending through the material forming the wall of the hand-bag and into openings in the said plate on the inside, said pins being bent over to secure the plate and ornament in place.

## 2,117,990
## SOLVENT THINNER AND METHOD FOR PREPARING THE SAME

Dimiter Ivanoff Ouaheff, Buffalo, N. Y.

Application December 3, 1937, Serial No. 177,860
6 Claims. (Cl. 134—36)

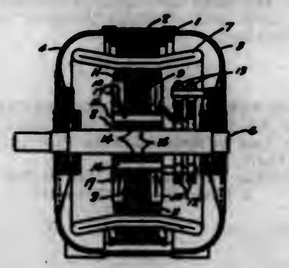
1. A method of producing a solvent thinner consisting of a mixture of liquid organic oxygenated and hydrocarbon compounds comprising a product formed by destructively distilling waste vegetative substance and by-products thereof such as molasses, fusel oil and other by-products of the alcohol and sugar industries, and separately distilling mineral oils or mineral oil distillates under temperatures and pressures high enough to distill, decompose and react with acetylene gas and uncondensable gases of the system, blending such vapors under the high temperature and pressures of the reaction system, condensing the vapors, passing the condensate containing water in contact with calcium carbide to form acetylene gases, separating the acetylene gases and uncondensable gases formed in the system and passing the same into the hot mineral oil distillation system for reaction therewith or with the distillates of the other products, fractionally distilling the liquids, separated from the system, to obtain a solvent fraction boiling in the range from 45° to 170° C.




## 2,117,991
## DEFINITE POLE ALTERNATOR

Leroy H. Palmer, Bell, Calif.

Application March 7, 1936, Serial No. 67,664
6 Claims. (Cl. 171—252)



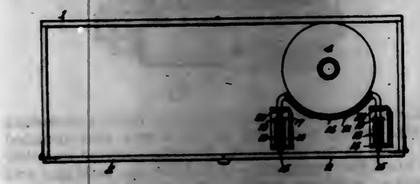
1. In a definite pole alternator, an armature having a magnetic core, and a field structure cooperating with the armature and having a magnetic core, said field core having a series of pole pieces as well as a hub support for the pieces, said hub support and pole pieces being joined by a radial projection extending from one of the elements into a closely contacting recess formed in the other element, there being a shoulder surface formed around the projection in intimate contact with the corresponding surface on the other element, to provide a tight joint at these surfaces, and the air gap between the pole pieces and the armature being of the order of two thousandths of an inch to three thousandths of an inch per inch of radius of the rotating element.



## 2,117,992
## SAFETY HOLDER FOR TANK WAGON RECEPTACLES

Austin E. Peel, Wetmore, Kans., assignor of one-third to Orville E. Peel, Wetmore, Kans., and one-third to Rocco S. Lenge, Kansas City, Mo.

Application October 7, 1936, Serial No. 104,498
3 Claims. (Cl. 220—85)

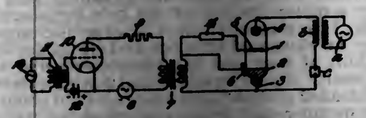


1. A bucket clamp comprising a segmental yoke having its opposite ends terminating in a pair of parallel members extending perpendicular to the yoke, a pair of U-shaped brackets having openings in their ends, each of said brackets respectively slidingly receiving one end of the segmental yoke, abutment collars on said parallel sliding yoke ends located between the spaced apart ends of the brackets, and springs inserted between said abutments and one end of the brackets to urge the yoke in one direction, the abutments being adapted to limit the sliding movement of the yoke under the expansion of the springs by contacting the ends of the brackets opposite those with which the springs contact.

## 2,117,993
## ELECTRIC DISCHARGE DEVICE

Dietrich Günther Prinz, Wembley, Middlesex, England, assignor to The General Electric Company Limited, London, England, a company of Great Britain

Application June 29, 1937, Serial No. 150,897
In Great Britain July 3, 1936
8 Claims. (Cl. 175—354)
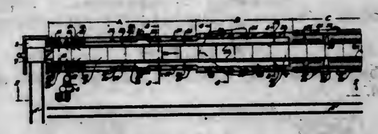


1. In a mercury vapor discharge device, a tube having an anode and a cathode, the cathode comprising a pool of mercury from which vapor is generated during operation, a main circuit carrying alternating current of known frequency connected for discharge between the anode and cathode of said tube, said main circuit including a direct current load, an external electrode arranged to cooperate with the mercury pool of the cathode in the formation thereon of a cathode spot, a circuit between said external electrode and the cathode carrying an impulse current for establishing a positive potential on the external electrode during each cycle of the alternating current in the main circuit for forming the cathode spot on the mercury pool, an auxiliary electrode mounted within the tube between the anode and cathode for cooperation with the cathode spot, and circuit means arranged to provide an impulse current for discharge between said auxiliary electrode and the cathode spot for maintaining the cathode spot until the main circuit discharge is established.

## 2,117,994
## KILN

James T. Robson, Euclid, and George R. Sylvester, Cleveland, Ohio, assignors to Ferro Enamel Corporation, Cleveland, Ohio, a corporation of Ohio

Application February 4, 1937, Serial No. 124,158
9 Claims. (Cl. 25—142)



1. In a kiln structure of the type described having a tunnel chamber, said chamber including a ware space, means for conveying ware through said ware space, and a combustion chamber adjacent said ware space, said ware space and combustion chamber having a common wall, said common wall having a plurality of openings adjacent the lower portion thereof, adjustable cover panels for said openings, said panels being movable to open or close said openings, the outer walls of the combustion chamber opposite said panels having apertures through which the panels may be adjusted, and means for plugging said apertures.

## 2,117,995
## SANDPAPER ROLL AND PROTECTOR THEREFOR

Colin A. Rees, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts

Application May 26, 1936, Serial No. 81,880
1 Claim. (Cl. 206—59)



A package comprising a cylindrical roll of coated abrasive sheet material, a protective device at an end of the said roll and in juxtaposition thereto, said protective device comprising corrugated board spirally wound and in disk shape, the axis of the spiral being the same as the axis of the roll, and wrapping paper wrapped around the roll and over the protective device thus securing the protective device to the end of the roll.

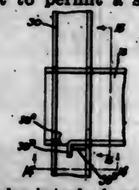
## 2,117,996
## HOUSING STRUCTURE AND ITS CONSTRUCTION

John A. Stromberg, Des Plaines, Ill.

Application September 16, 1935, Serial No. 40,664
2 Claims. (Cl. 189—36)

1. In a metallic skeleton framework, a vertical channel stud having a web and flanged sides, one of the flanged sides having an aperture therein, a channel joist disposed angularly to said stud and having portions of the flanges of its end cut to decrease their width to permit said end to be projected through said aperture

in said stud, one of said flanges of decreased width being cut to permit a section thereof to



be bent to thereby interlock said joist with said stud.

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2,117,997
SKEIN
Joseph I. Taylor, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application April 16, 1937, Serial No. 137,193
2 Claims. (Cl. 28—21)



1. As a new article of manufacture, a skein of artificial silk yarn divided into bundles and elastic strands tied in a plurality of places throughout its circumference by passing said strands over and under the separate bundles of the yarn, the ends of each strand being knotted.

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2,117,998
ADJUSTABLE ORIFICE DEVICE
William Walter Timmis, Glen Cove, and William K. Walker, New York, N. Y., assignors to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application December 2, 1935, Serial No. 52,650
10 Claims. (Cl. 138—46)

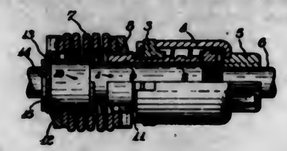


1. A device of the character described, comprising a body having an orifice opening therein, a member movable in parallel relation to said opening and having a range of travel extending beyond the opposite sides of said opening to allow clearance of said opening at either side thereof, and means at both ends of said member for adjusting the same.

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2,117,999
ENGINE STARTER DRIVE
Maurice P. Whitney, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application January 27, 1937, Serial No. 122,580
3 Claims. (Cl. 74—7)

1. In a starter drive, a sleeve adapted to be mounted on a motor shaft, a screw shaft slidably journalled on the sleeve, means transmitting rotation from the sleeve to the screw shaft including a torsion and compression spring and an anchor member therefor slidably but non-rotatably mounted on the sleeve, and means including a pin loosely mounted in the sleeve and adapted to serve as an abutment for said anchor member to limit the expansion of the spring, said pin and anchor member having interengaging portions serving to resist displacement of the pin.



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2,118,000
GASEOUS ELECTRIC DISCHARGE SYSTEM
Hans Wojtkowiak, Weehawken, N. J., assignor to Luminer Electric Company, Union City, N. J., a corporation of New Jersey
Continuation of application Serial No. 57,885, January 7, 1936. This application January 23, 1936, Serial No. 60,383
20 Claims. (Cl. 176—124)




12. In a gaseous discharge device including an elongated envelope and a gaseous atmosphere therewithin: a longitudinally extending electrode; and insulating electrode-positioning means provided with a hole engaging said electrode intermediately of the extremities thereof, and further provided with an aperture adjoining said hole over a minor fraction of the hole periphery.

20. In combination in a gaseous discharge device: an elongated envelope and electrodes therewithin; at least one cap member secured to an extremity of said envelope and having externally a threaded portion; a resistance wound about said cap member and terminally connected with one of said electrodes; and a shell member having internally a threaded portion removably engaging said threaded cap portion and substantially enclosing said resistance.

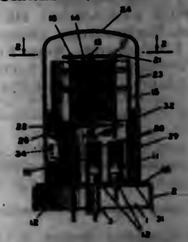
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2,118,001
PROCESS FOR HYDROGENATING CARBONYL COMPOUNDS AND CATALYST THEREFOR
Chester E. Andrews, Overbrook, and Lloyd W. Covert, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application February 20, 1935, Serial No. 7,354
10 Claims. (Cl. 260—127)

4. In a catalytic process of hydrogenating carbonyl compounds wherein the compound to be hydrogenated is treated at elevated temperatures and pressures with hydrogen in the presence of a catalyst, the improvement which consists in treating said compound with hydrogen in the presence of copper oxide deposited on activated alumina.



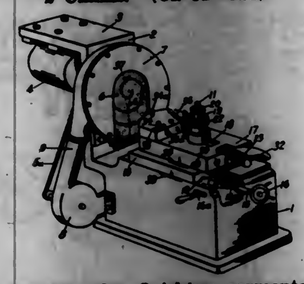
2,118,002
ELECTRON DISCHARGE TUBE
Richard G. Bennett, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application April 8, 1937, Serial No. 135,642
11 Claims. (Cl. 250—27.5)



8. In a device of the character described the combination of a metal header, a plurality of glass beads sealed to said header, a wire sealed through each bead, a tube mount carried by said header and having its electrodes connected to said wires, a metal bulb enclosing said mount and hermetically sealed to said header, an insulating getter shield surrounding said wires, a plurality of recesses in said shield into which said beads partially extend, a plurality of slots in the shield wall, a corresponding plurality of flexible wire clips each fastened to said header, each clip having a substantially V-shaped end with the apex of the V engaging the inner face of the bulb to force the end of the clip into a corresponding slot in said shield.

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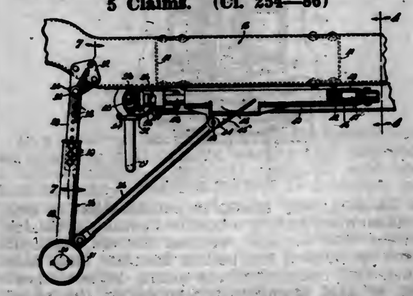
2,118,003
METHOD AND APPARATUS FOR FINISHING BRAKE SHOES
Harry K. Bigelow, Columbus, Ohio, assignor to Benjamin S. Lurie, Columbus, Ohio
Application March 20, 1936, Serial No. 69,760
2 Claims. (Cl. 51—124)



1. A machine for finishing segmental brake shoes having brake bands applied thereto comprising a body portion, an abrasive wheel mounted on said body portion for rotation in a vertical plane, a carriage for carrying a brake shoe, said carriage comprising a base member, a shoe-carrying member mounted for swinging movement, a pivot pin axially fixed with the base member providing a bearing upon which the shoe-carrying member may swing relative to said abrasive wheel in a horizontal plane substantially at right angles to the abrasive wheel, a rotatable screw longitudinally fixed in said body portion for adjusting said pivot pin towards and away from said abrasive wheel, and clamping means on the pivot pin for said shoe-carrying member at adjusted positions with the base member of said carriage towards and away from said abrasive wheel.

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2,118,004
PROP FOR SEMITRAILERS
James J. Black, Cincinnati, Ohio, assignor to The Trailer Company of America, Cincinnati, Ohio, a corporation of Delaware
Application July 29, 1936, Serial No. 93,249
5 Claims. (Cl. 254—86)



3. Mechanism for raising and lowering a prop pivotally mounted on the underside of the chassis of the semi-trailer, comprising, a guide rail extending longitudinally of the semi-trailer chassis, a unit guided on said rail for sliding movement therealong, means for pivotally connecting said unit to the swinging end of the prop, said unit including a casing, said casing housing a screw and nut, and a manually operated shaft projecting into the unit for traversing the unit by means of the screw and nut for raising and lowering the prop.

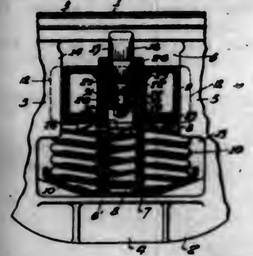
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2,118,005
ELECTRIC CABLE
Otto Cords, Berlin-Lichterfelde, Germany, assignor to Norddeutsche Kabelwerke A. G., Berlin-Neukolln, Germany
Application July 7, 1936, Serial No. 89,413
In Germany July 22, 1935
17 Claims. (Cl. 173—265)



1. An air-space insulated electric cable comprising a central conductor, an outer covering surrounding the said conductor in spacial relation thereto and including helical windings, and helically wound supporting means supporting the said conductor with relation to the said outer covering and disposed between the convolutions of the said windings.

2,118,006
**RAILWAY TRUCK**
Glenn F. Couch, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application January 14, 1935, Serial No. 1,792
25 Claims. (Cl. 105—193)

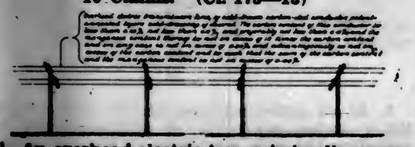


8. In a railway truck, in combination, a side frame member having a bolster opening, a bolster member with an end received therein, resilient means supporting the bolster member from said frame, and friction means acting between portions of said members for snubbing the recoil of said resilient means, said friction means comprising a wedge secured for movement with one of said members and another wedge urged by a spring between, and into frictional engagement with, said first-mentioned wedge and a friction member secured for vertical movement with the other of said members.

2,118,007
**PROCESS OF PRODUCING ALCOHOL BY THE CATALYTIC HYDROGENATION OF ESTERS OF CARBOXYLIC ACIDS**
Lloyd W. Covert, Philadelphia, and Chester E. Andrews, Overbrook, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application May 9, 1935, Serial No. 20,602
14 Claims. (Cl. 260—156)

1. The process of hydrogenating esters of carboxylic acids to alcohols which comprises subjecting the esters to the action of hydrogen at a temperature between about 200–400° C. and a pressure of from about 100–200 atmospheres in the presence of a hydrogenating catalyst, the active ingredient of which consists essentially of a mixture of the oxides of cobalt and silver.

2,118,008
**OVERHEAD ELECTRIC TRANSMISSION LINE**
Frederick M. Crapo, Muncie, Ind., assignor to Indiana Steel & Wire Company, Muncie, Ind., a corporation of Indiana
Application May 23, 1935, Serial No. 23,009
10 Claims. (Cl. 173—13)



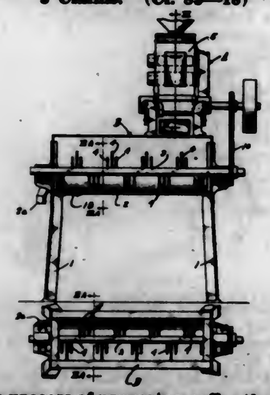
1. An overhead electric transmission line, comprising a conductor which is to carry current, and which is of carbon steel which has been cold-worked and in which substantial effects characteristic of those produced by such cold-working persist; and of which the carbon content is less than 0.25% but not less than 0.12%, and the manganese content is not in excess of 1⅓ times the carbon content and in any case is not in excess of 0.30%.

2,118,009
**WINDOW CLEANING DEVICE**
Herbert Jaeckel, Berlin-Britz, Germany, assignor to Roland Lindemann, New York, N. Y.
Application February 5, 1936, Serial No. 62,397
1 Claim. (Cl. 15—220)



In a window cleaning device, a U-shaped arm member having one long leg and one short leg, a second arm hinged to said short leg and extending to the end of said long leg, a spreader member rigidly secured to said short leg and extending along the outside of said second arm and spaced therefrom, spring means at the hinge to urge said long leg and said second arm toward each other, and latch means to coact with the end of said spreader member and second arm for holding said parts together and said second arm and said long leg spaced apart against the force of said spring means.

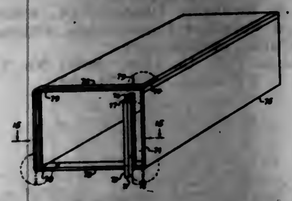
2,118,010
**PROCESS OF TREATING COFFEE AND PRESERVING ITS FLAVOR**
Albert J. Hasle, Jr., Chicago, Ill., assignor to B. F. Gump Company, Chicago, Ill., a corporation of Illinois
Original application October 24, 1931, Serial No. 570,263. Divided and this application August 9, 1937, Serial No. 158,978
3 Claims. (Cl. 83—18)



1. The process of preparing coffee that has been broken up into coffee particles of relatively uniform size as well as into particles of chaff which includes the steps of propelling the coffee mass thus formed in a continuous stream along a given path of substantial length longitudinally to an axis and simultaneously causing said stream to flow centrifugally about said axis while being subjected to a beating action, the centrifugal flow being broken up along the periphery of said stream throughout a substantial portion of the length of said path to cause relative movement between the coffee particles and liberated chaff at the place of interruption so as to subject the particles of chaff to such an abrading action by the rotating coffee particles as to reduce and commingle the chaff with the coffee particles into a product in which the chaff is substantially concealed.



2,118,011
**CONTAINER**
Philip Zalkind, Bronx, N. Y.
Original application September 3, 1932, Serial No. 631,682, now Patent No. 1,946,516, dated February 13, 1934. Divided and this application September 21, 1933, Serial No. 690,360
16 Claims. (Cl. 45—3)



10. A casing member of the class described, comprising a quadrilateral box-like structure having a body formed of an integral blank of non-metallic material scored and folded along certain portions serving as corner edges between the top, bottom and side walls, said body having the forward end margins thereof faced with metal strips arranged to permit folding and unfolding of said box structure along said scorings, and means engaging the marginal metal strips for holding the walls of the casing member rigidly in right-angled relation.

2,118,012
**SWITCH LOCK**
Charles B. Lowe, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application September 19, 1934, Serial No. 744,699
9 Claims. (Cl. 200—44)



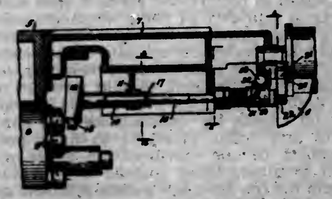
1. In a switch assembly of the class described, a switch element, a cylinder sleeve, a key plug in said sleeve and rotatable therein for operating said switch element, a fixed abutment on the key plug cooperable with spaced fixed abutments on the cylinder sleeve for limiting the rotation of the plug in said sleeve in a clockwise and in a counterclockwise direction from a neutral point, a removable stop member, and means specially designed for cooperation with said switch member whereby said stop member may be placed between the fixed abutments on said sleeve for preventing rotation of said plug in one of said directions, said stop member being retained in position by coaction with said key plug.

2,118,013
**GAS VALVE**
Birchard L. Matthews, Cleveland, and John T. Marvin, Fairview Village, Ohio, assignors to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio
Application June 30, 1934, Serial No. 733,266
1 Claim. (Cl. 251—77)



In a device of the kind described, a hollow body, an injection inlet opening leading into said body, a non-rotatable cylindrical piston in said body longitudinally slideable therein to intersect said opening, said piston having its inner end of conical shape and having a substantially arcuate cut-out in its outer surface at the junction of the cylindrical and conical surfaces thereof, said cut-out extending into said cylindrical surface beyond said junction and adapted to register with the inlet opening when the latter is full open, and said cut-out operating to reduce said inlet opening to a gradually reducing substantially elliptical passage as the piston is moved in said body across the same.

2,118,014
**STOCK STOP**
Donald H. Montgomery, Berlin, and Arthur H. Jobert, New Britain, Conn., assignors, by mesne assignments, to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application September 11, 1935, Serial No. 40,074
14 Claims. (Cl. 29—37)

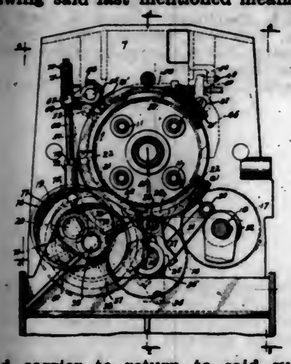


1. In a stock stop, a housing, a stock stop normally housed therein, and means for projecting said stock stop downwardly from said housing into stock stopping position and retracting the same upwardly into said housing.

2,118,015
**INDEXING STATION TYPE MACHINE**
Donald H. Montgomery, Berlin, and Arthur H. Jobert, New Britain, Conn., assignors, by mesne assignments, to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application September 11, 1935, Serial No. 40,075
18 Claims. (Cl. 29—37)

1. In a machine of the character indicated, a frame, an indexible carrier, means for indexing the same, supporting means for said carrier between indexing movements thereof, and means for moving said carrier transversely of its axis of indexing out of engagement with said supporting

means during indexing movement thereof, and withdrawing said last mentioned means to per-



mit said carrier to return to said supporting means by gravity.

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2,118,016

**SPROCKET FOR MOTION PICTURE FILMS**

Ernest Ross, Elmhurst, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware

Application April 11, 1935, Serial No. 15,771

7 Claims. (Cl. 74—243)



7. A sprocket assembly comprising a plurality of sprocket members having teeth therein, said members having bores, a plurality of hub members adapted to receive the bores of said sprocket members, a plurality of collar members adapted to abut said sprocket members and maintain said sprocket members on said hubs, shoulder members adjacent said sprocket members, means for maintaining the teeth of said sprocket members in definite positions with respect to one another, and means for maintaining said sprocket members and collar members in fixed position with respect to one another, the teeth of said sprocket members being formed to provide root diameters for the sprocket members in the spaces between said teeth which are less than the diameter of said collar members to form depressions between adjacent faces of adjacent teeth and adjacent edges of adjacent shoulder and collar members, co-extensive with the sides of said teeth, all adapted and arranged whereby apertured films receiving the teeth of the sprocket members and contacting said shoulder and collar members are out of contact with and spaced from the sprocket members over said depressions but are supported by said shoulder and collar members immediately adjacent the sides of said teeth.

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2,118,017

**ELECTRICAL INSULATION**

Meyer M. Safford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 7, 1936, Serial No. 67,639

7 Claims. (Cl. 106—15)

1. An electrical insulation exhibiting low dielectric losses and low power factor at elevated



temperature comprising polymerized vinyl halide, plasticizer and an oxide of lead.

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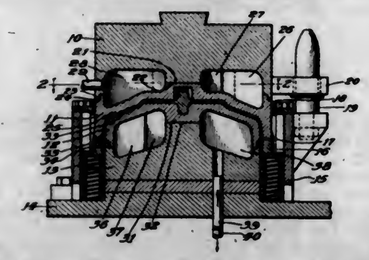
2,118,018

**WATER COOLED DIE FOR FORMING DISK WHEELS**

Clarence S. Swanson, Chicago, Ill., assignor to Standard Forgings Corporation, Chicago, Ill., a corporation of Delaware

Application July 18, 1936, Serial No. 91,319

4 Claims. (Cl. 78—30)



1. Apparatus for forming disk wheels, comprising a reciprocable die and a stationary die, the lower surface of the reciprocable die constituting a forming face adapted to cooperate with the upper surface of the stationary die, an annular chamber in the reciprocable die above the major part of the disk wheel forming face and spaced from the said face by a relatively thin shell which extends between the center and the periphery of the die for a distance substantially equal to the radial extent of the disk-forming face, and means for circulating water through said chamber.

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2,118,019

**SHOEHORN**

Walter O. Benjafield, New York, N. Y.

Application August 31, 1935, Serial No. 38,836

5 Claims. (Cl. 36—1)



1. As an article of manufacture, a shoe having a shoe horn therein, a piece of elastic material connecting said shoe horn to the shoe sole at a point adjacent to and rearward of the ball portion of the sole, said shoe horn being of a length shorter than a central line extending over the inside surface of the shoe from said point of attachment on the sole to the upper rear edge of the shoe, but longer than the straight-line distance between said point on the sole and said upper rear edge of the shoe.



2,118,020

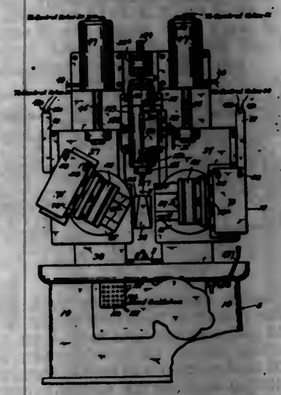
**MACHINE TOOL**

Myron Shirley Curtis, Pawtucket, R. I., assignor to William Wallace Potter, Pawtucket, R. I.

Application October 31, 1927, Serial No. 230,119

Renewed June 13, 1937

59 Claims. (Cl. 82—2)



1. As an improvement in machine tools, the combination of means for producing fluid pressure, a plurality of units each having a pressure-actuated device, an operable machine member for each pressure-actuated device and to which the movements of said device are transmitted, means connecting each of said units with said pressure producing means, said pressure producing means being common to the pressure-actuated devices of all the units, and automatic control means for the units under the control of at least one of said operable machine members.

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2,118,021

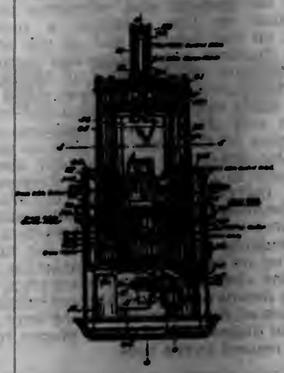
**IMPROVEMENTS IN MACHINE TOOL**

Myron S. Curtis, Pawtucket, R. I., assignor to William Wallace Potter, Pawtucket, R. I.

Application November 30, 1927, Serial No. 236,752

Renewed August 17, 1937

49 Claims. (Cl. 29—42)



1. A machine tool comprising a work spindle, means to vary the speed of such spindle from time to time during the performance of work, a to and fro moving tool holder, a constant speed prime mover, an operative connection between said prime mover and said tool holder comprising hydraulic mechanism that includes a pump, and an operative connection between spindle and tool holder comprising hydraulic mechanism that includes a pump under the control of the spindle during variation of spindle speed.

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2,118,022

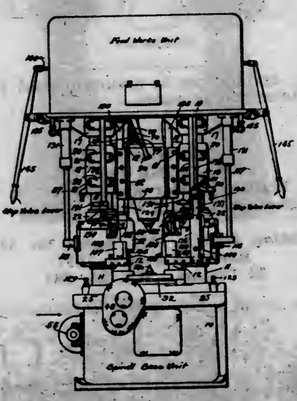
**MACHINE TOOL**

Myron S. Curtis, Pawtucket, R. I., assignor to William Wallace Potter, Pawtucket, R. I.

Application February 9, 1931, Serial No. 514,667

Renewed July 8, 1937

23 Claims. (Cl. 82—2)



1. In a fluid pressure mechanism for machine-tools having a movable member whose rate of movement in one direction is to be changed, a source of constant fluid pressure to effect all such rates of movements, a pressure receiving element connected with said movable member, means for establishing fluid pressure connection between said pressure source and the fluid pressure receiving element, a valve means in said connection means for changing the rate of movement of the movable member and including a valve element for varying the amount of fluid delivered to the pressure receiving element from said supply source, and a second valve element for controlling the delivery of larger volume to said pressure receiving element from said source whereby the rate of movement of said member may be changed.

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2,118,023

**MACHINE TOOL**

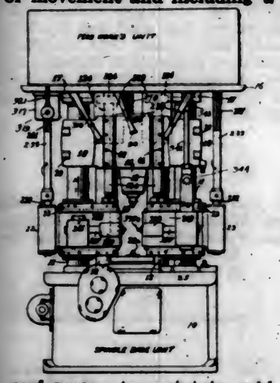
Myron S. Curtis, Pawtucket, R. I., assignor to William Wallace Potter, Pawtucket, R. I.

Original application February 9, 1931, Serial No. 514,667. Divided and this application November 30, 1937, Serial No. 177,280

17 Claims. (Cl. 82—2)

1. A machine-tool comprising two spaced apart units which, respectively, impart motion to the work piece and travel to the tool relative to the work piece, one of said units including means for reciprocating the work performing instrumentalities thereof, fluid pressure means for at least certain of said instrumentalities to resist the

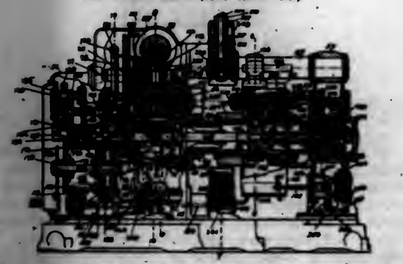
movement of the latter in at least one of its directions of movement and including a constant



pressure, and means to maintain said pressure at predetermined amounts.

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**2,118,024**
**MACHINE TOOL**
**William Wallace Potter and Myron S. Curtis, Pawtucket, R. I.; said Curtis assignor to said Potter**
**Application June 4, 1931, Serial No. 542,156**
**Renewed July 9, 1937**
**52 Claims. (Cl. 29—38)**

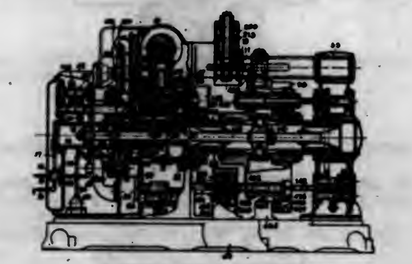


1. A machine tool comprising an indexable spindle carrier, a hollow tool support fixedly connected with and projecting from said carrier, a tool slide on said support, means for imparting movement to the tool slide towards and from the carrier, said spindle carrier and support being rotatable together, and means to prevent rotation of the slide with them, the slide reciprocating means being within the tool support and having a connection with the slide that is operative regardless of rotation of said support.

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**2,118,025**
**MACHINE TOOL, PARTICULARLY OF THE HYDRAULIC OPERATED TYPE**
**Myron S. Curtis, Pawtucket, R. I., assignor to William Wallace Potter, Pawtucket, R. I.**
**Application June 29, 1932, Serial No. 620,022**
**Renewed April 17, 1937**
**20 Claims. (Cl. 29—38)**

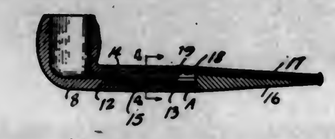
1. In a machine tool having a rotatable work spindle and means for rotating said spindle, the combination of a to and fro moving tool carrier, hydraulic means for moving the carrier to and fro relative to work on the spindle, and automatic means and including elements operated by the movement of said carrier when in predetermined positions for controlling the action of the hydraulic means, said hydraulic means including a cylinder with piston fluid pressure connections



communicating said hydraulic means on both sides of the piston, a metering pump in at least one of said connections, and means for operating said metering pump in synchronism with the spindle, the said elements of said automatic means being electrical and having operable circuit connections with a movable element of the hydraulic means.

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**2,118,026**
**TOBACCO PIPE**
**Skúli Gunnlaugsson, Rio Vista, Calif.**
**Application April 23, 1934, Serial No. 722,024**
**1 Claim. (Cl. 131—12)**



A smoking pipe comprising a bowl, a stem extending from the bowl and having a passage communicating therewith, said stem having a reduced outer end and a chamber therein extending from the outer end of the passage, a tube secured in the passage and extending therefrom for disposal in the chamber, a mouthpiece mounted on the reduced end of the stem and having a chamber at the inner end thereof communicating with the chamber of the stem, said mouthpiece having a bore extending therethrough at an upward inclination for disposing the inner end thereof in communication with the chamber of the stem adjacent to the outer end of the latter for arrangement above and substantially in registration with respect to the tube, an individual elongated concavo-convex strip of absorbent material mounted in and fitting the chambers with the concaved portion uppermost to underlie the outlet end of the tube, said strip having its opposite ends contacting the end walls of the chambers to provide a trap, and an indicating means on the mouthpiece to determine the position of the inner end of the bore thereof whereby to dispose the same in proper relationship with respect to the tube.

# DESIGNS

MAY 17, 1938

**109,683**
**DESIGN FOR A NEGLIGEE**
**Jacques E. Abrahams, New York, N. Y.**
**Application April 1, 1938, Serial No. 76,213**
**Term of patent 3½ years**



The ornamental design for a negligee, substantially as shown.

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**109,684**
**DESIGN FOR A DRESS**
**Mary Armao, New York, N. Y.**
**Application April 20, 1938, Serial No. 76,613**
**Term of patent 3½ years**



The ornamental design for a dress, substantially as shown.

**109,685**
**DESIGN FOR A DRESS**
**Mary Armao, New York, N. Y.**
**Application April 20, 1938, Serial No. 76,614**
**Term of patent 3½ years**



The ornamental design for a dress, substantially as shown.

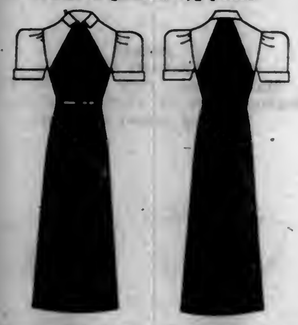
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**109,686**
**DESIGN FOR A DRESS**
**Mary Armao, New York, N. Y.**
**Application April 20, 1938, Serial No. 76,615**
**Term of patent 3½ years**



The ornamental design for a dress, substantially as shown.

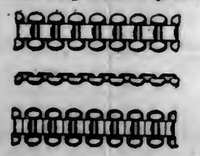
109,687
**DESIGN FOR A DRESS**
Mary Armao, New York, N. Y.
Application April 21, 1938, Serial No. 76,656
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

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109,688
**DESIGN FOR A CHAIN**
Ferdinand Armbrust, Edgewood, R. I., assignor to Armbrust Chain Company, Providence, R. I., a corporation of Rhode Island
Application January 31, 1938, Serial No. 74,738
Term of patent 7 years



The ornamental design for a chain, as shown.

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109,689
**DESIGN FOR A COMBINED HOOD AND CAPE**
Mark E. Atwood and Joseph Gordon Atwood, Wauwatosa, and William L. Armstrong, Milwaukee, Wis.
Application March 2, 1938, Serial No. 75,522
Term of patent 3½ years



The ornamental design for a combined hood and cape, substantially as shown and described.

109,690
**DESIGN FOR A HEAD COVERING OR THE LIKE**
Mark E. Atwood and Joseph Gordon Atwood, Wauwatosa, and William L. Armstrong, Milwaukee, Wis.
Application March 7, 1938, Serial No. 75,636
Term of patent 7 years



The ornamental design for a head covering or the like, substantially as shown and described.

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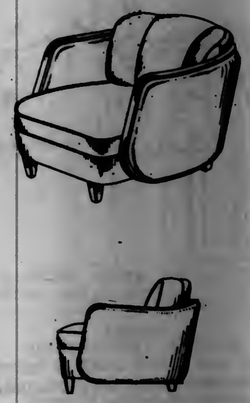
109,691
**DESIGN FOR AN UPHOLSTERED CHAIR OR SIMILAR ARTICLE**
Alfons Bach, New York, N. Y.
Application March 11, 1938, Serial No. 75,760
Term of patent 7 years



The ornamental design for an upholstered chair or similar article, as shown and described.



109,692
**DESIGN FOR AN UPHOLSTERED CHAIR OR SIMILAR ARTICLE**
Alfons Bach, New York, N. Y.
Application March 11, 1938, Serial No. 75,761
Term of patent 7 years



The ornamental design for an upholstered chair or similar article, as shown and described.

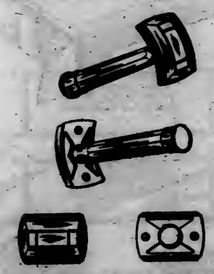
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109,693
**DESIGN FOR A ROBE**
Simon Barsa, New York, N. Y.
Application March 17, 1938, Serial No. 75,899
Term of patent 3½ years



The ornamental design for a robe, as shown and described.

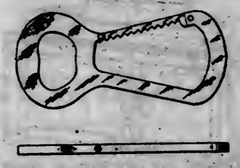
109,694
**DESIGN FOR A SAFETY RAZOR**
Lewis Berk, Brooklyn, N. Y., assignor to Harry Greenberg, Philadelphia, Pa., and Leo Josefsberg, New York, N. Y.
Application March 16, 1938, Serial No. 75,878
Term of patent 7 years



The ornamental design for a safety razor as shown.

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109,695
**DESIGN FOR A BOTTLE CAP REMOVER**
Ernesto Calencia, San Diego, Calif., assignor of one-half to Culmer C. Benton, San Diego, Calif.
Application December 18, 1937, Serial No. 73,695
Term of patent 14 years



The ornamental design for a bottle cap remover substantially as shown.

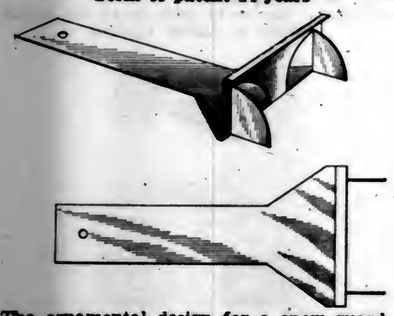
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109,696
**DESIGN FOR A TEXTILE FABRIC**
Jacques Cipoth, Mamaroneck, N. Y.
Application April 2, 1938, Serial No. 76,231
Term of patent 3½ years



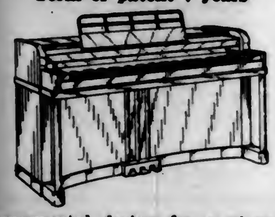
The ornamental design for a textile fabric substantially as shown.

109,697
**DESIGN FOR A SNOW GUARD**
Frank C. Cody, Chicago, Ill.
Application March 14, 1938, Serial No. 75,788
Term of patent 14 years



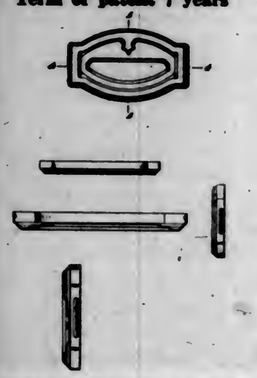
The ornamental design for a snow guard as shown.

109,698
**DESIGN FOR A PIANO CASE**
Wilbur M. Day, Norwood, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application January 12, 1938, Serial No. 74,255
Term of patent 7 years



The ornamental design for a piano case, as shown and described.

109,699
**DESIGN FOR A FACE PLATE FOR OVEN THERMOMETERS**
George J. Day, Buffalo, N. Y.
Application March 19, 1938, Serial No. 75,973
Term of patent 7 years



The ornamental design for a face plate for oven thermometers, substantially as shown.

109,700
**DESIGN FOR A COAT**
Samuel H. Dick, New York, N. Y.
Application April 13, 1938, Serial No. 76,463
Term of patent 3½ years



The ornamental design for a coat substantially as shown and described.

109,701
**DESIGN FOR A COAT**
Samuel H. Dick, New York, N. Y.
Application April 13, 1938, Serial No. 76,464
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.



109,702
**DESIGN FOR A COAT**
Samuel H. Dick, New York, N. Y.
Application April 13, 1938, Serial No. 76,465
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

109,703
**DESIGN FOR A COAT**
Samuel H. Dick, New York, N. Y.
Application April 13, 1938, Serial No. 76,466
Term of patent 3½ years



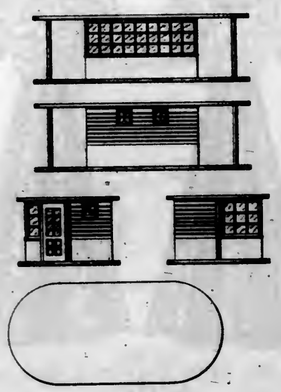
The ornamental design for a coat substantially as shown and described.

109,704
**DESIGN FOR A FINGER RING MOUNTING**
Julius Dinhofer, New York, N. Y.
Application February 16, 1938, Serial No. 75,177
Term of patent 3½ years



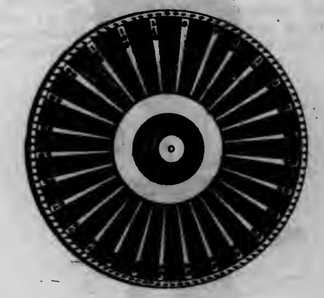
The ornamental design for a finger ring mounting, as shown.

109,705
**DESIGN FOR A SERVICE STATION BUILDING OR THE LIKE**
Herbert L. Ebling, Milwaukee, and Henry P. Plunkett, Shorewood, Wis.
Application December 24, 1937, Serial No. 73,847
Term of patent 3½ years



The ornamental design for a service station building, or the like, substantially as shown.

109,706
**DESIGN FOR A SPINNING WHEEL FOR AN AMUSEMENT DEVICE**
Edward C. Fain, Wetumpka, Ala.
Application January 28, 1938, Serial No. 74,690
Term of patent 7 years



The ornamental design for a spinning wheel for an amusement device, as shown.

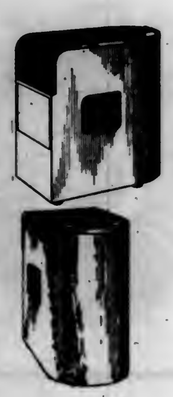
**109,707**
**DESIGN FOR A DRESS**
**Rose Feintuck, New York, N. Y.**
**Application March 16, 1938, Serial No. 75,849**
**Term of patent 3½ years**



The ornamental design for a dress, substantially as shown and described.

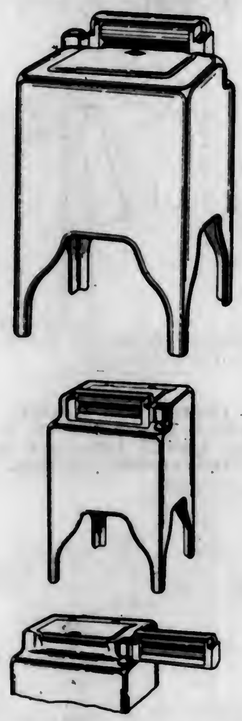
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**109,708**
**DESIGN FOR A SPACE HEATER**
**Harold L. Finley, Albion, Mich., assignor to The Lemorgan Manufacturing Company, Inc., Albion, Mich., a corporation of Michigan**
**Application January 14, 1938, Serial No. 74,288**
**Term of patent 3½ years**



The ornamental design for a space heater substantially as shown and described.

**109,709**
**DESIGN FOR A COMBINED WRINGER AND WASHING MACHINE CASING**
**Ray W. Franklin, Davenport, Iowa**
**Application September 30, 1937, Serial No. 71,887**
**Term of patent 14 years**



The ornamental design for a combined wringer and washing machine casing, as shown and described.

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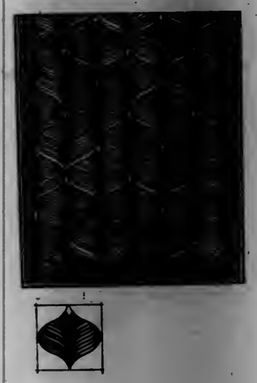
**109,710**
**DESIGN FOR A SCALE**
**Max Garbell, Chicago, Ill.**
**Application March 5, 1938, Serial No. 75,620**
**Term of patent 14 years**



The ornamental design for a scale substantially as shown.



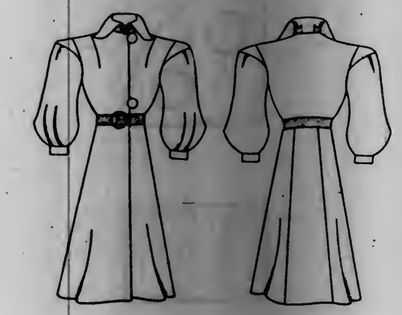
**109,711**
**DESIGN FOR A SPREAD OR SIMILAR ARTICLE**
**Marie F. Hauck, Chicago, Ill., assignor to Walter M. Gotsch Company, Chicago, Ill., a corporation of Illinois**
**Application April 4, 1938, Serial No. 76,279**
**Term of patent 3½ years**



The ornamental design for a spread or similar article, as shown.

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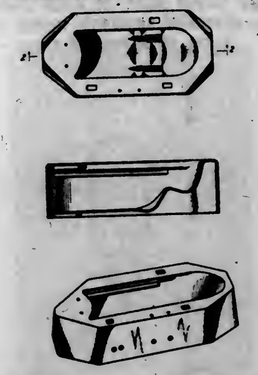
**109,712**
**DESIGN FOR A COAT**
**Joseph Henschel, New York, N. Y.**
**Application April 16, 1938, Serial No. 76,558**
**Term of patent 3½ years**



The ornamental design for a coat, substantially as shown and described.



**109,713**
**DESIGN FOR A BATHTUB**
**Julia L. Houston, Los Angeles, Calif.**
**Application March 11, 1938, Serial No. 75,757**
**Term of patent 14 years**



The ornamental design for a bath tub substantially as shown.

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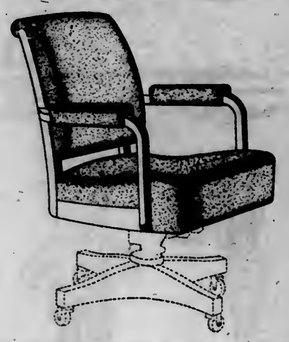
**109,714**
**DESIGN FOR A FINGER RING OR SIMILAR ARTICLE**
**Samuel Jaffe, Chicago, Ill.**
**Application February 21, 1938, Serial No. 75,317**
**Term of patent 3½ years**



The ornamental design for a finger ring or similar article, as shown.

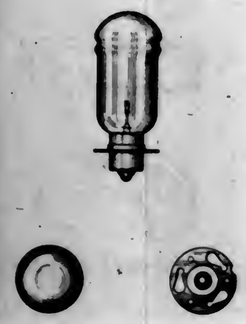
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**109,715**
**DESIGN FOR A CHAIR**
**Eric Magnus Johnson, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio**
**Application April 9, 1938, Serial No. 76,400**
**Term of patent 14 years**



The ornamental design for a chair as shown, and described.

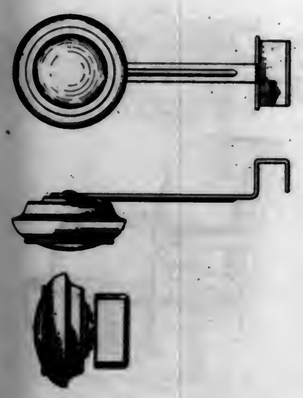
**109,716**
**DESIGN FOR AN INCANDESCENT LAMP**
George Kende, New York, N. Y., assignor, by mesne assignments, to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application March 30, 1937, Serial No. 68,479
Term of patent 14 years



The ornamental design for an incandescent lamp substantially as shown and described.

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**109,717**
**DESIGN FOR A BRACKET THERMOMETER OR THE LIKE**
Morris Kemins, Rochester, N. Y.
Application March 23, 1938, Serial No. 76,036
Term of patent 7 years



The ornamental design for a bracket thermometer or the like, as shown.

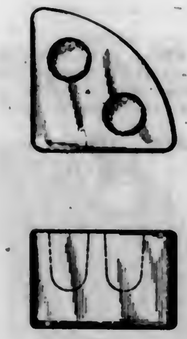
**109,718**
**DESIGN FOR A COAT**
Salvatore Lo Preto, New York, N. Y.
Application April 20, 1938, Serial No. 76,637
Term of patent 3½ years



The ornamental design for a coat substantially as shown and described.

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**109,719**
**DESIGN FOR A CANDLE HOLDER**
William E. Mackelfresh, Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 1, 1936, Serial No. 65,108
Term of patent 7 years



The ornamental design for a candle holder substantially as shown.



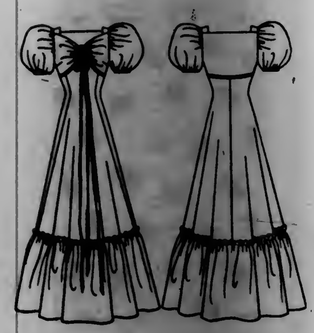
**109,720**
**DESIGN FOR A DRESS ENSEMBLE**
Margaret Michelsen, New York, N. Y.
Application February 10, 1938, Serial No. 75,027
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

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**109,721**
**DESIGN FOR A DRESS**
Margaret Michelsen, New York, N. Y.
Application February 10, 1938, Serial No. 75,028
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

**109,722**
**DESIGN FOR A LACE TABLECLOTH**
Walter C. Miller, Philadelphia, Pa., assignor to Quaker Lace Company Inc., Philadelphia, Pa.
Application April 23, 1938, Serial No. 76,716
Term of patent 3½ years



The ornamental design for a lace table cloth substantially as shown and described.

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**109,723**
**DESIGN FOR A DOLL**
Arthur D. Norcross, New York, N. Y., assignor to Norcross, New York, N. Y., a partnership composed of Arthur D. Norcross and June Norcross Webster
Application February 4, 1938, Serial No. 74,885
Term of patent 7 years



The ornamental design for a doll, as shown.

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**109,724**
**DESIGN FOR A DOLL**
Arthur D. Norcross, New York, N. Y., assignor to Norcross, New York, N. Y., a partnership composed of Arthur D. Norcross and June Norcross Webster
Application March 22, 1938, Serial No. 76,011
Term of patent 7 years



The ornamental design for a doll, as shown.

109,725
**DESIGN FOR A LACE TABLECLOTH**
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Inc., Philadelphia, Pa.
Application April 23, 1938, Serial No. 76,717
Term of patent 3½ years



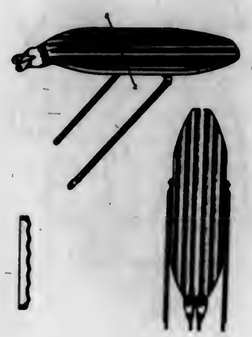
The ornamental design for a lace tablecloth, substantially as shown and described.

109,726
**DESIGN FOR A LACE TABLECLOTH**
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Inc., Philadelphia, Pa.
Application April 23, 1938, Serial No. 76,718
Term of patent 3½ years



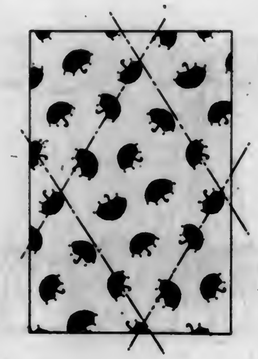
The ornamental design for a lace tablecloth, substantially as shown and described.

109,727
**DESIGN FOR A LUGGAGE CARRIER FOR BICYCLES OR THE LIKE**
Ewald F. Pawsat, Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated, a corporation of Kentucky
Application January 28, 1938, Serial No. 74,688
Term of patent 14 years



The ornamental design for a luggage carrier for bicycles or the like, as shown.

109,728
**DESIGN FOR A TEXTILE FABRIC**
Charles M. Feisner, New York, N. Y.
Application April 20, 1938, Serial No. 76,641
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.



109,729
**DESIGN FOR A CHAIR**
Dwight Powell, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application April 9, 1938, Serial No. 76,899
Term of patent 14 years



The ornamental design for a chair, as shown and described.

109,730
**DESIGN FOR A SPRING**
George G. Powers, Chicago, Ill.
Application May 24, 1937, Serial No. 69,518
Term of patent 14 years



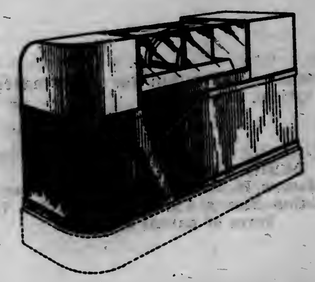
The ornamental design for a spring, as shown and described.

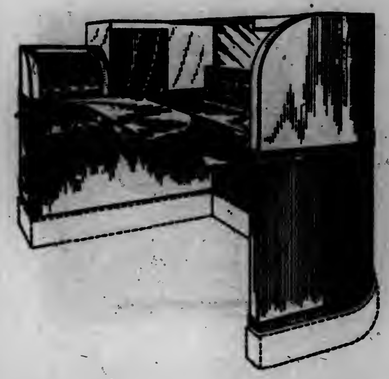
109,731
**DESIGN FOR A TAX STAMP OR SIMILAR ARTICLE**
Anthony Rabito, Elmhurst, N. Y., assignor to The State of California
Application October 16, 1937, Serial No. 72,220
Term of patent 3½ years



The ornamental design for a tax stamp or similar article, substantially as shown and described.

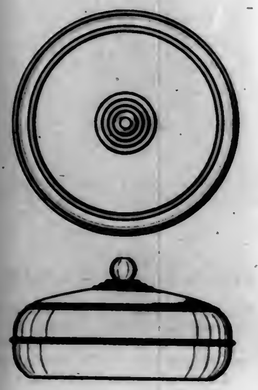
109,732
**DESIGN FOR A GRIDDLE STAND OR THE LIKE**
Loyd W. Ray and Franklin H. Wirtz, Columbus, Ohio, assignor to White Castle System, Inc., Columbus, Ohio, a corporation of Delaware
Application March 23, 1938, Serial No. 76,028
Term of patent 14 years





The ornamental design for a griddle stand or the like substantially as shown.

109,733
**DESIGN FOR A SEWING CASE OR SIMILAR ARTICLE**
James H. Reichart, Muncie, Ind.
Application December 6, 1937, Serial No. 73,402
Term of patent 7 years



The ornamental design for a sewing case or similar article, as shown.

109,734
**DESIGN FOR A DIAL PLATE**
Marcus H. Rhodes, Hartford, Conn.
Application March 15, 1938, Serial No. 75,815
Term of patent 3½ years



The ornamental design for a dial plate, as shown.

109,735
**DESIGN FOR AN ELECTRICAL APPLIANCE PLUG CONNECTER**
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application March 10, 1938, Serial No. 75,717
Term of patent 14 years



The ornamental design for an electrical appliance plug connecter, substantially as shown.

109,736
**DESIGN FOR A BRACELET CHAIN**
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application February 4, 1938, Serial No. 74,875
Term of patent 3½ years



The ornamental design for a bracelet chain as shown and described.

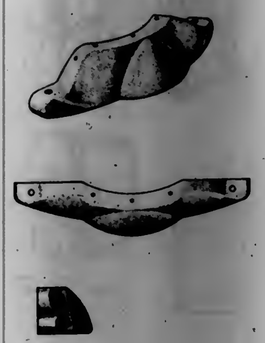
109,737
**DESIGN FOR A RING MOUNTING**
Jacob H. Schaeffer, Brooklyn, N. Y.
Application April 6, 1938, Serial No. 76,328
Term of patent 3½ years



The ornamental design for a ring mounting substantially as shown.

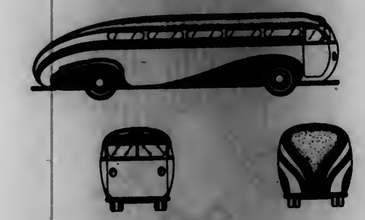


109,738
**DESIGN FOR A FRONT BOLSTER FOR A JUVENILE VEHICLE**
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application March 14, 1938, Serial No. 75,811
Term of patent 7 years



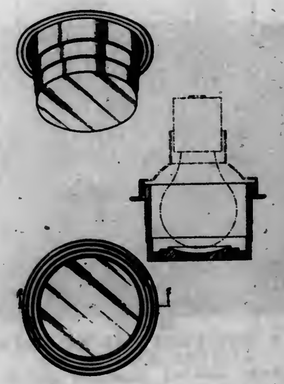
The ornamental design for a front bolster for a juvenile vehicle substantially as shown.

109,739
**DESIGN FOR A HIGHWAY AUTOMOTIVE PASSENGER VEHICLE**
Clifford Brooks Stevens, Milwaukee, Wis.
Application December 18, 1937, Serial No. 73,697
Term of patent 14 years



The ornamental design for a highway automotive passenger vehicle, as shown and described.

109,740
**DESIGN FOR A LIGHTING FIXTURE OR SIMILAR ARTICLE**
Lemuel L. Stewart, Chicago, Ill., assignor to The Adlake Company, a corporation of Illinois
Application May 10, 1937, Serial No. 69,261
Term of patent 14 years



The ornamental design for a lighting fixture, or similar article, substantially as shown, and described.

109,741
**DESIGN FOR A TEXTILE FABRIC**
Ira Strauss, New York, N. Y.
Application April 19, 1938, Serial No. 76,603
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

109,742
**DESIGN FOR A TEXTILE FABRIC**
Ira Strauss, New York, N. Y.
Application April 20, 1938, Serial No. 76,639
Term of patent 3½ years



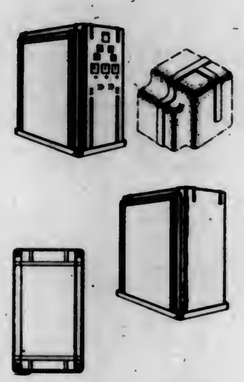
The ornamental design for a textile fabric, substantially as shown, and described.

109,743
**DESIGN FOR A TEXTILE FABRIC**
Ira Strauss, New York, N. Y.
Application April 20, 1938, Serial No. 76,640
Term of patent 3½ years



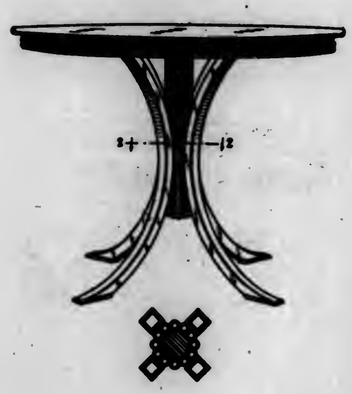
The ornamental design for a textile fabric, substantially as shown, and described.

109,744
**DESIGN FOR A CABINET FOR AN ACTUATOR GOVERNOR**
Helmer Walter Thorell, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application September 20, 1937, Serial No. 71,694
Term of patent 14 years



The ornamental design for a cabinet for an actuator governor, substantially as shown and described.

109,745
**DESIGN FOR A TABLE**
Edward V. Trudo, Weston, Mass., assignor to Trudo Manufacturing Company, Weston, Mass., a corporation of Massachusetts
Application November 6, 1937, Serial No. 72,663
Term of patent 14 years



The ornamental design for a table, substantially as shown.

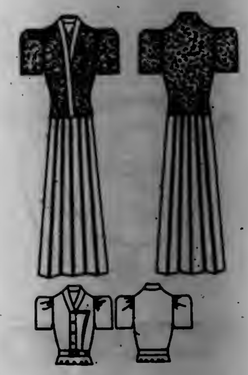


109,746
**DESIGN FOR A HAT**
Abraham Van Laven, Brooklyn, N. Y.
Application January 15, 1938, Serial No. 74,331
Term of patent 7 years



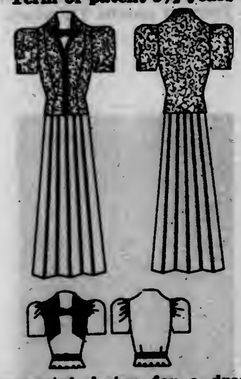
The ornamental design for a hat as shown.

109,747
**DESIGN FOR A DRESS ENSEMBLE**
Charles Warner, New York, N. Y.
Application April 15, 1938, Serial No. 76,517
Term of patent 3½ years



The ornamental design for a dress ensemble substantially as shown.

109,748
**DESIGN FOR A DRESS ENSEMBLE**
Charles Warner, New York, N. Y.
Application April 15, 1938, Serial No. 76,518
Term of patent 3½ years



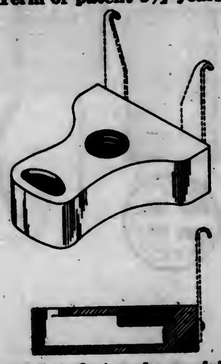
The ornamental design for a dress ensemble substantially as shown.

109,749
**DESIGN FOR AN ARM REST FOR A GLIDER OR SIMILAR ARTICLE**
Ralph Weisman, Detroit, Mich.
Application March 5, 1938, Serial No. 75,627
Term of patent 7 years



The ornamental design for an arm rest for a glider or similar article, as shown.

109,750
**DESIGN FOR A DRINKING VESSEL FOR ANIMALS OR THE LIKE**
Stanton E. Werner, Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
Application October 22, 1937, Serial No. 72,371
Term of patent 3½ years



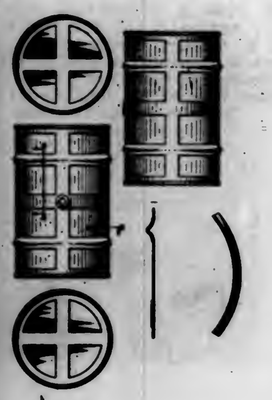
The ornamental design for a drinking vessel for animals or the like, substantially as shown.

109,751
**DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE**
Arnold Zavell, New York, N. Y.
Application April 19, 1938, Serial No. 76,596
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

109,752
**DESIGN FOR A BARREL OR SIMILAR CONTAINER**
Ross T. Corey, Richmond, Calif.
Application November 26, 1937, Serial No. 73,193
Term of patent 14 years



The ornamental design for a barrel or similar container substantially as shown.

109,753
**DESIGN FOR A JAR**
Edwin W. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 12, 1936, Serial No. 66,503
Term of patent 14 years



The ornamental design for a jar substantially as shown.

109,754
**DESIGN FOR AN ASHTRAY**
Nathan George Herwitt, New York, N. Y.
Application March 9, 1938, Serial No. 75,680
Term of patent 7 years



The ornamental design for an ashtray, as shown.

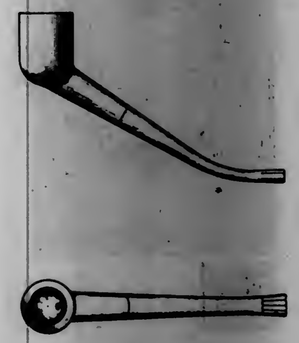


109,755
**DESIGN FOR A BOTTLE OR SIMILAR ARTICLE**
Robert A. Kelly, East Pittsburgh, Pa., assignor to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1938, Serial No. 75,333
Term of patent 3½ years



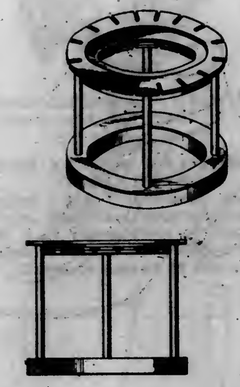
The ornamental design for a bottle or similar article, substantially as shown.

109,756
**DESIGN FOR A SMOKING PIPE**
Alex E. Leekheider, La Grange, Ill.
Application March 4, 1938, Serial No. 75,566
Term of patent 14 years



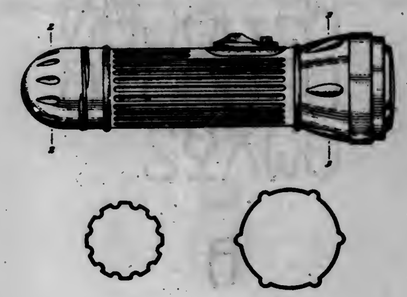
The ornamental design for a smoking pipe as shown.

109,757
**DESIGN FOR A PIPE RACK**
Samuel Rackmales, Baltimore, Md.
Application February 9, 1938, Serial No. 75,628
Term of patent 3½ years



The ornamental design for a pipe rack substantially as shown.

109,758
**DESIGN FOR A FLASHLIGHT CASING**
Harry Rothenberg, Norwood, N. J., and Leopold C. Grimsley, Jackson Heights, N. Y.
Application March 22, 1937, Serial No. 68,338
Term of patent 14 years



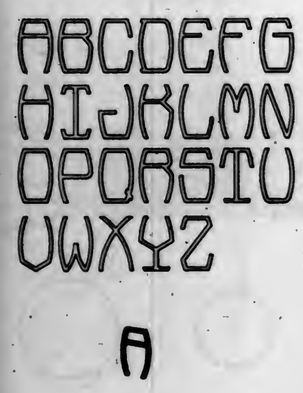
The ornamental design for a flashlight casing substantially as shown and described.

109,759
**DESIGN FOR AN OVERSHOE OR SIMILAR ARTICLE**
Edward F. Casey, Malden, Mass., assignor to Converse Rubber Company, Malden, Mass., a corporation of Massachusetts
Application March 29, 1938, Serial No. 76,143
Term of patent 14 years



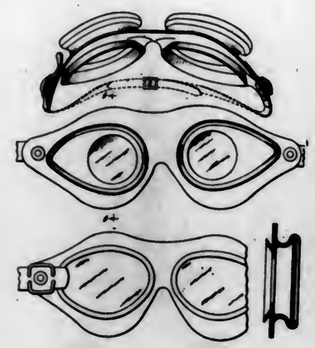
The ornamental design for an overshoe or similar article, substantially as shown.

109,760
**DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR THE LIKE**
Michael Chernow, Brooklyn, N. Y.
Application March 8, 1938, Serial No. 75,664
Term of patent 7 years




The ornamental design for an alphabet for forming monograms or the like, substantially as shown.

109,761
**DESIGN FOR BATHING GOGGLES**
Charles H. Foster, New York, N. Y.
Application February 25, 1938, Serial No. 75,469
Term of patent 7 years



The ornamental design for bathing goggles as shown and described.

109,762
**DESIGN FOR A SPREAD OR SIMILAR ARTICLE**
Marie F. Hauck, Chicago, Ill., assignor to Walter M. Gotsch Company, Chicago, Ill., a corporation of Illinois
Application April 4, 1938, Serial No. 76,280
Term of patent 3½ years



The ornamental design for a spread or similar article, as shown.



109,763
**DESIGN FOR A BOTTLE OR SIMILAR ARTICLE**
Robert A. Kelly, East Pittsburgh, Pa., assignor to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1938, Serial No. 75,332
Term of patent 3½ years



The ornamental design for a bottle or similar article, substantially as shown and described.

109,764
**DESIGN FOR A DRESS ENSEMBLE**
Ben Machanoff, New York, N. Y.
Application April 11, 1938, Serial No. 76,427
Term of patent 3½ years



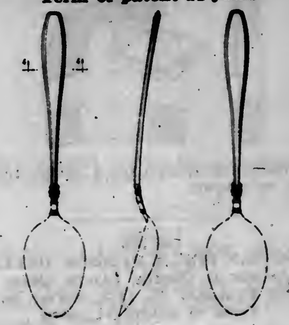
The ornamental design for a dress ensemble, substantially as shown.

109,765
**DESIGN FOR A BRACELET**
Mildred Oppenheim, New York, N. Y.
Application April 16, 1938, Serial No. 76,565
Term of patent 3½ years



The ornamental design for a bracelet, substantially as shown and described.

109,766
**DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE**
James Russell Price, Providence, R. I., assignor to Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application March 4, 1938, Serial No. 75,567
Term of patent 14 years



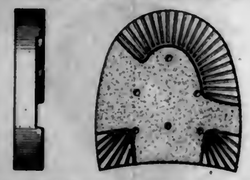
The ornamental design for a spoon or other article of flatware, substantially as shown.

109,767
**DESIGN FOR A PERFUME BOTTLE**
Samuel Schein, Brooklyn, N. Y.
Application February 19, 1938, Serial No. 75,272
Term of patent 3½ years



The ornamental design for a perfume bottle, as shown.

109,768
**DESIGN FOR A RUBBER HEEL**
Arthur G. Smith, Elyria, Ohio
Application August 17, 1937, Serial No. 71,149
Term of patent 14 years



The ornamental design for a rubber heel, substantially as shown.

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109,769
**DESIGN FOR A RUBBER HEEL**
Arthur G. Smith, Elyria, Ohio
Application August 17, 1937, Serial No. 71,150
Term of patent 14 years



The ornamental design for a rubber heel, substantially as shown.

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109,770
**DESIGN FOR A RUBBER HEEL**
Arthur G. Smith, Elyria, Ohio
Application February 26, 1938, Serial No. 75,437
Term of patent 14 years



The ornamental design for a rubber heel, substantially as shown.

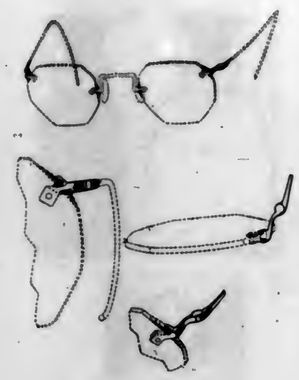
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109,771
**DESIGN FOR A RUBBER HEEL**
Arthur G. Smith, Elyria, Ohio
Application February 26, 1938, Serial No. 75,438
Term of patent 14 years



The ornamental design for a rubber heel, substantially as shown.

109,772
**DESIGN FOR A PAIR OF SPECTACLES**
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application October 18, 1937, Serial No. 72,246
Term of patent 14 years



The ornamental design for a pair of spectacles, substantially as shown and described.

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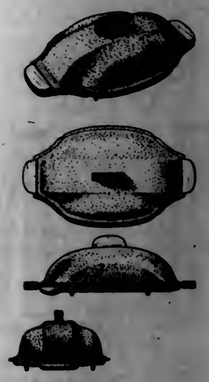
109,773
**DESIGN FOR A FLACON**
Paul F. Summers, Honolulu, Territory of Hawaii
Application February 25, 1938, Serial No. 75,417
Term of patent 7 years



The ornamental design for a flacon, as shown and described.



109,774
**DESIGN FOR A BROILER**
Foster L. Talge, Kansas City, Mo.
Application March 19, 1938, Serial No. 75,975
Term of patent 7 years



The ornamental design for a broiler, substantially as shown.

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109,775
**DESIGN FOR A DISPLAY BOX OR SIMILAR ARTICLE**
Sylvan M. Wolfsheim, Buffalo, N. Y., assignor to Wolfsheim & Sachs, Inc., Buffalo, N. Y., a corporation of New York
Application February 19, 1938, Serial No. 75,276
Term of patent 7 years



The ornamental design for a display box or similar article, as shown.

109,776
**DESIGN FOR A DISPLAY BOX OR SIMILAR ARTICLE**
Sylvan M. Wolfsheim, Buffalo, N. Y., assignor to Wolfsheim & Sachs, Inc., Buffalo, N. Y., a corporation of New York
Application February 19, 1938, Serial No. 75,277
Term of patent 7 years



The ornamental design for a display box or similar article, as shown.

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109,777
**DESIGN FOR A DISPLAY BOX OR SIMILAR ARTICLE**
Sylvan M. Wolfsheim, Buffalo, N. Y., assignor to Wolfsheim & Sachs, Inc., Buffalo, N. Y., a corporation of New York
Application February 19, 1938, Serial No. 75,278
Term of patent 7 years



The ornamental design for a display box or similar article, as shown.

**109,778**
**DESIGN FOR A BRASSIÈRE**
Jerome Abeles, Chicago, Ill., assignor to The Fermfit Company, Chicago, Ill., a corporation of Illinois
Application September 18, 1937, Serial No. 71,675
Term of patent 7 years



The ornamental design for a brassière, as shown.

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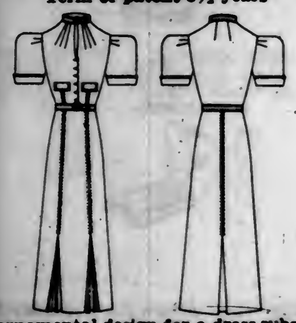
**109,779**
**DESIGN FOR A DRESS**
Dorothy Beilinson, New York, N. Y.
Application April 15, 1938, Serial No. 76,568
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

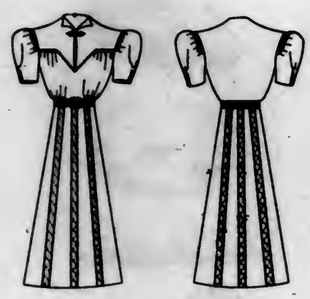
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**109,780**
**DESIGN FOR A DRESS**
Helen Berry, New York, N. Y.
Application April 20, 1938, Serial No. 76,618
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

**109,781**
**DESIGN FOR A DRESS**
Helen Berry, New York, N. Y.
Application April 20, 1938, Serial No. 76,619
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

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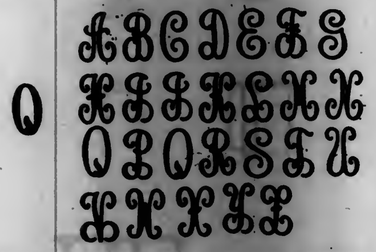
**109,782**
**DESIGN FOR A COMBINATION KNITTED HOOD AND SCARF**
George E. Brabeck, St. Paul, Minn.
Application February 21, 1938, Serial No. 75,327
Term of patent 14 years



The ornamental design for a combination knitted hood and scarf as shown and described.



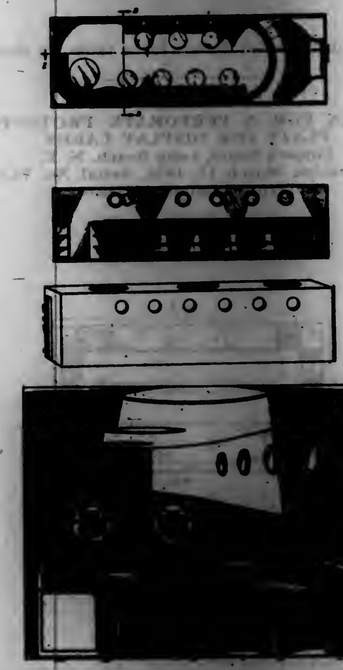
**109,783**
**DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR THE LIKE**
Michael Chernow, Brooklyn, N. Y.
Application March 7, 1938, Serial No. 75,652
Term of patent 14 years



The ornamental design for an alphabet for forming monograms or the like, substantially as shown.

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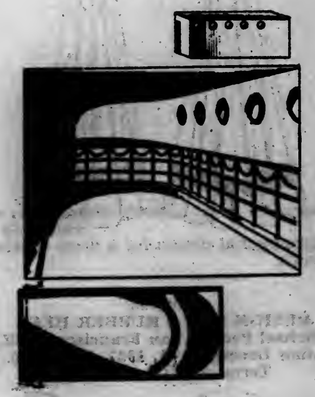
**109,784**
**DESIGN FOR A VEHICLE BODY OR SIMILAR ARTICLE**
Paul P. Cret and John W. Patten, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 28, 1937, Serial No. 69,596
Term of patent 14 years



The ornamental design for a vehicle body or similar article, substantially as shown and described.



**109,785**
**DESIGN FOR A VEHICLE BODY OR SIMILAR ARTICLE**
Paul P. Cret and John W. Patten, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 28, 1937, Serial No. 69,597
Term of patent 14 years



The ornamental design for a vehicle body or similar article, substantially as shown and described.

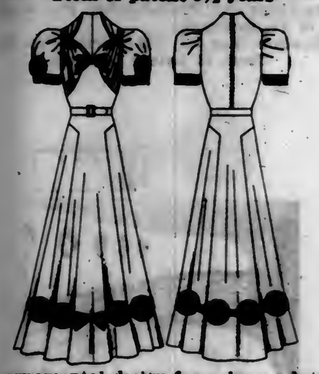
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**109,786**
**DESIGN FOR A SHOE OR SIMILAR ARTICLE**
Jacob Fein, New York, N. Y.
Application March 29, 1938, Serial No. 76,148
Term of patent 3½ years



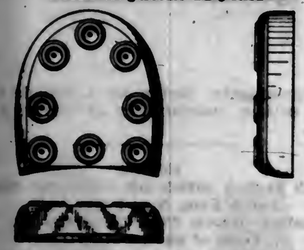
The ornamental design for a shoe or similar article, substantially as shown.

**109,787**
**DESIGN FOR A DRESS**
**Gus Lewis, New York, N. Y.**
**Application April 20, 1938, Serial No. 76,621**
**Term of patent 3½ years**



The ornamental design for a dress substantially as shown.

**109,788**
**DESIGN FOR A RUBBER HEEL**
**Michael Pecker, San Francisco, Calif.**
**Application December 21, 1937, Serial No. 73,781**
**Term of patent 14 years**



The ornamental design for a rubber heel substantially as shown.

**109,789**
**DESIGN FOR A CLOSURE ATTACHMENT FOR A PITCHER OR SIMILAR ARTICLE**
**Ralph H. Pershall, Bremerton, Wash., assignor to Sanicut Mfg. Co., Port Orchard, Wash., a corporation of Washington**
**Application June 14, 1937, Serial No. 69,837**
**Term of patent 14 years**



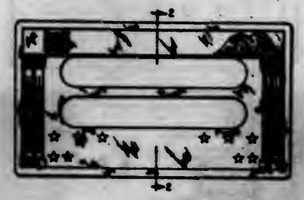
The ornamental design for a closure attachment for a pitcher or similar article, as shown.

**109,790**
**DESIGN FOR A TABLE**
**Irving Salomon, Chicago, Ill.**
**Application April 15, 1938, Serial No. 76,527**
**Term of patent 7 years**



The ornamental design for a table, as shown.

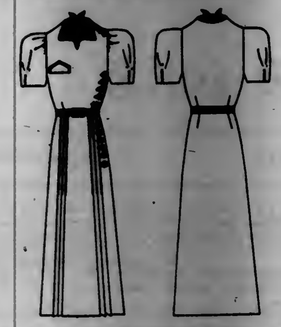
**109,791**
**DESIGN FOR A PERFORATE PROTECTOR PLATE FOR DISPLAY CARDS**
**Edward Senin, Long Beach, N. Y.**
**Application March 11, 1938, Serial No. 75,756**
**Term of patent 14 years**



The ornamental design for a perforate protector plate for display cards as shown.

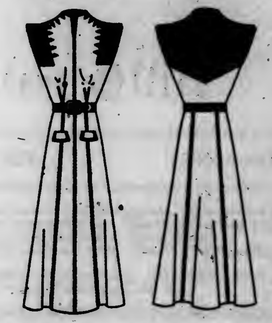


**109,792**
**DESIGN FOR A DRESS**
**Mildred Wagner, New York, N. Y.**
**Application April 21, 1938, Serial No. 76,651**
**Term of patent 3½ years**



The ornamental design for a dress substantially as shown.

**109,793**
**DESIGN FOR A DRESS**
**Mildred Wagner, New York, N. Y.**
**Application April 21, 1938, Serial No. 76,652**
**Term of patent 3½ years**



The ornamental design for a dress substantially as shown.

Patents Nos. 2,118,027 to 2,118,800

# THE OFFICIAL GAZETTE
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# United States Patent Office

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## Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Apr. 23, 1938.*

*Redondo Packing Corp., its assigns or legal representatives take notice:*

An application for cancellation having been filed in this Office by Abe Kanner, 721 North State St., Los Angeles, Calif., to effect the cancellation of trade-mark registration of Redondo Packing Corp., 719 Merritt Bldg., Los Angeles, Calif., No. 159,639, dated September 26, 1922, and the notice of such proceeding sent by registered mail to the said Redondo Packing Corp., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Redondo Packing Corp., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

U. S. PATENT OFFICE, *Washington, D. C., Apr. 27, 1938.*

*Affinity Company, its assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of Bourjois, Inc., 35 West Thirty-fourth Street, New York, N. Y., to effect the cancellation of trade-mark registration No. 157,298, issued August 1, 1922, to Affinity Company, 47 Jefferson Avenue, Grand Rapids, Mich., and a notice of such proceeding sent by registered mail to said Affinity Company at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Affinity Company, its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

U. S. PATENT OFFICE, *Washington, D. C., Apr. 27, 1938.*

*The Royer Shoe Company, its assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of Dollar Brothers Shoe Company, 115 South Main Street, Madisonville, Ky., to effect the cancellation of trade-mark registration No. 217,041, issued August 24, 1926, to The Royer Shoe Company, 149 Crescent Street, Brockton, Mass., and a notice of such proceeding sent by registered mail to said The Royer Shoe Company at said address having been returned by the post office as undeliverable, notice is hereby given that unless said The Royer Shoe Company, its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

U. S. PATENT OFFICE, *Washington, D. C., May 2, 1938.*

*Jiffie-Straight Company, Incorporated, its assigns or legal representatives, take notice:*

An application for cancellation having been filed in this Office by Bella Gold Taback, to effect the cancellation of trade-mark registration of Jiffie-Straight Company, Incorporated, Petersburg, Va., No. 132,422, dated June 22, 1920, and the notice of such proceeding sent by registered mail to the said Jiffie-Straight Company, Incorporated, at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Jiffie-Straight Company, Incorporated, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

## Drawings

Attention is called to paragraphs *g* and *i* of Rule 52 of the Rules of Practice of the Patent Office, and inventors and attorneys are directed to omit from the space outside of the marginal line of the drawings any marks of identification, inasmuch as the space referred to is reserved for the use of the Patent Office. Such identifying marks should be placed upon the back of the drawings.

## Condition of Applications Under Examination at Close of Business May 7, 1938

| Room No. | (Total number of applications awaiting action, excluding Trade-Mark Division, 44,844; Trade-Mark Division, 1,874. Oldest new case, Oct. 1, 1637. oldest amended, Sept. 16, 1637.) (The dates given are 1938 except where † indicates 1637) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS | Oldest new application and oldest action by applicant awaiting office action: New | Amended | No. of applications awaiting action |
|---|---|---|---|---|
| 6624 | 1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage. | †Dec. 4 | †Dec. 4 | 766 |
| 6708 | 2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture. | †Dec. 4 | †Dec. 4 | 947 |
| 4088 | 3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces | Mar. 19 | Mar. 9 | 334 |
| 7083 | 4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes. | Jan. 27 | Jan. 24 | 539 |
| 2077 | 5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons | Feb. 9 | Feb. 15 | 503 |
| 4898C | 6. LEWERS, A. M., Carbon Chemistry (part) | Jan. 10 | †Dec. 31 | 961 |
| 5726 | 7. JARBOE, C. G., Optics; Photography | Jan. 18 | Jan. 18 | 1,005 |
| 3885 | 8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets | Jan. 27 | Jan. 15 | 582 |
| 4626 | 9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors | Feb. 10 | Feb. 14 | 431 |
| 6612 | 10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices. | Jan. 6 | Jan. 10 | 817 |
| 5087B | 11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather. | Jan. 19 | Jan. 24 | 517 |
| 7701 | 12. HENRY, O. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes. | †Oct. 31 | †Oct. 31 | 916 |
| 5066 | 13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling. | †Dec. 27 | †Dec. 27 | 649 |
| 5097 | 14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics· Wire Working; Metal Working, Blanks and Processes. | Feb. 18 | Feb. 19 | 486 |
| 4697 | 15. HENKIN, BENJ., Glass: Plastic Block and Earthenware Apparatus; Plastics | Jan. 15 | Jan. 15 | 1,229 |
| 5716 | 16. SPENCER, C. J., Telegraphy; Telephony | †Dec. 28 | †Dec. 22 | 986 |
| 5701 | 17. ARMSTRONG, H., Ornamentation; Paper Manufactures: Printing: Type Casting: Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting. | Jan. 14 | Jan. 15 | 745 |
| 4612 | 18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | Jan. 7 | Jan. 3 | 492 |
| 4096 | 19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners | Jan. 22 | Jan. 20 | 653 |
| 6605 | 20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making | Jan. 22 | Jan. 28 | 416 |
| 7733 | 21. THOMPSON, T. J., Textiles; Cloth Finishing | Feb. 8 | Feb. 9 | 536 |
| 5600 | 22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | Feb. 7 | Feb. 7 | 625 |
| 7624 | 23. BUTTNER, W. J., Registers (part) | †Oct. 1 | †Sept. 16 | 308 |
| 5083 | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Jan. 26 | Jan. 26 | 631 |
| 5709 | 25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors. | Jan. 20 | Jan. 21 | 614 |
| 5898 | 26. YOUNG, R. R., Electricity, Generation; Motive Power | Jan. 20 | Jan. 12 | 519 |
| 5709 | 27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing | †Nov. 15 | †Nov. 10 | 1,026 |
| 4629 | 28. SOLYOM, H. L., Internal-Combustion Engines | Feb. 4 | Feb. 11 | 320 |
| 5082 | 29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables. | †Nov. 26 | †Nov. 23 | 956 |
| 4089 | 30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats. | †Dec. 8 | †Dec. 9 | 802 |
| 4716 | 31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons | Feb. 7 | Feb. 7 | 548 |
| 4086 | 32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating | Jan. 25 | Jan. 29 | 575 |
| 6096 | 33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads | Feb. 11 | Jan. 26 | 741 |
| 6625 | 34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders. | Feb. 11 | Feb. 11 | 331 |
| 3876 | 35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles | Jan. 27 | Feb. 9 | 572 |
| 7602 | 36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers | †Dec. 6 | †Dec. 10 | 564 |
| 5696B | 37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits | †Nov. 20 | †Nov. 12 | 795 |
| 3084 | 38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions. | †Nov. 7 | †Nov. 7 | 803 |
| 4878 | 39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances. | Jan. 7 | Jan. 7 | 567 |
| 7880 | 40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles | †Dec. 17 | †Dec. 17 | 1,422 |
| 7612 | 41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part) | Jan. 12 | Jan. 3 | 304 |
| 5882 | 42. CUTTINO, H. O., Electric Signaling | †Nov. 26 | †Oct. 29 | 689 |
| 4886B | 43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch. | Feb. 1 | Feb. 1 | 564 |
| 4087B | 44. HARVEY, L. P., Refrigeration; Dispensing Beverages | †Dec. 9 | †Dec. 13 | 738 |
| 7098 | 45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles. | Jan. 15 | Jan. 10 | 790 |
| 4613 | 46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines. | Jan. 10 | Jan. 10 | 598 |
| 6062 | 47. LOWE, E. R. (Act.), Clutches; Brakes | Jan. 19 | Jan. 20 | 677 |
| 5731 | 48. ROEPKE, O. B., Electricity, General Applications; Igniters | Jan. 17 | Jan. 17 | 498 |
| 7726 | 49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification | †Oct. 25 | †Oct. 29 | 935 |
| 4701 | 50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products | Feb. 3 | Feb. 3 | 697 |
| 5628 | 51. BACKUS, C. D., Radiant Energy | Jan. 29 | Jan. 29 | 853 |
| 7709 | 52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits. | Feb. 2 | Jan. 28 | 828 |
| 6607 | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging. | Jan. 10 | Jan. 8 | 734 |
| 5874 | 54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes | Mar. 11 | Mar. 7 | 389 |
| 6888 | 55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery | †Nov. 24 | †Dec. 3 | 1,091 |
| 4726 | 56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making | †Dec. 7 | †Dec. 7 | 1,093 |
| 6613 | 57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys. | Jan. 12 | †Dec. 31 | 487 |
| 5605 | 58. DOWELL, E. F., Abrading; Bottles and Jars | Feb. 1 | Feb. 2 | 320 |
| 4709 | 59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation. | Jan. 27 | Feb. 4 | 647 |
| 5906 | 60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants | †Dec. 31 | †Dec. 31 | 585 |
| 5724 | 61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery. | †Nov. 20 | †Nov. 19 | 704 |
| 5621 | 62. PUGH, E. C. (James; Geometrical Instruments | | | |
| 4888 | 63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation | Feb. 15 | Feb. 19 | 554 |
| 4708 | 64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel. | Feb. 14 | Feb. 8 | 350 |
| 5612 | 65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission | Jan. 7 | Jan. 7 | 1,209 |
| 2099B | TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND | †Dec. 18 | †Dec. 16 | 636 |
| 2005 | DESIGNS: H. H. KALUPY | Apr. 6 | Apr. 20 | 1,335 |
| | | Apr. 11 | Apr. 23 | 239 |
| | | Apr. 1 | Apr. 19 | 636 |



# DECISIONS IN PATENT AND TRADE-MARK CASES

## U. S. Court of Customs and Patent Appeals

THE BON AMI COMPANY
*v.*
McKESSON & ROBBINS, INC.

*No. 3,865. Decided January 24, 1938*

[93 F.(2d) 915]

TRADE-MARKS—CONFUSING SIMILARITY—"SHAV-AMI" AND "BON AMI".

Trade-mark featuring "Shav-ami" for use on shaving cream *Held* confusingly similar to opposer's mark "Bon Ami" registered for use on soap in cake and powder form.

APPEAL from the Patent Office. Reversed.

HATFIELD, *J.*, specially concurring.

*Mr. George Link, Jr.*, for Bon Ami Company.

*Mr. Samuel Herrick* and *Mr. Philip F. Herrick* for McKesson & Robbins, Inc.

BLAND, *J.*:

The appellee filed an application to register the trade-mark "Shav-ami," which it alleged it first used on May 16, 1932, on shaving cream. As a part of the mark, as shown in the application, there is placed over the syllable "ami", in a circular black background, the words "brushless shave", which words are disclaimed apart from the mark shown.

The appellant filed opposition to the said registration, alleging use of the trade-mark "Bon Ami" on soap in cake and powder form and on toothpaste, long prior to any use by applicant. One of appellant's witnesses stated that during the last forty years his company had "received and studied" various uses for Bon Ami and there was introduced into the record a list of such uses, which is in the form of an advertisement, which had been suggested for two of its products—the Bon Ami cake and powder—as polishers and cleaners, as dentifrices, for teeth plates and bridge work (artificial), for razor hones and strops, as a shampoo, as a face pack, and many other uses.

There is some dispute in the record as to whether or not appellant at the time of filing the opposition was engaged in handling toothpaste under the name "Bon Ami" but as we see it this is not a controlling consideration since there is no serious dispute that the goods upon which appellee used its trade-mark "Shave-ami" and the goods upon which appellant placed its mark on and prior to the date when appellee adopted its mark, are of the same descriptive properties. It is the position of appellee, however, that the goods differ in character and it is contended that the differences in the goods and the differences in the marks assure that there will be no confusion by the concurrent use of the two marks on the respective goods of the parties.

The Examiner of Interferences held that the goods were of the same descriptive properties, that the marks were confusingly similar, and that confusion such as the statute seeks to avoid would be likely to result. He pointed out that the rule of doubt should be applied especially in an instance where, as in the case at bar, the evidence shows that the "mark of the opposer symbolizes a wide spread and valuable good will."

Upon appeal to the Commissioner of Patents, the decision of the Examiner of Interferences was reversed. The Commissioner was of the opinion that the goods not being identical, although "they are both toilet preparations and belong to the same general class of merchandise," the marks were "free of deceptive similarity," sounded differently, had a different suggestive meaning, and that confusion was not likely to result.

We are of the opinion that the Commissioner erred in reversing the decision of the Examiner. It is true that there is a difference in the marks and a difference in the goods, but it seems to us that since the mark "Bon Ami" is for a product of every day use, is widely known, and is unusual in its arbitrary character, confusion will be more likely to occur than under other circumstances. "Bon Ami" means "good friend." The appellee uses the same word "ami", pronounces it "ah-mē", and pronounces the whole mark as "shave-ah-mē". It is difficult to understand just why appellee should choose such a mark when the field was so broad to select from. It is hardly supposable that a large, reputable concern like the appellee would seek to profit from confusion and there is nothing in this case to indicate that that is its desire. Nevertheless, we think there is a likelihood of confusion resulting in the concurrent use of the two marks and, like the Examiner, we apply the rule of doubt which requires that doubts, if any, as to confusion, must be resolved against the newcomer.

The appellant points out that in the following cases, the marks involved were held to be confusingly similar: *Langfield* v. *Solvit-All Corp.*, 18 C. C. P. A. (Patents) 1313, 49 F.(2d) 480, 411 O. G. 819—"solvite" and "Solvit-All"; *William Wolfke & Co.* v. *Geo. H. Schafer & Co.*, 49 App. D. C. 254, 263 Fed. 650, 273 O. G. 630—"U-Lavo" and "lava"; *In re Coca-Cola Bottling Co. of Los Angeles*, 18 C. C. P. A. (Patents) 1384, 49 F.(2d) 838, 412 O. G. 559—"Lemon Frost" and "Jack Frost"; *Marion Lambert, Inc.* v. *O'Connor*, 24 C. C. P. A. (Patents) 781, 86 F.(2d) 980, 477 O. G. 244—"Voo" and "Dew"; *Malone* v. *Horowitz*, 17 C. C. P. A. (Patents) 1252, 41 F.(2d) 414, 399 O. G. 416—"Molo" and "Poro"; *Kotex Co.* v. *McArthur*, 18 C. C. P. A. (Patents) 787, 45 F.(2d) 256, 404 O. G. 4—"Rotex" and "Kotex"; and *Simoniz Co.* v. *Permanizing Stations of America, Inc.* 18 C. C. P. A. (Patents) 1374, 49 F.(2d) 846, 412 O. G. 278—"Simoniz" and "Permanize."

On the other hand, the appellee, for supporting authority on the question of confusion, relies upon the following cases which held the involved marks not to be confusingly similar; *Vick Chemical Com-*

*pany v. Thomas Kerfoot Co., Ltd.*, 23 C. C. P. A. (Patents) 752, 80 F.(2d) 73, 463 O. G. 693—"Vapex", "Vicks", and "Vaporub"; *Valvoline Oil Company* v. *Havoline Oil Company*, 211 Fed. 189—"Valvoline" and "Havoline"; *Ansco Photoproducts, Inc.* v. *Eastman Kodak Company*, 57 App. D. C. 246, 19 F.(2d) 720, 364 O. G. 515—"Speedex" and "Speedway"; *Rosenberg Bros. & Co.* v. *Wetherby-Kayser Shoe Co.*, 17 C. C. P. A. (Patents) 794, 37 F.(2d) 457, 394 O. G. 3—"Fashion Lane" and "Fashion Park"; and *Goodall Worsted Company* v. *Palm Knitting Company*, 56 App. D. C. 148, 10 F.(2d) 1013, 352 O. G. 585—"Palm-Knit" and "Palm Beach."

The cases relied upon by the appellee, we think, are not controlling of decision here. Most of the marks involved in those cases, such as "Fashion Park" and "Fashion Lane" are made up of ordinary words used in everyday conversation, whereas the term "ami" is a foreign word and except to distinguish appellant's goods is not commonly used in this country. We think there is much more likelihood of confusion where such terms as "Bon Ami" and "Shav-ami" are concurrently used than there was under the circumstances recited in the cases relied upon by appellee.

The appellant urges that the normal extension of its business would include the handling of shaving cream and that there can be no question about confusion if the marks were used on goods which were identical. While this is a consideration which in close cases has often been resorted to, it is unnecessary for us to discuss it here since it is clear to us that there is a likelihood of confusion in the concurrent use of the two marks upon goods which were dealt in by the respective parties at the time applicant adopted its mark.

The decision of the Commissioner of Patents is reversed.

Reversed.

GRAHAM, the late Presiding Judge, sat during the argument of this case, but died before the opinion was prepared.

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HATFIELD, *J.*, made the following additional observations:

I concur in all that has been said by the court in the opinion by Judge Bland. I desire, however, to add the thought that if the marks "Shav-Ami", which means "shave-friend", and "Bon Ami", which means "good friend", are not confusingly similar, then similar marks, such as "Clean-Ami"—clean friend—and various others, are no more confusingly similar, and would be registrable for use on goods possessing the same descriptive properties as those here involved.

If all that a newcomer in the field need do in order to avoid the charge of confusing similarity is to select a word descriptive of his goods and combine it with a word which is the dominant feature of a registered trade-mark so that the borrowed word becomes the dominant feature of his mark, the registered trade-mark, made valuable and outstanding by extensive advertising and use, soon becomes of little value, and, of course, each of the subsequent imitating trade-marks (and there would be many) is of value only to the extent that its users are trading on the good will of the owner of the original registered trade-mark.

These observations have particular application when the goods on which the respective marks are used are common, inexpensive, and widely used toilet and household articles, and are sold in the same stores.

I do not question the good faith of appellee in selecting its trade-mark "Shav-Ami", but if it has the legal right to take something of substance and value from appellant's trade-mark, others of less conscience have equal legal rights to take something of substance and value from both appellant's and appellee's trade-marks.

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## U. S. Court of Customs and Patent Appeals

WADSWORTH *v.* BLANK

*No. 3,867. Decided December 23, 1937*

[92 F.(2d) 981]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that as to the count on appeal W, the junior party, failed to prove reduction to practice before his filing date and was not diligent and priority was properly awarded to B, the senior party.

APPEAL from the Patent Office. Affirmed.

*Mr. Walter F. Murray* and *Mr. Clarence A. Sackhoff* for Wadsworth.

*Messrs. Allen & Allen, Mr. Erastus S. Allen*, and *Mr. Gibson Yungblut* for Blank.

BLAND, *J.*:

The party David T. Wadsworth has here appealed from the decision of the Board of Appeals of the United States Patent Office, which affirmed the decision of the Examiner of Interferences awarding priority of invention in the single count of the interference here involved to the party Joseph N. Blank, the appellee.

The invention relates to electrical wiring channels which are made in sections which are to be placed in communicating end to end relationship and which are so constructed with apertures at the top and bottom as to enable wiring with cabinets, such as switch cabinets, which may be placed above or below the channels.

The count in issue follows:

3. In combination a series of closable U-shaped wiring channel elements having apertures and free and open end to end communication, apertured cabinets disposed above and below said elements and means including the cabinet and element structure for effecting removable and communicating connection through the apertures of the cabinets and elements.

In the proceeding before the Examiner of Interferences there were three additional counts involved, counts 1 and 2, which are drawn to cover only the electrical wiring channel, and count 4, for a combination not including some of the elements of the count at bar.

As to count 3, which is the one at bar, it was found by the Examiner of Interferences that Wadsworth had failed to establish conception or construction of the invention there defined prior to August 21, 1928, the filing date of his application involved in the interference, which was after the filing date of appellee—June 7, 1928. As to counts 1 and 2, he held that Wadsworth conceived and constructed the channel or base portion defined in said counts in the summer of 1926, which was prior to the earliest date claimed by appellee, and that since the device was of such simple character, the construction of the same constituted a reduction to practice, held no actual tests to be necessary, and cited the case of *Sachs* v. *Wadsworth*, 18 C. C. P. A. (Patents) 1284, 48 F.(2d) 928, 411 O. G. 545. Since Blank conceded that the proofs submitted by Wadsworth established his claim to priority as to the invention defined in count 4, the Examiner of Interferences therefore awarded priority of invention as to counts 1, 2, and 4 to Wadsworth, and awarded priority of invention in count 3 to Blank.

The party Wadsworth appealed to the Board of Appeals, challenging the action of the Examiner of Interferences in awarding priority of invention in said count 3 to Blank. The party Blank did not appeal from the decision of the Examiner of Interferences awarding priority of invention in counts 1, 2, and 4 to Wadsworth. With reference to count 3, the Board said:

The party Wadsworth contends that by awarding this count to his opponent, he will be unable to use his channel structure as defined in counts 1 and 2 in the manner in which it is obviously intended to be used. This count calls for mounting cabinets above and below the channel elements. *While it is very probable that the party Wadsworth intended that his channel elements be used in this manner should conditions require*, still it is clear that he has submitted no proofs that these devices were so arranged prior to the filing date of his application which was later than the filing date of the party Blank. In view of these circumstances, it is clear that priority of invention could not be awarded to the party Wadsworth. [Italics ours.]

Appellant here argues in substance, as he evidently did before the Board, that the real invention of the count at bar rests in the wiring channels which were so constructed in 1926 as to make them adaptable for use with cabinets and that if the count at bar is awarded to the party Blank, he, Wadsworth, may be unable to use his channel structure as defined by the three counts which have been awarded to him.

As we view it, this is not a matter that is of concern here. If there is no invention in the combination count 3 over and above that which is expressed in the three counts awarded to Wadsworth, that question might be considered in connection with the issuance by the Patent Office of a patent to Blank, or it might become a matter for consideration in a court of equity.

Agreeable to the views of the Board of Appeals, we think there is no showing in this record that appellant reduced to practice the elements of the combination count here involved prior to the filing date of the appellee. Appellant argues that the record shows that his assignee in 1926 was marketing cabinets such as are adapted to go above and below the wiring channel and that the Wadsworth cabinets were provided with complementary connecting means which would fit onto the wiring channel. He further states, in substance, that since the connection openings of the cabinets and his wiring channel were arranged to be connected together "it is axiomatic that a branch circuit cabinet could be connected to it." A consideration of these facts, in our judgment, does not change the situation and does not supply the need of proof of reduction to practice of the elements of the count such as is required in this kind of case.

It will be noticed from the foregoing that we have made no finding with respect to whether or not appellant conceived the invention expressed in the count prior to his filing date. If he were awarded a conception date in 1926, he has made no attempt to show diligence in reducing the invention to practice prior to his filing date. He argues here that since he completely reduced to practice by building the wiring channels and providing for the complementary connecting means he had reduced the invention to practice and no showing of diligence was required. Having found that appellant did not reduce the invention to practice prior to his filing date and that there was no showing of diligence from a time just prior to appellee's entrance into the field to appellant's filing date, it follows that priority of invention must be awarded to the party Blank.

We think the Board properly affirmed the decision of the Examiner of Interferences in awarding priority of invention expressed in the count at bar to the party Blank and its decision is affirmed.

Affirmed.

GRAHAM, the late Presiding Judge, sat during the argument of this case, but died before the opinion was prepared.

LENROOT, *J.*, concurs in the conclusion.

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## U. S. Court of Customs and Patent Appeals

IN RE ELLIS AND SCHLAFGE

*No. 3,868. Decided December 23, 1937*

[93 F.(2d) 212]

PATENTABILITY.—SYNTHETIC PRODUCTION OF HARD, STIFF, BOARD-LIKE BODIES.

Certain claims for synthetic board-like body and certain claims for the process of making same *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Modified and remanded.

*Mr. John L. Woodward* and *Mr. H. F. Woodward* for Ellis and Schlafge.

*Mr. R. F. Whitehead* and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 1, 3, 4, 9, to 12, inclusive, 21 to 24, inclusive, 28, 30, 33, 35, 37, 39, 40, 42, 44 to 48, inclusive, 53, and 54 in appellants' application for a patent for an alleged invention relating to the

"synthetic production of hard, stiff, board-like bodies * * * of high tensile strength, which are highly non-water absorbent, and which have a small co-efficient of expansion in the presence of moisture."

The references are: Smith et al., 1,809,316, June 9, 1931; Darrah, 1,856,946, May 3, 1932.

Claims 1, 4, 9, 53, and 54 are illustrative of the process claims. They read:

1. A process for the purpose described, consisting in emulsifying a *raw vegetable drying oil*, mixing the emulsion with pulped raw wood stock, precipitating the emulsion, manipulating the mass to form a thick porous sheet, drying the sheet to remove substantially *ninety-five per cent of water*, and then simultaneously pressing and heating the sheet, in a manner to harden the oil to produce a stiff, hard sheet, in from fifteen to forty minutes.

4. A process for the purpose described consisting in mixing an emulsion of a vegetable drying oil with pulped wood stock, manipulating the mass thus prepared to form a sheet, drying the sheet and then simultaneously *pressing and heating the sheet at pressures within the range of from three hundred to six hundred pounds per square inch, at temperatures ranging from three hundred to five hundred degrees Fahrenheit*, for periods ranging from twenty minutes to one hour.

9. A process for the purpose described consisting of emulsifying a mixture of *raw vegetable oil and size, using an amount of oil substantially within the range of five to twenty per cent of the weight of the finished product, emulsifying the oil by using a weight of water substantially equal to the weight of oil*, and adding to the water a *weight of size substantially within the range of two to five per cent of the weight of the oil*, mixing the water-size with the oil, mixing the emulsion with the pulped wood stock, manipulating the mass to form a sheet, drying the sheet and then simultaneously pressing and heating the sheet, in a manner to harden the oil to produce a stiff, hard sheet.

53. The process of making a hard vegetable fiber product having great water resisting properties which comprises mixing raw vegetable fibers with *that amount of raw drying oil which will polymerize substantially* simultaneously throughout the whole fiber mass when heat is applied, drying the product to remove substantially all the moisture, and simultaneously heating and pressing the product.

54. The process for making a hard board of very high tensile strength and having good water resisting properties which comprises mixing a siccative oil with water-containing pulped vegetable matter, making a sheet, *removing moisture from the sheet so that it does not contain a total moisture substantially more than thirty per cent by weight of the finished product*, and then submitting this sheet to combined action of heat and pressure. [Except the word "submitted," italics ours.]

Claim 21, which is illustrative of the product claims, reads:

21. A hard highly water-resistant board-like body consisting of pulped vegetable material mixed with a vegetable oil, the oil constituting only five to ten per cent of the weight of the body.

Appellants' composition board is made by emulsifying a raw vegetable siccative or drying oil, water, and a size (such as rosin), mixing the emulsion with wood pulp, manipulating the mass so formed into a thick porous sheet, drying the sheet to remove substantially 70 per centum of the water, as stated in substance in claim 54, or substantially 95 per centum of the water, as stated in claim 1, then subjecting the sheet to pressure within the range of from 300 to 600 pounds per square inch, and simultaneously heating it from 20 minutes to one hour at temperatures ranging from 300° to 500° F., as stated in claim 4.

In claim 9 it is stated that the emulsion is prepared by emulsifying an amount of oil, "substantially within the range of five to twenty per cent of the weight of the finished product," with water, substantially equal to the weight of the oil, and size "within the range of two to five per cent of the weight of the oil."

Claim 53 calls for an amount of oil "which will polymerize substantially simultaneously throughout the whole fiber mass when heat is applied."

Appellants state in their specification that the oils used in preparing their emulsions are "tung oil [China-wood oil], perilla oil, soy bean oil, corn oil, or linseed oil"; that the use of rosin in "greater amount than oil" lessens the tensile strength of the finished product; that it has been discovered that good proportions are "six of oil—four of rosin; seven of oil—three of rosin"; and that good products are obtained by the use of China-wood oil or soy bean oil in quantities ranging from 5 to 30 per centum by weight and rosin size in quantities ranging from 1 to 5 per centum of the weight of the oil.

The patent to Smith et al. relates to synthetic boards or other articles, and a process for making the same. The reference discloses the use of wood pulp, such as pine, spruce, etc., containing a rosin. The chips of wood from which the pulp is produced are first subjected to a steam-distillation process for the extraction of turpentine, then treated with naphtha or gasoline to dissolve the rosin (about 5 to 6 per centum of rosin remaining in the chips), and then ground or shredded, "preferably with water, to form a pulp," to which pulp is added a suitable quantity of a siccative or drying oil, such as linseed oil or "China-wood oil," or "semi-drying oils, such as soy-bean oil, fish oil, etc." (It is stated in the patent that other wood pulp might be used and rosin added to the oils.) The oil is beaten into the pulp, the excess water is removed, and the mixture is manipulated into the form of a board or other desired shape and dried at temperatures ranging from 180° to 400° F. The patentees state that

"During the drying, the rosin and drying oil interact to form a water resistant film over the surface of the fibers. If a consolidating pressure is applied during the drying, a dense board not pervious to water may be produced. It is preferred to compress the board during the drying operation to form a board of this character. However, by regulating the pressure and the amount of varnish forming materials, a board may be formed which is somewhat porous, although the individual fibers thereof are coated with the varnish and thus rendered resistant to the absorption of the water by the cellulose and the consequent swelling thereof";

that their varnish might be prepared by boiling the oil and rosin, and then applying a solvent for the purpose of thinning the varnish; that they prefer, however,

"to deposit the varnish-making materials upon the fibers and to thicken or give the body to the varnish during the drying and heating of the article";

that, when the "unpolymerized [unthickened] varnish constituents are added," less solvent is required and the varnish will be better distributed over the fibers; that the physical characteristics of the board might be varied by varying the amount of varnish used and the degree of pressure applied; and that a board of open fibrous construction, resembling an insulating board, might be produced by the use of resinous chips containing 5 to 6 per centum of rosin and a relatively small amount of oil, but that, ordinarily, the

"amount of varnish and pressure used in making the board will be sufficient to form a solid and rather non-porous board"

suitable for exterior work.

Although the patentees do not definitely and clearly disclose the steps of first drying the board and then subjecting it to heat and pressure, they do disclose the step of subjecting it to pressure during the drying operation. They do not state definitely the amount of oil or the proportions of oil and rosin to be used in making a hard board. However, they clearly disclose the use of wood pulp, rosin, and the same oils as are used by appellants in a raw, as well as in a heated, condition in the making of their product.



The patent to Darrah relates to synthetic boards, and a process for making them. The patentee discloses the use of wood pulp, of the same type as that used by appellants, and an emulsion composed of tung oil (China-wood oil) and rosin, and also a soluble pitch made from materials other than drying oils. He refers to heating the oil and rosin, and calls the resultant emulsion a condensation product. He does not expressly disclose the use of a raw vegetable oil, as do appellants. His emulsion is mixed with the wood pulp. The mixture is manipulated into the form of sheets or boards and, in making an insulating board, the wet sheets are dried to the extent of removing over 95 per centum of the water. He states, however, that, if it is desired to make a hard board, he removes in the neighborhood of 60 per centum of the water, and then subjects the partially dried board to heat—approximately 300° F.—and pressures ranging from 500 to 1000 pounds per square inch; that

"The combined effect of pressure and temperature is to produce a hard dense sheet the exact thickness being determined by the amount and kind of raw material used and the amount of pressure and temperatures to which it is subjected";

that, in making a hard board, the pressures may range from 400 to 1000 pounds per square inch; that the time required "in the press" varies according to the amount of water in the sheet or board, and the desired characteristics of the finished product; that the resultant product depends upon the type of drying oils used; and that the preparation of such oils is well known in the art and forms no part of his specification.

Although the patentee does not disclose the precise amount of rosin or oil to be used in his emulsion, he does show the use of rosins, oils (such as linseed oil and China-wood or tung oil), and wood pulp in making a hard board, and the steps of mixing the emulsion with the pulp, manipulating the mass into the form of boards, drying the boards to remove substantially 60 per centum of the water, and then simultaneously heating and pressing them. The temperature and pressures used by the patentee (the temperature approximately 300° F., and the pressures ranging from 400 to 1000 pounds per square inch) are within the range of temperatures (300° to 500° F.) and pressures (300 to 600 pounds per square inch) specified by appellants, e. g. in claim 4. The patentee states that the time required to dry and press the wet sheet or board into a hard board is from 15 to 20 minutes, which is within the range of time specified in the appealed claims.

Counsel for appellants states the issue in the case in the following language:

"there is a tangible difference between the invention in question and the citations urged against it, and the point to be decided is whether or not the creation of this difference involves the exercise of invention."

He argues that the references do not specify, as do appellants, the use of a small amount of raw oil, the preliminary heating of the wet board to remove substantially 95 per centum of the water, and the simultaneous application of heat and pressure to the substantially dry board; and that they do not disclose either appellants' process or the product produced thereby.

It is true that, in making a hard board, neither of the patentees first removes substantially 95 per centum of the water from the wet board, and then subjects the partially dried board to heat and pressure, as do appellants. However, in appealed claim 54 it is stated, in substance, that the preliminary drying of the wet board removes substantially 70 per centum of the water; whereas, in the preliminary drying operation, the patentee Darrah removes in the neighborhood of 60 per centum of the water.

There is nothing in appellants' application to indicate that the removal of substantially 70 per centum of the moisture content of the wet boards in the preliminary drying operation is critical, or that the removal of only 60 per centum of the moisture content, as in Darrah's preliminary drying operation, would in any way affect the final product or have any effect other than that of slightly extending the period of time necessary to perform the last step in appellants' process.

It is argued by counsel for appellants that the references do not disclose the use of a small amount of oil, such an amount, it is stated, as will polymerize substantially simultaneously throughout the entire board.

In the patent to Smith et al. it is stated that the drying process causes the mixture of oil and rosin to "interact and polymerize, and form a varnish upon and penetrating the surfaces of the wood fibers" during the drying operation. That is precisely what takes place in appellants' process.

It is further argued by counsel for appellants that the references do not disclose any knowledge of the advantages obtained by regulating the proportions of sizing and vegetable oils.

As hereinbefore noted, the precise proportions of rosin and oil are not stated in either of the references. However, the patentee Darrah stated, with reference to the use of linseed oil, tung oil, and mixtures of tung oil and rosin, that the preparation of such oils and their blending was well understood in the art.

Although appellants stated in their application that, if rosin is used in quantities greater than oil, the tensile strength of the finished product is decreased, there is nothing therein to indicate that such result was unexpected, or that the proportions of rosin and oil used by them produce a result which differs in kind, rather than in degree, from that produced by the prior art. See *In re Swingle*

*et al.*, 25 C. C. P. A. (Patents) —, 92 F.(2d) 709, and cases therein cited.

It may be that appellants' process produces a better product at less expense than that produced by the prior art. However, we are unable to hold, after a careful consideration of the record and the arguments of counsel for appellants, that appellants' process and the product produced thereby, as defined in the claims hereinbefore considered, involve invention.

This appeal also brings before us process claims 31 and 32, each of which is narrower than any of the other appealed claims hereinbefore considered. Those claims were finally rejected by the Primary Examiner in his decision of October 7, 1935. Thereafter, on December 30, 1935, appellants appealed to the Board of Appeals, and, on the same day, filed an affidavit by George H. Ellis, one of the appellants. On January 31, 1936, in accordance with the provisions of rule 135 of the Rules of Practice in the United States Patent Office, the Primary Examiner filed his answer to the appeal, which he concluded with the following statement:

> Of the method claims on appeal, those numbered 31 and 32 have been reconsidered, in view of applicant's affidavit of record. These claims may be deemed to be directed to allowable subject matter and their allowance is respectfully recommended.

In its decision, the Board of Appeals made no special reference to claims 31 and 32, but stated that it found no error in the position taken by the Primary Examiner, and affirmed his "action."

It is stated in the brief of the Solicitor for the Patent Office that the quoted language in the concluding paragraph of the Primary Examiner's statement in answer to the appeal amounts to a withdrawal of the grounds of rejection as to claims 31 and 32; that, as a matter of fact, the Examiner allowed those claims, subject to the approval of the Board; and that, inasmuch as the Board made no special reference in its decision to such claims but affirmed the "action" of the Examiner, it was the intention of the Board to allow them. In support of his position, the Solicitor cites the case of *In re Wagenhorst*, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 78, 433 O. G. 223, and rule 139 of the Rules of Practice in the United States Patent Office.

It may be, as argued by the Solicitor, that it was the Board's intention, although it did not expressly so state, to accept the recommendation of the Examiner and allow claims 31 and 32. However, it does not clearly appear from the decision of the Board that such was its intention. Under the circumstances hereinbefore related, it would seem that the Board should have expressly accepted or rejected the Examiner's recommendation as to claims 31 and 32. However, probably through inadvertence, it failed to do so. We think it is necessary, therefore, for a proper disposition of the case, to formally reverse the decision of the Board as to claims 31 and 32, and remand the cause for the purpose of affording that tribunal the opportunity to take such action with regard to those claims as it may deem proper.

Accordingly, the decision of the Board is modified, being reversed as to claims 31 and 32, and in all other respects affirmed, and the cause is remanded for proceedings in accordance with the views herein expressed.

Modified and remanded.

GRAHAM, the late Presiding Judge, sat during the argument of this case, but died before the opinion was prepared.

## Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,356,608, J. V. Dorr, Thickener, D. C., N. D. Ill., E. Div., Doc. 15097, *The Dorr Co., Inc.*, v. *Link-Belt Co.* Dismissed without prejudice Mar. 8, 1938.

1,412,025, Martin & Farr, Fifth wheel construction, D. C., N. D. Ohio (Cleveland), Doc. 5232, *Martin Rocking Fifth Wheel & Trailer Co.* v. *General Motors Corp. et al.* Consent decree holding claims 1, 2, and 3 valid, and claims 1 and 3 infringed; injunction (notice Mar. 30, 1938).

1,431,670, J. Klein, Floor lamp, D. C., N. D. Ill., E. Div., Doc. 15059, *Colonial Premier Co.* v. *E. Ruttenberg.* Consent decree finding claim 1 valid Jan. 13, 1938.

1,434,597, J. V. Dorr, Settling apparatus, D. C., N. D. Ill., E. Div., Doc. 15098, *The Dorr Co., Inc.*, v. *Link-Belt Co.* Dismissed without prejudice Mar. 8, 1938.

1,464,514, C. W. Terry, Battery testing instrument, D. C., N. D. Ill., E. Div., Doc. 15611, *The Battery Equipment & Supply Co.* v. *Leterstrone Sales Co.* Dismissed for want of prosecution Nov. 12, 1937.

1,464,628, L. Schwartzberg, Cushion for egg cases, D. C., N. D. Ill., E. Div., Doc. 13574, *L. Schwartzberg* v. *Mapes Consolidated Mfg. Co. et al.* Patent held invalid and not infringed Feb. 19, 1937. Decree affirmed Jan. 26, 1938.

1,482,101, G. A. Taylor, Piston, filed Mar. 19, 1938, D. C., N. D. Ill., E. Div., Doc. 15987, *Motor Research Corp. et al.* v. *Warehousing Service Co. et al.*

1,530,521, J. C. Robinson, Nut guard, D. C., N. D. Ill., E. Div., Doc. 14397, *Oakes Products Corp.* v. *Harbick Lock & Mfg. Co.* Consent decree finding patent valid and infringed; injunction Mar. 15, 1938.

1,562,269, G. L. Williams, Process of tempering light alloys, D. C., N. D. Ill., E. Div., Doc. 14437, *G. L. Williams* v. *Aluminum Co. of America.* Dismissed with prejudice upon merits Jan. 24, 1938.

1,583,496, W. L. Shafer, Heat regulating system, filed Mar. 31, 1938, D. C., E. D. N. Y., Doc. E 8506, *General Electric Co.* v. *Minneapolis-Honeywell Regulator Co.*

1,586,326, C. Older, Metallic expansion joints for concrete roads, D. C., N. D. Ill., E. Div., Doc. 13820, *Highway Appliances Co.* v. *American Concrete Expansion Joint Co. et al.* Decree (upon mandate reversing), finding patent valid and infringed, injunction Mar. 24, 1938.

1,611,767, E. D. Misner, Drive mechanism for washing machines, filed Dec. 29, 1937, D. C., E. D. Mich. (Detroit), Doc. 8277, *Universal Devices, Inc.*, v. *Crowley, Milner & Co.* Dismissed with prejudice Mar. 22, 1938.

1,649,310, E. A. Joline, Flexible shaft, D. C., S. D. N. Y., Doc. E 83/337, *The S. S. White Dental Mfg. Co.* v. *J. A. Fisher Co., Inc., et al.* Decree holding claims 1, 2, 8, 9, and 10 invalid for lack of novelty, dismissed (notice Mar. 28, 1938).

1,704,409, C. E. Scott, Heat-exchange device, filed Mar. 2, 1938, D. C., N. D. Ill., E. Div., Doc. 15967, *McQuay, Inc.* v. *Peerless of America, Inc.*

1,741,145, W. M. Drennon, Sander and buffer, D. C., S. D. Calif., C. Div., Doc. E 1261–RJ, *A. Olson et al.* v. *Sterling Products Co. et al.* Dismissed without prejudice Mar. 29, 1938.

1,747,822, R. D. Flotz, Furnace construction, D. C., N. D. Ill., E. Div., Doc. 13017, *M. H. Detrick Co.* v. *Chicago Fire Brick Co.* Claims 1, 2, 3, 14, 26, 27, 35, 36, 37, 38, 39, 48, 49, 50, 51, and 55, held invalid Apr. 8, 1937. Decree affirmed Mar. 24, 1938.



1,769,581, F. Kilberg, Weather strip, filed Mar. 24, 1938, D. C., N. D. Ill., E. Div., Doc. 15996, *F. Kilberg* v. *W. J. Dennis & Co.*

1,786,998, E. V. Hawkins, Basket, filed Mar. 30, 1938, D. C., N. D. Tex. (Dallas), Doc. E 3792–1048, *Hawkins Handle Corp.* v. *W. Verhalen et al.*

1,788,462, G. F. Johnstone, Etching machine, D. C., N. D. Ill., E. Div., Doc. 14803, *Johnstone Electric Co., Inc.*, v. *Collins & Alexander, Inc.* Dismissed on motion of plaintiff Dec. 29, 1937.

1,802,700, V. A. Boker, Nozzle for lubricating systems, D. C., S. D. Calif., C. Div., Doc. E 1165–RJ, *Min-A-Max Co., Inc.*, v. *Pacific Screw Products Corp.* Consent decree for plaintiff Mar. 31, 1938.

1,866,779, H. F. Snyder, Washing machine, C. C. A., 2d Cir., Doc. —, *The Maytag Co. et al.* v. *Hurley Machine Co. et al.* Decree affirmed (notice Apr. 4, 1938).

1,906,909, J. B. Lawrence, Decalcomania transfer, D. C., N. D. Ill., E. Div., Doc. 15205, *American Decalcomania Co.* v. *Rayner Decalcomania Co.* Dismissed without prejudice Feb. 3, 1938.

1,938,495, Paulin & Froom, Game apparatus, D. C., N. D. Ill., E. Div., Doc. 13792, *B. P. Higby et al.* v. *A. B. T. Mfg. Co., Inc.* Decree on mandate (reversing), finding claims 1, 2, 3, and 18 invalid, claims 6, 7, 8, 9, 20, 21, 22, and 23 invalid; bill dismissed Jan. 25, 1938.

1,959,978, E. O. Freund, Sausage, artificial casing therefor, and the production thereof, D. C., N. D. Ill., E. Div., Doc. 14290, *The Visking Corp.* v. *Transparent Package Co. et al.* Consent decree holding patent valid and infringed; injunction Dec. 27, 1937.

1,969,156, C. H. Schuttler, Heat insulating material, filed Mar. 24, 1938, D. C., N. D. Ill., E. Div., Doc. 15997, *E. Schuttler* v. *Insulating Products Co.*

1,983,187, B. M. Oswell, Counter set-up rack, filed Mar. 17, 1938, D. C., N. D. Ill., E. Div., Doc. 15983, *B. M. Oswell (Guarantee Metal Products)* v. *Bloomfield Mfg. Co.*

1,995,187, Lind & Feigenbaum, Collar or neckband, appeal filed Mar. 31, 1938, C. C. A., 2d Cir., Doc. —, *Aero Neck-Band & Collar Co., Inc., et al.* v. *Beaver Mfg. Co., Inc., et al.*

2,000,633, S. J. Dichter, Garment, D. C., N. D. Ill., E. Div., Doc. 15409, *Martha Maid Mfg. Co.* v. *Form-Fashion Lingerie Mfg. Co., Inc., et al.* Dismissed for want of equity Oct. 26, 1937.

2,003,261, N. B. Lund, Thickener, D. C., N. D. Ill., E. Div., Doc. 15096, *The Dorr Co., Inc.*, v. *Link-Belt Co.* On motion of plaintiff bill dismissed without prejudice Mar. 8, 1938.

2,004,027, D. E. Baxter, Closure for containers, D. C., N. D. Ill., E. Div., Doc. 14862, *Baxter Laboratories, Inc., et al.* v. *The Burrows Co.* Consent decree finding patent valid and infringed; injunction Mar. 9, 1938.

2,015,724, H. B. Meyer, Lighting fixture, D. C., N. D. Ill., E. Div., Doc. 14870, *Colonial Premier Co.* v. *E. Ruttenberg.* On motion of plaintiff, bill dismissed without prejudice Jan. 13, 1938.

2,069,873, E. A. Chenault, Process for the preservation of organic material, D. C., S. D. N. Y., Doc. E 85/5, *H. Derman* v. *L. Gorston et al.* Consent order of discontinuance (notice Apr. 1, 1938).

2,076,906, C. A. MacCordy, Apparatus for making bottle caps; 2,082,167, same, Bottle capping machine, filed Mar. 24, 1938, D. C., N. Y. (Bath), Doc. —, *M. D. Willey* v. *C. A. MacCordy.*

2,082,167. (See 2,076,906.)

2,083,742, Poncher & Newman, Bumper guard, filed Mar. 22, 1938, D. C., N. D. Ill., E. Div., Doc. 15991, *Erie Mfg. Co., Inc.*, v. *The Hamlin Metal Products Co., Inc., et al.*

2,087,519, P. J. Lynn, Mechanical pencil, filed Mar. 11, 1938, D. C., N. D. Ill., E. Div., Doc. 15978, *Dur-O-Lite Pencil Co.* v. *Autopoint Co.*

2,092,745, E. A. Horton, Dispensing device, filed Mar. 7, 1938, D. C., N. D. Ill., E. Div., Doc. 15971, *The Cone Dispenser Corp.* v. *Illinois Baking Corp.*

2,096,672, J. Goodson, Practice apparatus for card games, filed Mar. 29, 1938, D. C., S. D. N. Y., Doc. E 86/372, *Autobridge, Inc., et al.* v. *Tom Thumb Sales Corp.*

2,103,545, R. Miollis, Apparatus for making cheese, filed Mar. 25, 1938, D. C., N. D. Ill., E. Div., Doc. 15999, *R. Miollis* v. *Pure Milk Dairy Products, Inc., et al.*

Re. 19,498, H. C. Otis, Process and apparatus for inserting tubing in wells, filed Mar. 30, 1938, D. C., S. D. W. Va. (Charleston), Doc. 3694, *H. C. Otis et al* v. *United Fuel Gas Co.*

Re. 19,774, Hofammann & Schlatter, Rail anchor, D. C., N. D. Ill., E. Div., Doc. 14961, *Hazeltine Corp.* v. *Stewart-Warner Corp.* Consent order dismissing suit without prejudice Mar. 23, 1938.

Des. 94,727, M. Bernstein, Ensemble dress, D. C., S. D. N. Y., Doc. E 80/301, *Ace High Dresses, Inc.*, v. *Palma Barone (Palma Frocks).* Consent order of discontinuance (notice Mar. 29, 1938).

Des. 96,183, W. Hoffmann, Chair, D. C., N. D. Ill., E. Div., Doc. 15172, *The Howell Co.* v. *Royal Metal Mfg. Co.* Patent held invalid, bill dismissed for want of equity June 23, 1937. Affirmed Jan. 3, 1938. Patent held invalid because of anticipation Jan. 4, 1938.

Des. 96,496, R. Pancotti, Accordion, D. C., S. D. N. Y., Doc. E 81/78, *Excelsior Accordion Mfg. Co., Inc.*, v. *Catena Harmony Accordions, Inc.* Consent order of dismissal without prejudice (notice Mar. 29, 1938).

Des. 99,435, A. C. Grunwald, Ash tray, filed Mar. 11, 1938, D. C., N. D. Ill., E. Div., Doc. 15974, *Precision Metal Workers* v. *Lippert Bar Supply Co.* Doc. 15975, *Precision Metal Workers* v. *S. Miller et al.* (*The Miller China & Glass Co.*).

Des. 104,111, L. A. Koch, Jr., Automobile exhaust shroud, D. C., N. D. Ill., E. Div., Doc. 15939, *Koch Mfg. Co., Inc., et al.* v. *Schnair & Co.* Consent decree holding patent valid and infringed; injunction Feb. 14, 1938. Doc. 15941, *Koch Mfg. Co., Inc., et al.* v. *Champion Products, Inc., et al.* Decree as above.

Des. 107,358, G. S. Lewis, Combined bicycle guard and lamp, filed Mar. 1, 1938, D. C., N. D. Ill., E. Div., Doc. 15965, *Battery Patents Corp.* v. *Chicago Cycle & Supply Co.*

T. M. 69,936, F. W. Fitch, Hair tonic, dandruff remover, soap, etc., D. C., N. D. Ill., E. Div., Doc. 15520, *The F. W. Fitch Co.* v. *C. E. Koch et al.* (*Co-Operative Buyers' Service*). Dismissed for want of prosecution Oct. 4, 1937.

T. M. 283,831, Dr. Miles Medical Co., Anti-acid effervescent preparations, filed Mar. 31, 1938, D. C., N. D. Ill., E. Div., Doc. 16018, *Miles Laboratories, Inc.*, v. *J. E. McBrady et al.*

## Adjudicated Patents

(D. C. Mass.) Kline patent, No. 1,658,052, for fastener, claims 3 and 6 *Held* invalid. *Acco Products* v. *Wilson-Jones Co.*, 22 F. Supp. 682.

(C. C. A. Ill.) Foltz patent, No. 1,747,822, for furnace construction, claims 1 to 3, 14, 26, 27, 35 to 39, 48 to 51, and 55 *Held* invalid. *M. H. Detrick Co.* v. *Chicago Fire Brick Co.*, 95 F.(2d) 455.

(C. C. A. N. Y.) Wessman patent, No. 1,766,420, for paper-cup-making machine, claims 76, 77, 101, 102, 104, 107 to 111, 114, 149, 150, 152, 153, 156, 164, and 165 *Held* invalid, and claims 76, 77, 89, 142 to 144, 147, 151,

154, and 155 *Held* not infringed. *Dixie-Vortex Co.* v. *Lily-Tulip Cup Corporation*, 95 F.(2d) 461.

(D. C. Minn.) Burman patent, No. 1,949,353, for laundry tub and soap tray. *Held* valid and infringed. *Burman* v. *Larbey*, 22 F. Supp. 633.

(C. C. A. N. Y.) Johnson design patent, No. 74,793, for paper cup or similar article, *Held* invalid. *Dixie-Vortex Co.* v. *Lily-Tulip Cup Corporation*, 95 F.(2d) 461.

(D. C. Mass.) Grant reissue patent, No. 14,974, for paper-fastener, claims 1 to 6 *Held* invalid but if valid not infringed. *Acco Products* v. *Wilson-Jones Co.*, 22 F. Supp. 682.

## Disclaimers

1,645,950.—*Francis J. Hines*, Brooklyn, N. Y. ELECTRICAL RECEPTACLE. Patent dated October 18, 1927. Disclaimer filed May 3, 1938, by the assignee, *Hines Electrical Specialties, Inc.*

Hereby enters this disclaimer to claims 1 and 4 of said Letters Patent.

1,808,721.—*Carl I. Hayes*, Providence, R. I. METHOD FOR HEAT TREATMENT. Patent dated June 2, 1931. Disclaimer filed April 19, 1938, by the assignee, *Harold C. Field*; the patentee approving and concurring.

Hereby enters this disclaimer of claims 1 and 6 of said Letters Patent.

1,852,459.—*Francis J. Hines*, Brooklyn, N. Y. ELECTRICAL RECEPTACLE. Patent dated April 5, 1932. Disclaimer filed May 3, 1938, by the assignee, *Hines Electrical Specialties, Inc.*

Hereby enters this disclaimer to claims 5, 6, and 8 of said Letters Patent.

1,944,008.—*Floyd B. Hobart*, Columbus, Ohio. HEAT INSULATING MATERIAL AND METHOD OF MAKING THE SAME. Patent dated January 16, 1934. Disclaimer filed April 29, 1938, by the assignee, *The Battelle Development Corporation.*

Hereby enters this disclaimer to claim 29 in said specification.

1,969,801.—*Emil Klarmann*, Jersey City, N. J. HYDROCARBON SUBSTITUTED BROMOPHENOL. Patent dated August 14, 1934. Disclaimer filed April 27, 1938, by the assignee, *Lehn & Fink Products Corporation.*

Hereby enters its disclaimer to claim 4 of said Letters Patent.

2,002,235.—*Willard L. Morrison*, Lake Forest, Ill. AIR COOLING AND CIRCULATING DEVICE. Patent dated May 21, 1935. Disclaimer filed May 2, 1938, by the patentee.

Hereby enters his disclaimer to claim 1 of the said patent.

2,026,865.—*John Campbell* and *Robert G. Quinn*, Glens Falls, N. Y. METHOD OF PRODUCING A CELLULOSE PRODUCT. Patent dated January 7, 1936. Disclaimer filed April 22, 1938, by the assignee, *International Paper Company.*

Hereby enters this disclaimer to claims 1, 2, 5, and 8 of the specification of said patent.

2,046,304.—*Walter S. Brubaker* and *Armas J. Saarinen*, San Francisco, Calif. AUTOMATIC CONTROL MEANS. Patent dated June 30, 1936. Disclaimer filed April 13, 1938, by the assignee, *Granberg Meter Corporation.*

Hereby enters this disclaimer to claims 3, 4, 5, 6, and 8 of said Letters Patent.

2,063,066.—*Clarence W. Vogt*, Louisville, Ky. METHOD AND APPARATUS OF PROCESSING MATERIAL. Patent dated December 8, 1936. Disclaimer filed April 30, 1938, by the assignee, *The Girdler Corporation.*

Hereby enters this disclaimer to claim 19 in said specification.

2,071,544.—*Harry David Kroll*, Los Angeles, Calif. SELF-LOCKING SLIDER FOR MULTIPLE FASTENERS. Patent dated February 23, 1937. Disclaimer filed March 30, 1938, by the patentee.

Hereby disclaims from the scope of said Letters Patent, claim 2 in toto.

2,076,013.—*Malcolm P. Youker*, Bartlesville, Okla. COMBINED STABILIZING AND GAS CONVERSION PROCESS. Patent dated April 6, 1937. Disclaimer filed April 21, 1938, by the assignee, *Phillips Petroleum Company.*

Hereby enters disclaimer to the subject matter of claims 1 to 4 inclusive except insofar as said claims apply to a process in which unstable natural gasoline constitutes the stock to be treated by the process.

# TRADE-MARKS

## OFFICIAL GAZETTE, MAY 24, 1938

[VOL. 490. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

### CLASS 1

**Raw or Partly Prepared Materials**

Ser. No. 403,137. THE KENDALL COMPANY, Walpole, Mass. Filed Feb. 17, 1938.

WEBRIL

For Felt-Like or Cloth-Like Sheet Materials Composed of Unspun Fibers, Such as Cellulosic Fibers, Unified by the Bonding of the Fibers to Each Other.

Claims use since Jan. 10, 1938.

Ser. No. 404,075. BALLY, INC., New York, N. Y. Filed Mar. 15, 1938.

RELAX-CALF

The word "Calf" is disclaimed apart from the mark.

For Leather.

Claims use since Sept. 23, 1937.

### CLASS 2

**Receptacles**

Ser. No. 403,992. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Mar. 12, 1938.

Super Suds

For Soap Containers Which Are Sold or Distributed Empty.

Claims use since Jan. 25, 1938.

### CLASS 4

**Abrasive, Detergent, and Polishing Materials**

Ser. No. 389,652. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Mar. 4, 1937.

"SANDY SMOOTH"



The representation of the man and the words "Sandy Smooth" are fanciful. The representation of the goods is disclaimed apart from the mark.

For Abrasive Cloth and Abrasive Paper.

Claims use since April, 1934.

Ser. No. 400,517. METAL TEXTILE CORPORATION, West Orange, N. J. Filed Dec. 6, 1937.

GOLDYLOCKS

For Scouring and Cleaning Devices Made of Metallic Material.

Claims use since July 20, 1937.

Ser. No. 401,380. ENSIGN PRODUCTS COMPANY, Cleveland, Ohio. Filed Dec. 30, 1937.



The word "Ensign" is disclaimed apart from the mark.
For Belt Dressing and Preserver and a Rope Dressing and Preserver.
Claims use since Nov. 1, 1931.

## CLASS 6

### Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 375,122. LONNIE F. BROWN, Los Angeles, Calif. Filed Feb. 24, 1936.



The mark consists of the letters GB.
For Medicinal Preparation for the Treatment of Neuritis.
Claims use since Sept. 28, 1935.

Ser. No. 384,231. AMERICAN MEDICAL SPECIALTIES CO. INC., New York, N. Y. Filed Oct. 12, 1936.




No claim is made to the word "Product" apart from the mark.
For Ethylchloride Used for Medicinal Purposes, and Lubricating Jelly Used for Lubricating Surgical Instruments and Appliances.
Claims use since Nov. 30, 1931.

Ser. No. 389,564. MENSEZE COMPANY, INCORPORATED, Atlanta, Ga. Filed Mar. 2, 1937.

MENSEZE

For Preparation for the Relief of Menstrual Pain.
Claims use since Feb. 2, 1937.

Ser. No. 396,358. GAMBLE STORES INCORPORATED, Minneapolis, Minn. Filed Aug. 13, 1937.




The portrait is fanciful.
For Face Powder, Almond Lotion, Cold Cream, Witch Hazel, Skin Nourishing Cream, Brilliantine, Glycerine and Rose Water Lotion.
Claims use since June 4, 1937.

Ser. No. 397,027. ETABLISSEMENTS L. D. P. (LABORATOIRES DU PARAGERM ET DE PRODUITS CHIMIQUES), Neuilly-sur-Seine, France. Filed Sept. 2, 1937.

PARAGERM

For Antiseptics.
Claims use since November, 1936.

Ser. No. 397,933. FRANK A. HART, New York, N. Y. Filed Sept. 29, 1937.




The drawing is lined for red. The word "Skin" is disclaimed apart from the mark.
For Medicaments for Treating Skin Diseases.
Claims use since January, 1930.

Ser. No. 398,069. THE WILLIAM A. WEBSTER CO., Memphis, Tenn. Filed Oct. 2, 1937.




The portraits are fanciful. The word "Sheen" is disclaimed apart from the mark.
For Hair Dressings and Shampoos.
Claims use since June 10, 1937.



Ser. No. 399,449. GIBBS & COMPANY, Chicago, Ill. Filed Nov. 8, 1937.

Nature-Glo

Exclusive use of the word "Glo" is disclaimed.
For Nail Polish Preparations, Hair Preparations.
Claims use since Dec. 1, 1932.

Ser. No. 399,524. HANS HAAG, Berlin, Germany. Filed Nov. 9, 1937.

Illo

For Preparation for Killing Animals and Plants, Disinfectants.
Claims use since June 13, 1935.

Ser. No. 401,424. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed Dec. 31, 1937.

MOYST

For All Over Body Lotion.
Claims use since Sept. 1, 1935.

Ser. No. 401,549. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn. Filed Jan. 5, 1938.

Sequins

For Nail Polish and Bleach and Powders, Skin Lotions, Beauty Creams, and Preparations for use as Softeners for the Hands, Feet, and Face, and Cuticle Creams.
Claims use since Nov. 15, 1937.

Ser. No. 401,577. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed Jan. 5, 1938.



No claim is made to the prescription symbol (℞) apart from the mark.
For Acetphenetidin (Acetophenetidinum), Acid Acetylsalicylic (Acidum Acetylsalicylicum), Acid Arsenous (Arseni Trioxidum), Acid Boric (Acidum Boricum), Acid Salicylic (Acidum Salicylicum), Acid Tannic (Acidum Tannicum), Aminopyrine (Aminopyrina), Ammonium Chloride (Ammonii Chloridum), Antipyrine (Antipyrina), Bismuth Subcarbonate (Bismuthi Subcarbonas), Bismuth Subgallate (Bismuthi Subgallas), Bismuth Subnitrate (Bismuthi Subnitras), Borax (Sodii Boras), Caffeine Alkaloid (Caffeina), Caffeine Citrated (Caffeina Citrata), Calamine Prepared (Calamina Praeparata), Calomel (Hydrargyri Chloridum Mite), Camphor Monobromated (Camphora Monobromata), Chloral Hydrate (Chloralis Hydras), Cinchophen (Cinchophenum), Corrosive Sublimate (Hydrargyri Bichloridum), Hexamethylenamine (Methenamina), Iron Reduced (Ferrum Reductum), Magnesium Oxide (Magnesii Oxidum Ponderosum), Menthol, Mercury Ammoniated (Hydrargyrum Ammoniatum), Milk Sugar (Lactosum), Phenobarbital (Phenobarbitalum), Phenolphthalein (Phenolphthaleinum), Potassium Acetate (Potassii Acetas), Potassium Bromide (Potassii Bromidum), Potassium Citrate (Potassii Citras), Potassium Iodide (Potassii Iodidum), Potassium Permanganate (Potassii Permanganas), Quinine Sulfate (Quininae Sulfas), Resorcinol, Salol (Phenylis Salicylas), Sodium Benzoate (Sodii Benzoas), Sodium Bicarbonate (Sodii Bicarbonas), Sodium Bromide (Sodii Bromidum), Sodium Citrate (Sodii Citras), Sodium Iodide (Sodii Iodidum), Sodium Salicylate (Sodii Salicylas), Strychnine Sulfate (Strychninae Sulfas), Sulfur Precipitated (Sulfur Praecipitatum), Terpin Hydrate (Terpini Hydras), Theobromine Sodio-Salicylate (Theobromina Cum Sodii Sal.), Thymol Iodide (Thymolis Iodidum), Zinc Oxide (Zinci Oxidum), and Zinc Sulfate (Zinci Sulfas).
Claims use since Sept. 25, 1937.

Ser. No. 401,903. METALLGESELLSCHAFT AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Jan. 14, 1938.

METALLOGEN

For Chemical Products for Industrial Purposes—Namely, Chemical Preparations for Use as Anti-Corrosives and for Rust Proofing.
Claims use since 1935.

Ser. No. 402,003. ADELAIDE J. HAWLEY, Hollywood, Calif. Filed Jan. 17, 1938.




The word "Hollywood" is disclaimed apart from the mark.
For Feminine Hygiene Preparation.
Claims use since Dec. 1, 1936.





Ser. No. 404,577. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Feb. 14, 1938.

Ser. No. 404,893. GENERAL DIESETTE CORPORATION, New

Ser. No. 402,037. DAVID T. TWEDDLE, doing business as House of Tweddle, Los Angeles, Calif. Filed Jan. 17, 1938.

TWEDDLE'S
TWEDEX

The word "Tweddle's" is disclaimed apart from the mark.
For Preparation for the Relief of Sinus Infections.
Claims use since July 17, 1937.

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Ser. No. 402,796. ROBERT M. SEARLES, doing business as Rust-O-Vac Company, Philadelphia, Pa. Filed Feb. 7, 1938.

**Rust-O-Vac**

The term "Rust" is disclaimed apart from the mark.
For Liquid Rust Eliminator and Preventive for Automobile Radiators.
Claims use since Jan. 22, 1938.

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Ser. No. 402,800. TYLER LABORATORIES, INC., Brooklyn, N. Y. Filed Feb. 7, 1938.

**IO-MAL**

For Alterative Food Supplement for Animals, a Compound Solution of Iodine with Protein Material to Make it Non-Irritating and Readily Assimilable.
Claims use since June 1, 1934.

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Ser. No. 402,887. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Feb. 9, 1938.

**MYCOBAN**

For Ingredients, Both in Liquid and Powder Form, Designed to Inhibit the Growth of Mold and Bacterial Organisms in Foods.
Claims use since Jan. 26, 1938.

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Ser. No. 402,909. MIGUEL J. HERNANDEZ, doing business as Fasco-Triadol Company, New York, N. Y. Filed Feb. 10, 1938.

**TRIADOL**

For Medicine for the Treatment of Dysmenorrhea, Biliary and Intestinal Colics, Pain of Locomotor Ataxia, and in Some Forms of Migraine.
Claims use since Feb. 1, 1938.

Ser. No. 402,989. LUCIE H. SMITH, Duluth, Minn. Filed Feb. 12, 1938.

SALBA

For Antiseptic Lotion for Chaps, Burns, and Skin Irritations, Antiseptic Rectal Suppositories, and Antiseptic Cough Syrup.
Claims use since Jan. 18, 1938.

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Ser. No. 403,056. PARFUMS REVILLON, Paris, France. Filed Feb. 15, 1938.

**Egoïste**

For Perfumes.
Claims use since Sept. 12, 1935.

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Ser. No. 403,138. LENTHERIC, INCORPORATED, New York, N. Y. Filed Feb. 17, 1938.

**BEAU POT**

For Preparations for Perfuming Rooms, Closets, and the Like.
Claims use since Feb. 4, 1938.

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Ser. No. 404,242. TWIN CITY MFG. CO., INC., Norfolk, Va. Filed Mar. 18, 1938.

**JACK HORNER**

For Ammonia, Castor Oil, White Petroleum Jelly, Epsom Salt, Rubbing Alcohol, and Aspirin.
Claims use on castor oil and turpentine since June 17, 1922; on white petroleum jelly since Sept. 24, 1934; on Epsom salt and aspirin since June 12, 1936; and on rubbing alcohol since May 5, 1937.

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Ser. No. 404,485. ARTHUR W. PITTS, doing business as Nephron Co., Tacoma, Wash. Filed Mar. 25, 1938.

AERIMIST

For Inhalant Used in Treatment of Asthma and Hayfever.
Claims use since Dec. 14, 1937.



Ser. No. 404,577. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Mar. 28, 1938.

**SANTOBRITE**

For Insecticides, Germicides, Algicides, Bactericides, Fungicides, and Disinfectants.
Claims use since Apr. 2, 1936.

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Ser. No. 404,612. THE F. & R. LAZARUS & CO., Columbus, Ohio. Filed Mar. 29, 1938.

*Marianne*

For Cosmetics—Namely, Eau de Cologne, Skin Freshener, Dry Skin Cleanser, Base Cream, Hand Lotion, Cold, Liquefying, Special Rich, and Foundation Creams.
Claims use since January, 1938.

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Ser. No. 404,784. TEX-ITE PRODUCTS CORPORATION, Brooklyn, N. Y. Filed Apr. 1, 1938.

**TEX-ITE**

For Concentrated Lye, Drain Solvent, Baking Soda (Bicarbonate of Soda), Borax, and Washing Soda (Sal Soda).
Claims use since Sept. 1, 1926.

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Ser. No. 404,865. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Apr. 4, 1938.

**DILANTIN**

For Preparation Intended for the Treatment of Spasmodic and Convulsive Conditions.
Claims use since Mar. 17, 1938.

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Ser. No. 404,881. JOSE MIGUEL GIOL CABASSA, doing business as Laboratorios Granchel, Santurce, P. R. Filed Apr. 4, 1938.

MAGNESIA PESADA
GRANCHEL
UN PURGANTE DE AGRADABLE SABOR

Applicant disclaims the words "Magnesia Pesada un Purgante de Agradable Sabor" apart from the mark.
For Magnesia.
Claims use since May 8, 1935.

Ser. No. 404,893. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed Apr. 5, 1938.

**AUXANINE**

For Product for Improving the Light Fastness of Dyeings.
Claims use since June 18, 1928.

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Ser. No. 404,983. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Apr. 7, 1938.

**FOSCO**

For Chemical Compound for Use in the Manufacture of Baking Powder and Self-Rising Flour.
Claims use since Feb. 16, 1938.

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Ser. No. 404,984. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Apr. 7, 1938.

**SNOFOS**

For Chemical Compound for Use in the Manufacture of Baking Powder and Self-Rising Flour.
Claims use since Feb. 16, 1938.

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Ser. No. 404,985. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Apr. 7, 1938.

**FLASHON**

For Fluxing Compound.
Claims use since Feb. 26, 1938.

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Ser. No. 404,986. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Apr. 7, 1938.

**SOFITE**

For Reducing Agent for Use in Textile and Other Industries.
Claims use since Feb. 24, 1938.

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Ser. No. 405,005. ELIZABETH ARDEN, INC., New York, N. Y. Filed Apr. 8, 1938.

*Miss Jezebel*

For Perfumes and Toilet Waters.
Claims use since Apr. 5, 1938.



CLASS 8



Wool Felt Insulation Furnace Coverings Asbestos

Ser. No. 402,773. GOLDBERG BROTHERS, Denver, Colo.

Ser. No. 405,119. INLAND LABORATORIES, INCORPORATED, Indianapolis, Ind. Filed Apr. 11, 1938.




The colors blue and white are claimed as features of the mark. No claim is made to the word "Alkalizer" apart from the mark.
For Effervescent Alkalizer.
Claims use since Apr. 5, 1938.

Ser. No. 405,205. GUY T. GIBSON, INC., New York, N. Y. Filed Apr. 13, 1938.

DANGER

For Perfumes, Colognes, Toilet Water, Face Powders, Dusting Powders, Sachets, and Compacts of Rouge, Powder, and Lipstick.
Claims use since Mar. 18, 1938.

Ser. No. 405,239. BETHESDA PHARMACAL COMPANY, Bethesda, Md. Filed Apr. 14, 1938.




For Preparation for the Treatment of Epidermophytosis, Athlete's Foot, Golfer's Itch, Dobie's Itch, Trichophytosis (Ringworm of the Foot), and Other Conditions Caused by the Various Species of the Tricophyton Fungi.
Claims use since Mar. 1, 1938.

Ser. No. 405,260. LIN-TOX CORPORATION, Port Chester, N. Y. Filed Apr. 14, 1938.

SMACK

For Insecticides.
Claims use since Dec. 1, 1937.

## CLASS 8

### Smokers' Articles, Not Including Tobacco Products

Ser. No. 404,520. FLATLEY BROS., Rock Island, Ill. Filed Mar. 26, 1938.

FLATLEY
JIFFY-CLEAN

Applicant disclaims the words "Flatley" and "Clean" apart from the mark.
For Smokers' Pipes.
Claims use since Mar. 1, 1938.

## CLASS 12

### Construction Materials

Ser. No. 391,755. LLOYD A. FRY ROOFING CO., Chicago, Ill. Filed Apr. 23, 1937.




The word "Roofing" is disclaimed apart from the mark. The drawing is lined for orange.
For Roofing Material.
Claims use since Feb. 22, 1932.

Ser. No. 403,604. KEASBEY & MATTISON COMPANY, Ambler, Pa. Filed Mar. 4, 1938.




No claim is made to the words "Best in Asbestos" apart from the mark.
For Asbestos Cements, Asbestos Papers, Asbestos Shingles, Composition Shingles, Asbestos Mill Board, Wool Felt Insulation, Furnace Coverings, Asbestos Boards, Slabs, Tiles, Sheets and Sidings, Wall Boards, Pipe Coverings, Block Insulation, Asbestos Lumber, Mineral Wool, Hair Felt, Magnesia Insulation Comprising Magnesium and Asbestos Fibre, Composition Boards and Miscellaneous Building Products and Materials Composed of Asbestos Cement Composition Such as Doors, Studding, Partitions, and Roofing.
Claims use since June, 1937.



## CLASS 13

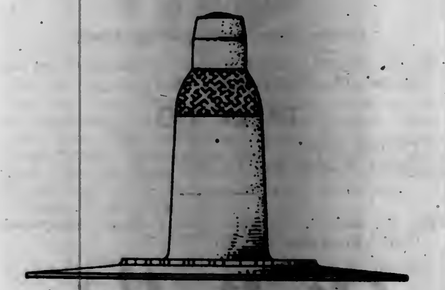
### Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 381,175. THE SWARTWOUT COMPANY, Cleveland, Ohio. Filed July 18, 1936.

"S-C"

For Boiler Fittings, Valve and Pump Control Valves and Governors, Vacuum Governors, Valve Control Steam Generators, Desuperheater Valves and Governors, Differential Valves, Pump Governors, Relief Valves, Steam Traps, Exhaust Heads, Liquid Level Controls, Feed Water Regulators, Feed Water Valves, Pressure Operated Master Control Valves, Reducing Valves, Thermally Operated Master Control Valves, Feed Water Regulator Valves, Hand and Pressure Actuated Steam, Water, Air, Gas and Oil Valves, Feed Water Heater Valves and Governors, Air Relief Valves, Drainage Control Valves and Equipment, and Water Level Control Valves.
Claims use since 1903.

Ser. No. 396,921. JENKINS BROS., New York, N. Y. Filed Aug. 30, 1937.



The mark consists of an orange colored band applied around the valve stem. The representation of the goods is disclaimed.
For Tire Valve Stems.
Claims use since June 10, 1937.

490 O. G.—49

Ser. No. 402,773. GOLDBERG BROTHERS, Denver, Colo. Filed Feb. 7, 1938.




The portrait is fanciful. The words "No Draft" and "Speaking Tube" and the representation of the goods are disclaimed apart from the mark.
For Speaking Tube for Use in Ticket Dispensing Booths.
Claims use since Sept. 1, 1937.

Ser. No. 403,291. THE ALUMINUM COOKING UTENSIL COMPANY, New Kensington, Pa. Filed Feb. 23, 1938.



For Cooking Hollow-Ware Made of Aluminum or Alloys of Aluminum.
Claims use since May 1, 1937.

## CLASS 16

### Paints and Painters' Materials

Ser. No. 397,401. CROSBIE-SABALE, INC., Richmond, Calif. Filed Sept. 14, 1937.

WONDERSHEEN

For Ready Mixed Paints, Ready Mixed Paint Enamel, Ready Mixed Varnishes, and Ready Mixed Lacquers.
Claims use since Nov. 15, 1933.

Ser. No. 403,923. JOSEPH A. SCHMIDT, doing business as Schmidt & Co., West Allis, Wis. Filed Mar. 10, 1938.

FLORAX

For Wax Used on Dance Floors.
Claims use since Sept. 1, 1937.

Ser. No. 404,857. I. F. LAUCKS, INC., Seattle, Wash. Filed Apr. 4, 1938.

LAUXCOTE

For Calcimines and Inside and Outside Cold Water Paints.
Claims use since Mar. 22, 1938.

## CLASS 17

### Tobacco Products

Ser. No. 404,632. CRIMSON COACH INCORPORATED, Toledo, Ohio. Filed Mar. 30, 1938.

Coach and Four

For Smoking and Chewing Tobacco, Cigars, and Cigarettes.
Claims use since June 2, 1934.

## CLASS 19

### Vehicles, Not Including Engines

Ser. No. 394,735. TRICO PRODUCTS CORPORATION, Buffalo, N. Y. Filed June 30, 1937.

TRICO

For Windshield Wipers and Parts Thereof, Blades, Arms, Auxiliary Arms, Windshield Wiper Renewal Parts Sets, Automatic Windshield Washing Vehicle Attachments, and Adaptors and Vehicle Vacuum Equalizer Tanks Used in Windshield Cleaner Systems.
Claims use since May, 1918.

## CLASS 21

### Electrical Apparatus, Machines, and Supplies

Ser. No. 395,845. THE TORRINGTON MANUFACTURING COMPANY, Torrington, Conn. Filed July 30, 1937.

AUTOCRAT

For Electrically Driven Fans for Automobile Heaters and Defrosters, Consisting Specifically of Propeller Type Fans, Paddle Type Blower Wheels, and Combination Propeller and Centrifugal Fans, All for Use in the Said Heaters and Defrosters.
Claims use since Oct. 27, 1936.

Ser. No. 400,604. JOSEPH S. LOSEE, doing business as Losee Products Company, Hebron, Ill. Filed Dec. 8, 1937.

Dairy-Maid

The word "Dairy" apart from the mark is disclaimed.
For Electric Water Heaters.
Claims use since Aug. 10, 1937.

Ser. No. 401,993. EAGLE SIGNAL CORPORATION, Moline, Ill. Filed Jan. 17, 1938.

POLYFLEX

For Electrical Timing Relays, Switches for Opening or Closing Electrical Circuits in a Timed Sequence, and Parts of Such Timers and Switches.
Claims use since July 16, 1937.

Ser. No. 404,500. URANIUM LIGHTING CORPORATION, New York, N. Y. Filed Mar. 25, 1938.




The drawing is lined for blue.
For Electric Lighting Fixtures and Parts Thereof, Including Reflectors.
Claims use since Feb. 15, 1937.

## CLASS 22

### Games, Toys, and Sporting Goods

Ser. No. 380,562. GREAT WESTERN ATHLETIC GOODS CO., Chicago, Ill. Filed July 3, 1936.

TALLY HO

For Golf Balls.
Claims use since Apr. 17, 1936.

Ser. No. 390,764. GENERAL FILM COMPANY, Hollywood, Calif. Filed Mar. 27, 1937.

Skill Nite

For Game Consisting of a Target at Which Darts Are Thrown to Indicate the Player's Score.
Claims use since Jan. 15, 1937.



Ser. No. 402,410. JOHN W. BRASELTON, Tulsa, Okla. Filed Jan. 28, 1938.




No claim is made to the word "Minton" or to representation of the paddles and shuttlecock apart from the mark.
For Miniature Game Known as Badminton Played with a Shuttle and Paddles.
Claims use since Nov. 1, 1937.

Ser. No. 403,976. ROBERT MOREY, New Haven, Conn. Filed Mar. 12, 1938.

Privilege

For Card Game and Its Accessories.
Claims use since Dec. 1, 1937.

## CLASS 23

### Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 393,684. ARTOS ENGINEERING COMPANY, Milwaukee, Wis. Filed June 5, 1937.

ARTOS

For Machines for Labeling, Marking, Feeding, Cutting, Stripping, Folding, Straightening, Bending, Coiling and/or Tipping Materials Having Elongated Shape, Such as Wire, Cable, Cord, Gimp, Braid, Bars, Strips, Tubing, Bands, Straps, Tape, Welting or the Like, and Formed of Substances Such as Metal, Wood, Paper, Cloth, Insulation, Rubber, Leather, Gauze, Lace, Cellulose or the Like.
Claims use since May, 1911.

Ser. No. 396,109. STERLING SWEEPER COMPANY, Holland, Mich. Filed Aug. 9, 1937.

Metro

For Carpet Sweepers.
Claims use since Mar. 20, 1934.

Ser. No. 397,029. ERNEST CHARLES GUTH, Buenos Aires, Argentina. Filed Sept. 2, 1937.

FASHIONABLE

For Safety Razor Blades.
Claims use since July 2, 1937.

Ser. No. 401,534. METALLIZING ENGINEERING COMPANY, INC., New York, N. Y. Filed Jan. 4, 1938.




The representation of the spray gun is disclaimed apart from the mark.
For Metal Spray Guns, Parts of Metal Spray Guns, and Equipment Used in Connection with Spray Guns—i. e., Reel Stands for Handling Wire, Air Compressors, Compressed Air Regulators, Gas Regulators, Compressed Air Cleaning and Drying Equipment, Sand and Grit Blasting Equipment, Sprays and Sandblast Masks and Respirators.
Claims use since Oct. 20, 1934.

Ser. No. 402,384. MIRACLE DRY SHAVER CORPORATION, Chicago, Ill. Filed Jan. 27, 1938.

Swank

For Dry Shavers.
Claims use since Jan. 10, 1938.

## CLASS 24

### Laundry Appliances and Machines

Ser. No. 404,630. CALIFORNIA LAUNDRY EQUIPMENT CO., Oakland, Calif. Filed Mar. 30, 1938.

CALECO

For Laundry Machinery and Parts Thereof.
Claims use since May 14, 1937.

## CLASS 26

### Measuring and Scientific Appliances

Ser. No. 401,205. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Dec. 24, 1937.

SUPER ARMORPLATE

For Ophthalmic Lenses and Blanks Therefor.
Claims use since 1920.

Ser. No. 401,831. MARINE OPTICAL MFG. CO., Boston, Mass. Filed Jan. 12, 1938.

FILT-RAY

The word "Ray" used alone as a geographical term is disclaimed.
For Ophthalmic Lenses, Goggles, Spectacles, Sun Glasses, and Lens Blanks.
Claims use since Nov. 7, 1936.

Ser. No. 402,164. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed Jan. 21, 1938.

MINI-ORTHO

For Sensitized Photographic Film.
Claims use since Dec. 22, 1937.

Ser. No. 402,523. JOSEPH GUERCIO, Chicago, Ill. Filed Jan. 31, 1938.




For Motion Picture Projectors and Motion Picture Film Prepared for Projection by Said Projectors.
Claims use since Dec. 1, 1937.

Ser. No. 403,006. THE HALOID COMPANY, Rochester, N. Y. Filed Feb. 14, 1938.

COPYLITE

For Light Sensitive Paper.
Claims use since Dec. 14, 1937.

## CLASS 27

### Horological Instruments

Ser. No. 404,578. JOSEPH C. MORRIS, Chicago, Ill. Filed Mar. 28, 1938.

KAL-KLOK

No claim is made to the word "Klok" except as shown.
For Combination Clocks and Calendars.
Claims use since November, 1936.

## CLASS 28

### Jewelry and Precious-Metal Ware

Ser. No. 404,274. TOWLE MANUFACTURING COMPANY, Newburyport, Mass. Filed Mar. 19, 1938.

CANDLELIGHT

For Silver and Silver Mounted Flatware (Implements with a Handle or Finger Hold for Culinary, Feeding, Serving, or Personal Use); and Silver and Silver Mounted Hollow Ware (Vessels, Plates, Platters, Carriers, Covers, and Supports for Storing, Holding or Covering Foods, Liquids, or Commodities).
Claims use since August, 1934.

## CLASS 29

### Brooms, Brushes, and Dusters

Ser. No. 398,955. JAMES L. YOUNGHUSBAND, Chicago, Ill. Filed Oct. 25, 1937.

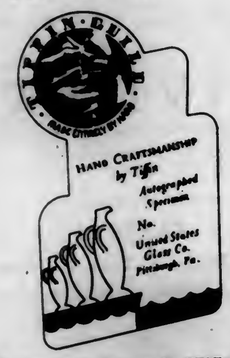
SMOOTHIE

For Cleansing Pads Made of Cloth.
Claims use since July 10, 1936.

## CLASS 33

### Glassware

Ser. No. 403,065. UNITED STATES GLASS COMPANY, Pittsburgh, Pa. Filed Feb. 15, 1938.




Applicant disclaims the words "Tiffin" and "Guild" except as shown and also disclaims all other notations apart from the mark.
For Glass Articles—Namely, Plates, Trays, Jars, Boxes, Decanters, Pitchers, Bowls, Bottles, Jugs, Platters, Vases, Footed Pieces, Holders, Salts, Shakers, Tumblers, Tubs, Compotes, Cups, Saucers, Goblets, Stemware, Boats, Coasters, Casters and Drinking Sets, and Bar Ware.
Claims use since Jan. 7, 1938.

## CLASS 34

### Heating, Lighting, and Ventilating Apparatus

Ser. No. 391,351. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 14, 1937.

INDESTRUCTO

For Heating Equipment—Namely, Stoker Burners for Use with Solid Fuel, Tank Heaters, and Heating Boilers for Use with Any Kind of Fuel.
Claims use since June 5, 1936.

Ser. No. 398,993. THE KELLY-MENKE CO., Chicago, Ill. Filed Oct. 27, 1937.

KELMENITE

For Light Reflecting Signs, Vehicle Safety Reflectors, Roadside Safety Reflectors, and Parts Thereof.
Claims use since Sept. 29, 1936.



Ser. No. 399,282. LANGELANDS, Tacoma, Wash. Filed Nov. 1, 1937.

heatlox

For Air Conditioning, Heating Furnaces Using Oil, Gas, Coal, or Wood Fuels.
Claims use since June 28, 1937.

Ser. No. 401,066. THE MANTLE LAMP COMPANY OF AMERICA, Chicago, Ill. Filed Dec. 20, 1937.

PARVELOUR

For Lamp Shades.
Claims use since Aug. 15, 1937.

## CLASS 36

### Musical Instruments and Supplies

Ser. No. 378,656. HARMONICA DISTRIBUTION CORPORATION OF AMERICA, New York, N. Y. Filed May 20, 1936.

JUNIOR Rascal

The word "Junior" is disclaimed apart from the word "Rascal".
For Mouth Harmonicas, Harmonica Bodies, Harmonica Reeds, Harmonica Casings, Harmonica Mouth Pieces, Harmonica Reed Plates, Harmonica Tone Modifiers and Tone Control Devices, and Harmonica Parts.
Claims use since Sept. 3, 1935.

Ser. No. 403,451. FRANZ MFG. CO., INC., New Haven, Conn. Filed Feb. 26, 1938.

ELECTRONOME

For Metronomes.
Claims use since Feb. 15, 1938.

## CLASS 37

### Paper and Stationery

Ser. No. 375,190. OSCAR R. LOEWENTHAL, Seattle, Wash. Filed Feb. 21, 1936.



All wording and all representation of the goods is disclaimed apart from the mark. The portrait is fanciful.
For Duplicating Laundry List Books.
Claims use since 1922.

Ser. No. 400,709. UNITED PAPER COMPANY, INC., Richmond, Va. Filed Dec. 10, 1937.

DATA

For Paper Products—Namely, Toilet Tissue, Wrapping Papers, Paper Napkins, Paper Towels, Gummed Sealing Tape, Printing Paper (Bond, Book Paper, Ledger, and Blotting).
Claims use since Dec. 1, 1937.

Ser. No. 400,965. B. K. ELLIOTT COMPANY, Pittsburgh, Pa. Filed Dec. 17, 1937.

University



No claim is made to the word "University" apart from the mark.
For Illustration Board and Paper and Bristol Board.
Claims use since Feb. 11, 1932.

Ser. No. 402,999. CROWN ZELLERBACH CORPORATION, doing business as National Paper Products Company, San Francisco, Calif. Filed Feb. 14, 1938.

TYMATIC

For Paper Towels.
Claims use since Feb. 4, 1938.

Ser. No. 403,806. THE WASP PEN CO. INC., Fort Madison, Iowa. Filed Mar. 7, 1938.

ADDIPOINT

For Fountain Pens and Parts Thereof.
Claims use since Feb. 21, 1938.

Ser. No. 403,807. THE WASP PEN CO. INC., Fort Madison, Iowa. Filed Mar. 7, 1938.

Rite-o-Way

The word "Way" is disclaimed apart from the mark.
For Reservoir Desk Stands for Writing Fluids.
Claims use since Feb. 21, 1938.



Ser. No. 403,621. THE BARRETT COMPANY, New York,

Ser. No. 404,381. THE SITROUX COMPANY, INC., New York, N. Y. Filed Mar. 22, 1938.

SIT-TRUE-LETS

No claim is made to the words "Sit" and "True" except as shown.
For Lipstick Tissues.
Claims use since Jan. 15, 1937.

Ser. No. 404,383. THE STERILEK COMPANY, INC., New York, N. Y. Filed Mar. 22, 1938.

PRO-TEK-TOS

No claim is made to the word "Pro" except as shown.
For Hospital Sanitary Handkerchiefs and Handkerchief Wipes of Paper.
Claims use since June, 1932.

## CLASS 38

### Prints and Publications

Ser. No. 397,607. O. B. BOTTORFF, St. Louis, Mo. Filed Sept. 21, 1937.

THE VOICE OF THE INDEPENDENT FUNDAMENTAL CHURCHES OF AMERICA

The word "America" is disclaimed apart from the mark.
For Monthly Publication Devoted to Articles of General Religious Interest.
Claims use since September, 1932.

Ser. No. 403,058. PUBLICATION CORPORATION, New York, N. Y. Filed Feb. 15, 1938.

Fortnighter

For Newspaper Magazine Supplement.
Claims use since Jan. 28, 1938.

Ser. No. 403,444. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 26, 1938.

Cook's Tour

For Newspaper Column.
Claims use since Jan. 2, 1938.

Ser. No. 403,520. POSTER PRODUCTS, INC., Chicago, Ill. Filed Feb. 28, 1938.

Transpost

For Advertising and Decorative Placards Comprising Printed Transparent and Translucent Sheets Sold as Such to the Trade.
Claims use since February, 1938.

Ser. No. 403,631. THE BARRETT COMPANY, New York, N. Y. Filed Mar. 3, 1938.

The ARCADIAN GROWER

For Periodical Publication.
Claims use since Jan. 21, 1938.

Ser. No. 403,634. BILBARA PUBLISHING CO. INC., New York, N. Y. Filed Mar. 3, 1938.

Picture Detective

For Magazine Published from Time to Time.
Claims use since Dec. 21, 1937.

Ser. No. 403,789. SOUTHERN PUBLISHING COMPANY, Fernandina, Fla. Filed Mar. 7, 1938.

THE FISH & OYSTER REPORTER

No claim is made to the word "Oyster" apart from the mark.
For Magazine.
Claims use since Dec. 17, 1918.

Ser. No. 403,793. UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed Mar. 7, 1938.

Advice fo' Chillun

For Serial Drawings Published in Daily and Sunday Newspapers.
Claims use since June 23, 1935.

Ser. No. 403,803. WILLIS C. VARNER, Edwardsville, Ill. Filed Mar. 7, 1938.

American BAND BOY

Applicant disclaims the word "American" apart from the mark.
For Trading Stamp.
Claims use since Feb. 16, 1938.

Ser. No. 404,188. SHOWMEN'S TRADE REVIEW, INC., New York, N. Y. Filed Mar. 17, 1938.

An Showmanalysis

For Section or Department of a Magazine.
Claims use since Apr. 24, 1937.



Ser. No. 404,541. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Mar. 26, 1938.

The LAUNDRY Bundle

For House Organ Issued Quarterly.
Claims use since Mar. 21, 1938.

Ser. No. 404,582. ARTHUR B. POINIER, St. Joseph, Mich. Filed Mar. 28, 1938.

JITTER

For Cartoon Section of Newspapers and Other Publications.
Claims use since Mar. 29, 1937.

Ser. No. 405,280. SAM HOUSTON STATE TEACHERS COLLEGE, Huntsville, Tex. Filed Apr. 14, 1938.

The HOUSTONIAN

For Newspaper Issued Weekly.
Claims use since 1913.

## CLASS 39

### Clothing

Ser. No. 354,272. ASSOCIATED DEVICES CORPORATION, Philadelphia, Pa. Filed July 25, 1934.

TA-PEX

For Barbers' Aprons.
Claims use since Apr. 4, 1934.

Ser. No. 384,806. MANCHESTER MANUFACTURING COMPANY, Philadelphia, Pa. Filed Oct. 26, 1936.

Hug-tite

For Men's Underwear and Pajamas.
Claims use since 1928.

Ser. No. 393,181. NATIONAL SHOE CORPORATION, Marlboro, Mass. Filed May 24, 1937.

VIM-ODE

The word "Vim" apart from the mark shown is disclaimed.
For Leather Shoes for Women.
Claims use since Feb. 1, 1933.

Ser. No. 393,945. CLAIRE GOLDENBERG, New York, N. Y. Filed June 11, 1937.

PREST-O-SIZE

Applicant disclaims the word "Size" apart from the mark.
For Neckties.
Claims use since May 20, 1937.

Ser. No. 400,167. THE MODE KNITTING MILLS, INC., Chicago, Ill. Filed Nov. 26, 1937.

fasontex

For Men's, Women's, and Children's Hats, Men's and Boys' Outer Shirts, Sport Shirts, Swimming Suits, and Sweaters.
Claims use since Apr. 1, 1937.

Ser. No. 401,325. IRVING YAHR & CO., INC., New York, N. Y. Filed Dec. 27, 1937.

THE SEEING EYE OF FASHION

No claim is made to the word "Fashion" except as shown.
For Ladies' Wearing Apparel—Namely, Coats, Dresses, and Suits.
Claims use since Sept. 1, 1937.

Ser. No. 401,443. MILLER UNDERWEAR CO., INC., New York, N. Y. Filed Dec. 31, 1937.

MILTONE "LEADS THE PARADE"

The word "Parade" is disclaimed apart from the mark.
For Ladies' and Misses' Chemises, Negligees, Costume





Ser. No. 404,107. ARENBERG-PLOTKIN SHOE COMPANY,

Slips, Panties, Shorts for Underwear, Brassières, Bloomers, Undershirts, and Nightgowns of Cotton, Linen, Silk, Artificial Silk, and All Mixtures or Combinations of Said Materials.
Claims use since September, 1935.

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Ser. No. 402,089. FREYDBERG BROS., INC., Stamford, Conn. Filed Jan. 19, 1938.

"SPADS"

For Shoulder Pads to be Used in Clothing.
Claims use since Jan. 4, 1938.

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Ser. No. 402,203. RYAN EVERETT CO., New York, N. Y. Filed Jan. 21, 1938.

RECO

The outline of the label is disclaimed.
For Overalls, Undershirts, and Drawers.
Claims use since Oct. 1, 1937.

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Ser. No. 402,829. SEAL & HORN, Wyomissing, Pa. Filed Feb. 8, 1938.

SEALON

For Hosiery.
Claims use since Feb. 2, 1938.

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Ser. No. 402,942. JERRY SPORTSWEAR, INCORPORATED, Chicago, Ill. Filed Feb. 11, 1938.

"Jerry Junior"

The word "Junior" is disclaimed apart from the mark.
For Ladies' and Children's Silk, Rayon, and Wool Dresses, Blouses, Skirts, Suits, and Coats.
Claims use since Jan. 1, 1936.

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Ser. No. 403,290. TRE-ZUR BRASSIERE CO., INC., Los Angeles, Calif. Filed Feb. 22, 1938.

"IT"

For Brassières, Girdles, Garter Belts, Foundations, and Corsets.
Claims use since Jan. 18, 1938.

Ser. No. 403,581. SAMUEL COHEN SHOE STORES, INC., Hempstead, N. Y. Filed Mar. 2, 1938.




Applicant disclaims the expression "La Salle" except as shown.
For Shoes Made of Leather, Fabric, or the Combination of Leather and Fabric.
Claims use since Feb. 1, 1938.

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Ser. No. 403,702. MACK COHEN & NADLE, New York, N. Y. Filed Mar. 4, 1938.

X-WAY

Does for Your COMFORT WHAT X-RAY DID FOR SCIENCE

Applicant disclaims the expressions "Way" and "Does for Your Comfort What X-Ray Did for Science" except as shown.
For Men's Suspenders, Garters, and Belts in the Nature of Garment Supporters.
Claims use since Feb. 1, 1938.

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Ser. No. 403,786. H. O. RONDEAU SHOE CO., INC., Farmington, N. H. Filed Mar. 7, 1938.

SANDALAIRE

The word "Sanda" is disclaimed except as shown.
For Ladies' and Misses' Shoes Made of Leather, Canvas, Fabric, or Compositions or Combinations Thereof.
Claims use since January, 1933.

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Ser. No. 403,864. GERALDINE HAT CO., INC., New York, N. Y. Filed Mar. 9, 1938.




The words "Vogue" and "Junior Fashions" are disclaimed except as shown.
For Ladies', Misses', and Children's Hats.
Claims use since Dec. 15, 1937.



Ser. No. 403,926. SPECTOR BROTHERS, INCORPORATED, Philadelphia, Pa. Filed Mar. 10, 1938.




The word "Genuine" is disclaimed apart from the mark.
For Men's and Boys' Topcoats and Overcoats.
Claims use since May, 1935.

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Ser. No. 403,955. THE MOSS CORPORATION, Boston, Mass. Filed Mar. 11, 1938.

MOSSFLEX

For Shoes and Insoles Therefor, Made of Leather, Fabric, Composition Material, or Combinations Thereof, for Men, Women, and Children.
Claims use since Feb. 8, 1938.

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Ser. No. 404,070. THE P. SULLIVAN SHOE COMPANY, Cincinnati, Ohio. Filed Mar. 11, 1938.




Applicant disclaims the words "Arch" and "Health Shoe" except as shown.
For Leather-Soled Shoes Made of Leather.
Claims use since Feb. 1, 1938.

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Ser. No. 404,085. JORDAN MARSH COMPANY, Boston, Mass. Filed Mar. 15, 1938.

Shur-Step

For Boots and Shoes Principally of Leather and Canvas Shoes.
Claims use since Aug. 7, 1915.

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Ser. No. 404,086. MAX KRIEGER, New York, N. Y. Filed Mar. 15, 1938.

TWIN-ZIP-ALL

No claim is made to the word "All" apart from the mark.
For Ladies' and Misses' Playsuits, Overalls, Slacks, Halters, Shorts, and Culottes.
Claims use since Mar. 1, 1938.

Ser. No. 404,107. ARENBERG-PLOTKIN SHOE COMPANY, Scranton, Pa. Filed Mar. 16, 1938.




For Women's and Children's Shoes of Leather, Fabric, Rubber, and/or Combinations of the Same.
Claims use since Jan. 1, 1929.

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Ser. No. 404,169. EVEN-PUL FOUNDATIONS, New York, N. Y. Filed Mar. 17, 1938.

Adjust-Eze FOUNDATIONS

No claim is made to the word "Foundations" apart from the mark.
For Corselets, Brassières, and Girdles.
Claims use since October, 1937.

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Ser. No. 404,279. YOUNG SOPHISTICATES, INC., New York, N. Y. Filed Mar. 19, 1938.

Young Sophisticates

The name "Young" is disclaimed apart from the mark.
For Ladies' and Misses' Dresses, Blouses, Skirts, and Playsuits.
Claims use since Nov. 15, 1937.

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Ser. No. 404,284. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Filed Mar. 21, 1938.




For Women's Summer Suits.
Claims use since Jan. 11, 1938.

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Ser. No. 404,513. BUTLER BROTHERS, Chicago, Ill. Filed Mar. 26, 1938.

Fedette

For Women's Hosiery.
Claims use since Dec. 9, 1937.

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## CLASS 42

### Knitted, Netted, and Textile Fabrics

Ser. No. 389,433. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Feb. 26, 1937.

TAPERED-WEAVE

The term "Weave" is disclaimed apart from the mark.
For Bed Sheets, Pillow Cases, and Sheeting in the Piece Made of Cotton, Rayon, Mixtures of Cotton and Rayon, or Mixtures of Cotton with Other Fibers.
Claims use since Feb. 9, 1937.



Ser. No. 403,071. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Feb. 16, 1938.

Ser. No. 404,557. AMERICAN BEMBERG CORPORATION, New York, N. Y. Filed Mar. 28, 1938.



## CLASS 45

Ser. No. 404,684. BERKELEY CLUB BOTTLING AND MANUFACTURING COMPANY, INC., Berkeley Springs, W. Va. Filed Mar. 31, 1938.

Ser. No. 403,071. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Feb. 16, 1938.

Econo

For Billiard Table Cloth.
Claims use since Sept. 1, 1937.

Ser. No. 403,810. BARKAN SILK CO. INC., New York, N. Y. Filed Mar. 8, 1938.

OaO
Dreambeau
(One and Only)

For Silk, Rayon, Cotton, and Woolen Fabrics in the Piece.
Claims use since Feb. 1, 1938.

Ser. No. 403,947. HODGES CARPET COMPANY, Indian Orchard, Mass. Filed Mar. 11, 1938.

hofi

For Woven Fiber Fabrics—viz., Piece Goods, the Yarns of Which Are of Twisted Paper, Rayon, Cellophane, and the Like.
Claims use since Jan. 1, 1938.

## CLASS 43

### Thread and Yarn

Ser. No. 376,339. EASTYARN, INC., Brooklyn, N. Y. Filed Mar. 24, 1936.

Zanella

For Yarns for Use in Knitting, Embroidering, and Crocheting.
Claims use since Feb. 1, 1936.

Ser. No. 404,523. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y. Filed Mar. 26, 1938.

Masterpiece

For Thread and Yarn.
Claims use since Dec. 17, 1937.

Ser. No. 404,557. AMERICAN BEMBERG CORPORATION, New York, N. Y. Filed Mar. 28, 1938.

BEMBERG

For Thread and Yarn of Artificial Origin.
Claims use since Jan. 10, 1938.

## CLASS 44

### Dental, Medical, and Surgical Appliances

Ser. No. 387,371. H. BOKER & CO., INC., New York, N. Y. Filed Jan. 2, 1937.

Boker

The name "Boker" is in the handwriting of H. R. Boker, past president of the corporation.
For Manicure and Pedicure Nippers.
Claims use since Sept. 15, 1917.

Ser. No. 404,382. THE STERILEK COMPANY, INC., New York, N. Y. Filed Mar. 22, 1938.

KABEE

For Sanitary Napkins.
Claims use since January, 1932.

Ser. No. 404,445. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Mar. 24, 1938.

SIMPLOX

For Sanitary Belts.
Claims use since Mar. 22, 1938.

Ser. No. 404,525. HUMANE RESTRAINT COMPANY, Madison, Wis. Filed Mar. 26, 1938. Under 10-year proviso.

Humane Restraint

For Wristlets With Lock Buckle and Waist Strap, Mitts With Lock Buckle and Waist Strap, Anklets With Small Buckles, Anklets With Lock Buckle and Strap, "Lynch" Muffs With Lock and Waist Strap, "Lynch" Bed Restraints With Three Lock Buckles, Canvas Mitts and Canvas Muffs.
Claims use since 1881.

Ser. No. 404,688. CHIROPODY SUPPLY HEADQUARTERS, INC., Chicago, Ill. Filed Mar. 31, 1938.

CHIROSINE

For Electrical Machine for Giving Treatments to the Feet.
Claims use since Feb. 1, 1938.

Ser. No. 405,147. ADOLPH D. WISEMAN, San Francisco, Calif. Filed Apr. 11, 1938.

THE DENTICATOR

For Dental Applicators.
Claims use since Oct. 15, 1934.



## CLASS 45

### Beverages, Nonalcoholic

Ser. No. 397,896. BROCTON DISTRIBUTING COMPANY, INC., Atlanta, Ga. Filed Sept. 28, 1937.

BIG APPLE

Trade-mark consists of the name of a popular dance. The word "Apple" is disclaimed apart from the mark.
For Apple Cider Sold as a Soft Drink.
Claims use since Aug. 8, 1937.

Ser. No. 403,205. GLENDALE BEVERAGE CO., Kansas City, Mo. Filed Feb. 19, 1938.

GLEN COLA

The words "Glen" and "Cola" are disclaimed apart from the mark.
For Nonalcoholic and Non-Intoxicating Beverages Sold as Soft Drinks.
Claims use since Jan. 17, 1938.

Ser. No. 403,972. SWEENEY BOTTLING WORKS, Middletown, N. Y. Filed Mar. 11, 1938.

Heads up

The word "Heads" is disclaimed apart from the mark.
For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since Dec. 15, 1937.

Ser. No. 404,329. LESLIE B. STEVEN, doing business as Scudder Syrup Co., Chicago, Ill. Filed Mar. 21, 1938.

Champagnip

For Bottled Beverages Known as Soft Drinks and Syrups for Making the Same.
Claims use since Feb. 1, 1936.

Ser. No. 404,684. BERKELEY CLUB BOTTLING AND MANUFACTURING COMPANY, INC., Berkeley Springs, W. Va. Filed Mar. 31, 1938.

Berkeley Club

Applicant disclaims the word "Berkeley".
For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used for Making the same.
Claims use since June 1, 1924.

## CLASS 46

### Foods and Ingredients of Foods

Ser. No. 380,761. F. W. DUSTAN & SON, Clarkston, Wash. Filed July 8, 1936.

JULIAETTA

No claim is made to the word "Juliaetta" apart from the mark.
For Canned Fruits, Canned Vegetables, and Canned Tomato Juice.
Claims use since 1933 on tomato juice; since 1913 on canned fruits and vegetables.

Ser. No. 396,342. HOWARD PRESERVING COMPANY, INC., Miami, Fla. Filed Aug. 12, 1937.



For Jellies, Fruit Butters, Marmalades, Honey, Fruit Preserves, Pickles, Citrus Conserves, Mango Chutney, Orange Juice for Food Purposes, Syrups Made from Fruit and Guava for Food Purposes, Crystallized Orange and Grapefruit Peels and Citron Melon.
Claims use since October, 1935.

Ser. No. 400,585. ATLANTIC YEAST CORPORATION, Brooklyn, N. Y. Filed Dec. 8, 1937.




No claim is made to any wording other than applicant's name, except as shown.
For Baking Yeast.
Claims use since Aug. 1, 1935.

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Ser. No. 401,540. PACIFIC COAST NUT HOUSE, San Jose, Calif. Filed Dec. 31, 1937.

PACIFIC COAST NUT HOUSE

The words "Pacific Coast," "Nut," and "House" are disclaimed apart from the mark.
For Walnuts and Almonds.
Claims use since Aug. 1, 1937.

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Ser. No. 403,249. GEORGE E. FLIEHMAN, St. Louis, Mo. Filed Feb. 21, 1938.

HEALTHSERVE FOR HEALTH'S SAKE

The phrase "For health's sake" is disclaimed apart from the mark.
For Cereal Breakfast Foods, Particularly Toast Flakes, Prepared from Wheat and Corn and Flavored with Malt Syrup, Sugar, and Salt.
Claims use since Feb. 2, 1938.

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Ser. No. 403,271. LOCKSHORE FARMS, INC., Kalamazoo, Mich. Filed Feb. 21, 1938.

CINNA-BUTTER

No claim is made to the word "Butter" apart from the mark.
For Spread for Bread and the Like in Lieu of Butter or as a Butter Substitute.
Claims use since Jan. 3, 1938.

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Ser. No. 403,857. THE GEORGE CLOSE COMPANY, Cambridge, Mass. Filed Mar. 9, 1938.

CLOSIES

For Candy.
Claims use since Jan. 31, 1938.

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Ser. No. 404,214. GENERAL MILLS, INC., Minneapolis, Minn. Filed Mar. 18, 1938.

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For Cereal Food Products, Particularly Breakfast Cereal.
Claims use since Mar. 7, 1938.

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Ser. No. 404,352. COCO VITE COMPANY, Philadelphia, Pa. Filed Mar. 22, 1938.

COCO VITE

The term "Coco" is disclaimed apart from the mark.
For Malted Milk Beverage.
Claims use since Dec. 15, 1937.

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Ser. No. 404,459. WILLIAMSON CANDY COMPANY, Chicago, Ill. Filed Mar. 24, 1938.

Bar-Bar-a-Bar

The word "Bar" is disclaimed apart from the mark.
For Candy.
Claims use since Feb. 28, 1938.



Ser. No. 404,654. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Filed Mar. 30, 1938.

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For Canned Peas.
Claims use since Mar. 16, 1938.

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Ser. No. 404,655. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Filed Mar. 30, 1938.

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For Canned Vegetables.
Claims use since Mar. 16, 1938.

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Ser. No. 404,801. GENERAL MILLS, INC., Minneapolis, Minn. Filed Apr. 2, 1938.

BEEDS

For Cereal Food Products, Particularly Breakfast Cereal.
Claims use since Mar. 22, 1938.

## CLASS 48

### Malt Beverages and Liquors

Ser. No. 402,923. WAUSAU BREWING COMPANY, Wausau, Wis. Filed Feb. 10, 1938.

Rib Mountain Lager

The words "Lager" and "Mountain" are disclaimed apart from the mark.
For Beer.
Claims use since Feb. 2, 1938.

## CLASS 49

### Distilled Alcoholic Liquors

Ser. No. 401,962. GOLDEN GATE FRUIT PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 17, 1938. Under 10-year proviso.

GOLDEN GATE FRUIT PRODUCTS CORP
GOLDEN GATE
BRAND

For Flavoring Agents and Blenders for Alcoholic Beverages.
Claims use since 1893.

Ser. No. 404,347. BEN-BURK, INC., Boston, Mass. Filed Mar. 22, 1938.

CLUB QUART
OLD
MR. BOSTON

The words "Club Quart" are disclaimed apart from the mark. Applicant is the owner of registration No. 341,344, effected under the 10-year proviso for the word "Boston."
For Dry Gin.
Claims use since Mar. 7, 1938.

## CLASS 50

### Merchandise Not Otherwise Classified

Ser. No. 361,597. AQUA-SEC CORPORATION, New York, N. Y., now by change of name Ymba Corporation, assignor to Aqua-Sec Corporation, New York, N. Y., a corporation of New York (1937). Filed Feb. 19, 1935.



For Piece Goods of Cotton, Natural or Artificial Silk—Namely, Rayon, Acetate Silk; Linen, Wool, Mohair, and Other Fibres; Cellulosic Materials Made Solely or From Combinations of the Above Materials, Velour, Velvet, and Other Textile Fabrics for Forming Articles of Manufacture—Namely, Apparel, Garments, Rugs, Bags, Hats, Shoes, Gloves, etc., Treated by a Special Process to Render the Same Waterproof or Water Spot-Proof and Otherwise Improve the Same.
Claims use since July, 1934.

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Ser. No. 403,637. CELLULOID CORPORATION, Newark, N. J. Filed Mar. 3, 1938.

LUMARITH

For Unsensitized and Unexposed Films and Drinking Straws.
Claims use since Feb. 18, 1938.

Ser. No. 403,839. JESSE D. TUCKER, Huntington Park, Calif. Filed Mar. 8, 1938.




The words "Signal Seal" are disclaimed apart from the mark.

For Jar Caps.

Claims use since Sept. 14, 1937.

Ser. No. 403,975. THORNTITE TOPS, INC., New York, N. Y. Filed Mar. 11, 1938.

THORNTITE

For Closures for Receptacles.

Claims use since Nov. 18, 1937.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 24, 1938

356,994. FERTILIZERS. CONSOLIDATED RENDERING COMPANY, Boston, Mass.
Filed October 6, 1934. Serial No. 356,832. PUBLISHED MARCH 15, 1938. Class 10.

356,995. CANNED FRUITS, DRIED FRUITS. ABINANTE & NOLA PACKING CO., San Jose, Calif.
Filed July 15, 1935. Serial No. 367,274. PUBLISHED MARCH 15, 1938. Class 46.

356,996. NUTRITIVE, STIMULANT, AND ROBORANT TONICS. E. R. SQUIBB & SONS, New York, N. Y.
Filed November 21, 1935. Serial No. 371,832. PUBLISHED MARCH 8, 1938. Class 6.

356,997. INSECTICIDES. PACIFIC GUANO COMPANY, San Francisco, Calif.
Filed December 12, 1935. Serial No. 372,579. PUBLISHED MARCH 8, 1938. Class 6.

356,998. WHEAT FLOUR, BREAD, CRACKERS, YEAST, AND MALT. GALBAN LOBO COMPANY IMPORTING AND EXPORTING ASSOCIATION, S. A., Habana, Cuba.
Filed January 2, 1936. Serial No. 373,255. PUBLISHED FEBRUARY 2, 1937. Class 46.

356,999. PRINTED CHARTS OF FOOD VALUES PUBLISHED AT IRREGULAR INTERVALS. ROGER W. TRUESDAIL, Los Angeles, Calif.
Filed March 31, 1936. Serial No. 376,651. PUBLISHED MARCH 15, 1938. Class 38.

357,000. FROZEN CONFECTIONS. JOE LOWE CORPORATION, New York, N. Y.
Filed May 2, 1936. Serial No. 377,927. PUBLISHED JUNE 23, 1936. Class 46.

357,001. FROZEN CONFECTIONS. JOE LOWE CORPORATION, New York, N. Y.
Filed May 2, 1936. Serial No. 377,928. PUBLISHED JUNE 23, 1936. Class 46.

357,002. MEDICINAL OIL, A PREPARATION MADE FROM ALMONDS, PECANS, OLIVES, CASTOR BEANS, AND PEACH KERNELS, FOR KIDNEY STONES, GALL STONES, CONSTIPATION, INDIGESTION, OBESITY, COLITIS, RHEUMATISM, AND OTHER COMPLAINTS OF THE LIVER, SPLEEN, AND KIDNEYS. MRS. IRVIN BAIRD, professionally known as Dr. Jill Cossley-Batt, doing business as Himalayan Research Laboratories, Seattle, Wash.
Filed June 20, 1936. Serial No. 379,998. PUBLISHED MARCH 8, 1938. Class 6.

357,003. HAIR TONIC PREPARATION. JOSEPH BEDARD, Burlington, Vt.
Filed November 18, 1936. Serial No. 385,681. PUBLISHED MARCH 8, 1938. Class 6.

357,004. WATERPROOFING PREPARATIONS FOR TREATING FIBROUS MATERIALS, SUCH AS TEXTILES, PAPER, AND THE LIKE. "CHEMISCHE FABRIK R. BAUMHEIER, AKTIENGESELLSCHAFT," Oschatz-Zschollau, Germany, now by change of name, Chemische Fabrik R. Baumheier Kommanditgesellschaft, Oschatz-Zschollau.
Filed December 22, 1936. Serial No. 387,030. PUBLISHED MARCH 15, 1938. Class 6.

357,005. SHEET GLASS. SIMON BACHE & COMPANY, New York, N. Y.
Filed December 31, 1936. Serial No. 387,351. PUBLISHED MARCH 15, 1938. Class 33.

357,006. NONMETALLIC RAYON AND COTTON NETS IN THE PIECE. H. BATES CO., INC., New York, N. Y.
Filed January 2, 1937. Serial No. 387,368. PUBLISHED APRIL 6, 1937. Class 42.

357,007. MOUTH ANTISEPTIC AND A PREPARATION FOR THE TREATMENT OF MINOR WOUNDS, CUTS, PARASITIC ITCH, AND POISON OAK OR POISON IVY. MRS. COURTNEY CLARK BROOKS, doing business as Georgia Remedy Company, Covington, Ga.
Filed January 5, 1937. Serial No. 387,450. PUBLISHED MARCH 1, 1938. Class 6.

357,008. PREPARATION FOR CUTS, SORES, BURNS, RASH, COLDS, BOILS, PILES, PIMPLES, ECZEMA, CHAPPED SKIN, INSECT STINGS, SUNBURNS, AND SKIN INFECTIONS. DAVID B. ALMOND, doing business as Tur-Tol Products, Tucson, Ariz.
Filed January 6, 1937. Serial No. 387,487. PUBLISHED MARCH 15, 1938. Class 6.

357,009. LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, CREAMS FOR THE HANDS AND FACE, PREPARATIONS FOR SKIN, HAIR, AND FINGERNAILS, AND PERFUMES. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill.
Filed January 11, 1937. Serial No. 387,651. PUBLISHED MARCH 8, 1938. Class 6.

357,010. PERIODICAL. ALFRED D. FERGUSON, doing business as James A. Douglas and also as Al Jad, New York, N. Y.
Filed February 2, 1937. Serial No. 388,439. PUBLISHED APRIL 6, 1937. Class 38.

357,011. FROZEN CONFECTIONS. JOE LOWE CORPORATION, New York, N. Y.
Filed February 19, 1937. Serial No. 389,138. PUBLISHED MARCH 15, 1938. Class 46.

357,012. LOGGING TRAILERS AND MOTOR DRIVEN LOGGING TRUCKS AND STRUCTURAL REPLACEMENT PARTS FOR SUCH LOGGING TRUCKS AND TRAILERS. GLENN L. LARISON, La Grande, Oreg.
Filed March 22, 1937. Serial No. 390,375. REPUBLISHED MARCH 15, 1938. Class 19.

357,013. ENVELOPE-LIKE SEALED CONTAINER OF PAPER, CELLULOSE FILM, AND THE LIKE, FOR THE MERCHANDISING OF MEDICINAL OR CHEMICAL PREPARATIONS IN TABLET FORM OR OTHER RELATIVELY SMALL ARTICLES. IVERS-LEE COMPANY, Newark, N. J.
Filed April 8, 1937. Serial No. 391,071. PUBLISHED MARCH 15, 1938. Class 2.

357,014. MEDICINAL PREPARATION FOR STOMACH ACIDITY, ACID INDIGESTION, SOUR STOMACH, HEADACHE, HEARTBURN, GAS IN STOMACH, NEURALGIA, NAUSEA, NERVOUSNESS, SLEEPLESSNESS, FATIGUE, AND KINDRED AILMENTS. AMERICAN CHEMICAL COMPANY, Genoa City, Wis.
Filed April 12, 1937. Serial No. 391,221. PUBLISHED MARCH 15, 1938. Class 6.

357,015. WOMEN'S AND YOUNG WOMEN'S SUITS, COATS, SKIRTS, JACKETS, AND DRESSES. CHAS. A. STEVENS & CO., Chicago, Ill.
Filed April 15, 1937. Serial No. 391,404. PUBLISHED MARCH 8, 1938. Class 39.

357,016. COFFEE SYRUP AND COFFEE EXTRACT FOR HOUSEHOLD, SODA FOUNTAIN, RESTAURANT, DAIRY, BAKERY, CONFECTIONERY, ICE CREAM, AND OTHER FLAVORING, FOOD BEVERAGE, AND LIKE USES. COFFEE PRODUCTS CORPORATION, New York, N. Y.
Filed May 29, 1937. Serial No. 393,414. PUBLISHED AUGUST 31, 1937. Class 46.

357,017. FRESH CITRUS FRUITS. WAVERLY GROWERS COOPERATIVE, Waverly, Fla.
Filed June 3, 1937. Serial No. 393,626. PUBLISHED MARCH 15, 1938. Class 46.

357,018. FRESH PINEAPPLE. ANTONIO MARQUES ARDONA, Arecibo, P. R.
Filed June 4, 1937. Serial No. 393,632. PUBLISHED MARCH 15, 1938. Class 46.

357,019. ELECTRIC LUMINAIRES. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed June 16, 1937. Serial No. 394,152. PUBLISHED MARCH 15, 1938. Class 21.

357,020. ANTISEPTIC MEDICATED HAND LOTION. J. SAUL TEPPER, Baltimore, Md.
Filed June 29, 1937. Serial No. 394,683. PUBLISHED MARCH 8, 1938. Class 6.

357,021. MOUTH WASH. CHICAGO PHARMACAL CO., Chicago, Ill.
Filed July 9, 1937. Serial No. 395,018. PUBLISHED MARCH 8, 1938. Class 6.

357,022. PREPARATION FOR THE DESTRUCTION OF COCCIDIUM IN LIVESTOCK AND POULTRY AS TO SOURCES AND INFECTIONS, ETC. RAMSON CHEMICAL COMPANY, Beaver Falls, Pa.
Filed July 15, 1937. Serial No. 395,241. PUBLISHED MARCH 8, 1938. Class 6.

357,023. MANUALLY OPERATED RAZOR BLADE SHARPENING APPARATUS. BLADE MASTER, INC., New York, N. Y.
Filed July 19, 1937. Serial No. 395,395. PUBLISHED JANUARY 25, 1938. Class 23.

357,024. TABLE GAME—NAMELY, A BOARD GAME PLAYED WITH MOVABLE PIECES. CARTER N. PADEN, doing business as Kontinental Kangaroo Company, Atlanta, Ga.
Filed July 24, 1937. Serial No. 395,623. PUBLISHED DECEMBER 28, 1937. Class 22.

357,025. KNITTING MACHINE PARTS. RUTH ZWINGENBERGER, doing business as Helios-Wirkmaschinenzubehoer Zwingenberger & Co., Hohenstein-Ernstthal, Saxony, Germany.
Filed July 23, 1937. Serial No. 395,782. PUBLISHED NOVEMBER 30, 1937. Class 23.

357,026. SOFT DRINKS DISPENSED AT SODA FOUNTAINS AND IN BOTTLES, COMPOSED OF FRESH LIMES OR LIME CONCENTRATE, ETC. HENRY R. MCLAIN, Excelsior Springs, Mo.
Filed July 21, 1937. Serial No. 395,785. PUBLISHED MARCH 15, 1938. Class 45.

357,027. CALCIMINE WATER PAINTS. R. P. KALSOMINE COMPANY, INC., San Francisco, Calif.
Filed August 4, 1937. Serial No. 395,995. PUBLISHED SEPTEMBER 14, 1937. Class 16.

357,028. MEN'S AND WOMEN'S HOSIERY. HOOVER HOSIERY COMPANY, Concord, N. C.
Filed August 7, 1937. Serial No. 396,134. PUBLISHED MARCH 15, 1938. Class 39.

357,029. LUMBER, ROUGH AND DRESSED OR RUN TO ANY PATTERN—NAMELY, SAWMILL, PLANING-MILL, AND SASH DOORS AND MILLWORK; FACTORY PRODUCTS—NAMELY, TIMBERS, RAILWAY TIES, DIMENSION MATERIAL, ETC. WESTERN PINES PLYWOOD, Klamath Falls, Oreg.
Filed August 11, 1937. Serial No. 396,287. PUBLISHED MARCH 15, 1938. Class 12.

357,030. INSECTICIDES AND PARTICULARLY INSECT POWDER. ERHARD ZACHARIAS, doing business as Usalco Merchandising Co., New York, N. Y.
Filed August 11, 1937. Serial No. 396,289. PUBLISHED MARCH 8, 1938. Class 6.

357,031. NAIL POLISH, NAIL POLISH REMOVER, CUTICLE OIL, CUTICLE REMOVER, AND NAIL WHITE. W. T. GRANT COMPANY, New York, N. Y.
Filed August 12, 1937. Serial No. 396,314. PUBLISHED MARCH 8, 1938. Class 6.

357,032. HEADACHE POWDERS. BER-MEL LABORATORIES COMPANY, Cleveland, Ohio.
Filed August 20, 1937. Serial No. 396,592. PUBLISHED MARCH 15, 1938. Class 6.

357,033. POPCORN IN ITS NATURAL STATE. CROOKHAM COMPANY, Caldwell, Idaho.
Filed August 20, 1937. Serial No. 396,596. PUBLISHED MARCH 15, 1938. Class 46.

357,034. HAIR TONIC AND DRESSING. LUCKY TIGER MANUFACTURING COMPANY, Kansas City, Mo.
Filed August 23, 1937. Serial No. 396,685. PUBLISHED MARCH 1, 1938. Class 6.

357,035. DEVICES FOR THE SEPARATION OF HUMAN TOES. HELEN HERENDEEN MOLITOR, doing business as Toesies, New York, N. Y.
Filed August 25, 1937. Serial No. 396,744. PUBLISHED MARCH 15, 1938. Class 44.

357,036. DAILY PUBLICATION—NAMELY, A NEWSPAPER PRINTED IN THE SPANISH LANGUAGE. THE SPANISH NEWSPAPER CORPORATION, New York, N. Y.
Filed August 25, 1937. Serial No. 396,752. PUBLISHED MARCH 15, 1938. Class 38.

357,037. LIGHT STEEL FRAME CONSTRUCTION FOR BUILDINGS. SOULE STEEL COMPANY, San Francisco, Calif.
Filed August 27, 1937. Serial No. 396,843. PUBLISHED MARCH 8, 1938. Class 12.

357,038. PORTABLE BOX-LIKE CASES OR CONTAINERS DESIGNED TO HOLD MILITARY AND NAVAL OFFICERS' FULL DRESS PARAPHERNALIA. ABNER A. RUBEN, New York, N. Y.
Filed September 13, 1937. Serial No. 397,380. PUBLISHED MARCH 15, 1938. Class 2.

357,039. SALVE FOR USE IN TREATING WOUNDS, CHAPPED HANDS, SCRATCHES, AND THE LIKE. FOSTER EUGENE GIBSON, JR., doing business as Sonomo Company, Augusta, Ga.
Filed September 14, 1937. Serial No. 397,405. PUBLISHED MARCH 1, 1938. Class 6.

357,040. SHAMPOO. VICTOR M. RUBON, San Francisco, Calif.
Filed September 18, 1937. Serial No. 397,555. PUBLISHED MARCH 15, 1938. Class 6.

357,041. WHEAT FLOURS. FINGER LAKES AND HUDSON FLOUR MILLS, INC., Troy and Geneva, N. Y.
Filed September 22, 1937. Serial No. 397,653. PUBLISHED MARCH 15, 1938. Class 46.

357,042. BASE METAL COOKING HOLLOW WARE. PERCY W. STEPHENS, Chicago, Ill.
Filed September 23, 1937. Serial No. 397,733. PUBLISHED MARCH 15, 1938. Class 13.

357,043. COUGH DROPS. KERR'S BUTTER SCOTCH, INC., Brooklyn, N. Y.
Filed September 25, 1937. Serial No. 397,809. PUBLISHED MARCH 1, 1938. Class 6.

357,044. REGULARLY ISSUED MAGAZINE. LOOK, INC., Des Moines, Iowa.
Filed September 27, 1937. Serial No. 397,853. PUBLISHED MARCH 15, 1938. Class 38.

357,045. GROATS PACKAGED FOR USE AS A FOOD FOR INFANTS AND INVALIDS. KEEN, ROBINSON & COMPANY LIMITED, Norwich and London, England.
Filed September 29, 1937. Serial No. 397,935. PUBLISHED MARCH 15, 1938. Class 46.



357,046. BARLEY PACKAGED FOR USE AS A FOOD FOR INFANTS AND INVALIDS. KEEN, ROBINSON & COMPANY LIMITED, Norwich and London, England.
Filed September 29, 1937. Serial No. 397,936. PUBLISHED MARCH 15, 1938. Class 46.

357,047. SPORT JACKETS MADE OF WOOL, LEATHER, AND WOOL AND LEATHER COMBINED. THE H. HARRIS COMPANY, St. Paul, Minn.
Filed October 14, 1937. Serial No. 398,472. PUBLISHED MARCH 15, 1938. Class 39.

357,048. FIBROUS AND METAL WEATHERSTRIP AND AUTOMATIC DOOR BOTTOMS. MACKLANBURG-DUNCAN COMPANY, Oklahoma City, Okla.
Filed October 18, 1937. Serial No. 398,627. PUBLISHED MARCH 15, 1938. Class 12.

357,049. GLASS ARTICLES—NAMELY, PLATES, TRAYS, JARS, JUGS, BOXES, DECANTERS, PITCHERS, BOWLS, BOTTLES, PLATTERS, VASES, ETC. UNITED STATES GLASS COMPANY, Pittsburgh, Pa.
Filed October 20, 1937. Serial No. 398,742. PUBLISHED MARCH 15, 1938. Class 33.

357,050. ELECTRICALLY OPERATED COFFEE ROASTERS. COFFEE ELECTROST CORPORATION, Chicago, Ill.
Filed October 22, 1937. Serial No. 398,811. PUBLISHED MARCH 15, 1938. Class 21.

357,051. PILLS FOR THE TREATMENT OF RHEUMATISM, SCIATICA, GOUT, NEURITIS, CONSTIPATION, AND KINDRED COMPLAINTS. Y. Y. PREPARATIONS LIMITED, London, England.
Filed October 25, 1937. Serial No. 398,956. PUBLISHED MARCH 15, 1938. Class 6.

357,052. WATCH TIMING MACHINES. ERNST NORRMAN, Chicago, Ill.
Filed October 28, 1937. Serial No. 399,056. PUBLISHED MARCH 15, 1938. Class 26.

357,053. OUTFITS FOR USE IN PHOTOGRAPHICALLY PRINTING AND DEVELOPING PHOTOGRAPHIC MATERIALS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed October 29, 1937. Serial No. 399,076. PUBLISHED MARCH 15, 1938. Class 26.

357,054. STOMACH MEDICINE FOR THE TREATMENT OF CATARRHAL AND GASEOUS CONDITION, INDIGESTION, SOUR STOMACH, AND SIMILAR STOMACH DISORDERS. JACOB LAATIKAINEN, Red Lodge, Mont.
Filed October 30, 1937. Serial No. 399,144. PUBLISHED MARCH 8, 1938. Class 6.

357,055. KITCHEN SETS—NAMELY, FLOUR, SUGAR, COFFEE, AND TEA CANISTERS, BREAD AND CAKE BOXES, FLOUR BINS, ETC. NATIONAL ENAMELING AND STAMPING COMPANY, Milwaukee, Wis.
Filed October 30, 1937. Serial No. 399,151. PUBLISHED MARCH 15, 1938. Class 2.

357,056. JEWELRY—NAMELY, BRACELET ATTACHMENTS SUCH AS BUCKLES AND/OR CLASPS. GEMEX COMPANY, Newark, N. J.
Filed November 5, 1937. Serial No. 399,349. PUBLISHED FEBRUARY 8, 1938. Class 28.

357,057. RADIATOR STOP LEAK, BOTH IN LIQUID AND POWDER FORM, RADIATOR SOLDER, LIQUID FORM, RADIATOR CLEANER. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed November 5, 1937. Serial No. 399,350. PUBLISHED MARCH 8, 1938. Class 6.

357,058. NON-METALLIC WELDING FLUXES. OXWELD ACETYLENE COMPANY, New York, N. Y.
Filed November 5, 1937. Serial No. 399,370. PUBLISHED MARCH 15, 1938. Class 6.

357,059. WOMEN'S AND MISSES' BATHING SUITS, BATHING CAPES, SLACKS, ROBES, DRESSES, COATS, CAPES, CULOTTES, SKIRTS, SWEATERS, AND SCARFS. LOOMTOGS, INC., New York, N. Y.
Filed November 5, 1937. Serial No. 399,383. PUBLISHED MARCH 15, 1938. Class 39.

357,060. RAZOR BLADES. CLUB RAZOR & BLADE MANUFACTURING CORPORATION, Newark, N. J.
Filed November 6, 1937. Serial No. 399,399. PUBLISHED MARCH 15, 1938. Class 23.

357,061. COSMETICS—NAMELY, PREPARATIONS FOR USE IN DERMATOLOGICAL TREATMENT. CHEMICAL INDUSTRIES OF CALIFORNIA, Santa Barbara, Calif.
Filed November 9, 1937. Serial No. 399,499. PUBLISHED MARCH 1, 1938. Class 6.

357,062. PREPARATION FOR THE TREATMENT OF PILES. W. E. DEMPSEY, St. Catherine, Fla.
Filed November 9, 1937. Serial No. 399,502. PUBLISHED MARCH 1, 1938. Class 6.

357,063. NAIL ENAMEL REMOVERS AND FACIAL LOTIONS. LUZANE, LTD., Chicago, Ill.
Filed November 15, 1937. Serial No. 399,767. PUBLISHED MARCH 8, 1938. Class 6.

357,064. CANNED NONALCOHOLIC CITRUS JUICE SOLD AS A BEVERAGE. CALIFORNIA CONSUMERS CORPORATION, Los Angeles, Calif.
Filed November 16, 1937. Serial No. 399,791. PUBLISHED FEBRUARY 15, 1938. Class 45.

357,065. WATER HEATERS FOR HOUSEHOLD AND INDUSTRIAL HOT-WATER SUPPLY, CONSISTING OF GAS FIRED INSTANTANEOUS AND STORAGE WATER HEATERS, LIQUID-FUEL-FIRED INSTANTANEOUS AND STORAGE WATER HEATERS, ETC. JUNKERS & CO. GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dessau, Germany.
Filed November 16, 1937. Serial No. 399,798. PUBLISHED MARCH 15, 1938. Class 34.

357,066. OINTMENT FOR SKIN DISEASE. GIGANTE BROS. MFG. COMPANY, Stoneham, Mass.
Filed November 17, 1937. Serial No. 399,832. PUBLISHED MARCH 8, 1938. Class 6.

357,067. OINTMENTS FOR USE AS A SOOTHING APPLICATION FOR SUPERFICIAL BURNS, SUNBURN, MINOR COLDS, ETC. ELMER D. PIDGE, doing business as Lyptogrene Company, Los Angeles, Calif.
Filed November 17, 1937. Serial No. 399,856. PUBLISHED MARCH 8, 1938. Class 6.

357,068. LIQUID PREPARATION FOR THE RELIEF OF ASTHMA AND HAY FEVER. ANTHONY P. SARDOU, doing business as A. P. Sardou Laboratories, Albany, N. Y.
Filed November 18, 1937. Serial No. 399,905. PUBLISHED MARCH 8, 1938. Class 6.

357,069. OINTMENT FOR THE TREATMENT OF PSORIASIS, RING WORM, ATHLETE'S FOOT, AND ALOPECIA ARIATA. ANTHONY P. SARDOU, doing business as A. P. Sardou Laboratories, Albany, N. Y.
Filed November 18, 1937. Serial No. 399,906. PUBLISHED MARCH 8, 1938. Class 6.

357,070. LOTION FOR USE IN HAIR CURLING. WILLIAM FINKELSTEIN, doing business as Eastern Trading Company, New York, N. Y.
Filed November 19, 1937. Serial No. 399,927. PUBLISHED MARCH 8, 1938. Class 6.

357,071. RAPIDLY LYOPHILIZED BIOLOGICALLY ACTIVE SUBSTANCES. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed November 19, 1937. Serial No. 399,940. PUBLISHED MARCH 8, 1938. Class 6.

357,072. FUR COATS, FUR WRAPS, FUR COLLARS, FUR MUFFS, AND FOR FUR SCARFS. COHEN BROS. 52ND ST. INC., New York, N. Y.
Filed November 20, 1937. Serial No. 399,955. PUBLISHED MARCH 15, 1938. Class 39.

357,073. CHEMICAL SUBSTANCE USEFUL AS A SIZING, FINISHING, STIFFENING, AND SHIFT PROOFING AGENT ON YARNS AND FABRICS OF EVERY KIND AND DESCRIPTION. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J.
Filed November 20, 1937. Serial No. 399,976. PUBLISHED FEBRUARY 1, 1938. Class 6.

357,074. SLEEPING BAGS FOR INFANTS. KAMELLA, LIMITED, Bradford, England.
Filed November 22, 1937. Serial No. 400,015. PUBLISHED MARCH 8, 1938. Class 39.

357,075. MEDICAL AND COSMETIC PRODUCTS FOR DRESSING HAIR AND TREATING HAIR, FOR PROMOTING THE GROWTH OF HAIR, AND FOR THE TREATMENT OF DISEASES OF HAIR, SCALP, AND SKIN. NAAMLOOZE VENNOOTSCHAP DROGERIJEN MAATSCHAPPIJ, Rotterdam, Netherlands.
Filed November 22, 1937. Serial No. 400,019. PUBLISHED MARCH 8, 1938. Class 6.

357,076. TRADING COUPONS, TOKENS, AND THE LIKE. FRED D. ROWLETT, doing business as F. D. Rowlett Enterprises, Muncie, Ind.
Filed November 22, 1937. Serial No. 400,030. PUBLISHED MARCH 8, 1938. Class 38.

357,077. TRADING COUPONS, TOKENS, AND THE LIKE. FRED D. ROWLETT, doing business as F. D. Rowlett Enterprises, Muncie, Ind.
Filed November 22, 1937. Serial No. 400,031. PUBLISHED MARCH 8, 1938. Class 38.

357,078. OVERALLS, WORK COATS, WORK SHIRTS, AND WORK PANTS. SICELOFF MANUFACTURING COMPANY, Lexington, N. C.
Filed November 23, 1937. Serial No. 400,041. PUBLISHED MARCH 8, 1938. Class 39.

357,079. ELECTRICAL UNIT FOR CHARGING A FENCE WIRE WITH ELECTRICITY. ROY P. KIDSTON, Wheaton, Ill.
Filed November 24, 1937. Serial No. 400,108. PUBLISHED MARCH 15, 1938. Class 21.

357,080. COMPOUND OR COMPOSITION, THE CHIEF COMPONENT OF WHICH IS A LIGNEOUS EXTRACTIVE MATERIAL, FOR USE IN THE TREATMENT OF WATER USED FOR INDUSTRIAL PURPOSES TO PREVENT CORROSION AND/OR EMBRITTLEMENT TOGETHER WITH OTHER BENEFITS. FRED C. ADAMS, doing business as Fred C. Adams and Company, Chicago, Ill.
Filed November 26, 1937. Serial No. 400,150. PUBLISHED MARCH 8, 1938. Class 6.

357,081. LINIMENT FOR EXTERNAL USE IN THE TREATMENT OF SPRAINS, MUSCULAR INFLAMMATION, AND NEURALGIA, ETC. MASAKICHI TOKUNAGA, Los Angeles, Calif.
Filed November 26, 1937. Serial No. 400,176. PUBLISHED MARCH 15, 1938. Class 6.

357,082. PHARMACEUTICAL PREPARATION, PARTICULARLY FOR THE TREATMENT OF EXTERNAL AILMENTS, SUCH AS CUTS, WOUNDS, BOILS, CARBUNCLES, FELONS, CHILBLAINS, FROST BITE, AND ECZEMA. THORA MAGELSSEN, doing business as Magelssen Laboratories, Rushford, Minn.
Filed November 29, 1937. Serial No. 400,242. PUBLISHED MARCH 8, 1938. Class 6.

357,083. TRACTOR CHAINS. S. G. TAYLOR CHAIN COMPANY, Hammond, Ind.
Filed November 29, 1937. Serial No. 400,257. PUBLISHED MARCH 15, 1938. Class 23.

357,084. LIQUID PREPARATION FOR USE AS A DIGESTANT AND STOMACHIC. R. P. ALEXANDER, Rome, Ga.
Filed November 30, 1937. Serial No. 400,282. PUBLISHED MARCH 15, 1938. Class 6.

357,085. PRESSURE GAUGES AND PRESSURE INDICATING AND RECORDING APPARATUS. THE STATIMETER COMPANY LTD., Liverpool, England.
Filed November 30, 1937. Serial No. 400,322. PUBLISHED MARCH 15, 1938. Class 26.

357,086. SWEATERS CONTAINING A SUBSTANTIAL CONTENT OF THE GENUINE HAIR OF THE ALPACA. GLASCO LIMITED, Philadelphia, Pa.
Filed December 2, 1937. Serial No. 400,369. PUBLISHED MARCH 8, 1938. Class 39.

357,087. LADIES' AND CHILDREN'S STREET DRESSES, SKIRTS, SWEATERS, SUITS, COATS, AND SPORT DRESSES. THE COTTON SHOP, INC., New York, N. Y.
Filed December 6, 1937. Serial No. 400,494. PUBLISHED MARCH 8, 1938. Class 39.

357,088. DRIED APPLES. ROSENBERG BROS. & CO., San Francisco, Calif.
Filed December 6, 1937. Serial No. 400,529. PUBLISHED MARCH 15, 1938. Class 46.

357,089. CHILDREN'S SWEATERS AND COMBINATION PANTIE AND SWEATER SETS. HENRY SCHANZER & SONS, INC., New York, N. Y.
Filed December 6, 1937. Serial No. 400,530. PUBLISHED MARCH 15, 1938. Class 39.

357,090. GARMENTS FORMED OF COTTON AND/OR RAYON—NAMELY, SUN SUITS, PLAY SUITS, UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, PAJAMAS FOR MEN, WOMEN, AND CHILDREN, NIGHTGOWNS FOR WOMEN AND CHILDREN, APRONS, MAIDS' UNIFORMS, MAIDS' APRONS, MAIDS' COLLARS, MAIDS' CUFFS, AND MAIDS' HEAD BAND SETS, DIAPERS, INFANTS' DRESSES, BOYS' ROMPERS, WASH SUITS. EUGENE E. STONE, III, doing business as The Stone Manufacturing Company, Greenville, S. C.
Filed December 6, 1937. Serial No. 400,537. PUBLISHED MARCH 8, 1938. Class 39.

357,091. GARMENTS FORMED OF COTTON AND/OR RAYON—NAMELY, SUN SUITS, PLAY SUITS, UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, PAJAMAS FOR MEN, WOMEN, AND CHILDREN, NIGHTGOWNS FOR WOMEN AND CHILDREN, APRONS, MAIDS' UNIFORMS, MAIDS' APRONS, MAIDS' COLLARS, MAIDS' CUFFS, AND MAIDS' HEAD BAND SETS, DIAPERS, INFANTS' DRESSES, BOYS' ROMPERS, WASH SUITS. EUGENE E. STONE, III, doing business as The Stone Manufacturing Company, Greenville, S. C.
Filed December 6, 1937. Serial No. 400,538. PUBLISHED MARCH 8, 1938. Class 39.

357,092. MOTOR SEALING COMPOUND. BRAINERD L. MELLINGER, doing business as Ovrhaul Company, Kansas City, Mo.
Filed December 8, 1937. Serial No. 400,605. PUBLISHED MARCH 8, 1938. Class 6.

357,093. RIBBON FLY CATCHER. HONEY-WEB INC., New York, N. Y.
Filed December 9, 1937. Serial No. 400,644. PUBLISHED MARCH 15, 1938. Class 50.

357,094. DISINFECTANTS, DEODORANTS, INSECTICIDES, GERMICIDES, ANIMAL DIPS, SHAMPOOS, AND DRAIN PIPE CLEANING PREPARATIONS. AMERICAN DISINFECTING CO., INC., Sedalia, Mo.
Filed December 10, 1937. Serial No. 400,674. PUBLISHED MARCH 15, 1938. Class 6.

357,095. CONTRASEPTIC PREPARATION. CURTIS H. CARLETON, doing business as Florence Products, Richmond, Ind.
Filed December 10, 1937. Serial No. 400,682. PUBLISHED MARCH 8, 1938. Class 6.

357,096. PREPARATION USED TO PREPARE THE HAIR AND BEARD FOR SHAVING. MAX GOLDMANN, doing business as U X Company, New York, N. Y.
Filed December 10, 1037. Serial No. 400,690. PUBLISHED MARCH 15, 1938. Class 4.

357,097. PROPANE GAS TO BE USED FOR COOKING AND OTHER DOMESTIC PURPOSES. WASATCH OIL REFINING COMPANY, Woods Cross and Salt Lake City, Utah.
Filed December 10, 1937. Serial No. 400,712. PUBLISHED MARCH 8, 1938. Class 6.



357,098. STRUCTURAL GLASS. ROYAL GLASS WORKS CORPORATION, Long Island City, N. Y.
Filed December 11, 1937. Serial No. 400,734. PUBLISHED MARCH 15, 1938. Class 12.

357,099. VITAMIN TABLETS. JAMES L. YOUNGHUSBAND, Chicago, Ill.
Filed December 11, 1937. Serial No. 400,741. PUBLISHED MARCH 8, 1938. Class 6.

357,100. ACID AND ALKALI RESISTANT PAINT FOR CONCRETE, WOOD, AND METAL. WELLINGTON E. BULL, New York, N. Y.
Filed December 13, 1937. Serial No. 400,744. PUBLISHED MARCH 15, 1938. Class 16.

357,101. RADIO RECEIVING SETS. CENTER MUSIC STORES, INC., New York, N. Y.
Filed December 13, 1937. Serial No. 400,751. PUBLISHED MARCH 15, 1938. Class 21.

357,102. CANDY. JACOBS CANDY COMPANY, INC., New Orleans, La.
Filed December 13, 1937. Serial No. 400,767. PUBLISHED MARCH 15, 1938. Class 46.

357,103. WOMEN'S COATS AND SUITS CONTAINING A SUBSTANTIAL CONTENT OF MOHAIR. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio.
Filed December 13, 1937. Serial No. 400,792. PUBLISHED MARCH 15, 1938. Class 39.

357,104. CONCENTRATED DEHYDRATED, VEGETABLE, MILK, AND FRUIT PRODUCT WITH ADDED NATURAL VITAMIN CONCENTRATES OBTAINED FROM VEGETABLE AND FISH OIL SOURCES. VITAMINERALS, INC., Los Angeles, Calif.
Filed December 13, 1937. Serial No. 400,813. PUBLISHED MARCH 15, 1938. Class 46.

357,105. BATH OILS, BATH SALTS, FACE POWDERS, HAND LOTIONS, SUNTAN LOTIONS, FACIAL CREAMS, LIPSTICKS, HAIR PREPARATIONS, PERFUMES, EAU DE COLOGNES, DEODORANTS, MANICURE PREPARATIONS, ASTRINGENTS. ARCADE, INC., New York, N. Y.
Filed December 14, 1937. Serial No. 400,823. PUBLISHED MARCH 8, 1938. Class 6.

357,106. PERFUMES. BARBARA GOULD, INC., New York, N. Y.
Filed December 14, 1937. Serial No. 400,837. PUBLISHED MARCH 8, 1938. Class 6.

357,107. PERFUMES. BARBARA GOULD, INC., New York, N. Y.
Filed December 14, 1937. Serial No. 400,838. PUBLISHED MARCH 8, 1938. Class 6.

357,108. PERFUMES. BARBARA GOULD, INC., New York, N. Y.
Filed December 14, 1937. Serial No. 400,839. PUBLISHED MARCH 8, 1938. Class 6.

357,109. PERFUMES. BARBARA GOULD, INC., New York, N. Y.
Filed December 14, 1937. Serial No. 400,840. PUBLISHED MARCH 8, 1938. Class 6.

357,110. AUTOMOBILES, BICYCLES, AND MOTORCYCLES, AND STRUCTURAL PARTS THEREFOR. GUY BUNAU-VARILLA, Boulogne-sur-Seine, France.
Filed December 14, 1937. Serial No. 400,858. PUBLISHED MARCH 15, 1938. Class 19.

357,111. WOMEN'S, MISSES', AND CHILDREN'S CLOTHING—NAMELY, ONE AND TWO PIECE DRESSES, AND OUTER CLOTHING SUITS. MORRIS SOBELMAN, doing business as Perfect Garment Company, Baltimore, Md.
Filed December 15, 1937. Serial No. 400,884. PUBLISHED MARCH 1, 1938. Class 39.

357,112. INSECTICIDE, VERMICIDE, AND LARVAECIDE. SUN RAY DRUG COMPANY, doing business as R-A-K Laboratories, Philadelphia, Pa.
Filed December 15, 1937. Serial No. 400,883. PUBLISHED MARCH 8, 1938. Class 6.

357,113. VITAMIN PRODUCT IN PERLE, CAPSULE, OR TABLET FORM. TULON PRODUCTS, INC., New York, N. Y.
Filed December 15, 1937. Serial No. 400,889. PUBLISHED MARCH 15, 1938. Class 6.

357,114. COAL. BELL & ZOLLER COAL COMPANY, Chicago, Ill.
Filed December 16, 1937. Serial No. 400,898. PUBLISHED MARCH 15, 1938. Class 1.

357,115. COAL. BELL & ZOLLER COAL COMPANY, Chicago, Ill.
Filed December 16, 1937. Serial No. 400,900. PUBLISHED MARCH 15, 1938. Class 1.

357,116. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. JOHN HENRY MILLER, doing business as Ardell Ames, New York, N. Y.
Filed December 16, 1937. Serial No. 400,917. PUBLISHED MARCH 15, 1938. Class 6.

357,117. JEWELRY FOR PERSONAL WEAR OR ADORNMENT NOT INCLUDING WATCHES. AMERICAN RENAISSANCE ASSOCIATES, INC., White Plains, N. Y.
Filed December 17, 1937. Serial No. 400,941. PUBLISHED MARCH 1, 1938. Class 28.

357,118. TOILET WATERS AND DUSTING POWDERS. KERK GUILD, INC., Whitesboro, N. Y.
Filed December 17, 1937. Serial No. 400,974. PUBLISHED MARCH 15, 1938. Class 6.

357,119. PHARMACEUTICAL MEDICINAL PRODUCTS INTENDED FOR NASAL ADMINISTRATION, A NASAL INHALANT AND NOSE DROPS. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed December 17, 1937. Serial No. 400,998. PUBLISHED MARCH 15, 1938. Class 6.

357,120. MINCE MEAT. THE BORDEN COMPANY, New York, N. Y.
Filed December 18, 1937. Serial No. 401,014. PUBLISHED MARCH 15, 1938. Class 46.

357,121. DRY REAGENT FOR TESTING SOLUTIONS FOR SUGAR. THE DENVER CHEMICAL MANUFACTURING COMPANY, New York, N. Y.
Filed December 18, 1937. Serial No. 401,016. PUBLISHED MARCH 15, 1938. Class 6.

357,122. WHEEL BARROWS AND CONCRETE CARTS. JACKSON MANUFACTURING CO., Harrisburg, Pa.
Filed December 18, 1937. Serial No. 401,024. PUBLISHED MARCH 15, 1938. Class 19.

357,123. GREETING CARDS, CALENDARS, AND DECORATIVE PRINTED TAGS. NORCROSS, New York, N. Y.
Filed December 18, 1937. Serial No. 401,030. PUBLISHED MARCH 8, 1938. Class 38.

357,124. IGNITION COILS. ELSBERT MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed December 20, 1937. Serial No. 401,056. PUBLISHED MARCH 15, 1938. Class 21.

357,125. ASTRINGENT. CAMPANA CORPORATION, Batavia, Ill.
Filed December 17, 1937. Serial No. 401,089. PUBLISHED MARCH 8, 1938. Class 6.

357,126. CRAWFISH BISQUE, TURTLE SOUP, CRAB MEAT A LA KING, SHRIMP AND CRAB GUMBO, FROGS' LEGS A LA KING, FROGS' LEGS SOUP, AND SHRIMP REMOULADE. ALBERT BROEL, doing business as American Frog Canning Co. and also Mardi Gras Products Company, New Orleans, La.
Filed December 20, 1937. Serial No. 401,095. PUBLISHED MARCH 15, 1938. Class 46.

357,127. SPARK PLUGS. WILLIAM K. ANDERSEN, Brooklyn, N. Y.
Filed December 21, 1937. Serial No. 401,100. PUBLISHED MARCH 15, 1938. Class 21.

357,128. CLEANSING CREAM. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed December 21, 1937. Serial No. 401,102. PUBLISHED MARCH 15, 1938. Class 6.

357,129. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. MAISON JOUBERT, INC., New York, N. Y.
Filed December 21, 1937. Serial No. 401,115. PUBLISHED MARCH 15, 1938. Class 6.

357,130. METALLIC CLOSURES FOR CONTAINERS. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md.
Filed December 22, 1937. Serial No. 401,134. PUBLISHED MARCH 15, 1938. Class 50.

357,131. APPARATUS IN WHICH AN UNKNOWN SOLUTION CONTAINED IN A LONG TUBE IS COMPARED WITH EACH OF 10 KNOWN SOLUTIONS IN SIMILAR TUBES ON A ROTATING DRUM, MORE COMMONLY KNOWN AS A COLOR COMPARISON APPARATUS. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa.
Filed December 22, 1937. Serial No. 401,138. PUBLISHED MARCH 15, 1938. Class 26.

357,132. TEXTILE WEIGHTING CHEMICALS. HAAS-MILLER CORP., Philadelphia, Pa.
Filed December 22, 1937. Serial No. 401,145. PUBLISHED MARCH 15, 1938. Class 6.

357,133. CONTRACEPTIVE PREPARATION. THE DAYTON LABORATORIES, INCORPORATED, Dayton, Ohio.
Filed December 23, 1937. Serial No. 401,180. PUBLISHED MARCH 1, 1938. Class 6.

357,134. POULTRY FOOD. GENERAL MILLS, INC., Minneapolis, Minn.
Filed December 23, 1937. Serial No. 401,183. PUBLISHED MARCH 15, 1938. Class 46.

357,135. PAINTS IN PASTE FORM. INTERSTATE PAINT COMPANY, Chicago, Ill.
Filed December 23, 1937. Serial No. 401,185. PUBLISHED MARCH 15, 1938. Class 16.

357,136. PAINTS IN PASTE FORM. INTERSTATE PAINT COMPANY, Chicago, Ill.
Filed December 23, 1937. Serial No. 401,186. PUBLISHED MARCH 15, 1938. Class 16.

357,137. ANAESTHETIC. MERCK & CO., INC., Rahway, N. J.
Filed December 24, 1937. Serial No. 401,221. PUBLISHED MARCH 15, 1938. Class 6.

357,138. MEDICINAL ESTROGENIC HORMONE PREPARATION FOR USE IN THE TREATMENT OF MENOPAUSE, INFANTILE GONORRHEAL VAGINITIS, AMENORRHEAS AND ALL OTHER CONDITIONS DUE TO A LACK OF ESTROGENIC HORMONES. SCHERING CORPORATION, Bloomfield, N. J.
Filed December 24, 1937. Serial No. 401,224. PUBLISHED MARCH 8, 1938. Class 6.

357,139. MOTION PICTURE PROJECTING MACHINES. STANDARD PROJECTORS, INC., New York, N. Y.
Filed December 24, 1937. Serial No. 401,227. PUBLISHED MARCH 15, 1938. Class 26.

357,140. MEDICATED LOZENGES FOR HUMAN USE IN AILMENTS OF THE THROAT AND CHEST. BOOTS PURE DRUG COMPANY LIMITED, Nottingham, England.
Filed December 27, 1937. Serial No. 401,234. PUBLISHED MARCH 15, 1938. Class 6.

357,141. CORN STARCH. CLINTON COMPANY, Clinton, Iowa.
Filed December 27, 1937. Serial No. 401,237. PUBLISHED MARCH 15, 1938. Class 46.

357,142. SHUTTERS AND DAMPERS FOR VENTILATING AND AIR CONDITIONING PURPOSES; FAN AND SHUTTER ASSEMBLIES, AND VENTILATING SHUTTER UNITS EQUIPPED WITH FAN MOUNTINGS. ELCO SHUTTER & MANUFACTURING COMPANY, Detroit, Mich.
Filed December 27, 1937. Serial No. 401,243. PUBLISHED MARCH 15, 1938. Class 34.

357,143. FRESH PINEAPPLES, TOMATOES, PEPPERS, EGGPLANTS, CUCUMBERS, ORANGES, GRAPEFRUIT, TANGERINES. GARGIULO & AMENDOLA, INC., New York, N. Y.
Filed December 27, 1937. Serial No. 401,255. PUBLISHED MARCH 15, 1938. Class 46.

357,144. OUTER SHIRTS FOR MEN AND BOYS. THE HALLMARK SHIRT CO., INC., New York, N. Y.
Filed December 27, 1937. Serial No. 401,260. PUBLISHED MARCH 8, 1938. Class 39.

357,145. MAGAZINE SECTION. MEREDITH PUBLISHING COMPANY, Des Moines, Iowa.
Filed December 27, 1937. Serial No. 401,267. PUBLISHED MARCH 8, 1938. Class 38.

357,146. PIECE GOODS OF COTTON ESPECIALLY MANUFACTURED AND PARTICULARLY ADAPTED FOR USE IN THE MANUFACTURE OF QUILTS, PADS, MATTRESSES, AND THE LIKE. CHESTER L. THOMAS, Denver, Colo.
Filed December 27, 1937. Serial No. 401,284. PUBLISHED MARCH 15, 1938. Class 42.

357,147. CHEMICALS SUITABLE FOR USE IN THE DYEING INDUSTRY. JOHN CAMPBELL & CO., New York, N. Y.
Filed December 28, 1937. Serial No. 401,292. PUBLISHED MARCH 15, 1938. Class 6.

357,148. INSECTICIDES AND INSECTICIDAL COMPOSITIONS COMPRISING AS THE PRINCIPAL ACTIVE INGREDIENTS ONE OR MORE COMPOUNDS FROM THE GROUP CONSISTING OF DINITROPHENOLS, ETC. THE DOW CHEMICAL COMPANY, Midland, Mich.
Filed December 28, 1937. Serial No. 401,299. PUBLISHED MARCH 15, 1938. Class 6.

357,149. PREPARATION FOR USE IN THE TREATMENT OF GONORRHEA. JOE T. HUDSON, Sutherland Springs, Tex.
Filed December 28, 1937. Serial No. 401,305. PUBLISHED MARCH 1, 1938. Class 6.

357,150. BREAD, CRACKERS, COOKIES, BISCUITS, PASTRIES, FRUIT CAKE, AND CANDIES. STERLING CAKE CO., INC., Brooklyn, N. Y.
Filed December 28, 1937. Serial No. 401,321. PUBLISHED MARCH 15, 1938. Class 46.

357,151. OSMOTHERAPEUTIC TREATMENT OF EAR DISEASES. THE DOHO CHEMICAL CORPORATION, New York, N. Y.
Filed December 29, 1937. Serial No. 401,339. PUBLISHED MARCH 15, 1938. Class 6.

357,152. PERIODICAL OFFICIAL PUBLICATION OF THE RUSSIAN MISSIONARY HERALD. RUSSIA INLAND RELIEF MISSION, New York, N. Y.
Filed December 29, 1937. Serial No. 401,352. PUBLISHED MARCH 15, 1938. Class 38.

357,153. HOSIERY. WILBUR-ROGERS, INC., New York, N. Y.
Filed December 29, 1937. Serial No. 401,358. PUBLISHED MARCH 15, 1938. Class 39.

357,154. MAYONNAISE. BENNETT FOODS PRODUCTS CO., Baltimore, Md.
Filed December 30, 1937. Serial No. 401,367. PUBLISHED MARCH 15, 1938. Class 46.

357,155. LADIES' SUITS AND COATS. A. DAVIS & SONS, INC., Jersey City, N. J., and New York, N. Y.
Filed December 30, 1937. Serial No. 401,373. PUBLISHED MARCH 8, 1938. Class 39.

357,156. WHEAT FLOUR. JIM C. LOCKE, doing business as Jim C. Locke Company, Wharton, Tex.
Filed December 30, 1937. Serial No. 401,394. PUBLISHED MARCH 15, 1938. Class 46.

357,157. WATERPROOF FABRICS CONTAINING NO RUBBER OF ANY KIND. MOISTURE PROOF FABRICS, INC., New York, N. Y.
Filed December 30, 1937. Serial No. 401,396. PUBLISHED MARCH 15, 1938. Class 50.



357,158. CHEMICALS FOR TREATING FIBERS OF WOOL OR WOOL IN ADMIXTURE WITH COTTON, RAYON, OR SILK WOVEN INTO FABRICS. THE ARTIVIN CORPORATION, New York, N. Y.
Filed December 31, 1937. Serial No. 401,415. PUBLISHED MARCH 1, 1938. Class 6.

357,159. DRUGS—NAMELY, INFANTS' AND ADULTS' GLYCERINE SUPPOSITORIES, PEROXIDE, MOUTH WASH, WITCH HAZEL, MILK OF MAGNESIA, ETC. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed December 31, 1937. Serial No. 401,420. PUBLISHED MARCH 8, 1938. Class 6.

357,160. LADIES' AND GIRLS' GOWNS AND DRESSES. DORSA DRESSES, INC., doing business as Dor Ann Frocks, St. Louis, Mo.
Filed December 31, 1937. Serial No. 401,430. PUBLISHED MARCH 15, 1938. Class 39.

357,161. CHEMICAL COMPOUNDS EMPLOYED AS WETTING, SPREADING, EMULSIFYING, DISPERSING, AND PENETRATING AGENTS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed January 3, 1938. Serial No. 401,499. PUBLISHED MARCH 8, 1938. Class 6.

357,162. CHEMICAL COMPOUNDS EMPLOYED AS WETTING, SPREADING, EMULSIFYING, DISPERSING, AND PENETRATING AGENTS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed January 3, 1938. Serial No. 401,500. PUBLISHED MARCH 8, 1938. Class 6.

357,163. CHEMICAL COMPOUNDS EMPLOYED AS WETTING, SPREADING, EMULSIFYING, DISPERSING, AND PENETRATING AGENTS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed January 3, 1938. Serial No. 401,501. PUBLISHED MARCH 8, 1938. Class 6.

357,164. TEXTILE FABRICS IN THE PIECE OF ALL TYPES AND STYLES, MADE OF COTTON, SILK, RAYON, ARTIFICIAL SILK, OR MIXTURES OF COTTON AND SILK, COTTON AND RAYON, OR COTTON AND ARTIFICIAL SILK, COVERLETS, BED SPREADS, QUILTS, COMFORTER COVERS AND PUFF COVERS, COUNTERPANES, MATTRESS TICKING, BED SHEETS AND PILLOW CASES MANUFACTURED FROM SAID FABRICS OR ANY OF THEM, AND BLANKETS MADE OF WOOL OR MIXTURES OF COTTON AND WOOL. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed January 3, 1938. Serial No. 401,506. PUBLISHED MARCH 15, 1938. Class 42.

357,165. MEN'S DRESS, NEGLIGEE, AND SPORT SHIRTS, PAJAMAS, AND UNDERWEAR. THE ENRO SHIRT CO., Louisville, Ky.
Filed January 4, 1938. Serial No. 401,524. PUBLISHED MARCH 8, 1938. Class 39.

357,166. ANTACID PREPARATION FOR THE TREATMENT OF INDIGESTION, HYPERACIDITY, AND THE LIKE. FOSTER-MCCLELLAN COMPANY, Buffalo, N. Y.
Filed January 4, 1938. Serial No. 401,527. PUBLISHED MARCH 8, 1938. Class 6.

357,167. PERIODICAL BROCHURES AND PAMPHLETS. HENRY S. BUNTING, Chicago, Ill.
Filed January 5, 1938. Serial No. 401,553. PUBLISHED MARCH 8, 1938. Class 38.

357,168. WOMEN'S AND CHILDREN'S COTTON, RAYON, FLANNEL AND FLANNELETTE NIGHTGOWNS, PAJAMAS AND SLEEPERS, SAID SLEEPERS BEING A GARMENT SIMILAR IN NATURE TO ONE-PIECE PAJAMAS EXCEPT THAT THE LEGS IN SUCH GARMENTS ARE COMPLETELY CLOSED AT THE BOTTOM ENCASING THE FEET AND LEGS OF THE WEARER. IDEAL LADIES UNDERGARMENT COMPANY, New York, N. Y.
Filed January 5, 1938. Serial No. 401,574. PUBLISHED MARCH 15, 1938. Class 39.

357,169. WOOLEN CLOTH AND MIXED WOOL AND COTTON CLOTH. LEVINSOHN BROS. & CO., INC., New York, N. Y.
Filed January 5, 1938. Serial No. 401,575. PUBLISHED MARCH 15, 1938. Class 42.

357,170. ALUMINUM SHEETS AS USED IN STORE FRONT STRUCTURAL MATERIAL AND IN PANELS FOR CONSTRUCTION WORK. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed January 5, 1938. Serial No. 401,584. PUBLISHED MARCH 15, 1938. Class 12.

357,171. MEDICINE FOR HYGIENIC CARE OF HAIR FOLLICLES AND SCALP. CAPATONE PRODUCTS CO., INC., New York, N. Y.
Filed January 6, 1938. Serial No. 401,601. PUBLISHED MARCH 8, 1938. Class 6.

357,172. JOURNAL PUBLISHED AT IRREGULAR INTERVALS. INTERNATIONAL ASSOCIATION OF MILK SANITARIANS, Albany, N. Y.
Filed January 6, 1938. Serial No. 401,612. PUBLISHED MARCH 15, 1938. Class 38.

357,173. COUGH PREPARATION. THE WM. S. MERRELL COMPANY, Reading, Ohio.
Filed January 6, 1938. Serial No. 401,614. PUBLISHED MARCH 8, 1938. Class 6.

357,174. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. TRIFARI, KRUSSMAN & FISHEL, INC., New York, N. Y.
Filed January 6, 1938. Serial No. 401,626. PUBLISHED MARCH 1, 1938. Class 28.

357,175. ANTI-ACID STOMACH TABLET. COMFORT MANUFACTURING COMPANY, Chicago, Ill.
Filed January 7, 1938. Serial No. 401,653. PUBLISHED MARCH 8, 1938. Class 6.

357,176. COTTON PIECE GOODS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed January 7, 1938. Serial No. 401,677. PUBLISHED MARCH 15, 1938. Class 42.

357,177. MEN'S, WOMEN'S, AND/OR CHILDREN'S CLOTHING—NAMELY, TOPCOATS AND OVERCOATS. S. WEITZ & COMPANY, INC., Cleveland, Ohio.
Filed January 7, 1938. Serial No. 401,684. PUBLISHED MARCH 8, 1938. Class 39.

357,178. PUBLICATION PUBLISHED FROM TIME TO TIME. RISING TIDE, INC., New York, N. Y.
Filed January 8, 1938. Serial No. 401,704. PUBLISHED MARCH 8, 1938. Class 38.

357,179. BATHING SUITS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed January 8, 1938. Serial No. 401,706. PUBLISHED MARCH 8, 1938. Class 39.

357,180. ELECTRICALLY OPERATED TOOTH BRUSH. MOTODENT INC., Los Angeles, Calif.
Filed January 10, 1938. Serial No. 401,715. PUBLISHED MARCH 15, 1938. Class 44.

357,181. RAW POP CORN. AMERICAN POP CORN COMPANY, Sioux City, Iowa.
Filed January 10, 1938. Serial No. 401,721. PUBLISHED MARCH 15, 1938. Class 46.

357,182. CANNED SPINACH. THE FRANK PURE FOOD COMPANY, Franksville, Wis.
Filed January 10, 1938. Serial No. 401,731. PUBLISHED MARCH 15, 1938. Class 46.

357,183. CANNED SAUERKRAUT AND CANNED SAUERKRAUT JUICE. THE FRANK PURE FOOD COMPANY, Franksville, Wis.
Filed January 10, 1938. Serial No. 401,732. PUBLISHED MARCH 15, 1938. Class 46.

357,184. COCKTAIL OF TOMATO AND SAUERKRAUT JUICE. THE FRANK PURE FOOD COMPANY, Franksville, Wis.
Filed January 10, 1938. Serial No. 401,734. PUBLISHED MARCH 15, 1938. Class 46.

357,185. UNDERWEAR FOR WOMEN AND CHILDREN. Rufus B. Love, Greenville, Tex.
Filed January 10, 1938. Serial No. 401,747. PUBLISHED MARCH 15, 1938. Class 39.

357,186. INSECTICIDE. The Hammond Paint & Chemical Co., Inc., Beacon, N. Y.
Filed January 11, 1938. Serial No. 401,779. PUBLISHED MARCH 8, 1938. Class 6.

357,187. ASPHALT AND ASPHALTIC COMPOUNDS. Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif.
Filed January 11, 1938. Serial No. 401,797. PUBLISHED MARCH 15, 1938. Class 12.

357,188. WOMEN'S AND MISSES' ONE-PIECE COMBINATION DRESS AND CULOTTE. M. C. Schrank Company, Bridgeton, N. J.
Filed January 12, 1938. Serial No. 401,836. PUBLISHED MARCH 15, 1938. Class 39.

357,189. WOMEN'S, MISSES', AND CHILDREN'S SLACKS, PLAYSUITS, CULOTTES. U. S. Knitwear Corp., New York, N. Y.
Filed January 12, 1938. Serial No. 401,837. PUBLISHED MARCH 15, 1938. Class 39.

357,190. DIALKYL-DITHIOCARBAMATE OF SELENIUM USED AS AN ACCELERATOR AND VULCANIZING AGENT IN THE MANUFACTURE OF RUBBER PRODUCTS. R. T. Vanderbilt Company, Inc., New York, N. Y.
Filed January 12, 1938. Serial No. 401,841. PUBLISHED MARCH 15, 1938. Class 6.

357,191. WIRE FENCING AND METAL FENCE POSTS. Collinson Fence Co., Orange, N. J.
Filed January 13, 1938. Serial No. 401,850. PUBLISHED MARCH 15, 1938. Class 13.

357,192. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. Jos. S. Finch & Co., Inc., New York, N. Y., and Schenley, Pa.
Filed January 13, 1938. Serial No. 401,854. PUBLISHED MARCH 15, 1938. Class 49.

357,193. LADIES' AND MISSES' COATS AND SUITS. The Keller-Kohn Co., Cleveland, Ohio.
Filed January 13, 1938. Serial No. 401,866. PUBLISHED MARCH 15, 1938. Class 39.

357,194. LADIES' AND MISSES' COATS AND SUITS. The Keller-Kohn Co., Cleveland, Ohio.
Filed January 13, 1938. Serial No. 401,867. PUBLISHED MARCH 15, 1938. Class 39.

357,195. SCIENTIFIC HORMONE PREPARATION PRIMARILY INTENDED FOR BEAUTIFYING WOMEN'S BREASTS. Henry Schuls, New York, N. Y.
Filed January 13, 1938. Serial No. 401,873. PUBLISHED MARCH 15, 1938. Class 6.

357,196. CLOTHS AND STUFFS MADE WHOLLY OF WOOL OR WORSTED. British Samek Limited, London, England.
Filed January 14, 1938. Serial No. 401,888. PUBLISHED MARCH 15, 1938. Class 42.

357,197. PIECE GOODS OF COTTON, RAYON, SILK, AND SYNTHETIC YARNS. Max Harris, doing business as Max Harris Textile Co., New York, N. Y.
Filed January 14, 1938. Serial No. 401,898. PUBLISHED MARCH 15, 1938. Class 42.

357,198. SHEETS, PILLOW CASES, MATTRESS COVERS AND PADS, BLANKETS. The May Department Stores Company, New York, N. Y.; Akron, Ohio; Baltimore, Md.; Cleveland, Ohio; Denver, Colo.; Los Angeles, Calif.; St. Louis, Mo.
Filed January 14, 1938. Serial No. 401,902. PUBLISHED MARCH 15, 1938. Class 42.

357,199. SCOTCH WHISKY. Train & McIntyre, Limited, Glasgow, Scotland.
Filed January 14, 1938. Serial No. 401,912. PUBLISHED MARCH 15, 1938. Class 49.

357,200. GAME CONSISTING OF A PLAYING BOARD AND VARIOUS CARDS, SCRIP, PRINTED LETTERS, BLANK SQUARES, ENROLLMENT CERTIFICATES, AND BADGES. Wayne P. Zent, doing business as Troy Linotyping Co., Troy, N. Y.
Filed January 14, 1938. Serial No. 401,915. PUBLISHED MARCH 15, 1938. Class 22.

357,201. WATER-SOFTENER IN POWDER OR TABLET FORM. The Phosphate Mining Company, New York, N. Y.
Filed January 15, 1938. Serial No. 401,946. PUBLISHED MARCH 15, 1938. Class 6.

357,202. HOSIERY. J. W. Landenberger & Co., Philadelphia, Pa.
Filed January 15, 1938. Serial No. 401,956. PUBLISHED MARCH 15, 1938. Class 39.

357,203. COUGH MEDICINE. Cavacos' Drug Company, Baltimore, Md.
Filed January 17, 1938. Serial No. 401,983. PUBLISHED MARCH 15, 1938. Class 6.

357,204. LOCKS AND KEYS. Independent Lock Company, Fitchburg, Mass.
Filed January 17, 1938. Serial No. 402,004. PUBLISHED MARCH 15, 1938. Class 25.

357,205. SWEATERS. May Knitting Co., Inc., New York, N. Y.
Filed January 17, 1938. Serial No. 402,011. PUBLISHED MARCH 15, 1938. Class 39.

357,206. FLOOR RUGS. Pands, Cameron & Co., New York, N. Y.
Filed January 17, 1938. Serial No. 402,016. PUBLISHED MARCH 15, 1938. Class 42.

357,207. PLASTIC COMPOSITIONS EMPLOYED AS CEMENTS AND CALKING COMPOUNDS IN BUILDING INSTALLATIONS INCLUDING STRUCTURAL GLASS. Pecora Paint Company, Philadelphia, Pa.
Filed January 17, 1938. Serial No. 402,018. PUBLISHED MARCH 15, 1938. Class 12.

357,208. PROPHYLACTIC SHEATHS, SKINS, AND RUBBER ARTICLES USED FOR THE PREVENTION OF DISEASE. W. H. Reed & Company, Inc., Atlanta, Ga.
Filed January 17, 1938. Serial No. 402,021. PUBLISHED MARCH 15, 1938. Class 44.

357,209. FIRE-RESISTING DOORS USED IN BUILDING CONSTRUCTION. The Richmond Fireproof Door Company, Richmond, Ind.
Filed January 17, 1938. Serial No. 402,024. PUBLISHED MARCH 15, 1938. Class 12.

357,210. COMBINATION BLANKET AND SLEEPING GARMENT. Tidy Products Corporation, New York, N. Y.
Filed January 17, 1938. Serial No. 402,036. PUBLISHED MARCH 15, 1938. Class 39.

357,211. SUITS, COATS, VESTS, PANTS, TOPCOATS, AND OVER-COATS FOR MEN. Pincus Bros., Inc., Philadelphia, Pa.
Filed January 14, 1938. Serial No. 402,046. PUBLISHED MARCH 15, 1938. Class 39.

357,212. CHILDREN'S, MISSES', AND LADIES' DRESSES AND COATS. Marlon Garment Co. Inc., New York, N. Y.
Filed January 18, 1938. Serial No. 402,067. PUBLISHED MARCH 15, 1938. Class 39.

357,213. CANDY. Doris R. Dietsch, Findlay, Ohio.
Filed January 20, 1938. Serial No. 402,118. PUBLISHED MARCH 15, 1938. Class 46.

357,214. GELATIN DESSERT IN CRYSTALLINE FORM. Palestine House Inc., New York, N. Y.
Filed January 20, 1938. Serial No. 402,138. PUBLISHED MARCH 15, 1938. Class 46.

357,215. HYGIENIC PREPARATIONS—NAMELY, VAGINAL JELLY, AND ANTISEPTIC POWDERS. Valentine Laboratories, Inc., Chicago, Ill.
Filed January 24, 1938. Serial No. 402,282. PUBLISHED MARCH 15, 1938. Class 6.



357,216. NON-ALCOHOLIC CARBONATED BEVERAGES. Sol Lemener Corporation, Buffalo, N. Y.
Filed January 25, 1938. Serial No. 402,301. PUBLISHED MARCH 15, 1938. Class 45.

357,217. MEDICINAL PREPARATION FOR TREATMENT OF HYPERTHYROIDISM. The Harrower Laboratory, Inc., Glendale, Calif.
Filed January 26, 1938. Serial No. 402,335. PUBLISHED MARCH 15, 1938. Class 6.

357,218. LEMON SODA. Louis Pietic, doing business as Carroll Bottling Co., Carroll, Iowa.
Filed January 26, 1938. Serial No. 402,343. PUBLISHED MARCH 15, 1938. Class 45.

357,219. CARPETS AND RUGS. The Magee Carpet Company, Bloomsburg, Pa.
Filed January 28, 1938. Serial No. 402,394. PUBLISHED MARCH 15, 1938. Class 42.

357,220. BASKETBALLS. The Wintark Company, Cicero, Ill.
Filed January 29, 1938. Serial No. 402,493. PUBLISHED MARCH 15, 1938. Class 22.

357,221. ALE. General Brewing Corporation, San Francisco, Calif.
Filed February 1, 1938. Serial No. 402,574. PUBLISHED MARCH 15, 1938. Class 48.

## [ACT OF MARCH 19, 1920, SEC. 1 (b)]

## THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

357,222. (CLASS 43. THREAD AND YARN.) East-Yarn, Inc., Brooklyn, N. Y. Filed Apr. 20, 1936. Serial No. 377,387.

Venetian

For Yarns.
Claims use since July 15, 1932.

357,223. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Ada Milling Company, Ada, Okla. Filed June 5, 1936. Serial No. 379,229.

CAMBRIC

For Wheat Flour, Egg Mash, Dairy Feed, and Cornmeal.
Claims use since Feb. 20, 1936.

357,224. (CLASS 37. PAPER AND STATIONERY.) George W. Schildge, doing business as George W. Schildge Paper Co., Chicago, Ill. Filed June 15, 1936. Serial No. 379,772.

PUR-PAK

For Toilet Paper.
Claims use since Spring of 1935.

357,225. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) The Reliance Gauge Column Company, Cleveland, Ohio. Filed Oct. 9, 1936. Serial No. 384,166.

EYE-HYE

For Liquid Level Gauges and Indicators, Parts and Fittings Thereof.
Claims use since Sept. 10, 1936.

357,226. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) Sterling Aluminum Products Inc., St. Louis, Mo. Filed Nov. 18, 1936. Serial No. 385,707.

U-SLOT

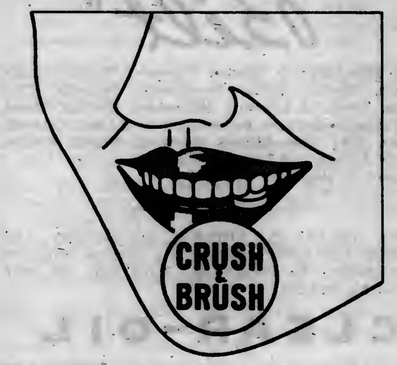
For Aluminum Pistons.
Claims use since Aug. 17, 1936.

357,227. (CLASS 27. HOROLOGICAL INSTRUMENTS.) A. R. & J. E. Meylan, New York, N. Y. Filed Apr. 3, 1937. Serial No. 390,932.

A.R.& J.E.Meylan

For Watches and Supports Therefor Designed to Prevent Dropping and Jarring.
Claims use since Mar. 30, 1937.

357,228. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Frank H. Vorhees, doing business as Vor-Sal Laboratories, Chicago, Ill. Filed May 4, 1937. Serial No. 392,298.




For Tooth Powder in Tablet Form.
Claims use since Dec. 28, 1936.

357,229. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN PEDRO VEGETABLE MARKETING CO., Los Angeles, Calif. Filed May 15, 1937. Serial No. 392,816.

The Original
SAN PEDRO

For Fresh Vegetables.
Claims use since Apr. 7, 1937.

357,230. (CLASS 45. BEVERAGES, NONALCOHOLIC.) COCORUM CO., Pittsburgh, Pa. Filed June 1, 1937. Serial No. 393,476.

CocoRum

For Concentrated Syrup Used in Making Soft Drinks.
Claims use since Mar. 1, 1937.

357,231. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) JOSEPH LEIGH SMITH, doing business as Spring Specialty Co., Maywood, Ill. Filed Sept. 3, 1937. Serial No. 397,089.

HOOK-ON

For Door-Lock Guards, Bumper Guards, Radiator Caps, and Vehicle Anti-Rattler Springs.
Claims use since July, 1933.

357,232. (CLASS 32. FURNITURE AND UPHOLSTERY.) WM. T. KNOTT COMPANY, INC., New York, N. Y. Filed Sept. 4, 1937. Serial No. 397,125.

"Finer Bilt"

For Beds, Buffets, Sewing Cabinets, Tables, Chairs, Rockers, Divans, Sofas, Davenports, Dressers, Chifforobes, Chest of Drawers, Mattresses, Springs, Desks, Secretaries, Book Cases, Radio Cabinets, Kitchen Cabinets, Mirrors, Baby Pens, Pillows, Cushions, Window Shades, Window Rollers, and Umbrella Racks.
Claims use since Mar. 1, 1937.

357,233. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DELUXE PRODUCTS CORPORATION, La Porte, Ind. Filed Sept. 10, 1937. Serial No. 397,280.

CLEAR-OIL

For Oil Filters Used as Accessories for Internal Combustion Engines.
Claims use since Jan. 5, 1934.

357,234. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) LEE RUBBER AND TIRE CORPORATION, Youngstown, Ohio. Filed Sept. 20, 1937. Serial No. 397,581.

HI-GRADER

For Belting of Rubber and Fabric Composition.
Claims use since Apr. 1, 1937.

357,235. (CLASS 5. ADHESIVES.) B. K. ELLIOTT COMPANY, Pittsburgh, Pa. Filed Dec. 17, 1937. Serial No. 400,963.

LUXOR

For Rubber Adhesive Cement.
Claims use since June 30, 1932.

357,236. (CLASS 45. BEVERAGES, NONALCOHOLIC.) DR. PEPPER BOTTLING COMPANY, Greenville, Tex. Filed Jan. 20, 1938. Serial No. 402,139.

Craig's
ROOTBEER

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Mar. 20, 1937.

357,237. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JERRY M. HUDSON, doing business as Hudson Products, Defiance, Ohio. Filed Jan. 29, 1938. Serial No. 402,477.

HUDSON'S
ALL-MIX

For Poultry Feed.
Claims use since Aug. 10, 1935.

357,238. (CLASS 37. PAPER AND STATIONERY.) FOX RIVER PAPER COMPANY, Appleton, Wis. Filed Feb. 15, 1938. Serial No. 403,038.

PATTEN
MIMEO BOND

For Bond Paper.
Claims use since Oct. 2, 1928.



357,239. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JEAN R. GIRARD, INC., New York, N. Y. Filed Mar. 9, 1938. Serial No. 403,866.

GIRARD PERREGAUX

For Watch Movements and Wrist and Pocket Watches.
Claims use since June 15, 1929.

357,240. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) LARUS & BROTHER COMPANY, Richmond, Va. Filed Mar. 19, 1938. Serial No. 404,254.

Olde London

For Pipes.
Claims use since Apr. 15, 1935.

357,241. (CLASS 43. THREAD AND YARN.) HOOKER & SANDERS, INCORPORATED, New York, N. Y. Filed Mar. 24, 1938. Serial No. 404,441.

BERKELEY

For Thread and Yarn.
Claims use since Apr. 20, 1936.

357,242. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WESTMINSTER STEEL COMPANY, New York, N. Y. Filed Mar. 30, 1938. Serial No. 404,671.

Westminster

For Razor Blades.
Claims use since Jan. 1, 1937.

# LABELS

## REGISTERED MAY 24, 1938

51,198.—*Title:* CILOBANA AD-6. For a Supplemental Food Containing Calcium and Phosphorus with Vitamins A and D. ANABOLIC FOOD PRODUCTS, INC., Chicago, Ill. Published March 29, 1938.

51,199.—*Title:* BOYER'S GRAPEFRUIT JUICE. For Grapefruit Juice. BOYER PRODUCTS COMPANY, Weirsdale, Fla. Published April 8, 1938.

51,200.—*Title:* BURNS SPECIFIC REMEDY. For Medicine for Treating Sleeping Sickness Among Horses. GEORGE H. BURNS, Loveland, Colo. Published December 6, 1937.

51,201.—*Title:* MYSTO MAGIC. For Magic Exhibition Sets. THE A. C. GILBERT COMPANY, New Haven, Conn. Published March 25, 1938.

51,202.—*Title:* IT'S LIFE BREAD. For Bread. JUNGE BAKING COMPANY, Joplin, Mo. Published April 18, 1938.

51,203.—*Title:* KNIGHT KAP. For Preparation to Prevent Headaches and Hangovers. KNIGHT KAP INC., San Antonio, Tex. Published June 15, 1937.

51,204.—*Title:* CREST SCUFF PADS. For Scuff Pads. DANIEL C. LARKIN, doing business as Crest Company, Detroit, Mich. Published December 30, 1937.

51,205.—*Title:* LUNDS DEXTROSE SYRUP AND GRAPE JUICE. For a Compound of Grape Sugar (Dextrose) Syrup and Grape Juice. C. HARRISON LUND, Erie, Pa. Published March 30, 1938.

51,206.—*Title:* MAXIME—BREATH OF FLOWERS. For Perfume. GEORGE L. MAX, doing business as Maison Maxime, Chicago, Ill. Published March 1, 1938.

51,207.—*Title:* ONE-PUTT ANT CONTROL. For a Liquid Preparation for Exterminating Ants, and Applicators Therefor. ONE-PUTT PRODUCTS COMPANY, Port Chester, N. Y. Published February 3, 1938.

51,208.—*Title:* PAULSON'S EVERGREEN CABBAGE. For Cabbages. KARL CLIFFORD PAULSON, Spokane, Wash. Published February 14, 1938.

51,209.—*Title:* PITMAN VULCALIN ROLLER. For Rollers for Rolling Up and Proofing Photo-Engraving and Lithographic Plates. HAROLD M. PITMAN COMPANY, Chicago, Ill. Published February 1, 1938.

51,210.—*Title:* PHILMONT. For Blended Whiskey. S. M. PRESSMAN, doing business as Atlas Spirits Co., Philadelphia, Pa. Published October 12, 1937.

51,211.—*Title:* POST TIME. For Blended Whiskey. S. M. PRESSMAN, doing business as Atlas Spirits Co., Philadelphia, Pa. Published October 12, 1937.

51,212.—*Title:* PUREX. For a Bleach and Water Softener. PUREX CORPORATION, LTD., South Gate, Calif. Published March 21, 1938.

51,213.—*Title:* T'N SHUN. For Canned Asparagus. ROCHELLE ASPARAGUS COMPANY, Rochelle, Ill. Published March 15, 1938.

51,214.—*Title:* BIG APPLE. For a Game. ROSEBUD ART CO., New York, N. Y. Published March 24, 1938.

51,215.—*Title:* SANDRA. For Beauty Masque. SANDRA, INC., doing business as Sandra, Hollywood, Los Angeles, Calif. Published February 1, 1938.

51,216.—*Title:* GARAGE EGG CARTON. For Egg Cartons. LOUIS SCHWARTZBERG, Chicago, Ill. Published April 2, 1938.

51,217.—*Title:* STREAK NORTON. For Ice Cream Cups. SEALRIGHT CO., INC., Fulton, N. Y. Published January 19, 1938.

51,218.—*Title:* RED FALCON. For Ice Cream Cups. SEALRIGHT CO., INC., Fulton, N. Y. Published November 3, 1937.

51,219.—*Title:* MUSCLE UPLIFT. For a Facial Cosmetic. RENEE THORNTON, New York, N. Y. Published July 7, 1937.

51,220.—*Title:* TREASURE ISLAND COFFEE. For Coffee. TREASURE ISLAND COFFEE CORPORATION, San Francisco, Calif. Published March 21, 1938.

51,221.—*Title:* HAIR KLEEN. For a Liquid Shampoo. UNITED DISTRIBUTORS, INC., Louisville, Ky. Published February 10, 1938.

51,222.—*Title:* HAIR KULOR. For a Hair Tonic and Color Restorer. UNITED DISTRIBUTORS, INC., Louisville, Ky. Published February 10, 1938.

51,223.—*Title:* DEZOL. For Motor Oil. THE UNIVERSAL MOTOR OILS CO. INC., Wichita, Kans. Published September 5, 1937.

51,224.—*Title:* HANDIES 200 SHEETS. For Cleansing Tissues. VELDOWN COMPANY, INC., New York, N. Y. Published March 1, 1938.

51,225.—*Title:* HANDIES 200 SHEETS 12x15. For Cleansing Tissues. VELDOWN COMPANY, INC., New York, N. Y. Published March 1, 1938.

51,226.—*Title:* HANDIES 500 SHEETS. For Cleansing Tissues. VELDOWN COMPANY, INC., New York, N. Y. Published March 1, 1938.

51,227.—*Title:* HANDIES 1000 SHEETS. For Cleansing Tissues. VELDOWN COMPANY, INC., New York, N. Y. Published March 1, 1938.

51,228.—*Title:* ODOR CHASER. For a Bowl Deodorant. THE ZOBO COMPANY, Chicago, Ill. Published January 2, 1938.

# PRINTS

## REGISTERED MAY 24, 1938

16,843.—*Title:* YES—IT REALLY DOES SPRING BACK! For Rugs and Carpets. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published April 11, 1938.

16,844.—*Title:* FIVE STAR FOUNTAIN SERVICE—BORDEN'S ICE CREAM. For Ice Cream. THE BORDEN COMPANY, New York, N. Y. Published January 8, 1938.

16,845.—*Title:* AMERICA'S FINEST POTATOES. For Potatoes. WALTER W. CAMPBELL, Monte Vista, Colo. Published March 1, 1938.

16,846.—*Title:* IT'S NOT REALLY STRAWBERRY SHORTCAKE UNLESS IT'S THE BISCUIT KIND. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published May 1, 1938.

16,847.—*Title:* HERSHEY'S FIRST IN FAVOR AND FLAVOR. For Chocolate Bars. HERSHEY CHOCOLATE CORPORATION, Hershey, Pa. Published February 14, 1938.

16,848.—*Title:* ONE-PUTT ANT CONTROL. For a Liquid Preparation for Exterminating Ants and Applicators Therefor. ONE-PUTT PRODUCTS COMPANY, Scarsdale, N. Y. Published April 23, 1938.

16,849.—*Title:* RUTH BRYAN OWEN'S PEN HAS WHAT IT TAKES. For Fountain Pens, Mechanical Pencils, and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published April 23, 1938.

16,850.—*Title:* RUSH ORDER. For Cake. TASTY BAKING COMPANY, Philadelphia, Pa. Published April 15, 1938.

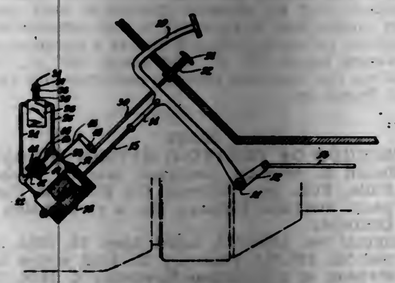
16,851.—*Title:* SPEED NUT SYSTEM. For Locking Plates for Screws and Bolts. ALBERT H. TINNERMAN, doing business as Speed Nut Division, Tinnerman Stove & Range Company, Cleveland, Ohio. Published March 15, 1938.

16,852.—*Title:* PAN-DO-CHIN. For a Mechanical Toy. CARL & STELLA VONS, Chicago, Ill. Published March 31, 1938.

# REISSUES

## MAY 24, 1938

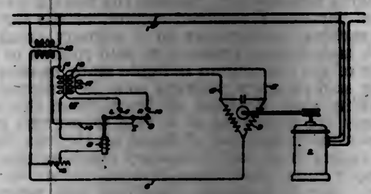
**20,723**
**BRAKE MECHANISM**
**Berton A. Barrett, Manila, P. I., and George E. Perreault, Bronxville, N. Y., assignors to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware**
**Original No. 2,032,491, dated January 21, 1936, Serial No. 663,726, March 25, 1933. Application for reissue December 13, 1937, Serial No. 180,660**
**18 Claims. (Cl. 192—3)**



1. A vehicle brake system comprising means under the control of the operator for applying and releasing the brakes, means automatically rendered effective by bringing the vehicle to a stop for holding the brakes applied, and means under the control of the operator for disabling said holding means at will.

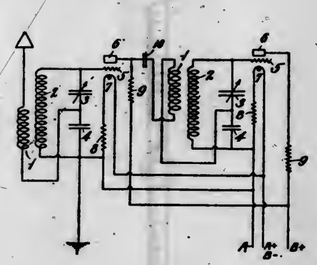
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**20,724**
**ELECTRICAL REGULATION**
**Franklin J. Champlin, Dalton, Mass., assignor to General Electric Company, a corporation of New York**
**Original No. 2,022,537, dated November 26, 1935, Serial No. 21,312, May 14, 1925. Application for reissue November 26, 1937, Serial No. 176,701**
**11 Claims. (Cl. 171—119)**



1. In combination, a contact making electro-responsive control device for a regulating system, and means responsive to the closing of the contacts of said device for varying its energization in a manner to produce an equivalent holding coil effect.

**20,725**
**MEANS AND PROCESS FOR THE AMPLIFICATION OF RADIANT ENERGY**
**Joseph J. Daley, Boston, Mass., assignor, by mesne assignments, to Research Products Corporation, Boston, Mass., a corporation of Massachusetts**
**Original No. 1,764,934, dated June 17, 1930, Serial No. 447,715, a division of original application dated October 24, 1927, Serial No. 228,249. Application for reissue June 13, 1932, Serial No. 617,064**
**15 Claims. (Cl. 179—171)**



5. A system of amplification of radiant energy comprising in combination an electronic device, having input means, and an output circuit consisting of a transformer, a variable capacity, a capacity connected in series between the primary and secondary of the transformer, said capacity being also in series with the variable capacity, and both capacities being connected in shunt across the secondary of the transformer, and furthermore a capacity connected in series between the plate of the electronic device and the primary, and the electrical values, both self and mutual, of the said inductances and of the said capacities being relatively such that the system is non-regenerative.

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**20,726**
**SUBDRAINAGE PIPE**
**Daniel B. Dimick, Newton Center, Mass., assignor to Dimick-Mosher Products Company, Boston, Mass., a corporation of Massachusetts**
**Original No. 2,089,115, dated August 3, 1937, Serial No. 130,206, March 16, 1937. Application for reissue March 7, 1938, Serial No. 194,512**
**10 Claims. (Cl. 61—11)**



1. A drainage pipe comprising a plurality of pipe sections disposed in endwise abutting relation, each pipe section having a semi-cylindrical body portion with a transversely concave closure

wall extending between the upper edge portions of the body portion, said closure wall being inclined from end to end of the pipe section with the lower end of one section adapted to terminate in spaced relation below the upper end of an adjacent section whereby to provide an inlet opening or passage of drain water accumulating on the upper walls of the sections.

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20,737

## OFF-CENTER SWITCH HOOK

Floyd Virgil Kehl, Indianapolis, Ind.

Original No. 2,084,617, dated June 22, 1937, Serial No. 83,745, July 3, 1936. Application for reissue January 17, 1938, Serial No. 185,370
3 Claims. (Cl. 81—3)



1. A hook stick for opening and closing electric switches and fuse cut-outs having operating eyes comprising, in combination, a pole of insulating material, and hook means secured at and projecting generally axially from one end of said pole, said hook means being generally helically shaped to substantially completely encircle the operating eye of a switch or cut-out by turning of said handle substantially about its longitudinal axis whereby a push or a pull may be exerted on the switch or cut-out for closing or opening the same without likelihood of said hook means slipping out of said eye, the axis of said hook means being substantially parallel to the longitudinal axis of said pole.

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20,738

## METHOD OF PRODUCING ISOPROPYL ALCOHOL

Floyd J. Metzger, New York, N. Y., assignor to Air Reduction Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Original No. 2,050,444, dated August 11, 1936, Serial No. 705,235, January 4, 1934. Application for reissue March 17, 1938, Serial No. 196,573
22 Claims. (Cl. 260—156)

1. The method of producing isopropyl alcohol in a continuous manner, which comprises forming a mixture of propylene with water vapor in regulated proportions, passing such mixture into intimate contact with a dilute non-volatile inorganic acid catalyst maintained at an effective and substantially uniform catalytic strength and a temperature in excess of about 170° C., and drawing off the resulting gases and vapors containing the vapors of the isopropyl alcohol and the excess propylene and steam and cooling the same to condense aqueous alcohol therefrom.

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20,739

## MANUFACTURE OF ETHYL ALCOHOL

Floyd J. Metzger, New York, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Original No. 2,050,445, dated August 11, 1936, Serial No. 726,071, May 17, 1934. Application for reissue March 17, 1938, Serial No. 196,574. In the Netherlands June 20, 1932
11 Claims. (Cl. 260—156)

1. The method of producing ethyl alcohol in a continuous manner which comprises passing a mixture of ethylene and water vapor in regulated proportions under a high pressure in excess of about 100 pounds per square inch into intimate contact with an aqueous phosphoric acid catalyst maintained at an effective and substantially uniform catalytic strength and at a temperature between about 170° C. and about 300° C., and cooling the resulting gases to condense the alcohol therefrom.

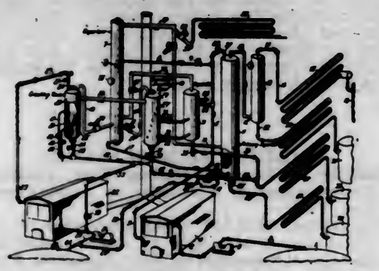
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20,740

## METHOD OF TREATING HYDROCARBONS

Edward E. Stewart, deceased, late of Wichita Falls, Tex., by Universal Oil Products Company, assignee, Chicago, Ill., a corporation of Delaware

Original No. 1,905,071, dated April 25, 1933, Serial No. 338,951, February 11, 1929, which is a division of application November 6, 1926, Serial No. 146,671. Application for reissue April 25, 1935, Serial No. 18,266
6 Claims. (Cl. 196—58)



1. The method of treating hydrocarbon oil including heating a stream of oil under pressure to cracking temperature, passing the heated stream of oil through a confined column of the hot oil at cracking temperature in a primary cracking zone, maintaining pressure on said column of hot oil to retain the column in liquid state, passing oil from said primary cracking zone to a secondary cracking zone, drawing off liquid from the secondary cracking zone at a rate to prevent substantial accumulation of liquid oil therein, passing vapors from said secondary cracking zone to a vapor zone, controlling flow of vapors to the vapor zone to maintain relatively high pressure in the secondary cracking zone, delivering vapors from the vapor zone to a blending zone, condensing heavier components of said vapors in the blending zone, delivering condensate from the blending zone to a primary separating zone, withdrawing vapors from the primary separator zone, drawing liquid oil from said primary separating zone for supply of cracking stock, and delivering



preheated initial charging stock to the blending zone for commingling of vapors and condensate of said initial stock with vapors and condensate of the cracked oil.

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20,741

## SAFETY RAZOR

Emmett Wilson, Los Angeles, Calif.

Original No. 2,021,244, dated November 19, 1935, Serial No. 660,334, March 11, 1933. Application for reissue November 9, 1937, Serial No. 173,725
16 Claims. (Cl. 30—44)

11. In a safety razor, a head, a cutting element reciprocally mounted in said head, a hollow handle member extending from said head, a shaft having a fly wheel thereon and the whole rotatably mounted within said hollow handle, means coupling said cutting element to said shaft for reciprocating said cutting element by rotation of said shaft, and means in connection with said

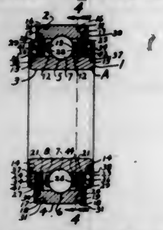


shaft to facilitate the manual rotation of said shaft.

# PATENTS

GRANTED MAY 24, 1938

**2,118,027**
**SEAL FOR BEARING MECHANISMS**
**Thomas Barish, Jamestown, N. Y., assignor to Marlin-Rockwell Corporation, Jamestown, N. Y., a corporation**
**Application May 1, 1935, Serial No. 19,258**
**2 Claims. (Cl. 286—5)**



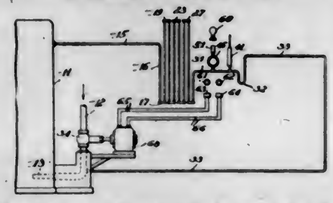
1. In a sealing mechanism for a pair of concentric members spaced by bearing members to permit relative rotation, the inner concentric member being provided with a shouldered surface at its outer end, the outer concentric member having a shorter length than the inner concentric member together with a shouldered recess at its end, the combination of a flinger member having a hub portion mounted on said inner concentric member together with an annular flange engaging said shouldered surface of said inner concentric member, said flinger member having its flinger portion curved toward said bearing members, a flexible gasket mounted in said shouldered recess of said outer concentric member and engaging said flinger portion, a cap member mounted on said outer concentric member and provided with a flange portion engaging an end surface of said outer concentric member together with said flexible gasket, said cap member having portions of itself displaced to engage and anchor said flexible gasket, said cap member being further provided with an annular flange portion extending substantially flush with the end surface of and surrounding said shouldered surface at the outer end of said inner concentric member, and a take up washer interposed between said flexible gasket and said annular flange portion of said cap member, said take up washer being provided with a hub portion engaging said flexible gasket together with resilient finger portions displaced from said hub portion and engaging said annular flange portion of said cap member.

**2,118,028**
**UNIVERSAL COUPLING**
**Florence C. Biggert, Jr., Crafton, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania**
**Application May 20, 1935, Serial No. 22,320**
**11 Claims. (Cl. 64—6)**



1. A universal coupling comprising a female member provided with a transversely extending cylindrical bore communicating with an opening in the free end of said member, a slipper mounted for rotation in said bore and held therein by threaded engagement therewith, and a male member provided with a tongue which is inserted in said opening and pivotally engaged in said slipper.

**2,118,029**
**PRESSURE CONTROLLED APPARATUS**
**James T. Boyd, Bogalusa, La.; Nellie Lee Boyd, owner by Decrees of Court and by assignment**
**Application August 10, 1936, Serial No. 95,296**
**12 Claims. (Cl. 236—26)**



1. Apparatus for controlling fuel supply to a boiler in response to pressure variations within said boiler, said apparatus comprising a body of liquid having a position variable in response to pressure variations within said boiler, a source of light on one side of said body of liquid, light sensitive cell means on the opposite side of said body of liquid from said source of light so that the intensity of light reaching said cell means is a function of the position of said liquid, and electric circuit means connected to said cell means and responsive to variations in intensity of light reaching said cell means, for controlling the supply of fuel to said boiler.

5. Control means comprising two substantially transparent flat members spaced from and substantially parallel to each other, a source of light on one side of said two transparent members in position so that light therefrom may pass through both of said transparent members, light sensitive cell means on the opposite side of said transparent members from said light source and arranged in position to receive light passing from said light source through said transparent members, electric circuit means operatively connected to said cell means, and a body of substantially opaque liquid between two said transparent members to act as a movable shutter to control the amount of light reaching said cell means from said light source.

**2,118,030**
**CAR LOADING DEVICE**
**Oliver V. Cardinal, Detroit, Mich., assignor to The Worth Company, a corporation of Michigan**
**Application July 18, 1934, Serial No. 735,807**
**3 Claims. (Cl. 248—357)**

1. As an article of manufacture, a clevis and pin assembly comprising a clevis body having a bifurcated portion providing an outwardly opening slot between the branches thereof, said branches being provided with aligned openings extending transversely of the clevis body and spaced from the bottom of said slot, a clevis pin disposed in said openings and adapted to traverse



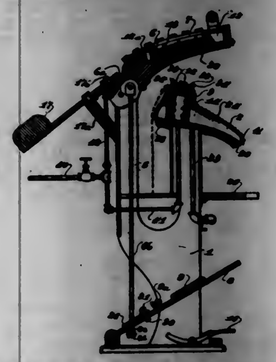


said slot, resilient means for biasingly maintaining said pin in such position that it traverses said



slot, and dog means projecting outwardly from the lower end of said clevis body.

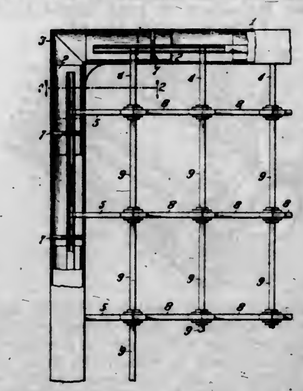
**2,118,031**
**APPARATUS FOR PRESSING THE COLLARS AND LAPELS OF COATS**
**Charles De Marco, Rochester, N. Y.**
**Application August 13, 1936, Serial No. 95,812**
**5 Claims. (Cl. 223—57)**



1. In an apparatus for pressing the collar and lapels of a coat, the combination of a stationary male buck on which the coat is adapted to be draped and buttoned, a swinging female buck adapted to swing down toward the male buck and clamp the collar and lapels of the coat between them, means for heating both of said bucks from within by steam, at least one of said bucks being adapted to supply steam directly to the collar and lapels for the purpose of heating and sponging them, means for releasing and raising the female buck, said means operating at the same time to apply cold air to the collar and lapels for the purpose of cooling the cloth.

**2,118,032**
**KNOCKDOWN CLOSURE STRUCTURE**
**Milo S. Gibson, Chicago, Ill., assignor to Rudolph Wm. Lotz and himself, both of Chicago, Ill.**
**Application January 11, 1937, Serial No. 119,973**
**11 Claims. (Cl. 189—79)**

1. A knockdown closure structure of the type specified comprising a marginal frame, and a panel structure bordered by and secured thereto, said panel structure comprising rods each equipped with arcuate formations at both ends, single piece coupling members each adapted to receive and engage the said arcuate formations at one end each of a plurality of said rods and each of said rods being engaged at said ends with two coupling members, each of said coupling members being equipped with a plurality of arcuate sockets to snugly receive the said arcuate formations of said rods, all of the latter when engaged with coupling members at both ends of each thereof being disposed in a common plane, said sockets and arcuate formations engaged



therein cooperating to prevent disengagement of any rod from a coupling member except by arcuate movement relatively to the latter, said coupling members cooperating with each other to prevent said arcuate movements of said rods, and means securing the outer ends of the marginal rods of the structure to said marginal frame.

**2,118,033**
**ARYL MERCURY SALTS OF ALIPHATIC POLYCARBOXYLIC ACIDS**
**Carl N. Andersen, Wellesley Hills, Mass., assignor to Lever Brothers Company, a corporation of Maine**
**No Drawing. Application September 12, 1936, Serial No. 100,467**
**11 Claims. (Cl. 260—13)**

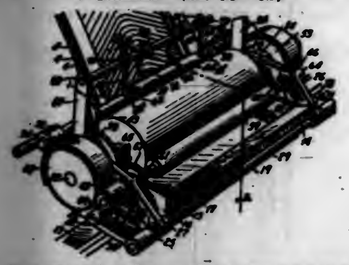
11. A phenylmercury salt of succinic acid.

**2,118,034**
**WIRE TIGHTENER AND TWISTER**
**Roy R. Beers, Phoenix, Ariz., assignor of one-half to Walter J. Thalheimer, Phoenix, Ariz.**
**Application June 14, 1937, Serial No. 148,208**
**3 Claims. (Cl. 140—120)**



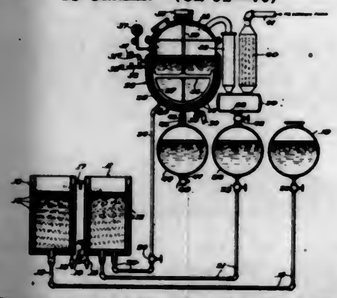
1. A wire tightener and twister comprising a tubular body provided internally at the rear end with screw threads, a nose piece engaged in the front end of the body, guide lugs projecting laterally from the front end of the body, guide rods slidably mounted on the body to move toward and away from the guide lugs, a member connecting the rear ends of the guide rods, means for securing the ends of binding wire to said guide rods, a jack screw in the body engaging said internal threads of the body, a stem for the jack screw swivelly mounted in said member, and means carried by the body for locking the jack screw against rotation with respect to the body.

2,118,035
**GUMMING APPARATUS FOR ENVELOPE MAKING MACHINES**
Eugene B. Berkowitz, Kansas City, Mo., assignor to Baltimore Paper Company, Kansas City, Mo., a corporation of Missouri
Application December 26, 1935, Serial No. 56,226
7 Claims. (Cl. 93—62)



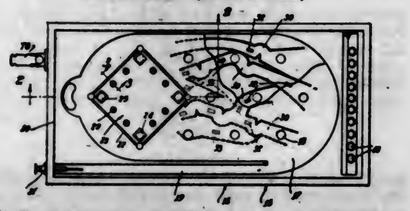
2. An apparatus for applying gum to the sealing flaps of envelopes while being conveyed in overlapping relation with only the portions of the sealing flaps exposed to which the gum is to be applied, including an applicator roller, means supporting the applicator roller in rolling contact with exposed portions of the flaps, a gum pick-up roller, means supporting a body of gum in contact with the gum pick-up roller, means supporting the pick-up roller in spaced relation with the applicator roller, means for driving said rollers, a transfer roller floatingly supported in free rolling contact with said pick-up and applicator rollers to transfer gum from the pick-up roller to the applicator roller, and meahs guidingly retaining the transfer roller to apply the gum to a selective area of the applicator roller.

2,118,036
**PROCESS OF REMOVING SURPLUS RESINS FROM ARTICLES AFTER IMPREGNATION**
Philip C. P. Booty and Raymond G. Booty, Chicago, Ill.
Application April 11, 1935, Serial No. 15,901
13 Claims. (Cl. 91—70)



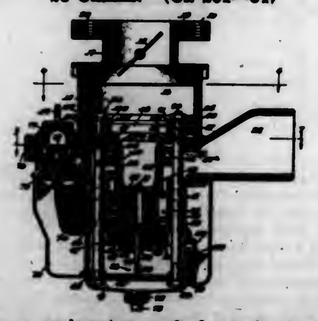
1. In a process of the class described, the step of removing surplus synthetic resinous material of the phenol-formaldehyde A type from the surfaces of articles of wood or the like which have been impregnated with the material and before the material has become insoluble which consists in treating the articles with a solvent at a temperature a few degrees below its boiling point adapted to have a dissolving and removing action on the surplus resinous material and containing not more than about 30% by weight of said material.

2,118,037
**GAME APPARATUS**
Philip Fischer, Chicago, Ill.
Application June 24, 1935, Serial No. 28,032
15 Claims. (Cl. 273—88)



1. In a game apparatus, an arrangement of lights for representing the progress of the game, a first means for illuminating said lights in a predetermined order, a second means actuated by an instrumentality used in playing the game and operable to condition said first means to illuminate a particular group of said lights, and a third means also actuated by said instrumentality but subsequently to the actuation of said second means, for operating said first means to effect illumination of said particular group of lights for the purpose aforesaid.

2,118,038
**CARBURETOR**
Thorwald Brodersen, Park Ridge, and William C. Dunn, Chicago, Ill.
Application April 4, 1934, Serial No. 718,894
23 Claims. (Cl. 261—34)



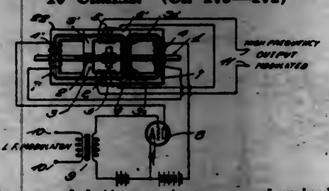
1. In a carburetor, a fuel nozzle, means for supplying fuel to the nozzle, a metering valve for controlling the supply of fuel to the nozzle, an air supply passage for directing air across the nozzle to atomize the fuel therefrom, a fuel mixing chamber, a piston operating in said chamber above the nozzle and controlled in its operation by engine suction, and a connection between said piston and said metering valve whereby the operation of the valve will be controlled by the movement of said piston, the connection being disposed out of the path of movement of the fuel from the nozzle to the mixing chamber, all of the parts being entirely housed within the carburetor.

2,118,039
**MANUFACTURE OF CELLULOSE**
Henry Dreyfus, London, England
No Drawing. Application April 16, 1935, Serial No. 16,623. In Great Britain May 16, 1934
1 Claim. (Cl. 92—13)

Process for the manufacture of cellulose, which comprises subjecting chemical wood pulps containing residual lignin, pentosan or other encrusting substances to treatment first with a caustic alkali solution of concentration between 1½ and 5% at a temperature of at least 100° C., and then with a caustic alkali solution of concentration between 15 and 20% in the cold, both of which solutions have been prepared by heating a solution of a caustic alkali of concentration of the order of 10% with a lignocellulosic material and bringing the solution so obtained to the desired alkali concentration.

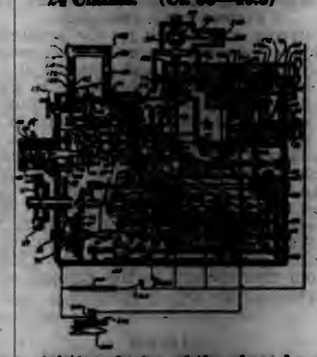


2,118,040
**MODULATION SYSTEM**
James D. Durkee, Bartlesville, Okla., and Edward H. Yonkers, Chicago, Ill., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application July 24, 1935, Serial No. 32,951
10 Claims. (Cl. 179—171)



1. In a modulating system, a mechanical modulator-oscillator device comprising means for producing a magnetic field varying in intensity in accordance with the modulating signal energy, inductor coils disposed in said magnetic field, and means for reversing said magnetic field with respect to said inductor coils at high frequency whereby voltage is generated in said inductor coils in accordance both with the intensity of the magnetic field as varied by the modulating signal energy and with the frequency of the reversal of the magnetic field with respect to said coils.

2,118,041
**BOMB SIGHTING DEVICE**
Georges L. Estoppey, Dayton, Ohio
Application September 5, 1930, Serial No. 479,950
Renewed May 21, 1936
24 Claims. (Cl. 33—46.5)

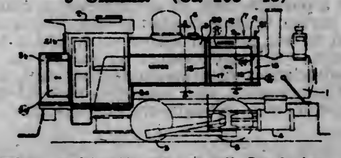


1. In a sighting device of the class described, a movable sighting member adapted to be trained on an objective to follow the relative movement between an objective and the sighting device, means for laterally angularly adjusting said member to compensate for wind deflection and trail correction, an adjustable timing lever, means for adjusting a portion of said timing lever in accordance with vertical elevation, means for adjusting another portion of said timing lever in accordance with the speed of movement of said sighting member, means for controlling the speed of movement of said sighting member, and means controlled by said sighting member and said timing lever to determine the moment of bomb release.

7. In a sighting device of the class described, a movable sighting member adapted to follow the relative movement between an objective and the sighting device, means adjustably supporting one end of said sighting member for horizontal movement, an inclined timing bar fulcrumed at its upper end, a horizontally moving timing element positioned by angular movement of said timing bar and cooperating with said sighting member to determine the proper time of bomb release, and means adjustably supporting the fulcrum of said timing bar for adjustment vertically.

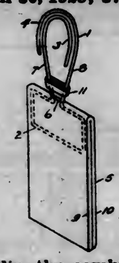
24. In a sighting device of the class described, a movable sighting member adapted to follow the apparent movements of an objective, an adjustable timing member, means for adjusting said timing member to determine the proper time for bomb release, a housing enclosing said timing member, said movable sighting member including an externally arranged sighting tube supported on said housing for movement about an axis transverse of the line of flight and for movement about a second axis substantially parallel to the line of flight.

2,118,042
**LOCOMOTIVE**
Harry Glaenser, Philadelphia, Pa.
Application April 24, 1935, Serial No. 18,001
9 Claims. (Cl. 105—43)



1. The combination in an oil-fired steam locomotive comprising a boiler, a water tank and a fuel tank adjacent thereto and both disposed in saddleback relation to the boiler, and means forming a liquid compartment disposed in saddleback relation to the fuel tank.

2,118,043
**INDEX CLIP**
Lou H. Goza, Langley Field, Va.
Application July 14, 1937, Serial No. 153,627
5 Claims. (Cl. 40—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

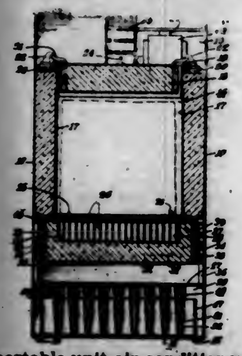


1. In an index clip, the combination of an engaging member and a tag provided with a central

opening, the engaging member comprising a single piece of resilient material, bent to form a rectangular loop with projecting ends threaded through the central opening in said tag, the tag folded on a line through its central opening and its sides adhesively united to enclose said supporting loop, and the projecting ends of the latter bent to form partially overlapping engaging loops adapted to straddle the edge of sheet material to yieldably engage the same.

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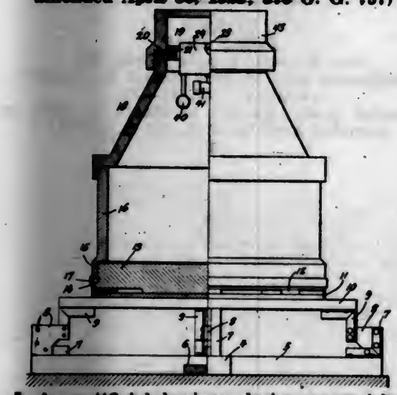
**2,118,044**
**UNIT AIR CONDITIONER**
Austin Gudmundsen, Wauwatosa, Wis.
Application July 27, 1933, Serial No. 682,422
5 Claims. (Cl. 62—91.5)



3. In a portable unit air conditioner, a cabinet, a solid carbon dioxide container within said cabinet and having heat-insulated walls and a heat-conducting wall, said cabinet having an air passage contacting said heat-conducting wall, a fan in said air passage, and a removable heat-insulating cover for said heat-conducting wall.

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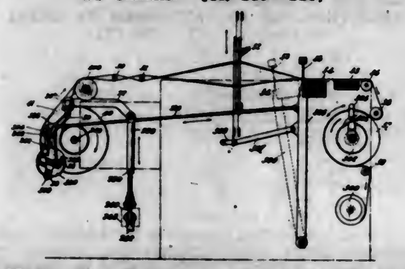
**2,118,045**
**ARTIFICIAL HORIZON**
Chester M. Holton, United States Navy
Application October 2, 1935, Serial No. 43,129
11 Claims. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. An artificial horizon device, comprising a plane mirror, a universally tiltable damped pendulous assembly whereon said mirror is mounted, and a vibration absorbing base structure on which all the aforesaid parts are carried, said base including a footing, rubber cantilever blocks secured at one end to said footing, a rigid annulus supported by the said blocks, a body of sponge rubber on said annulus, felt on said sponge rubber, a rigid member disposed on said felt, a pedestal supported on said rigid member and a strip of felt disposed between said pedestal and said rigid member.

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**2,118,046**
**UNIFORM-TENSION LOOM FEEDER**
Emil G. Jegge, Montclair, and George W. Kretzschmar, Garfield, N. J.
Application June 17, 1932, Serial No. 617,900
24 Claims. (Cl. 139—110)



22. In a let-off mechanism for a loom the subcombination comprising a warp beam, means for mounting the warp beam for rotation in fixed position, a whip roll, and means for mounting the said whip roll for limited oscillation in pressure engagement with the threads passing from the warp beam over the whip roll to the loom so that the axis of the whip roll will move in substantially the plane of the bisector of the angle between the threads passing to and from the whip roll.

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**2,118,047**
**WHITE CLOUDED VITREOUS ENAMEL**
Ignaz Kreidl, Vienna, Austria
No Drawing. Application August 21, 1936, Serial No. 97,288. In Austria February 25, 1936
9 Claims. (Cl. 106—36.2)

1. A vitreous enamel frit for the production of white clouded vitreous enamels for ironware, resulting from the melting and grinding of a mixture of ingredients containing at least silicates, borates, fluorine compounds and aluminium compounds, said mixture containing cryolite in a proportion to provide elemental fluorine in a quantity of substantially 8% to 12% of the mixture, boron compounds in a proportion to provide boric acid in an amount not exceeding 10% of the mixture, and an aluminium oxide content derived from sources other than cryolite which is not greater than 7%, the amount of aluminium oxide from sources other than cryolite varying substantially from zero upward as the amount of boric acid decreases from 10% downward.

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**2,118,048**
**LAMINATED STRUCTURE**
Peter T. Landsem, Washington, D. C., assignor to Timber Engineering Company, Washington, D. C., a corporation of Delaware
Application March 20, 1937, Serial No. 132,739
4 Claims. (Cl. 20—91)

1. A load carrying structural member comprising: a plurality of laminae of wood at least one



thereof extending throughout the height and length of the member; other of the laminae of less width and bonded to the first named and to each other; the width of the narrower laminae varying in progressively stepped relation as the



cores are approached and in accordance with the stresses to be met at their portion of the member; said laminae composed of laminations of wood bonded together with the grain of adjacent laminations out of parallel.

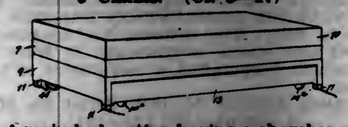
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**2,118,049**
**METHOD OF AMELIORATING ALCOHOLIC LIQUIDS ADAPTED FOR HUMAN CONSUMPTION**
Clarence G. Lehr, Baltimore, Md.
No Drawing. Application November 18, 1935, Serial No. 50,471
7 Claims. (Cl. 99—48)

1. The process of ameliorating the physiological effect of distilled alcoholic beverages by removing tannins and similar astringent substances, comprising treating said substances with a precipitated heavy metal hydroxide and thereby causing separation of said astringent substances from said beverages.

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**2,118,050**
**COUCH BED**
Joseph Martin, Laurelton, N. Y., assignor to United States Cabinet Bed Co., Brooklyn, N. Y., a corporation of New York
Application February 15, 1933, Serial No. 656,790
9 Claims. (Cl. 5—17)



1. A main bed section having a chamber, a carriage, links for operatively connecting the carriage inside of said main bed section to move into and out of said chamber, an auxiliary bed section, rollers on which said auxiliary bed section and carriage are mounted to facilitate moving the same along the floor relative to said main bed section as an anchor, said carriage having a longitudinally extending bar having recesses formed along its upper edge, studs on said auxiliary bed section adapted to rest in said recesses, and heads on said studs to engage the side of said bar to form an abutment for carrying the auxiliary bed section with said carriage during movement thereof.

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**2,118,051**
**SHOE DAUBER**
Hugh E. MacMichael, Piedmont, Calif.
Application February 6, 1936, Serial No. 62,556
9 Claims. (Cl. 15—125)

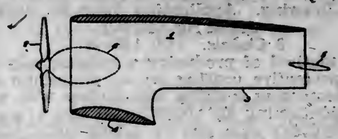
1. In combination with a paste-dispensing container having an outlet passage; a pliant projecting dauber body attached at its base end to said container, having a longitudinal tubular perforation therethrough connecting with said outlet passage, said dauber body projecting unconfinedly substantially above said base end to provide a compressible pliant roughened exposed peripheral applicator wall part; said dauber body being provided with substantially the resilient



pliant compressible characteristics of live sponge rubber, having on its outer end a roughened applicator face made generally non-penetrable to said paste as dispensed; and a generally non-penetrable lining generally forming a wall for said tubular perforation and thereby substantially preventing access of said paste into said body.

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**2,118,052**
**PROPELLER ASSEMBLY FOR AIRCRAFT**
Ralph K. Odor, Edmond, Okla.
Application July 31, 1924, Serial No. 727,844
13 Claims. (Cl. 244—15)



1. An aero-dynamic device comprising in combination a propeller, and a tubular structure spaced rearwardly from and substantially concentric with the propeller, said structure having a tubular leading portion constructed and arranged with respect to the propeller to receive the entire propeller slip-stream, and having a semi-tubular trailing portion, the interior surface of said structure at the side which includes said trailing portion having an axial cross sectional contour approximately paralleling the tubular axis, and having at the opposite side of the tube a contour conforming substantially to the upper surface of a typical airfoil section, said latter contour being disposed angularly with respect to the tubular axis with the leading edge of said contour closer to said axis than the trailing edge thereof, thereby slightly increasing the area of the rear end of the tubular leading portion over that of the forward end, and said contours merging smoothly one into the other at the sides of said tubular portion.

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**2,118,053**
**COATING ON ALUMINUM**
James W. Newsome, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 22, 1937, Serial No. 149,079
7 Claims. (Cl. 148—6)

1. A method of producing a substantially colorless protective coating on an aluminum surface, comprising treating said surface with a solution containing an alkali metal oxalate and an alkali metal aluminate.

2,118,054

## OPTICAL ISOMERS OF ACYL-β-ALKYL CHOLINE SALTS AND INTERMEDIATES AND PROCESSES FOR THEIR PRODUCTION

Randolph T. Major, Plainfield, and Howard T. Bennett, Rahway, N. J., assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application July 6, 1935, Serial No. 30,150
7 Claims. (Cl. 260—25)

1. The process of producing optically active isomers of acyl-β-methyl choline salts, which comprises the steps of resolving dimethylaminoisopropanol into its dextro and laevo forms by treating the racemic form of the amine, with an acid of the group consisting of bromo-camphorsulphonic acid and d-tartaric acid, subsequently treating the resolved forms thus obtained with methyl iodide to form their methiodides, and thereafter converting the methiodides into the desired salts by reacting upon them with the silver salt of a corresponding acid whose silver salt is more soluble than silver iodide, and acylating the salt thus obtained.

2,118,055

## COATINGS ON ALUMINUM

James W. Newsome, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 22, 1937, Serial No. 149,680
8 Claims. (Cl. 148—6)

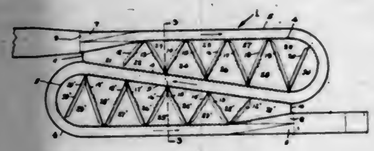
1. A method of producing a substantially colorless protective coating on an aluminum surface, comprising treating said surface with a solution containing an alkali metal salt of an organic hydroxy acid and an alkali metal aluminate.

2,118,056

## MUFFLER

Paul G. Peik, Cleveland, Ohio

Application September 17, 1934, Serial No. 744,380
16 Claims. (Cl. 181—54)



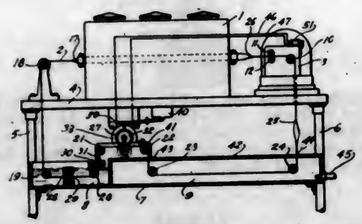
1. An exhaust silencer for internal combustion engines and the like comprising a casing including an outer closure shell and inner partitions, at least some of which partitions are perforated, said partitions so arranged relatively to each other and to said shell as to provide a circuitous passage unobstructed throughout its length for the exhaust gases through said casing, portions of said passage being oppositely extending, said passage throughout the major portion of its extent bordered on one side by said closure shell and on another side by a perforated partition defining a sound attenuating chamber lying between oppositely extending portions of said passage.

2,118,057

## MACHINE FOR CO-OPERATING WITH RECORD RECEIVING TAPES

Barton A. Proctor, Larchmont, N. Y., assignor, by mesne assignments, to News Projection Corporation, New York, N. Y., a corporation of New York

Application March 17, 1925, Serial No. 16,203
Renewed February 16, 1937
7 Claims. (Cl. 88—24)



1. The combination with a stock ticker, of a projecting machine, ink removing means, heating means, an endless tape, and feeding means for feeding said tape successively to cooperate with the ticker, a projecting machine, ink removing means and heating means to receive printed matter, project the same, remove the printed matter, dry the tape by the heating means, and then return to the ticker for another cycle of operation.

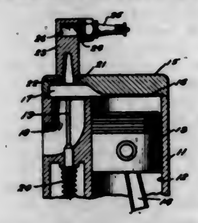
7. The combination with an endless band, of a printing mechanism adapted to print upon said band and issue the band as it is printed, a combined drawing and buffing roller for drawing the band through said projecting machine and simultaneously cleaning the same, an electric motor to actuate said drawing means, and a switch for shutting off the current of said motor when said printing mechanism stops.

2,118,058

## AUXILIARY COMBUSTION CHAMBER FOR INTERNAL COMBUSTION ENGINES

Glenn L. Riley, New Orleans, La., assignor, by direct and mesne assignments, to Riley Development Corporation, a corporation of Louisiana

Application January 24, 1936, Serial No. 60,693
4 Claims. (Cl. 123—191)



1. In an internal combustion engine having a cylinder and a piston operating therein and a head for the cylinder forming a combustion chamber over the piston, a casing connected to the cylinder head and having a cylindrical ignition chamber formed at the end thereof remote from said head, said casing having a conical passageway tangentially communicating with said ignition chamber for conducting vaporized fuel under pressure from the combustion chamber with whirling motion into the ignition chamber, the base of the conical passageway communicating with said combustion chamber, and ignition means coaxial with said ignition chamber for igniting the vaporized fuel.

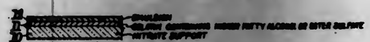


2,118,059

## ANTISTATIC PHOTOGRAPHIC FILM

Alfred D. Slack and Albert A. Young, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application September 20, 1935, Serial No. 41,417
10 Claims. (Cl. 95—9)



1. A photographic element comprising a support carrying an emulsion layer and an antistatic layer containing a higher fatty alcohol sulfate containing no carboxylic acid salt group.

2,118,060

## FINNED TUBE

R. Harry Stone, Bound Brook, and Edwin F. Tilley, Dunellen, N. J., assignors to Titeflex Metal Hose Co., a corporation of New Jersey

Original application July 26, 1930, Serial No. 471,034. Divided and this application October 4, 1933, Serial No. 692,088. Renewed August 24, 1937
8 Claims. (Cl. 257—262)



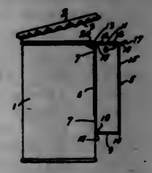
1. The combination with a helically corrugated tube, of a separate strip helically disposed about said tube and secured thereto at its inner edge, said strip comprising flat portions of different cross sectional dimensions at right angles to each other, the greater of said dimensions extending radially of the axis of the tube.

2,118,061

## HANDLED BEER CAN

William M. Sullivan and John H. Shannon, Los Angeles, Calif.

Application September 26, 1936, Serial No. 102,737
6 Claims. (Cl. 220—43)



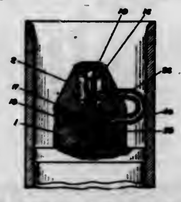
1. A can having a body, and a cover with a crimped flange securing the cover to the body, a handle having a member hingedly connected to the body under the said flange and extending down the side of the body, said handle including a lever hingedly connected to the side of the body substantially in line with and below the hinge point of said member, and a link connecting the said lever and said member, said handle capable of being swung upwardly on the hinge connections into an extended position, thereby enabling the said member to disengage the cover from the body.

2,118,062

## BORE-SAFE FUSE

David L. Woodberry, Perryman, Md.

Application September 21, 1937, Serial No. 164,915
6 Claims. (Cl. 102—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



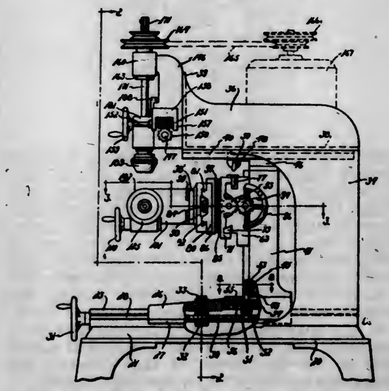
1. A safety impact fuse for shells comprising a fuse body, a primer charge, a firing pin in alignment with said primer charge, a transversely movable member carrying a detonator charge, a safety locking fork holding the transversely movable member in unarmed position and interposed between said firing pin and primer charge, and means to maintain said locking fork in safe position until the shell leaves the gun barrel.

2,118,063

## ROUTERING MACHINE

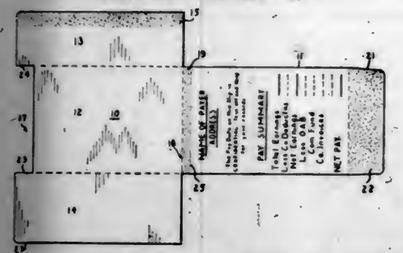
John E. Alward and John H. Moore, Detroit, Mich.

Application August 15, 1935, Serial No. 36,304
9 Claims. (Cl. 144—134)



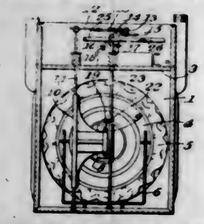
1. In a machine of the class described, a supporting table; a carriage mounted on said table and slidable rearwardly and forwardly thereof; a supporting standard projecting upwardly from said carriage; means for moving said carriage rearwardly and forwardly of said table; a supporting member mounted on said standard and extending transversely of said table; means for moving said supporting member upwardly and downwardly on said standard; a work piece supporting mechanism; means for mounting said work piece supporting mechanism on said supporting member; and means for moving said work piece supporting mechanism on said supporting member transversely of said table.

2,118,064
**COMBINED ENCLOSURE AND DETACHABLE MEMBER**
Claire M. Baechle, Baltimore, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application January 28, 1937, Serial No. 122,746
4 Claims. (Cl. 283—1)



1. A new article of manufacture, an enclosure having an open end, a closed end, a sheet detachably mounted to the said closed end, the said detachably mounted sheet having a free end, the latter adapted to fold over the open end of the said enclosure for closing the said open end.

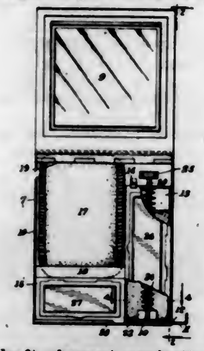
2,118,065
**GAS METER**
Edmond E. Bates, Winchester, Mass.
Application October 27, 1934, Serial No. 750,369
12 Claims. (Cl. 73—262)



1. The combination with a gas meter, of means for directly indicating the accuracy of the same while the meter is in operation, said meter having means for measuring the amount of gas flowing therethrough which means comprises a movable diaphragm, a register, and connections for operating said register from said diaphragm, and said indicating means comprising a movable element actuated by said measuring means and moved substantially proportionately to the movement of the diaphragm when the diaphragm is nearing each end of its stroke, and signal means actuated by the movement of said element and indicating the length of the diaphragm stroke.

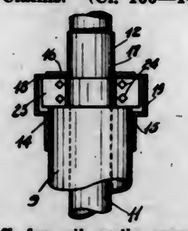
2,118,066
**COMPACT**
Israel Bloom, New York, N. Y.
Application April 10, 1936, Serial No. 73,669
2 Claims. (Cl. 132—82)

1. A powder compact comprising a case having a bottom wall with a discharge opening therein and a side wall with a guide slot directly above said bottom wall, a slide operating in said guide slot to cover and uncover said bottom opening, a powder compartment in the said case above said slide and provided with a discharge opening in line with the discharge opening in the case, an agitating and powder discharge member operable in said powder compartment above the discharge opening therein and provided with an operating member at the outside of said compartment, said agitating and discharge member in-



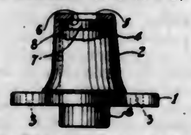
cluding a shaft element projecting through the lower end of the powder compartment into the plane of said cover slide and said cover slide having a depression for receiving said projecting end of the shaft element.

2,118,067
**WATER SHUT-OFF FOR OIL WELLS**
Charles A. Brown, Beaverton, Mich.
Application February 1, 1937, Serial No. 123,393
7 Claims. (Cl. 166—14)



1. A shut-off for oil wells comprising inner and outer casings, a casing clamp clamped on the inner casing with its ends mounted on the outer casing, a cylindrical shell member mounted on the outer casing of the well and forming a closure for the space between the inner and outer casings at the upper end thereof, laterally projecting chambers formed integral with the cylindrical member for accommodating the ends of the casing clamp, and means for rigidly clamping the cylindrical member on said casing.

2,118,068
**MEANS FOR SUPPORTING SPRING FLOORS**
James Francis Buckley, Levenshulme, Manchester, England
Application August 28, 1937, Serial No. 161,481
In Great Britain October 15, 1936
1 Claim. (Cl. 20—6)

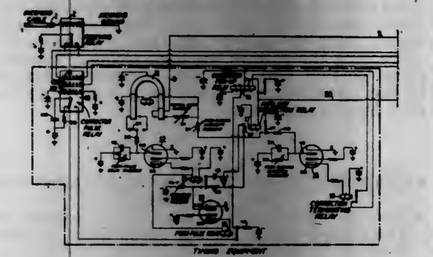


Means of the hereinbefore specified kind for supporting spring floors, wherein the said means



comprises a beam-supporting plate having bosses projecting from its upper surface, each of the said bosses having a cylindrical vertical hole or socket which extends through the said plate and the top of the boss and is of smaller diameter at the upper end and contains a non-resilient spacing disc or block arranged between the said upper end and the top of the rubber block mounted in the said hole or socket.

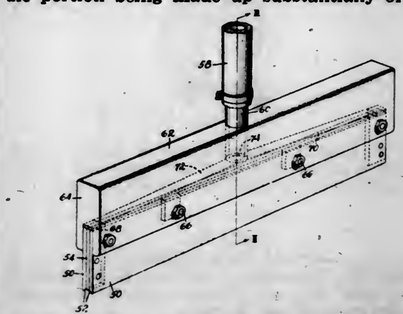
2,118,069
**TELEGRAPH SIGNAL REGENERATING APPARATUS**
Alder F. Connery, Brooklyn, N. Y., assignor to The Commercial Cable Company, New York, N. Y., a corporation of New York
Application July 25, 1936, Serial No. 92,551
5 Claims. (Cl. 178—70)



2. A telegraphic signal regenerator comprising a self-driven vibrator, a magnet for influencing the speed thereof, a first means operated responsive to incoming signals, a second means operated in response to the motion of the vibrator, a space discharge tube coupled to said second means, a partially reactive circuit having an adjustable time constant, connections between said space discharge tube and said partially reactive circuit whereby the current through said tube is controlled by said partially reactive circuit to determine a definite time interval and correcting means for controlling the energization of said magnet in response to inequality in one sense by a predetermined amount of the time interval between the operation of said first and second means and the time interval determined by said space discharge tube.

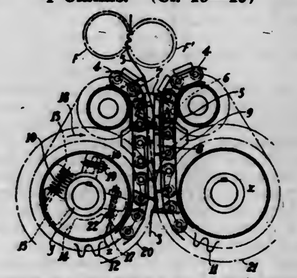
2,118,070
**SLICKER TOOL**
John H. Connor, Newton, Mass., assignor to The Tanning Process Company, Boston, Mass., a corporation of Massachusetts
Application September 5, 1935, Serial No. 39,313
8 Claims. (Cl. 149—13)

1. In a tool for slicking out hides and skins, a blade having a slightly rounded edge portion operative to spread out in extended condition a hide or skin and concomitantly to express watery material therefrom, such watery material tending to pile up on the advance surface of said blade, a handle member to hold said blade, said handle member having its upwardly facing surface parallel to the operative edge of the blade to facilitate the application of equal pressure on the tool by both hands of the operator, said handle member having also an opening therethrough substantially at the longitudinal center of its upwardly facing surface for connection to a pneumatic suction means, the upwardly facing surface of the handle member being otherwise unobstructed so that the hands of the operator may readily grasp the handle member effectively to operate the tool, and pneumatic suction means having a nozzle portion associated with said blade to remove said watery material from the surface of the hide or skin and from said blade, the nozzle portion being made up substantially of two



parallel walls one of which is provided by said blade, and the lower edge of the other wall having some or all portions thereof spaced a relatively small distance from the surface of the hide or skin at all times during slicking-out operations of the tool.

2,118,071
**PROCESS AND MACHINE FOR SCUTCHING FLAX AND THE LIKE**
Charles Decuypere, Rekkem, and Maurice Dujardin, Lauwe, Belgium
Application March 29, 1935, Serial No. 13,702
4 Claims. (Cl. 19—19)



1. A scutching machine comprising in combination two series of scutching blades, means for supporting and moving said series of blades in front of each other within an endless track and over a substantially rectilinear stroke, such means comprising two pairs of endless chains, chain wheels for driving the chains, guides for the chains in their rectilinear stroke, driving means for rotating the chain wheels and at least one resilient coupling device between the chain wheels of one series of scutching blades and their driving means.

2,118,072
**POTENTIOMETER**
Walter Deutschmann, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske Aktiengesellschaft, Berlin, Germany, a corporation of Germany
Application June 18, 1935, Serial No. 27,182
In Germany June 30, 1934
3 Claims. (Cl. 201—55)

1. A potentiometer comprising the combination of a disc, a coating of low conductivity on

one surface of said disc and having the ends thereof separated and a coating on said disc surface having substantially the same unit conduc-



tivity as said first coating but of a lesser area connected across said separated ends and a contact arm engaging said first named coating.

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2,118,073
**SEAL FOR TUBES**
Herbert W. Dittmeyer, Cranston, R. I., assignor to United Wire and Supply Corporation, a corporation of Rhode Island
Application April 23, 1936, Serial No. 75,985
2 Claims. (Cl. 138—96)



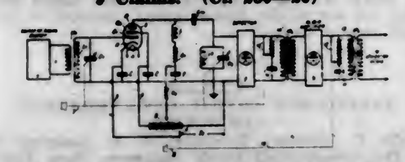
1. Means for sealing the end of a metal tube which is capable of oxidization in the atmosphere and adapted to be secured to another part by heat comprising a film of material to extend across an end of a tube and along the outer surface of the end portion thereof, said material being composed of a cellulosic material capable of tightly hugging the end portion of the tube and having a cleansing quality by being capable of absorbing impurities from the tube into the material and preserving said cleansed surface by preventing contact or oxidization of the covered end portion of the tube.

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2,118,074
**MANUFACTURE OF CELLULOSE**
Henry Dreyfus, London, England
No Drawing. Application June 23, 1936, Serial No. 86,819. In Great Britain July 10, 1935
12 Claims. (Cl. 92—11)

1. Process for the manufacture of cellulose which comprises subjecting unpulped lignocellulosic materials to treatment with a bisulphite solution, containing at most 66 parts of free sulphur dioxide for every 100 parts of combined sulphur dioxide, at a temperature between 90° and 120° C. and under a pressure which exceeds the vapor pressure of the liquor at the temperature employed by at least two atmospheres, followed by a treatment with dilute alkali at a temperature between 90° and 130° C. and under a pressure which exceeds the vapor pressure of the liquor at the temperature employed by at least two atmospheres.

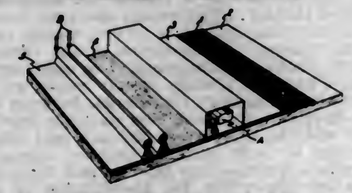
2,118,075
**TONE CONTROL CIRCUIT**
Paul O. Farnham, Boonton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 14, 1931, Serial No. 568,673
9 Claims. (Cl. 250—20)



9. In a radio receiving system a high frequency amplifying portion including means for tuning it to a desired frequency, a low frequency amplifying portion, and separate manually controllable means connected with said high and low frequency amplifying portions for simultaneously decreasing the gain in the high frequency amplifying portion and the high-frequency response of the low-frequency amplifying portion at the said desired frequency.

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2,118,076
**SURFACING STRUCTURE AND METHOD FOR MAKING SAME**
Walter G. Farr, South Orange, N. J., assignor to Congoleum-Nairn Inc., a corporation of New York
Application February 28, 1935, Serial No. 8,583
15 Claims. (Cl. 154—49)



1. As a new article of manufacture a preformed surfacing structure for floors or walls ready-to-lay in bonded relation to a sub-surface comprising a body portion one face of which constitutes a wearing surface; a layer of normally non-sticky cementitious material integral with the opposite face of said body portion and adapted to be activated with water to impart thereto adhesiveness to bond the body portion to the subsurface to which it may be applied; and a protective film, consisting of a composition comprising paraffine wax in major proportion having a melting point between 100° F. and 120° F., coating said cementitious material and adapted to resist the absorption of moisture by the cementitious material under abnormal humidity conditions and being of such thinness as to be easily broken down when it is desired to activate the cementitious material with water.

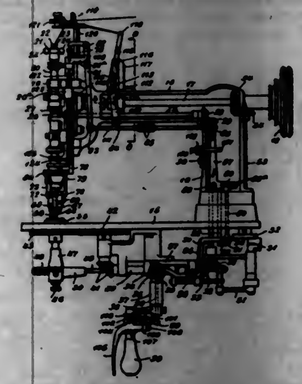
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2,118,077
**EMBROIDERING MACHINE**
John Fink, New York, N. Y.
Application July 26, 1935, Serial No. 33,308
16 Claims. (Cl. 112—98)

1. In a sewing machine including spaced cooperating needles, a looper co-operating with said needles to produce a seam consisting of spaced lines of stitching and transverse connections extending between the same, mechanism



for operating said needles and looper, and seam controlling mechanism for selectively changing the direction of said seam at will, that improvement which comprises adjusting means for varying the spacing of said needles to vary the length of the transverse connections included in a given



seam, and a movable hand lever associated with the seam controlling mechanism for operating said adjusting means during the operation of the machine without interference with the operation of said needles or the manipulation of said seam controlling mechanism.

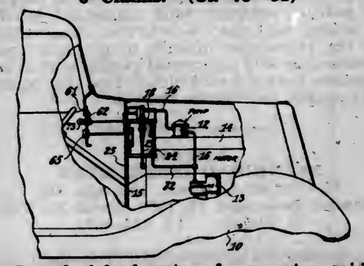
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2,118,078
**DRYING METHOD AND APPARATUS**
Heinrich Filtgel, Duisburg, Germany
Application September 6, 1934, Serial No. 742,917
In Germany September 7, 1933
4 Claims. (Cl. 34—34)



4. The method of drying granular or like particles including the discharge of the particles into a relatively low velocity vertically moving current whereby the heavier particles will gravitatingly fall counter to said current, passing the heavier particles to a second vertically moving current having a velocity such as to carry all of the particles therewith, and then delivering all of said particles in a downward direction to a second low velocity vertically moving current whereby the lighter particles will be carried up by said second low velocity current.

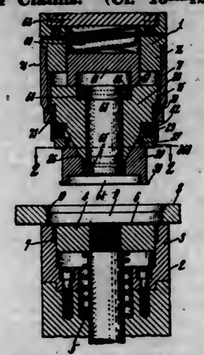
2,118,079
**APPARATUS FOR MILEAGE TESTING**
Franklyn G. Goode, Eatontown, and Guy R. Humphrey, Somerville, N. J.
Application November 2, 1936, Serial No. 108,894
6 Claims. (Cl. 73—51)



1. In a fuel feed system for a motor, said system including a fuel tank and a feed pump, the combination of a measuring chamber, fuel conducting means connected to said chamber and the inlet side of said pump, a valve for controlling the flow of fuel into said chamber, fuel conducting means connected to said chamber and to the outlet side of said pump, a valve for controlling the flow of fuel out of said chamber, a valve for controlling the flow of fuel from said tank to said pump, means for operating said valves, said last means including a float in said chamber, a source of electric energy and solenoid windings.

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2,118,080
**MOLDING MECHANISM**
Carl W. Goodwin, Plainfield, N. J., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Original application June 24, 1933, Serial No. 677,483. Divided and this application December 11, 1935, Serial No. 53,897
4 Claims. (Cl. 18—42)

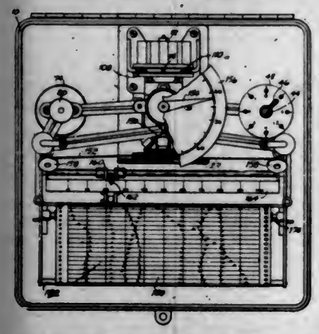


1. In combination, a pair of cooperating dies, one of said dies having a socket and a yielding base for said socket, the other of said dies having a plunger adapted to enter said socket and provided with segmental portions relatively movable to expand and contract and when expanded to form an unbroken circumference, said portions having an outwardly extending rib at their outer ends cooperating with the inner wall of said socket when said plunger is in said socket to hold between them a marginal flange of a disk formed up by the insertion of said plunger into said socket with said disk therebetween and to form an

annular channel above said rib portion wider than the thickness of said flange, means for expanding said segmental portions when said plunger has depressed said base, means on said other die entering said channel and engaging the free edge of said flange for molding said free edge portion between said segmental portions and socket wall into a seamless bead thicker than the remainder of said flange, and means for retracting said segmental portions on release of pressure between said dies to free said portions from beneath said flange bead.

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2,118,081
**RECORDING INSTRUMENT**
George W. Grisdale, Chicago, Ill.
Application December 12, 1934, Serial No. 757,095
11 Claims. (Cl. 234—67)



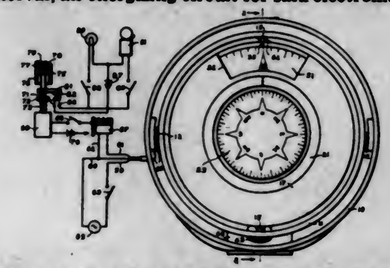
4. A recording instrument having a plurality of input connections, a printing device for forming a non-symmetrical character and which may assume a corresponding plurality of angular positions, a shaft which operates the printing device to cause it to print, means for shifting the position of said printing device along said shaft in accordance with the input of said connections, and means for turning the printing device to different positions and connecting the shifting means to different ones of the input connections in synchronism with the operation of said shaft.

11. A recording instrument comprising an indicator part, power-operated means for periodically holding and supporting said part in any of its various positions, a rotatable element adjacent said indicator part, power-operated feeler means associated with said rotatable element and operated to engage said indicator part when it is gripped by said means, means operated by said feeler means to turn the rotatable element through an angle corresponding to the position of said indicator part, exhibiting mechanism having a rotatable operating member and means for periodically connecting said member to said rotatable element and comprising bellcrank clutch levers adapted to grip said rotatable element, and means for rocking said clutch levers in synchronism with the operation of said feeler means.

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2,118,082
**COMPASS ALARM**
John Hays Hammond, Jr., Gloucester, Mass.
Application February 17, 1936, Serial No. 64,267
1 Claim. (Cl. 33—222)

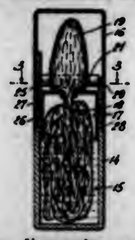
In a navigational system, a housing, a compass card movable with respect thereto to indicate direction, a photoelectric system carried by said housing comprising a light source, a photoelectric cell and means carried by said compass card to focus light from said source onto said cell in a predetermined position of said housing relatively to said card, means to rotate said housing to a predetermined position to correspond with the desired course, a normally open signal circuit, a retarded electromagnetic means for closing said signal circuit when energized for a given time interval, an energizing circuit for said electromag-



netic means, a relay biased to normally close said energizing circuit, and means controlled by said photoelectric cell to hold said relay open when said light is focused thereon by said compass card, whereby said signal circuit is energized only in response to a deviation of said housing relatively to said card in either direction by more than a given angle and for said given time interval.

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2,118,083
**LIQUID COSMETIC APPLICATOR**
Wilfred C. Hand, New York, N. Y.
Application July 22, 1937, Serial No. 154,959
12 Claims. (Cl. 91—67.4)



1. A cosmetic dispensing applicator comprising a liquid absorbent applicator head, means for saturating said head with a cosmetic liquid and releasable means for constricting said head whereby said liquid cosmetic may be exuded on the surface of said head.

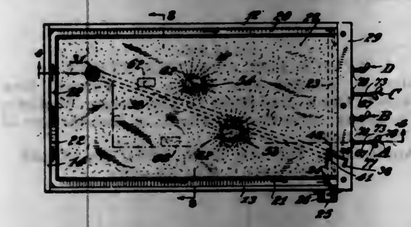
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2,118,084
**GOLF GAME DEVICE**
Alphonse A. Heinzelmann, Port Chester, N. Y.
Application August 11, 1934, Serial No. 739,434
8 Claims. (Cl. 273—87)

1. In a golf game device, in combination, a framework, a fabric forming a golf green carried at its margins by said framework, and a fabric-lifting mechanism carried by said framework and adapted to lift said fabric from below into a hillock upon its upper surface, said mechanism comprising a fabric-lifting element in engagement with the lower side of said fabric, a bellcrank lever having a substantially horizontal arm, a horizontal fulcrum pivot for said lever on said framework, a link pivotally connecting said lever arm with said element, an operating link pivotally



connected to the other arm of said bell-crank lever, and an operating member pivotally con-



nected to said operating link and extending substantially horizontally to the outside of said framework.

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2,118,085
**TYPEWRITING MACHINE**
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 10, 1933, Serial No. 675,254
Renewed January 19, 1937
8 Claims. (Cl. 248—24)

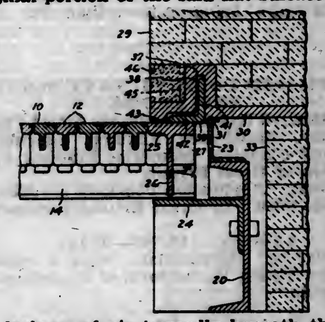


8. For a typewriting machine, an attachable composite double foot having a main solid rubber portion which gives mechanical strength to the double foot and conduces to the absorption of shock and noise, and a felt portion sufficiently massive to substantially prevent the transmission of sound, said rubber portion being surmounted by said felt portion, the latter being interposed between the rubber portion and the machine, said rubber portion forming the base of the foot, said rubber and felt portions formed to interlock for holding the felt portion against lateral displacement relatively to the rubber base portion; said felt portion being capped by a thimble fitting tightly thereto and operating to resist spreading of the felt under the machine-load, the cap being a part of the attachable foot, and a headed screw passed up through the composite foot and attaching the latter to the machine and also serving to locate the foot upon the machine.

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2,118,086
**FURNACE**
Oscar A. Johnson, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application October 21, 1935, Serial No. 45,849
7 Claims. (Cl. 110—40)

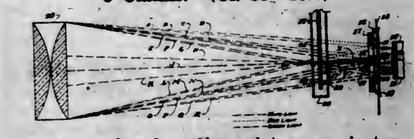
1. A furnace comprising an endless grate having an upper run and a lower run, the upper run having a substantially flat upper surface, a ledge plate projecting inwardly above the marginal portion of the said flat surface, a furnace wall supported on the ledge plate, the ledge plate being shaped to provide a downwardly opening recess in its lower surface, and a sealing member mounted in the recess and resting by gravity on the marginal portion of the said flat surface to pre-



vent leakage of air inwardly beneath the ledge plate.

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2,118,087
**MOTION PICTURE APPARATUS**
Thomas A. Killman and Robert T. Killman, Nashville, Tenn.
Application May 11, 1936, Serial No. 79,040
Renewed April 2, 1938
3 Claims. (Cl. 88—16.4)

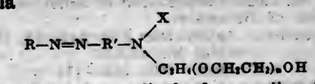


1. In a colored motion picture projector, an aperture plate accommodating two adjacent film images, a condensing system directing a convergent light beam upon said aperture plate, a filter plate interposed in said light beam between the condensing system and the aperture plate, said filter plate carrying two color filter areas, said areas abutting one another at a common horizontal boundary line, which line lies in a horizontal plane passing through the boundary between the two film images and the center of the condensing system, the upper of said filter areas being adapted to filter the light falling upon the upper film frame and the lower of said filter areas being adapted to filter the light falling upon the lower film frame, and a flat, reflective septum extending from the boundary between the filter areas to the boundary between the film frames, both sides of said septum being of a mirror finish, whereby light passing through said filter areas and intercepted by said septum will be reflected back to the proper film frame.

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2,118,088
**MONOAZO DYESTUFFS AND THEIR PRODUCTION**
Arthur Howard Knight and Henry Alfred Piggott, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 21, 1935, Serial No. 7,659. In Great Britain February 23, 1934
13 Claims. (Cl. 260—96)

11. The monoazo dyestuffs having the general formula



wherein R is the radical of a p-nitraniline, X

represents $C_2H_4(OCH_2CH_2)_{n'}OH$, $n'$ being zero or a whole number, and $n$ is a whole number, the sum of $n$ and $n'$ being no more than ten.

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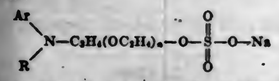
**2,118,089**
**SULPHATED POLYETHENOXY-ALKYL-ARYLAMINES**

Arthur Howard Knight and Henry Alfred Piggott, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

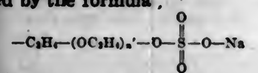
No Drawing. Application February 21, 1935, Serial No. 7,660. In Great Britain February 23, 1934

8 Claims. (Cl. 260—99.12)

1. A dyestuff intermediate being a sulphato compound having in the form of its sodium salt the formula



in which Ar stands for an aryl residue from the group consisting of nuclei of the benzene and naphthalene series and R stands for a member of the group consisting of alkyl and the radical represented by the formula



in which $n$ and $n'$ are integers having values of at least two and not greater than three.

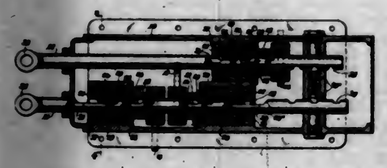
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**2,118,090**
**GEAR SHIFTING AND LOCKING DEVICE**

Alodar Kurti and Asor D. Robbins, Highland Park, N. J., assignors to International Motor Company, New York, N. Y., a corporation of Delaware

Application April 4, 1936, Serial No. 72,732

14 Claims. (Cl. 74—475)



1. A sleeve having a shifter fork thereon, a bushing in which the sleeve is slidably mounted, a shifter shaft slidable in the sleeve, keys in the sleeve, a flat surface on the shaft adapted to maintain the keys selectively in an extended locking position beyond the outer surface of the sleeve, and shouldered notches on either side of the flat surface to engage the respective keys and move the sleeve by the shaft.

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**2,118,091**
**LUMINESCENT MATERIAL**

Humboldt W. Leverenz, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

No Drawing. Application February 29, 1936, Serial No. 66,453

5 Claims. (Cl. 134—47)

1. A luminescent material comprising a manganese activated beryllium zinc salt of an orthoacid of an element in the fourth group of the periodic series.

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**2,118,092**
**DEVICE FOR POSTURE STUDY**

Lester H. Loeffel and Irving R. Versey, New Haven, Conn., assignors to The Berger Brothers Company, New Haven, Conn., a corporation of Connecticut

Application July 25, 1936, Serial No. 92,588

7 Claims. (Cl. 35—28)



1. A device for posture study comprising a two-dimensional jointed figure having the profile contour of the human body, said figure including among other portions a flat plane chest portion, a flat plane pelvic portion lying in substantially the same plane as said chest portion, a flat plane member between and underlapping said first-named portions and to which said portions are directly pivoted in such relation that their adjacent edges are spaced from and diverge from each other, and means between said portions forwardly of said member representing the abdominal portion of the body, said chest and pelvic portions being movable on their pivots with respect to each other and to said last-named means to vary the exposed area of said means between said portions, whereby collapse and extension of the abdominal region of the body in fatigue and lordosis postures, respectively, may be represented.

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**2,118,093**
**DEVICE FOR POSTURE STUDY**

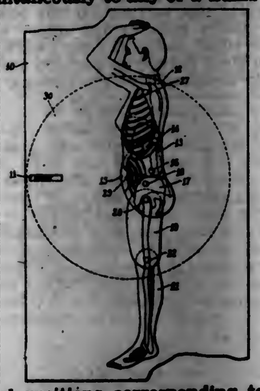
Gerald McCue, New Haven, Conn., assignor to The Berger Brothers Company, New Haven, Conn., a corporation of Connecticut

Application January 26, 1937, Serial No. 123,427

18 Claims. (Cl. 35—28)

1. A support, a figure supported thereby having the profile contour of the human body, said figure comprising a plurality of sections relatively movable to exhibit different body postures, and an actuating member having independent connections with a plurality of said sections to move the latter simultaneously to any of a number of pre-





determined positions corresponding to different postures.

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**2,118,094**
**COMBINATION CASING HEAD AND CHRISTMAS TREE**

James Moore McDonough, Galveston, and Granville A. Humason, Houston, Tex.

Application April 12, 1937, Serial No. 136,240

13 Claims. (Cl. 166—15)



1. A combined casing head and christmas tree for wells including a casing, a casing head secured at the upper end thereof, said casing head flaring upwardly to provide an inner, downwardly tapered seat, a plurality of concentric pipe hangers engaging at different levels within said seat, a string of pipe on each hanger, a separate outlet for each string of pipe extending radially outwardly from the upper end of each pipe through the hanger therefor and through a separate opening in said casing head, and a flow pipe in each of said outlets.

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**2,118,095**
**PROCESS AND APPARATUS FOR MAKING CARBURETED WATER GAS**

Charles V. McIntire, Short Hills, N. J., assignor to Semet-Solvay Engineering Corporation, New York, N. Y., a corporation of New York

Application July 24, 1934, Serial No. 736,649

7 Claims. (Cl. 48—205)

1. In a carbureted water gas process involving the step of blasting a fuel bed in a generator and the burning of the resultant blast gases in a carburetor and superheater connected with the generator, alternating with the step of making carbureted water gas by (*a*) passing steam through the fuel bed and passing the resultant water gas through the carburetor, introducing heavy oil into the water gas passing through the carburetor and fixing the resultant carbureted water gas by passage through the superheater, and (*b*) passing steam in reverse flow through the superheater, carburetor, and into and through the generator and withdrawing the resultant water gas from the generator, the improvement which comprises igniting the blast gases substantially im-



mediately upon their introduction into the base of the carburetor and passing the burning blast gases always upwardly through the carburetor, passing water gas in step (*a*) always upwardly through the carburetor and introducing liquid heavy oil in a downward direction into the upflowing gas stream so that the liquid heavy oil particles and the water gas follow their natural flow tendencies, and in step (*b*) passing steam always downwardly through the carburetor, introducing the heated steam into the top of the generator while simultaneously adding heavy oil to the generator, passing the mixture of oil gas and steam through the fuel bed in the generator and withdrawing the resultant carbureted water gas from the generator.

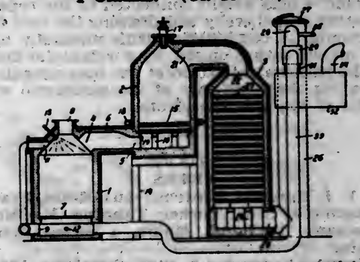
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**2,118,096**
**CARBURETED WATER GAS SET**

Charles V. McIntire, Short Hills, N. J., and William Tiddy, New York, N. Y., assignors to Semet-Solvay Engineering Corporation, New York, N. Y., a corporation of New York

Application September 17, 1936, Serial No. 101,238

4 Claims. (Cl. 48—80)



1. A carbureted water gas set comprising a single generator adapted to contain a bed of fuel, a single carburetor and a single superheater containing checkerbrick, located in separate and detached shells and connected in series with the top of the generator communicating with the base of the carburetor and the top of the carburetor communicating with the top of the superheater, so that during the blasting and water gas making steps flow of blast and water gas respectively

takes place from the generator up through the carburetor and down through the superheater, thereby uniformly heating the checkerbrick in the superheater during the blasting step and efficiently fixing the carbureted water gas during the gas making step, the generator and carburetor being of substantially the same height and the superheater being of substantially greater height than the generator or the carburetor, the carburetor being elevated so that its base is substantially in alignment with the gas offtake at the top of the generator, the carburetor having an oil inlet disposed to introduce oil in a downward direction into the upwardly flowing stream of water gas passing through the carburetor during the water gas making step, and a stack leading from the base of the superheater and extending to a height greater than the height of the superheater.

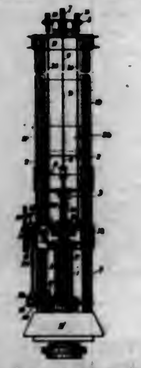
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**2,118,097**

## MACHINE FOR CASTING HOLLOW BODIES

Clement Meek, Milnrow, England, assignor to John Holroyd & Company Limited, Milnrow, England

Application August 19, 1936, Serial No. 96,783
2 Claims. (Cl. 22—200)



2. A machine for casting hollow bodies of metal comprising a rotary mould, a freely rotatable and axially slidable core for insertion into and withdrawal from the mould, a slide from which the core is suspended, a rope connected to the slide, a bias weight connected to the rope for actuating and thereby withdrawing the core from the mould, in combination with manually operated means acting on the bias weight for resisting the withdrawal action of the bias weight and indicating the resistance of the casting to withdrawal of the core therefrom.

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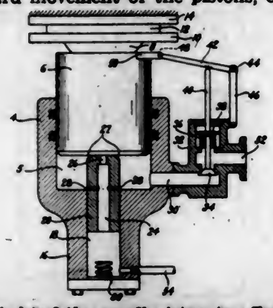
**2,118,098**

## PRESS

Paul V. J. Merenda, Fontenay-aux-Roses, France, assignor to The Turner Tanning Machinery Company, Portland, Maine, a corporation of Maine

Application November 9, 1936, Serial No. 109,824
In Germany November 29, 1935
5 Claims. (Cl. 121—38)

1. In a hydraulic press, a movable platen, a cooperating platen, a large piston supporting the movable platen to operate the latter, a cylinder in which the piston is movable, a small cylinder below the large cylinder and communicating therewith, and a small piston in said small cylinder having a bore extending therethrough substantially parallel to its axis, said small piston having further a flat upper end surface to contact a similar flat surface on the lower end of the large piston whereby the upper end of the bore in the small piston is closed while both pistons are in their lowermost position and also during upward movement of the pistons, caused by



pressure behind the small piston to effect closing of the platens as a preliminary to the application of heavy pressure to the work piece in the press, and said bore in the small piston serving as a passageway for the escape of the pressure medium from the large cylinder upon release of pressure in the small cylinder.

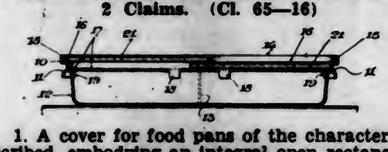
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**2,118,099**

## SANITARY COVER FOR FOOD PANS

Paul Mirk, New York, N. Y.

Application July 17, 1937, Serial No. 154,151
2 Claims. (Cl. 65—16)



1. A cover for food pans of the character described, embodying an integral open rectangular frame adapted to be removably supported upon and throughout the upper edge of a pan, and transparent panels removably seated upon the frame and independently slidable longitudinally thereof, the sides and ends of said frame being of step formation in cross-section to present upper and lower parallel ledges throughout the inner surface of the frame and having also depending portions adapted to abut the adjacent walls of the pan, and said panels being seated in superimposed relation on the respective ledges so as to be independently slidable from end to end of the frame in a manner to open one and close the other end portion of the pan in alternation or to close the pan entirely.

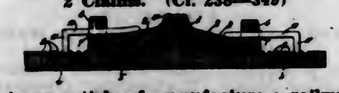
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**2,118,100**

## TIE PLATE AND RAIL FASTENER

Henry C. Myer, Denver, Colo., and Moses L. Myer, St. Louis, Mo.

Application November 11, 1936, Serial No. 110,200
2 Claims. (Cl. 238—349)



1. As an article of manufacture a railway rail tie plate approximately one half inch in thickness and twice as wide as the base of the rail with which it is to be used, the base of the plate being a continuous plane surface, a pair of lugs upstanding from the top of the plate and dividing the plate into a rail seat, said lugs being slotted, the top of each slot being in a horizontal plane, and two extensions outwardly of the lugs, each extension approximately half as wide as the rail seat, the upper surface of the extensions being parallel with the bottom of the plate and provided with a series of grooves parallel with the upstanding lugs, each extension being provided with spike holes, the rail seat between the lugs being thicker near one lug than the other lug and sloping uniformly from the thicker part to the thinner part to cause the railway rail to tip towards one side, in combination with a resilient L-shaped locking key, the long arm of the key to be passed through the slot in a lug to rest upon the sloping upper surface of a rail base and positioned initially horizontally and the shorter right angular arm of the key engaging an outer groove in the upper surface of an extension.

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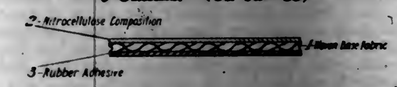


**2,118,101**

## COATED FABRIC

Edgar H. Nollau, Wilmington, Del., and Donald A. Rankin, White Plains, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application April 27, 1935, Serial No. 18,488
5 Claims. (Cl. 91—68)




1. A surgical adhesive tape comprising a fabric base having a pressure-sensitive adhesive containing rubber firmly attached to one side and a coating of a plasticised nitrocellulose composition on the opposite side, the plasticizing component of which consists of a rubber adhesive-innocuous plasticizer, said tape being easily cleanable and highly resistant to water and to soiling.

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**2,118,102**

## STOCKING

Ethel O'Connor, Brooklyn, N. Y.

Application May 20, 1936, Serial No. 80,688
18 Claims. (Cl. 66—173)



18. A full fashioned stocking formed solely of two portions integrally connected and forming at one end a foot portion and at the opposite end a leg portion having its upper end terminating along an edge downwardly and forwardly inclined so that the rear portion of the stocking above the knee crotch extends above the front portion thereof and terminates at its upper end in a tab forming area adapted to be engaged by a rear garter.

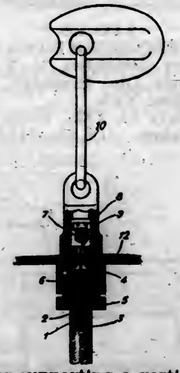
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**2,118,103**

## CABLE CONNECTER AND SUPPORT

Wolfgang Oeding, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application June 8, 1935, Serial No. 25,580
In Germany June 20, 1934
2 Claims. (Cl. 173—251)



1. Means for supporting a vertically depending cable having an outer metallic braiding and a central insulated conductor without strain on the central conductor, comprising in combination a hollow nut tapered internally and in contact with the outer surface of said braiding, a wedge between the insulation and the interior surface of said braiding, a hollow member having an internally threaded portion engaging said nut and a reduced shoulder portion adapted to engage the end of said wedge to thereby expand the end of said braiding and maintain it firmly in contact with the tapered surface of said nut, screw means for securing the upper end of the central conductor to the upper surface of said hollow member in the absence of tension in said conductor, a vertically depending supporting member engaging the upper portion of said hollow member and serving as a supporting means for said cable and a lead wire clamping means intermediate the last two members for providing a conductive connection between said conductor and an external circuit.

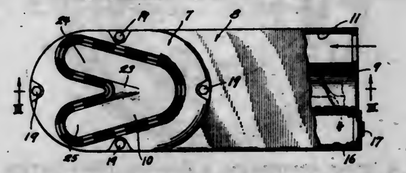
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**2,118,104**

## COMBUSTION DEVICE

William W. Peck, Muncie, Ind.

Application August 26, 1935, Serial No. 37,819
2 Claims. (Cl. 110—45)

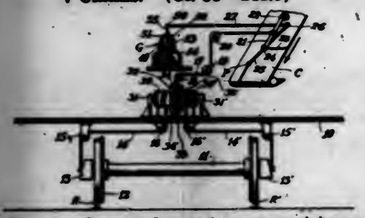


1. A combustion device comprising a cast ferrous metal retort comprising an enclosing wall sloping downward and inward, said retort being approximately heart-shaped in horizontal contour and having an opening adjacent the bottom thereof at the narrow end thereof for admitting pulverized coal, whereby coal admitted to said heart-shaped retort will be divided into two angularly divergent streams, and means pro-

viding an air chamber surrounding the retort and having an air inlet through which air under pressure may be admitted to the chamber, the wall of said retort being further formed with a plurality of elongated tuyère slots therethrough arranged in vertically spaced groups, the slots of one group being staggered relative to the slots of the adjacent group.

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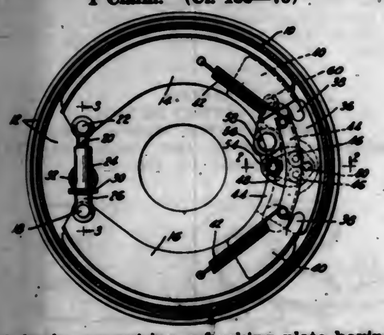
2,118,105
**TRACK RECORDER MECHANISM**
Walter M. Perry, Brooklyn, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application July 11, 1935, Serial No. 30,840
7 Claims. (Cl. 33—141.5)



1. In a track recorder system comprising a car body mounted on trucks having axles, a difference in elevation representation mechanism within the car body and means whereby differences in elevation between the rails of the track actuate said mechanism, said means including a differential mounted on said car body and having side gears and a pinion, cables connecting said side gears with the respective ends of one of said truck axles, and a connection between said pinion and said mechanism.

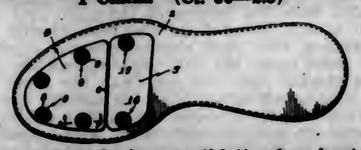
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2,118,106
**BRAKE**
Carl Press, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application February 8, 1937, Serial No. 124,537
1 Claim. (Cl. 188—78)



A brake comprising a backing plate having a U-section bracket mounted thereon adjacent its periphery, said bracket having notches in its ends, shoes having parts seating in said notches and provided with projections extending into the opposite ends of the bracket, the end faces of the projections diverging from each other radially of the brake, and a radially-movable applying device within said bracket and having rollers in wedging engagement with the end faces of said projections.

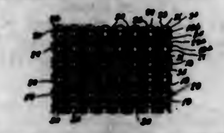
2,118,107
**ATHLETIC SHOE SOLE PLATE**
John T. Riddell, Chicago, Ill.
Original application October 17, 1931, Serial No. 569,429. Divided and this application June 29, 1935, Serial No. 29,061
1 Claim. (Cl. 36—2.5)



In a relatively heavy athletic shoe having a plurality of cleats secured to the bottom of the sole thereof, a sole reinforcing means disposed on the inner side of the shoe sole and having a plurality of perforations for cleat fasteners, said sole reinforcing means being formed of two parts which together take the shape of the forward half of the shoe sole and which comprise a one piece toe plate and a separate ball plate disposed side by side with their adjacent margins parallel and substantially on a transverse line adjacent the position of the ball of the wearer's foot so as to substantially localize the bending of the shoe sole to such transverse line, a pair of said perforations being disposed in said ball plate and positioned near the lateral extremities thereof and each being substantially the same distance from said transverse line, and cleat fasteners passing through said perforations and the shoe sole whereby diagonal splitting of the sole plate rearwardly of the ball is prevented.

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2,118,108
**FABRIC AND METHOD OF MAKING THE SAME**
Francis B. Riley, Newton Highlands, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 26, 1934, Serial No. 732,515
Renewed October 21, 1937
2 Claims. (Cl. 66—190)



2. A fabric comprising a base including straight diagonal, cross and longitudinal sets of strands disposed in layers on one another, and a looped strand securing said base strands together.

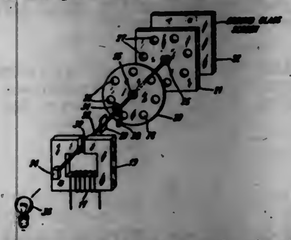
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2,118,109
**RADIO CLOCK**
Walter van Braam Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 28, 1934, Serial No. 755,170
1 Claim. (Cl. 250—9)

In a signalling system wherein carrier energy is modulated by desired signal energy representing one item of information and transmitted for reception at a distant point, means for transmitting additional signal energy representing another item of information on the same carrier energy comprising, means for additionally modulating the carrier energy by a group of one or more frequencies corresponding to the additional information to be transmitted, a receiving device



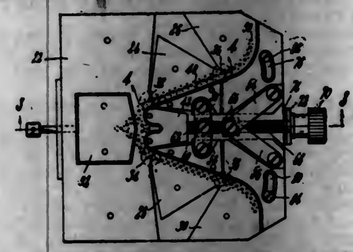
having a detector and including means for separating the signal modulations and the additional modulations, utilizing means energized by the additional modulations comprising a plurality of devices for selectively responding to the said group of one or more frequencies, means for indicating the complexion of the frequencies selected comprising a plurality of mechanical vibratory systems each thereof being tuned to one of the frequencies arranged to be utilized for the transmission of the additional signals, each of the vibratory systems being arranged to be occult to a source of light when the system is not energized but to allow intermittent passage of light when in vibration, separate driving means associated with each vibratory system, said driving means being rendered operative only upon reception of the particular frequency to which the



driving means is responsive, each of said vibratory systems comprising a vibrating reed assembly including an electromagnet shaped so that the poles thereof are in close proximity to each other and form a gap, a reed and a shaft, said reed being mounted on the shaft so that the reed is positioned within the gap, a disc mounted on said shaft, said disc being provided with a plurality of apertures, means to control the vibrations of the shaft, a screen, a mask interposed between said disc and said screen, said mask being provided with a series of apertures positioned on the mask in relation to the apertures on the disc so that light from the source cannot pass through to the screen when the vibrating system is at rest but may intermittently pass through the apertures to the screen when the vibrating system is vibrated.

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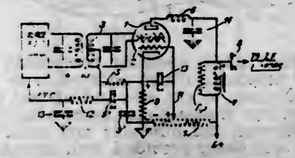
2,118,110
**CUTTING DIE FOR ORNAMENTING SHOE-UPPER PARTS**
Stig E. Rosenberg, Brockton, Mass.
Application January 25, 1937, Serial No. 122,095
14 Claims. (Cl. 164—93)



14. A cutting and punching die comprising a base, a flexible blade having the approximate shape of the cut to be made, a series of blocks supporting and confining said blade, said blocks being movable on said base to vary the shape of the blade, a series of punches arranged in a row at one side of said blade and following the configuration thereof, and means for individually supporting a group of said punches adjacent to the mid-portion of said blade, said last-named means including a pivoted arm for each punch of the group and means for rocking the arms simultaneously to change the spacing between the punches thereon in response to adjustive movement of said blocks.

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2,118,111
**GRID DETECTOR CIRCUIT**
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 3, 1935, Serial No. 221
9 Claims. (Cl. 250—27)



1. In a detector circuit of the type including a co-planar grid tube, a signal input circuit connected between the co-planar grids and the cathode and an output circuit connected between the anode of the tube and its cathode, a gain regulation electrode disposed in the electron stream, and between the co-planar grids and the cathode, said regulation electrode being connected to the cathode through a pair of opposed direct current voltage sources, one of the sources being dependent in magnitude on the space current flow of the tube and being sufficiently more positive in potential than the other source to cause the gain regulation electrode to automatically counteract large increase of the space current which is caused by a decrease in the effective negative direct current potentials of the co-planar grids of the detector tube, an audio amplifier following said detector tube, means for adjusting the transmission of detected signals between the detector output circuit and the input circuit of said audio amplifier, and additional means for impressing detected signals upon said regulation grid.

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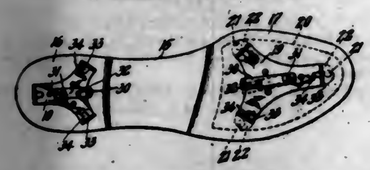
2,118,112
**VARIABLE RESISTANCE DEVICE**
Newton C. Schellenger, Elkhart, Ind., assignor to Chicago Telephone Supply Co., Elkhart, Ind., a corporation of Indiana
Application June 27, 1934, Serial No. 732,604
9 Claims. (Cl. 201—55)



2. In a variable resistance device, a supporting base, the surface of said supporting base having a plurality of grooved depressions therein extending transversely thereof, a layer of carbonaceous resistance material having high and low resistance sections on the grooved surface of said supporting base, said resistance material

covering both the grooves and surfaces intermediate the grooves, and a contactor slidably engageable with said layer of carbonaceous material to vary the effective resistance thereof.

2,118,113
**SHOE PLATE**
Abraham Schemel, Yonkers, N. Y.
Application April 27, 1935, Serial No. 18,610
6 Claims. (Cl. 36—59)



1. A shoe plate assembly comprising a plurality of attaching plates adapted to be permanently attached to the sole and/or heel portions of a shoe, one of said plates being adapted to be placed between the innersole and outer sole of the shoe and being provided with means for retaining a second one of said plates attached thereto, said second plate being designed to be positioned in the plane of the outer face of the outer sole, and said second plate being provided with means for holding a removable spike plate thereto.

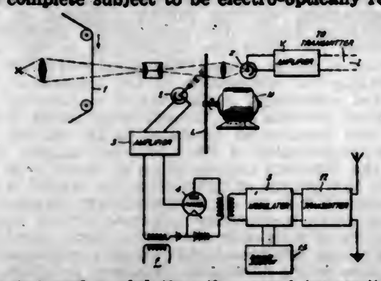
2,118,114
**EXERCISING DEVICE**
William Schenk, Long Island City, N. Y.
Application March 6, 1935, Serial No. 9,562
1 Claim. (Cl. 272—82)



An exercising device comprising an endless rubber band normally oblong in outline, handle members each comprising a pair of mutually hinged semicylindrical sections adapted to be closed about the short sides of said band to enclose said band therebetween, means for locking said sections in said closed position, and means for locking said band in said closed handle member sections.

2,118,115
**TELEVISION APPARATUS**
Fritz Schröter, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 27, 1934, Serial No. 750,262
In Germany October 12, 1933
8 Claims. (Cl. 178—5.6)

1. In a sound and television system wherein is provided a transmitter for the sound signal and a separate transmitter for the television signal, the method of transmitting controlling background brightness signals comprising the steps of producing electrical signal energy proportional to the average brightness value of substantially the complete subject to be electro-optically represented and modulating the sound transmitter by said produced signal energy.



2,118,116
**ELECTRIC COOKING SYSTEM**
Edmund O. Schweitzer, Northbrook, Ill.
Application March 15, 1935, Serial No. 11,230
12 Claims. (Cl. 219—37)



1. In a domestic electric range having a horizontal range surface, a plurality of helically wound vertically extending heat generating units, energizing means therefor including a pair of spaced contacts, and means at the front of said range for adjusting said units vertically with respect to the range surface including a rotatable contact bridging member movable into bridging engagement between said contacts in predetermined adjusted positions of said units.

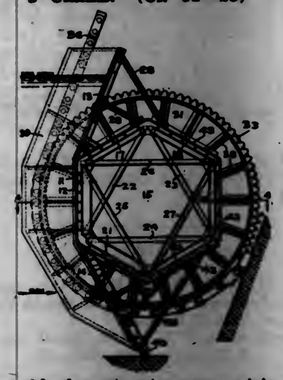
11. A cooking utensil of the class described having a metal bottom wall provided with an opening therein, a lateral defining metal side wall, and a transparent heat resisting member secured to said bottom wall and closing the opening therein, said transparent heat resisting member being adapted to transmit both radiant and conducted heat to the contents of the utensil when the utensil is disposed with said transparent heat resisting member adjacent a heater externally of the utensil, at least a portion of the transparent heat resisting member extending upwardly over the opening in the said bottom wall.

2,118,117
**METHOD FOR SEPARATING CONSTITUENTS OF BIOLOGICALLY VALUABLE STARTING MATERIALS**
Manasseh Girages Sevag, Berlin, Germany
No Drawing. Application May 24, 1935, Serial No. 23,337. In Germany May 26, 1934
14 Claims. (Cl. 167—74)

1. A method of separating the constituents of organic materials of vegetable or animal origin and containing biologically valuable products associated with proteins to obtain said products substantially free from proteins which comprises agitating the same with a mixture of water and an organic water-immiscible liquid which is capable of forming a gel with said proteins in the presence of water, to cause separation of constituents thereof in a plurality of layers, one of which contains said biologically valuable products substantially free from proteins and another is a gel of protein with organic water-immiscible liquid, said gel being stable on centrifuging.

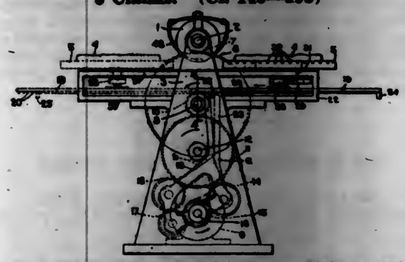


2,118,118
**MOVABLE DAM STRUCTURE**
Harry E. Smyser, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application July 1, 1937, Serial No. 151,377
3 Claims. (Cl. 61—28)



2. A movable dam structure comprising a front wall having a plurality of flat angularly disposed surfaces, a skeleton framework substantially hexagonal in cross section and having one of its sides abutting one of the flat surfaces of said front wall and coextensive therewith, a cylindrical drum at each end of said framework, and tracks for supporting said drums.

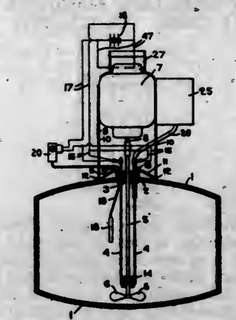
2,118,119
**MEAT-SLITTING MACHINE**
Joseph P. Spang, Quincy, Mass.
Application November 5, 1936, Serial No. 43,313
8 Claims. (Cl. 146—198)



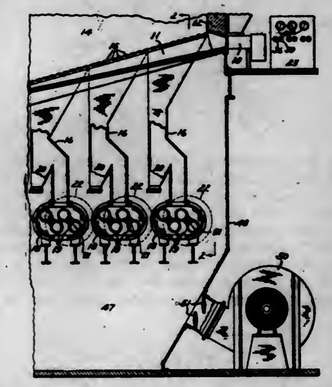
1. A meat-slitting machine comprising a set of rotary knives, a meat-supporting table, a prime mover, reversible driving connections between the prime mover and the table by which the latter is moved forwardly and backwardly beneath the knives, said driving connections including a part which is reversible as to its direction of movement, knife-rotating mechanism actuated by the reversible part of said driving connections, and means operated by the movement of the table as it reaches the end of its stroke in either direction to reverse the reversible part of the driving connections and thereby to reverse the direction of movement of the table.

2,118,120
**APPARATUS FOR AGING WHISKY**
Joseph P. Spang, Quincy, Mass.
Application August 23, 1937, Serial No. 161,467
3 Claims. (Cl. 99—277.2)

1. An apparatus for aging liquor in the keg comprising a bung member of a size to fit the bung-hole of the keg, a heating member carried by and depending from the bung, a bearing member secured to and supported by the heating member at its lower end, a shaft extending through the bung and the bearing member, an agitator on said shaft below the heating member, a motor-supporting frame secured to the bung and having portions constituting feet to rest on the keg at points spaced from the bung when the latter is occupying the bung-hole of the keg, and a motor carried by said frame for rotating said shaft.

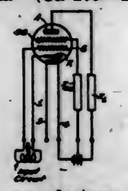


2,118,121
**FURNACE**
Paul C. Temple, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware
Application April 16, 1935, Serial No. 16,670
10 Claims. (Cl. 110—44)



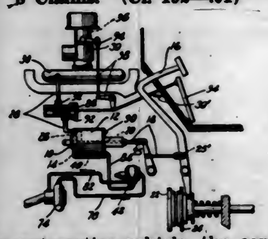
1. A furnace comprising a grate surface divided both longitudinally and transversely into comparatively small areas, a plurality of transverse rows of ducts, each duct communicating with one of said areas, a positive displacement blower connected to each duct to supply air thereto, the blowers being arranged in groups corresponding to the transverse rows of ducts, and means to vary the speed of operation of one group of blowers relative to another.

2,118,122
**AMPLIFYING SYSTEM**
Balthasar van der Pol and Klaas Posthumus, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware
Application November 17, 1933, Serial No. 698,486
In the Netherlands January 26, 1933
1 Claim. (Cl. 179—171)



In combination, an electron discharge tube having a cathode, a heater for said cathode, a control grid, a screen grid and an anode, a connection within said tube between said heater and one end of said cathode, a circuit including an impedance connecting said screen grid and said heater, an input circuit connecting said control grid and being directly connected to the other end of said cathode and an output circuit connected to said anode and directly to said one end of said cathode.

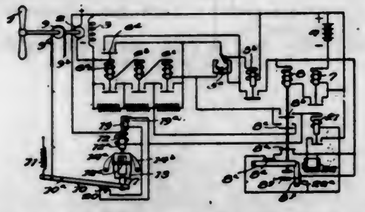
2,118,123
**CLUTCH CONTROL MECHANISM**
William S. Watts, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 20, 1933, Serial No. 694,437
8 Claims. (Cl. 192—.01)



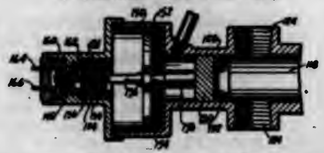
1. In an automotive vehicle, the combination with an internal-combustion engine and a clutch, of power means for controlling the operation of the clutch, said means comprising a clutch motor operably connected with the clutch, and valve means for said motor including a pressure sensitive follow-up to-lap bleed valve said valve being operable, as a function of the speed of the engine, to control the clutch engaging operation of said motor.

2,118,124
**ELECTRIC POWER PLANT**
Robert W. Weeks, West Chester, Pa., assignor to Edward M. Weeks, Washington, D. C.
Application October 30, 1936, Serial No. 108,464
15 Claims. (Cl. 290—44)

1. In combination, a fluid turbine, an electric generator driven by said turbine, a battery and circuit connections from said generator for charging said battery, a mechanical brake for said turbine, means responsive to an over-voltage condition of said battery for applying said mechanical brake, means for disconnecting said generator from said battery when the voltage thereof drops below the voltage of said battery and means responsive to under-voltage condition of said battery and operated by current transmitted from the battery over said charging connections for releasing said brake.

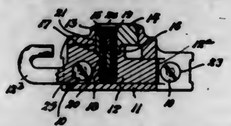


2,118,125
**SWITCH**
Franklin H. Wells, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application April 24, 1936, Serial No. 76,140
2 Claims. (Cl. 200—82)



1. A stop light switch for a hydraulic brake system comprising a cylinder, a piston acted upon by fluid pressure in the system, an element moved by said piston when acted upon by said pressure, and a stationary element with which said movable element contacts, said movable element comprising a piston having a rubber cup, a brass annular member, and a copper insert arranged to contact with the walls of the casing and upon energization of said piston to contact with the stationary contact element.

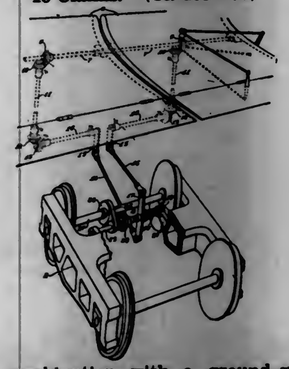
2,118,126
**LOCK FOR BICYCLES AND OTHER PURPOSES**
Solomon Wise, Shaker Heights, Ohio
Application November 25, 1936, Serial No. 112,770
8 Claims. (Cl. 70—234)



7. In a lock unit, in combination, a casing, a slide bolt mounted therein, an actuator for said bolt comprising a rotator swivelled in the casing and having an eccentric throw pin projecting therefrom into engagement with the slide bolt, means whereby the rotator may be turned so as to cause the throw pin thereof to move on an arc for shifting the slide bolt, and lock mechanism for holding the rotator against movement, and comprising locking tumblers mounted upon the lock bolt and upon the rotator's throw pin for coaction to hold the bolt in an operative position, said bolt comprising an engaging member for locking purposes, located at one end thereof, and being equipped with a locking hook at its opposite end cooperative with the casing to become closed thereby when the bolt is in a certain position.



2,118,127
**HIGH SPEED VEHICLE**
William A. Wulle, Chicago, Ill.
Application July 26, 1933, Serial No. 682,211
18 Claims. (Cl. 105—74)



1. In combination with a ground-supported traveling car, an aerofoil mounted on the car for aerodynamic reaction with the relatively moving air, and means continuously activated in accordance with the speed of the car operating automatically to regulate the angle of incidence of said aerofoil in accordance with the speed of the car.

2,118,128
**HANDWHEEL FOR VALVES**
Farnham Yardley, West Orange, N. J., assignor to Jenkins Bros., New York, N. Y., a corporation of New Jersey
Application October 27, 1936, Serial No. 107,878
6 Claims. (Cl. 16—117)

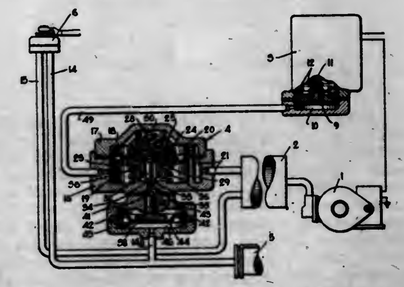


1. A handwheel for valves and the like including a hub portion, and a rim connected to the hub, said rim having a plurality of ring-like portions spaced from each other in the direction of the axis of the hub and a plurality of ribs connecting said ring-like portions, said ribs being alternately reversely curved.

2,118,129
**TREATMENT OF COCOA PRODUCTS**
Benjamin J. Zanlea, Ozone Park, N. Y., assignor to Rockwood & Co., Brooklyn, N. Y., a corporation of Delaware
No Drawing. Application April 6, 1936, Serial No. 73,949
8 Claims. (Cl. 260—34)

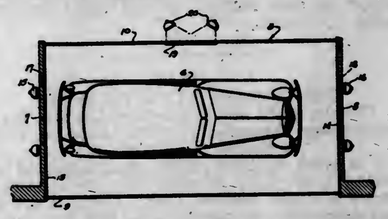
1. A process of extracting theobromine from cocoa containing material comprising treating said raw material with an extracting agent consisting substantially of a sufficient quantity of water heated to a temperature of 140 to 212° F. to effect complete wetting and dispersion of the cocoa particles, adding to the mass without substantial further heating a mixture of water and an alkaline earth oxide, and separating the solids from the liquid, the total quantity of water added to said material being sufficient to dissolve substantially all of the theobromine present therein.

2,118,130
**COMPRESSOR CONTROL DEVICE**
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 16, 1937, Serial No. 153,895
22 Claims. (Cl. 303—1)



1. In combination, a motor driven compressor, a reservoir into which fluid compressed by said compressor is supplied, regulatory means operative by variations in fluid pressure for causing said compressor to start and stop when the pressure in the reservoir reaches given minimum and maximum pressures, respectively, control means operated by variations in fluid pressure for causing said regulatory means to effect the starting and stopping of the compressor when the pressure in the reservoir reaches minimum and maximum pressures different from said given pressures, and braking means including a brake cylinder communicating with said control means, whereby the fluid pressure on said control means is varied in accordance with operation of the braking means.
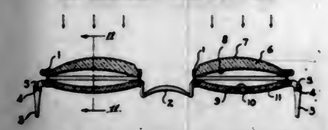
2,118,131
**DISPLAY APPARATUS**
Harold M. Alexander, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 3, 1936, Serial No. 94,038
2 Claims. (Cl. 40—130)



1. In a display window, booth, or the like, spaced front and rear walls between which the article to be displayed is positioned, the rear wall being opaque and having an inner light reflecting surface while the front wall comprises a transparent mirror, means for illuminating the space between said walls, a portion of the rear wall being transparent, a sign mounted in front of said transparent portion, and means for illu-

minating the sign from the rear to cause it to be reflected back and forth in the front and rear walls.

2,118,132
**CORRECTING OCULAR DEFECTS**
**Adelbert Ames, Jr., Gordon H. Gliddon, and Kenneth N. Ogle, Hanover, N. H., assignors to Trustees of Dartmouth College, Hanover, N. H., a corporation of New Hampshire**
Application October 26, 1934, Serial No. 750,162
12 Claims. (Cl. 88—54)



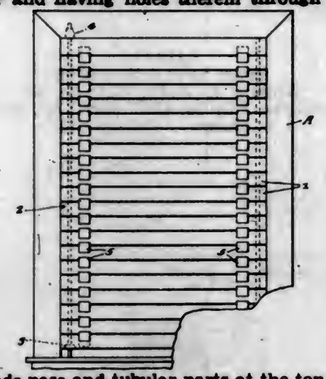
1. An eyeglass for correcting ocular image distortion, and deviation of the line of sight by introducing given compensatory amounts of prismatic distortion and deviation, comprising a lens system having surface means, each of said surface means having in one meridian a curvature, and being spaced relative to the other surface means, forming a prismatic lens system effecting said compensatory distortion, said compensatory deviation and a certain substantially zero power magnification in said meridian, and said surface means being curved in a meridian normal to said first-mentioned meridian so as to produce in said second meridian a magnification substantially equal to said magnification introduced by the curvatures in said first meridian, without substantially affecting said compensatory distortion and said compensatory deviation.

2,118,133
**ORGANIC MERCURY COMPOUNDS**
**Carl N. Andersen, Watertown, Mass., assignor to Lever Brothers Company, a corporation of Maine**
No Drawing. Application November 22, 1934, Serial No. 754,373
14 Claims. (Cl. 260—13)

1. A new organic mercury compound of the general formula $(RHg)_2R_1$ in which R represents an aromatic structure in which none of the carbon atoms has direct linkage with any element other than hydrogen, carbon and mercury; and in which $R_1$ represents the radical of a compound selected from the group consisting of ureids and purine bases, the RHg groups being linked to said radical by the replacement of imido hydrogen.

2,118,134
**COLLAPSIBLE BLIND OR SHADE**
**Charles Fred Allison, Corpus Christi, Tex.**
Application November 17, 1937, Serial No. 175,151
2 Claims. (Cl. 156—16)

1. A blind or shade of the class described comprising a plurality of slats of substantially inverted V-shape, rods on which the slats are slidably arranged and tapes connecting the slats together, said tapes being so constructed and arranged as to hold the slats, when the device is in operative position, with the apex of a lower slat above the plane of the lower end of the next slat above and said tapes folding upon the slats when the blind is collapsed or in inoperative position, and means carried by the upper and lower slats for preventing tilting movement of the slats on the rods, said means including cross pieces connecting the limbs of the lower slat together and having holes therein through which



the rods pass and tubular parts at the top of the upper slat through which the rods pass.

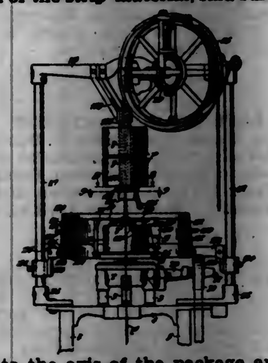
2,118,135
**DISPLAY STRUCTURE**
**Minot J. Baldwin, Akron, Ohio**
Application August 26, 1936, Serial No. 97,915
13 Claims. (Cl. 40—125)



8. In a display structure for flexible posters or the like, the combination of a pair of edging strips removably engagable with opposite marginal portions of the poster, a stretching member removably engageable with said edging strips adapted yieldingly to urge said strips away from each other to impart tension to said poster, and means for supporting said tensioning device in upright position, said means including a fixture on the device adjacent the lower end thereof, and a prop alternatively mountable in said fixture at an angle to the tension device or in axial alignment therewith for supporting the display structure in contact with the floor or at an elevation above the floor respectively.

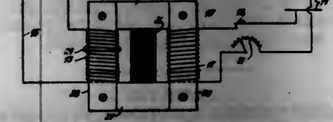
2,118,136
**SERVING APPARATUS**
**Willard W. Bardsley, Providence, R. I., assignor to Wardwell Braiding Machine Company, Central Falls, R. I., a corporation of Maine**
Application December 17, 1936, Serial No. 116,374
12 Claims. (Cl. 117—42)

1. In a serving apparatus, a rotary flyer, means for rotatably supporting a cross-wound package of strip-like serving material on the flyer, said package being considerably greater in length than the width of the strip-material, means for feeding a core axially through the flyer, means for guiding the material from the package to apply it helically to the core adjacent one end of the package, and means for guiding the strip as it unwinds from one end of the package to its opposite end comprising a guiding surface of a length several times the width of the strip-material, said surface being



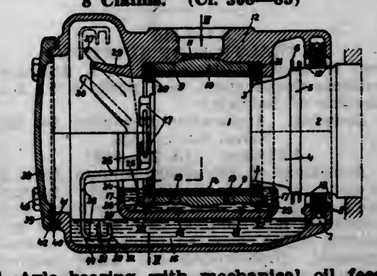
inclined to the axis of the package and located between the latter and the first guiding means, the strip of material passing over said inclined guiding surface to adapt it to travel therealong to compensate for variations in the rate of delivery of the material between the ends of the package whereby to maintain a uniform rotative movement of the package.

2,118,137
**TESTING APPARATUS**
**William J. Bartlett, South Euclid, Ohio, assignor to The Electric Heat Control Company, Cleveland, Ohio, a corporation of Ohio**
Application July 18, 1934, Serial No. 735,851
1 Claim. (Cl. 175—183)



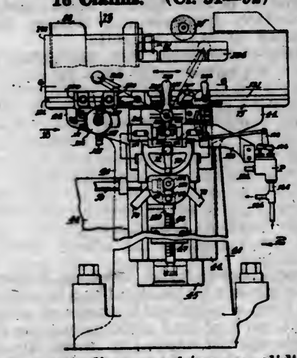
A spark plug testing device comprising a transformer having primary and secondary windings and a core with a magnetic shunt adapted to produce a high-leakage effect, said transformer also including a short-circuited band surrounding the secondary winding and a portion of the core, means for connecting the primary winding with an available power and lighting circuit including a manually operable switch for controlling the energisation of the primary winding from said circuit, a holder adapted to receive a spark plug to be tested and to hold the same during the test with its points surrounded by air of normal atmospheric pressure, said holder providing an electrical connection to one of the terminals of said plug, circuit connections for connecting the secondary winding with said holder and with the other terminal of said spark plug, a meter having a coil connected in series in the secondary winding circuit and a pointer movable to afford a direct indication of the quality of the spark plug being tested, and ground connections for grounding the coil of said meter and said holder.

2,118,138
**LUBRICATED AXLE BEARING**
**Victor Alexander Bary, London, England**
Application March 15, 1934, Serial No. 715,651
In Germany March 16, 1933
8 Claims. (Cl. 308—85)



1. Axle bearing with mechanical oil feeding means, especially for rail vehicles, comprising in combination an axle journal, an axle box housing, the diameter of the running surface of said axle journal being less than the diameter which the said axle journal has in the region of the packing against the axle box housing, a bearing brass for receiving the axle journal, a lubricant storage tank in the lower part of the axle box housing, a tray formed with the axle box housing and arranged between the axle journal and the lubricant storage tank and receiving in its hollow space the lower part of the axle journal in the axle box housing, the lower vertex of the front walls of the tray on both sides being located nearer the axis of the axle journal than the lower vertex of the running surface of the axle journal, the tops of all of the walls extending nearer the axle axis than the lowest line of the axle journal, feeding means adapted to feed lubricant from the lubricant storage tank into the tray.

2,118,139
**MACHINE FOR GRINDING FLUTES**
**Stanley W. Bath, Shrewsbury, and Ervin L. Ackley, Worcester, Mass., assignors to John Bath & Company, Worcester, Mass., a corporation of Massachusetts**
Application June 1, 1936, Serial No. 82,808
16 Claims. (Cl. 51—92)



1. In a grinding machine, a sliding table, table-moving mechanism, a single control device

for said mechanism, table-reversing means, and manual means to move said device toward and away from the path of table movement, said device when moved by said manual means toward said path placing said machine in operation and said device when additionally moved by said manual means in the same direction being effective to change the range and extent of working travel of said table as defined by said reversing means and during a grinding operation.

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2,118,140
**EXTRACTION OF SULPHUR**
Robert W. Beattie, Bloomfield, N. J., assignor to Halowax Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 24, 1936, Serial No. 117,635
4 Claims. (Cl. 23—228)

1. A method of extracting sulphur from sulphur-containing materials which comprises treating the sulphur-containing material with a low-melting, high-boiling member of the group consisting of halogenated polynuclear aromatic compounds, trichlorobenzene, alkyl naphthalenes and mixtures thereof at a temperature above 100° C., separating the solution from undissolved material, cooling the separated solution to a temperature at which a substantial proportion of the dissolved sulphur separates from the solution and separating the sulphur from the mother liquor.

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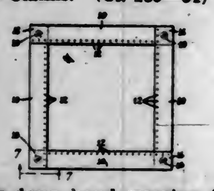
2,118,141
**PROCESS FOR PREPARING HYDROXYHYDROQUINONE**
Frederic R. Bean, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 14, 1936, Serial No. 105,567
10 Claims. (Cl. 260—154)

1. A process for preparing hydroxyhydroquinone comprising subjecting a hydroxyhydroquinone lower fatty acid ester to hydrolysis, in the presence of a lower fatty acid catalyst.

3. A process for preparing hydroxyhydroquinone comprising subjecting a hydroxyhydroquinone lower fatty acid triester to hydrolysis, in the presence of acetic acid catalyst.

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2,118,142
**HAND WEAVING FRAME**
Constantine A. Belash, Boston, Mass., assignor to Fellowcrafters Incorporated, Boston, Mass., a corporation of Massachusetts
Application October 12, 1935, Serial No. 44,731
8 Claims. (Cl. 139—34)



1. A knock-down hand weaving frame comprising a plurality of identical sections fitted together to form a rectangular frame of adjustable dimensions, each of said sections having the opposite ends thereof shaped to form the mating portions of a joint constructed and arranged for the fitting together of adjoining sections alternatively in a locking rectangular relationship to form the corners of the frame, or in a locking straight line relationship to provide extended sides and having on the face of each section a row of yarn supporting posts extending the length of the section in spaced sequence and having the end posts of the sections spaced with relation to the mating joint portions thereof to provide a normal sequence of spacing between the end posts of adjacent sections placed in locking straight line relationship.

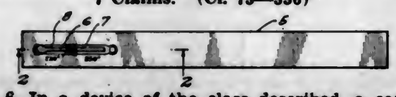
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2,118,143
**REFRACTORY MATERIAL**
Raymond C. Benner and Henry N. Baumann, Jr., Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application April 25, 1935, Serial No. 18,213
7 Claims. (Cl. 106—9)

1. The method of making refractory material which comprises melting a mixture consisting of 10 to 35% boric oxide and 65 to 90% aluminum oxide, cooling the molten mixture and causing the formation of a substantial proportion of boroaluminate crystals in the cooled body.

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2,118,144
**STERILIZING INDICATOR AND INK**
Phoebus Berman and Albert L. Chaney, Los Angeles, Calif.
Application August 5, 1932, Serial No. 627,597
7 Claims. (Cl. 73—356)



6. In a device of the class described, a card, a simulation of a clinical thermometer on said card having an indicating column comprised of a plurality of heat sensitive elements, each adapted to permanently change color when subjected to a predetermined time-temperature exposure different from that of the others of said heat sensitive elements, said heat sensitive elements being arranged in said column in the consecutive order of their temperature sensitivity whereby the length of the column which has changed color will indicate the time-temperature exposure to which said device has been subjected.

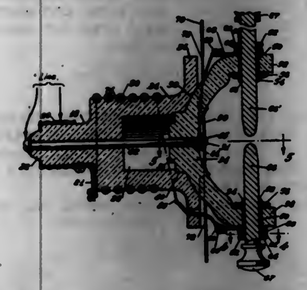
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2,118,145
**COMBINATION HEATING AND LIGHT RADIATING DEVICE**
William K. Beyer, Chicago, Ill., assignor to Graham S. McGill, Chicago, Ill.
Application February 1, 1937, Serial No. 123,405
9 Claims. (Cl. 250—34)

1. A radiant energy generator having a base of heat resisting material provided at one extremity with a reduced portion having a threaded socket-engaging sleeve thereon and provided at its opposite extremity with an enlarged face portion, a yoke-shaped electrode supporting member seated in grooves formed in said face portion of the base and secured in place by means of a conductive stay bolt extending through the base to the outermost extremity of said reduced end portion to form a companion contact for said threaded contact sleeve, the arms of said yoke being provided with axially aligned conductive sleeves adapted to receive electrode members and having yieldable means engageable with



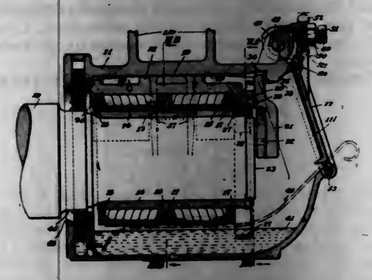
electrodes therein to hold the same in adjusted position, a resistance element disposed about the outer periphery of said base intermediate said reduced end and said enlarged face and con-



nected in series with one of said electrode sleeves and said threaded contact sleeve, the other said electrode sleeve being electrically connected to said stay bolt.

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2,118,146
**JOURNAL BOX**
William Blackmore, Cleveland Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Original application June 3, 1931, Serial No. 542,912. Divided and this application February 28, 1934, Serial No. 713,353
5 Claims. (Cl. 308—44)



1. In a device of the class described a journal box adapted to receive a journal, a hinge lug formed at the top of said box, a lid pivotally carried by said lug upon a horizontal pivot passing through said lug, and means carried by said lid and cooperating with said lug to prevent opening of said lid, said means being adapted to receive a seal which must be broken to render said means ineffective.

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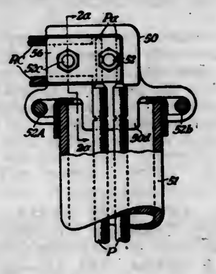
2,118,147
**FOLDING BARB FISH GAFF**
William S. Blodgett and Leonard R. Blodgett, Portland, Oreg.
Application May 5, 1937, Serial No. 140,920
6 Claims. (Cl. 43—5)

1. A gaff, comprising a tubular body having a shank portion and a hook portion terminating in a penetrating point, a slot proximate the point, a barb pivotally mounted within the slot and movable in and out thereof, a flexible rod slidable back and forth in the shank and hook, a dog projecting from the barb and engageable by one end of the rod and when so engaged pivoting the barb into the slot, and spring means for maintaining the rod in normal disengagement with the dog.



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2,118,148
**RAILWAY BOOTLEG**
Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application February 4, 1936, Serial No. 62,328. Divided and this application November 5, 1936, Serial No. 109,332
6 Claims. (Cl. 247—1)



5. A bootleg for connecting an insulated electrical conductor with the two wires of a rail connector comprising a tubular housing projecting upwardly from the ground and enclosing the conductor, a two-part head assembly having coinciding grooves in the central portion thereof for receiving an insulated portion of said conductor within said housing, means for securely clamping the insulated portion of said conductor within the grooves of the head assembly and the head assembly securely in fixed relation to the housing, means for insulating the head assembly from the housing, other grooves in one portion of said head assembly for receiving the two wires of said rail connector as well as a non-insulated portion of said conductor, and means cooperative with said one portion of the head assembly to securely hold said conductor and the wires of said connector in firm electrical contact.

2,118,149
HINGE
John Holt Booth, Four Oaks, Sutton Coldfield, England, assignor of one-third to Arthur Sam Chesston and one-third to Herbert Linwood Sleigh, Birmingham, England
Application November 8, 1934, Serial No. 751,973
In Great Britain November 18, 1933
13 Claims. (Cl. 16—128.1)



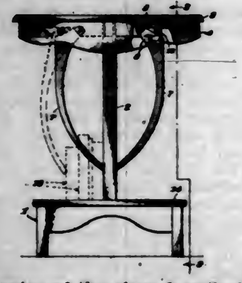
1. A hinge including a hinge pin, primary and secondary hinge plates, parts on each of said plates engaging said pin, a continuous cover plate formed separately of the primary and secondary hinge plates and extending along said pin in spaced relationship therewith, said cover plate being of inverted non-circular channel section, and the sides of the channel being supported from the hinge pin along the length of the cover plate, to provide reinforcement for said cover plate across its width.

2,118,150
DRAFT RIGGING
William Watson Brinkley, Roanoke, Va., assignor of twenty-four percent to E. Lee Trinkle, Jr. and ten percent to Clarence M. Trinkle, Jr., both of Roanoke, Va.
Application July 2, 1935, Serial No. 29,543
2 Claims. (Cl. 213—40)



1. A draft rigging including longitudinally extending transversely spaced side sills, an end sill, a draw bar, longitudinally spaced followers positioned between the side sills, a draft gear spring interposed between the followers, and an auxiliary spring having one end connected to the draw bar and the opposite end connected to the end sill.

2,118,151
ARM GRIP TABLE
Scott A. Brockway, Lincoln, Nebr.
Application May 3, 1937, Serial No. 140,560
2 Claims. (Cl. 311—2)



1. In a device of the class described, the combination with a standard, of a table top on said standard, brackets at opposite sides of said standard and secured to said table top, each bracket near said standard being provided with a depending end, arms against said depending ends, fastening means extending through said depending ends and arms, whereby the arms are pivotally mounted upon said brackets, and means engaging said brackets and said arms and exerting at all times pressure upon said arms for causing the same to engage said standard.

2,118,152
METHOD OF MANUFACTURING MOISTURE AND MOISTURE VAPORPROOF PAPERS
William H. Bryce, Memphis, Tenn., assignor to Dixie Wax Paper Company, Dallas, Tex., a corporation of Texas
Application May 8, 1935, Serial No. 20,479
5 Claims. (Cl. 91—68)



1. The process of preparing moisture vapor proof paper which comprises coating one side of said paper with wax, coating the opposite side of said paper with wax only along opposite edges and coating said paper with resinous material between said last mentioned wax coatings.

2,118,153
INTERNAL COMBUSTION ENGINE WITH AUXILIARY PISTON
Henri Buchwalder, Geneva, Switzerland, assignor of one-half to Lirsa Societe Anonyme, Geneva, Switzerland, a joint-stock company of Switzerland
Application April 19, 1937, Serial No. 137,861
In Switzerland May 6, 1936
9 Claims. (Cl. 123—78)



1. In an internal combustion engine, the combination with a cylinder having spaced intake and exhaust ports of main and auxiliary pistons adapted to move in said cylinder in relation to said ports and to each other, and mechanism operatively connecting said main and auxiliary pistons, said mechanism comprising a crankshaft, a connecting rod between said crankshaft and said piston, a tumbler pivotally mounted intermediate its ends, a link connecting one end of said tumbler to said slide, a crank disc, means operatively connecting said crank disc to said crankshaft, a link connecting said crank disc to the other end of said tumbler, and means for connecting said crank disc to the pivotal point of said tumbler, the arrangement being such that the pivotal point of the tumbler is subjected to an oscillatory variation of the same frequency as the to and fro movement of the piston, so as to vary the distance between the said pivotal point and the axis of the crankshaft.

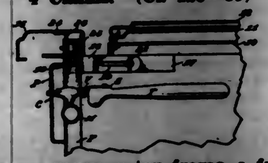


2,118,154
DISPENSING DEVICE
William L. Buedingen, Irondequoit, N. Y.
Application December 19, 1934, Serial No. 758,277
10 Claims. (Cl. 221—78)



1. In a dispensing device, the combination of a hollow container, a plunger adapted to travel along in said container, a flexible tape connected at one end centrally to said plunger, said tape being bent around the end of the container at one side thereof, means for holding the free end of said tape in line with the outside of the container, and means for imparting a step by step movement in one direction to the free end of the tape, thereby causing the other end of the tape with the plunger to move through the container in the opposite direction.

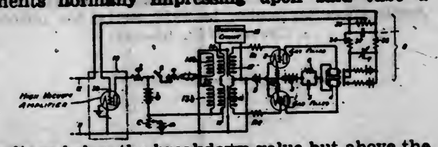
2,118,155
GAS RANGE
Elwood S. Burch and Frank J. Freeland, Dowagiac, Mich., assignors to Round Oak Company, Dowagiac, Mich., a corporation of Michigan
Application August 28, 1935, Serial No. 38,267
4 Claims. (Cl. 126—39)



1. In a gas range, a top frame, a front frame in spaced relation to said top frame, a plurality of burners, mixing valves for said burners alined with the space between said frames, a grate supported on said top frame, a rail having an upper surface substantially coplanar with the upper surface of said grate, and means for supporting said rail for horizontal movement toward and from said grate for closing and opening said space, said means comprising a pair of bars extending across said space and connected to said frames, a pair of horizontally slotted lugs on said rail for sliding engagement with said bars, thumb screws supported by said bars, and extending through said slots, and lugs on said front frame for supporting and guiding said rail.

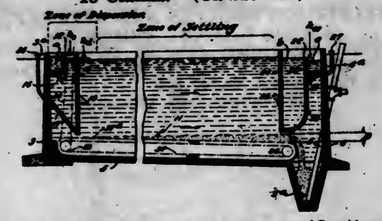
2,118,156
IMPULSE OPERATED SYSTEM EMPLOYING GLOW DISCHARGE TUBES
Everett T. Burton, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 21, 1936, Serial No. 454,311
43 Claims. (Cl. 178—69)

1. A signal impulse amplifier having means for correcting zero wander, said means comprising a reentrant circuit extending from the output circuit of said amplifier to the input circuit thereof, characterized in this, that at least one glow discharge tube with an input circuit control element is included in said means with an input circuit for said tube comprising impedance elements normally impressing upon said tube a



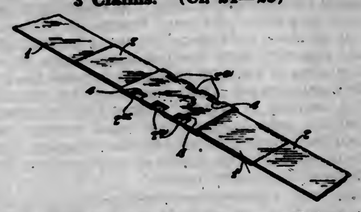
voltage below the breakdown value but above the breakdown value upon the receipt of changes in current due to zero wander, and means for applying a correcting voltage through said reentrant circuit upon the breakdown of said tube.

2,118,157
APPARATUS FOR PURIFYING LIQUIDS
Thomas R. Camp, Newton, Mass., assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application December 24, 1934, Serial No. 758,920
18 Claims. (Cl. 210—55)



1. Apparatus for use in the purification of liquid containing suspended matter, said apparatus comprising in combination a settling tank through which the liquid flows slowly, in a substantially horizontal direction in a stream whose depth is substantially less than its width, from one end of the tank toward the other, said tank having a moving floor, and means for moving said floor always in the direction of fluid flow thereby to reduce frictional resistance and prevent the formation of eddies in the liquid.

2,118,158
FASTENER
Clarence O. Carlson, East Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application December 29, 1933, Serial No. 704,561
3 Claims. (Cl. 24—23)



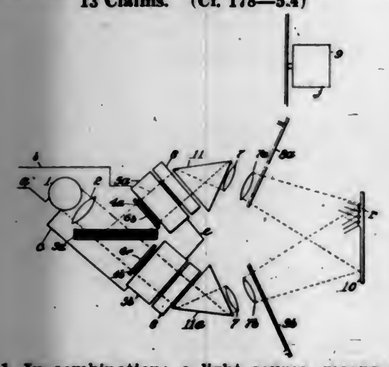
1. A box or package tie including a flat metallic band with lapped end portions and a seal formed of a strip of material having an aperture spaced back from one end of the strip leaving the material unbroken at the extreme end, the seal strip being folded around the lapped portions of the band with said aperture positioned to expose the band surface adjacent its margin, and said exposed portion of the band being severed and offset to interlock positively with the edge of said aperture of the seal.

2,118,159
**COMBINATION CAN PUNCH AND CAP LIFTER**
William H. Castner, Spokane, Wash.
Application September 14, 1936, Serial No. 100,583
1 Claim. (Cl. 65—46)



An integral tool comprising a flat, headed shank having a transversely extending bend forming a lateral fulcrum, a lateral tongue struck from the free end of the shank on the same side of the shank as the fulcrum, and an angular flange at the free edge of the tongue extending transversely of the shank.

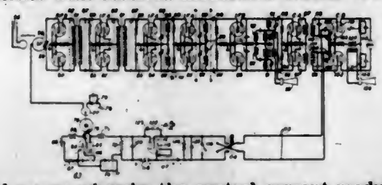
2,118,160
**TELEVISION PROCESS AND APPARATUS**
Aloysius J. Cawley, Pittston, Pa.
Original application June 3, 1930, Serial No. 459,368. Divided and this application October 25, 1935, Serial No. 47,483
13 Claims. (Cl. 178—5.4)



1. In combination: a light source, means for producing a beam of parallel rays from said light source, polarizing means for converting said beam into two beams of plane polarized light having their light polarizing planes at different angles and said beams having different directions, means for extinguishing the said beams at certain positions of their polarizing planes, electromagnetic means coacting with each of said beams to rotate their planes to various positions beyond the points of extinguishment when traversed by an image-varied current, a screen, means for superposedly projecting said beams upon said screen, means for consecutively permitting the passage of said light to consecutive areas of said screen to reproduce a television image.

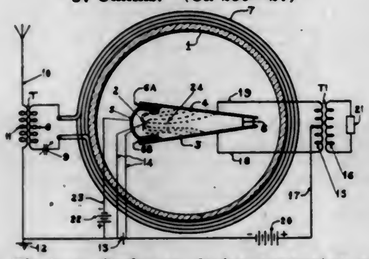
2,118,161
**RECEIVING SYSTEM FOR FREQUENCY MODULATED WAVES**
Joseph G. Chaffee, Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 24, 1935, Serial No. 56,017
9 Claims. (Cl. 250—9)

6. In combination, a source of ultra high frequency carrier waves, means for simultaneously modulating the frequency of the waves in accordance with messages and frequency control current, a receiver for receiving the frequency modulated carrier waves, a local oscillator associated with the receiver to produce oscillations to interact with received modulated carrier waves,



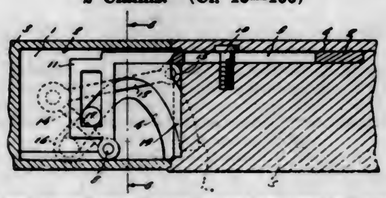
and means whereby the control current modulation of the incoming waves is utilized to cause the frequency of the local oscillator to vary in a manner and magnitude corresponding approximately to that of the central frequency of the received frequency modulated carrier waves.

2,118,162
**ELECTRICAL DISCHARGE APPARATUS**
Robert R. Chamberlin, Washington, D. C.
Application February 13, 1934, Serial No. 711,075
Renewed September 25, 1936
37 Claims. (Cl. 250—27)



1. Electron discharge device apparatus comprising an evacuated vessel, containing a cathode having a linear extension, a pair of positively charged anode plates disposed so as to form a narrow tapering channel for the stream of electrons emanating from the said cathode, a coil surrounding said anode plates, a deflector of electrons partially surrounding said cathode and closing the opening between said plates at the wider end of said channel and said plates being substantially in contact at the narrower end of the channel, and insulating means between the adjacent surfaces of the deflector and the plates at said wider end of the channel, and the surfaces of the plates at the narrower end.

2,118,163
**HINGE**
Hamilton J. Chapoton, Utica, Mich.
Application October 15, 1936, Serial No. 105,762
Renewed October 11, 1937
2 Claims. (Cl. 16—166)



1. A door hinge comprising a supporting member pivotally mounted on a casing and slidably connected to a door, a plate mounted on the casing and having a cam slot therein, a toggle pivotally connected at one end to the casing and at its other end to the door, and a crank member operable in the cam slot and operatively connected to the toggle and the supporting member, said crank member constituting means for connecting the toggle to the supporting member for actuation thereby for shifting the door on said supporting member when said door is opened or closed.



2,118,164
**RACKET STRING**
Fayette D. Chittenden and Harvey Manchester, Providence, R. I., assignors to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application August 25, 1937, Serial No. 160,788
4 Claims. (Cl. 117—57)



1. A resilient racket string strong enough to be strung as tight as a high grade gut string of similar size, comprising a tensioned rubber core, a strong outer cover therefor formed of a number of cords uniformly arranged about the core as an axis and tightly wrapped helically about the core at a sufficiently small angle to the length of the core to hold the core stretched and under circumferential compression when the racket string is tensioned, and an adhesive binder bonding the cords to one another and to the core.

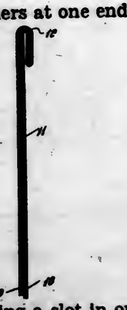
2,118,165
**SELF-INFLATING LIFE PRESERVER**
Edward T. Christopher and Hugh E. Murray, Denver, Colo., assignors to The Lifegard Co., Inc., a corporation of Colorado
Application June 15, 1936, Serial No. 85,247
3 Claims. (Cl. 9—19)



1. A self-inflating life preserver comprising: a flexible envelope; a hollow receiving member secured to the inner wall of said envelope and provided with an expansion chamber; a container for fluid under pressure; a plug projecting from said container; a breakable tip projecting from said plug; and means on said receiving member for gripping said plug so that said tip will extend into said expansion chamber, there being a port for the release of gas from said chamber into said envelope.

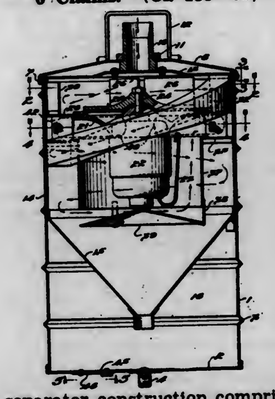
2,118,166
**SHOOTING STREAMERS**
Wesley C. Clark, Minneapolis, Minn.
Application March 25, 1937, Serial No. 133,084
5 Claims. (Cl. 46—74)

1. A device of the class described having a plurality of streamers, a metallic strand connected to said streamers at one end of the latter,



and said strand having a slot in one edge thereof for the purpose specified.

2,118,167
**SEPARATOR**
Kirke W. Connor, Detroit, Mich., assignor to Micromatic Hone Corporation, a corporation of Michigan
Application December 12, 1935, Serial No. 54,097
6 Claims. (Cl. 183—92)

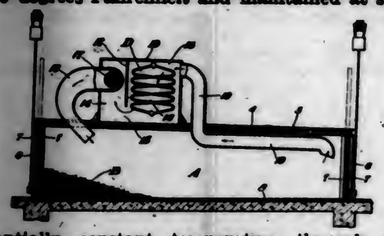


6. A separator construction comprising a casing, a partition member adjacent the upper end of said casing serving to define a blower chamber in the upper end thereof, a cylindrical baffle member coaxially disposed with respect to said casing internally thereof spaced from the walls of said casing, an annular partition member interconnecting said cylindrical member with the walls of said casing thereby to provide an outlet chamber immediately beneath said blower chamber and a helically disposed discharge conduit establishing communication between the peripheral wall of said blower chamber and the space between said cylindrical element and said casing whereby air discharged from said blower chamber may pass helically downwardly through said conduit and thence upwardly through the interior of said cylindrical member into said outlet chamber.

2,118,168
**METHOD OF TREATING RODS AND WIRE**
Robert E. Cramer, Pittsburgh, Pa.
Application April 18, 1930, Serial No. 445,411
5 Claims. (Cl. 148—4)

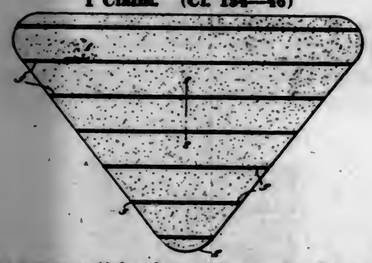
1. The method of treating rods and wire to remove brittleness caused by occluded hydrogen which consists in enclosing the rods or wire in a chamber, and circulating air heated to at least

200 degrees Fahrenheit and maintained at sub-



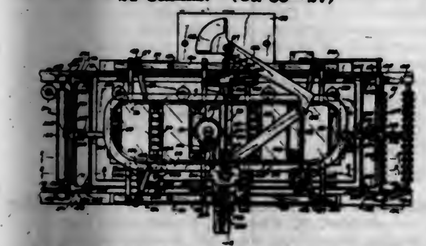
stantially constant temperature through the chamber.

2,118,169
**DIAPER PAD**
Eugene D. Crouse, Washington, D. C.
Application August 2, 1935, Serial No. 34,435
Renewed April 9, 1938
1 Claim. (Cl. 154—46)



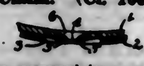
As a new article of manufacture, a diaper pad comprising a laminated sheet of absorbent material and a sheet of moisture resisting material mounted on said laminated sheet, said pad having spaced, parallel grooves pressed into one side thereof and including correspondingly positioned outwardly pressed ribs on its other side, said sheet further including corrugations pressed transversely into the grooves and ribs and extending from side to side thereof, said pressed grooves, ribs and transverse corrugations providing means for uniting the sheets by the natural cohesion of the material from which they are formed, the corrugations in the grooves providing transverse channels in the bottoms of said grooves.

2,118,170
**CUTTING MACHINE**
Joseph P. Crowley and Conrad B. Schafer, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 6, 1936, Serial No. 94,566
24 Claims. (Cl. 33—27)



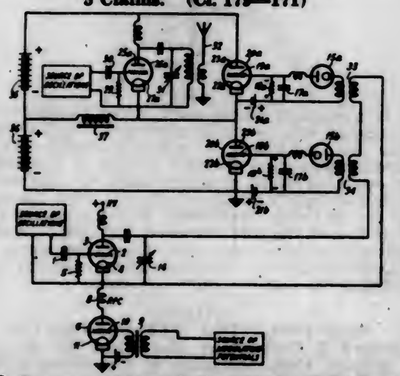
1. In a sheet glass cutting machine, means for supporting the sheet to be cut, a cutting unit including a cutting element engaging the sheet and movable through a predetermined closed path, and a second cutting unit including a cutting element also engaging the sheet and movable along a substantially straight path which intersects the closed path of the first cutting element at two opposed points.

2,118,171
**WELL SCREEN**
George W. Darst, San Jose, Calif.
Application November 24, 1936, Serial No. 112,521
1 Claim. (Cl. 166—5)



A well screen comprising, a tubular member having slots disposed longitudinally thereof and punched outwardly from its inner side to form bosses on its outer surface, and a second tubular member overlying and encompassing the first member and having orifices formed therein encompassing said bosses.

2,118,172
**MODULATED CARRIER WAVE TRANSMITTER**
William Theodore Ditcham, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application April 15, 1936, Serial No. 74,401
In Great Britain April 10, 1935
5 Claims. (Cl. 179—171)



2. In means for producing substantially linear modulations on carrier wave energy characteristic of a wide band of signalling potentials, a low power carrier wave amplifier stage including an electron discharge device having input electrodes on which said carrier wave energy may be impressed and output electrodes from which modulated carrier wave energy may be derived, means for impressing modulating potentials characteristic of said wide band signalling potentials on the electrodes of said device to modulate therein said carrier wave energy, a high power carrier wave amplifier tube having input electrodes coupled to a source of oscillations of carrier wave frequency, and having output electrodes coupled to a utilization circuit, a modulator tube, a source of direct current potential, a modulation potential circuit connecting the impedance of said modulator tube in series with the impedance between the output electrodes of said high power amplifier tube and with said source of direct current potential, said modulator tube having input electrodes, a rectifier having input electrodes coupled to the output electrodes of said device of said low power amplifier stage, and a circuit coupling the output electrodes of said rectifier to the input electrodes of said modulator tube.



2,118,173
**ISEIKONIC SPECTACLES AND THEIR MANUFACTURE**
Arthur F. Dittmer, Hanover, N. H., assignor to Trustees of Dartmouth College, Hanover, N. H., a corporation of New Hampshire
Application October 18, 1934, Serial No. 748,788
16 Claims. (Cl. 88—54)

1. Spectacles for correcting eikonic defects comprising frames, and eyeglasses whose surfaces are symmetric to the principal meridians of their respective eyes and which are associated with dioptric and eikonic defects of said eyes in the principal and eikonic meridians thereof as determined by ophthalmo-eikonometric tests, by substantially fulfilling the conditions

$$[g]\,{}^{m}_{spec}R = [g]\,{}^{m}_{test}R \qquad 1'$$

$$[g]\,{}^{n}_{spec}L = [g]\,{}^{n}_{test}L \qquad 2'$$

$$[g]\,{}^{m+90°}_{spec}R = [g]\,{}^{m+90°}_{test}R \qquad 3'$$

$$[g]\,{}^{n+90°}_{spec}L = [g]\,{}^{n+90°}_{test}L \qquad 4'$$

$$\frac{[M]\,{}^{90°}_{spec}R}{[M]\,{}^{90°}_{spec}L} = \frac{[M]\,{}^{90°}_{test}R}{[M]\,{}^{90°}_{test}L} \qquad 5'$$

$$\frac{[M]\,{}^{180°}_{spec}R}{[M]\,{}^{180°}_{spec}L} = \frac{[M]\,{}^{180°}_{test}R}{[M]\,{}^{180°}_{test}L} \qquad 6'$$

$$\frac{[M]\,{}^{45°}_{spec}R}{[M]\,{}^{45°}_{spec}L} = \frac{[M]\,{}^{45°}_{test}R}{[M]\,{}^{45°}_{test}L} \qquad 7'$$

$$\frac{[M]\,{}^{135°}_{spec}R}{[M]\,{}^{135°}_{spec}L} = \frac{[M]\,{}^{135°}_{test}R}{[M]\,{}^{135°}_{test}L} \qquad 8'$$

$$[A]\,{}^{180°}_{spec}R - [A]\,{}^{180°}_{spec}L = [A]\,{}^{180°}_{test}R - [A]\,{}^{180°}_{test}L \qquad 9'$$

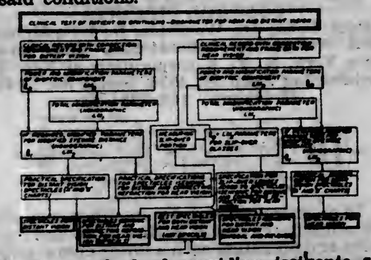
$$[A]\,{}^{45°}_{spec}R - [A]\,{}^{45°}_{spec}L = [A]\,{}^{45°}_{test}R - [A]\,{}^{45°}_{test}L \qquad 10'$$

$$[A]\,{}^{90°}_{spec}R - [A]\,{}^{90°}_{spec}L = [A]\,{}^{90°}_{test}R - [A]\,{}^{90°}_{test}L \qquad 11'$$

$$A]\,{}^{135°}_{spec}R - [A]\,{}^{135°}_{spec}L = [A]\,{}^{135°}_{test}R - [A]\,{}^{135°}_{test}L \qquad 12'$$

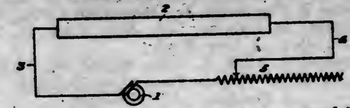
(I: 1′–4′; IIa: 5′–8′; IIb: 9′–12′)

where $g$ is the reciprocal of the image distance from a point of reference, M is the angular magnification referred to said point and A is the angle between the image of an object line and a reference meridian through said point and the object line, where the letters R and L designate values for the right and left eyes, respectively, and where the superscripts denote visual meridians and the subscripts the spectacle and test corrections, respectively, said eyeglasses being fitted in said frames at predetermined distances of the eyewires from the eyes, at which they fulfill said conditions.



15. The method of providing iseikonic spectacles fulfilling the conditions of having substantially the powers of dioptric test corrections referred to principal meridians, of having substantially the magnification ratios of said dioptric test corrections and of eikonic test corrections referred to eikonic meridians, and of forming images of the eikonic meridians having substantially the angular relationships of predetermined test values, which method comprises the plotting of two parameter ellipses, whose centrum vectors represent magnifications in ocular meridians at the vector angles, as straight lines in Cartesian systems with logarithmical magnification coordinates over vector angle coordinates and with the axes at the angles of corresponding principal meridians, said ellipses being selected to have in the eikonic meridians of the respective eyes magnification ratios, appearing in said systems as straight distances, substantially corresponding to the combined magnification ratios of said test corrections, finding the angle deviations inherent in the magnifications in said principal meridians by superposing upon said parameter ellipses an iso deviation representation indicating for any point of a parameter ellipse the angle deviation caused at the meridian of said point by the magnification represented by said ellipse, correcting for the eikonic meridians said inherent deviations approximately to correspond to said test values by changing the slope of said straight lines by substantially maintaining said ratios to obtain optimum compliance with said conditions, reading the principal axes of the corrected parameter ellipses as magnification parameters, making lenses with surfaces symmetrical to perpendicular meridians and producing in said perpendicular meridians the optical effects defined by said corrected parameter ellipses and fastening said lenses in frames securing the substantial coincidence of corresponding perpendicular lens and principal meridians.

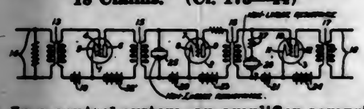
2,118,174
**PROCESS OF DEMAGNETIZING**
Foster B. Doane, Pittsburgh, Pa., assignor to Magnaflux Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 21, 1935, Serial No. 27,757
5 Claims. (Cl. 175—181)



1. The process of demagnetizing an object of

magnetic material, which consists in passing an alternating electric current directly through the object, and gradually reducing the strength of the current to substantially zero.

2,118,175
**CONTROL CIRCUITS**
Stephen Doba, Jr., Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 20, 1935, Serial No. 17,427
18 Claims. (Cl. 178—44)



3. In a control system, an amplifier comprising a space discharge device having input and output circuits and operating with a linear characteristic, and distorting means comprising an element free from bias and composed of silicon carbide crystals and a binder material connected across the input circuit of said device to obtain an instantaneous voltage output from the device which is proportioned to the logarithm of the instantaneous voltage input to the device.

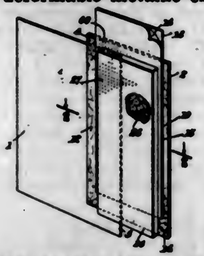
2,118,176
**WALL WASHER**
William J. Dunlap, Long Beach, Calif.
Application September 30, 1936, Serial No. 103,343
3 Claims. (Cl. 166—20)



1. A wall washer comprising a tube attachable to a deep well pump, there being laterally directed openings formed in the tube, a downwardly closing check valve closing the bottom of said tube, there being an inner tube within said tube leading to the bottom of the pump and extending downwardly toward said check valve to a point beneath said laterally directed openings whereby upon downward strokes of the plunger of the pump a portion of the fluid elevated may return downwardly through the inner tube and be discharged in sprays laterally from said tube against the walls of the formation.

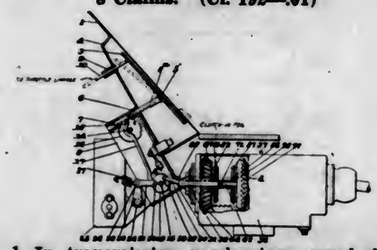
2,118,177
**PERMANENT WAVING DEVICE**
Hebart N. Durham, Munsey Park, N. Y., and George B. Finnegan, Jr., Mountain Lakes, N. J., assignors to Eugene, Ltd., New York, N. Y., a corporation of New York
Application April 3, 1935, Serial No. 14,406
In Great Britain December 17, 1934
5 Claims. (Cl. 219—24)

2. A multi-ply electrolytic heating device and lotion applicator for permanent waving having an outer ply comprising a flexible, deformable metallic electrode, an absorbent layer having one face in contact with the outer electrode, an inner, flexible, deformable metallic electrode con-



tacting with the opposite face of said absorbent layer and a second absorbent layer contacting with the inner face of said inner electrode, and fastening means holding the plies together whereby said multi-ply device can be moistened and applied to a curl as a unit.

2,118,178
**TRANSMISSION MECHANISM**
Rollie R. Eastin, Port Huron, Mich., assignor of five percent to Jesse C. Castator and Loretta Castator, ten percent to Walter Burns, ten percent to Robert A. Gray, Jr., ten percent to William Burns, and fourteen percent to Reginald Smith, all of Port Huron, Mich.
Original application March 31, 1936, Serial No. 71,915. Divided and this application November 3, 1936, Serial No. 109,045
8 Claims. (Cl. 192—.01)



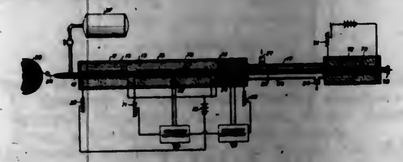
1. In transmission mechanism, speed-change gears and locking means to lock a selected gear to a driven shaft, means which is subject to a clutch operating means for neutralizing all of the locking means when said clutch operating means is in a clutch-out position, said clutch operating means including a pedal, a vehicle foot-board having a pocket occupied by the pedal and in which the pedal is movable, and an accelerator rod extending into the pocket and capable of actuation by the pedal simultaneously as said pedal controls the clutch operating means.

2,118,179
**TELEGRAPHONE**
William C. Ellis, Lynbrook, N. Y., and Earl S. Greiner, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 27, 1936, Serial No. 71,128
2 Claims. (Cl. 148—16)

1. The method of heat treating telegraphone record members which comprises drawing the member through an inert atmosphere of high

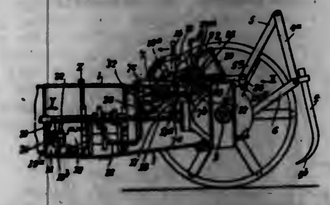


temperature into and through an inert atmosphere of lower temperature, recording a signal on the member as it emerges from the atmosphere of lower temperature, reproducing the sig-



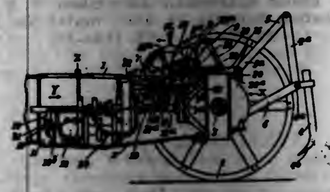
nal and adjusting the temperature of the high temperature atmosphere in accordance with the level of the reproduced signal to produce a member of the desired volume range.

2,118,180
**TRACTOR FOR AGRICULTURAL IMPLEMENTS**
Henry George Ferguson, Belfast, Northern Ireland
Application January 27, 1937, Serial No. 122,609
In Great Britain February 5, 1936
20 Claims. (Cl. 97—50)



1. A tractor having means for the attachment of an agricultural implement and a pressure-fluid control unit, including a pump, for raising and lowering the implement with reference to the tractor and valve means on the suction side of said pump whereby the operation of the unit is effected by controlling the admission of operating fluid to the pump.

2,118,181
**TRACTOR FOR AGRICULTURAL IMPLEMENTS**
Henry George Ferguson, Belfast, Northern Ireland
Application January 27, 1937, Serial No. 122,610
In Great Britain February 5, 1936
13 Claims. (Cl. 97—50)

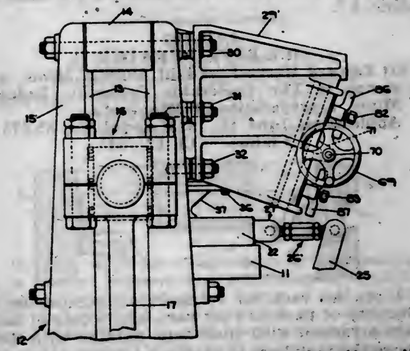


1. In a tractor having means for the attachment of an agricultural implement and a power-operated control unit for moving said implement up and down with reference to the tractor; means for manually controlling said unit, and means automatically rendered operable by the imple-



ment for putting said unit out of effective operation when there is an excess of draft on the implement.

2,118,182
**VIBRATORY FEEDING APPARATUS**
James A. Flint, Columbus, Ohio, assignor to The Traylor Vibrator Company, a corporation of Colorado
Application June 21, 1935, Serial No. 27,755
12 Claims. (Cl. 18—30)



1. In feeding apparatus, the combination with a reciprocable charging device having an opening therein, of a hopper, a discharge chute for delivering material from said hopper to said opening in the charging device, a table for slidably supporting said charging device in position to have contact with the bottom of said chute when the latter is above said opening, means for resiliently supporting said entire hopper from said table for up and down vibration to cause the hopper and chute to exert a series of hammer blows on top of said charging device while the opening in the latter is under said discharge chute thereby effecting complete filling and packing of material in said opening, and vibratory motor means for effecting such up and down vibration.

2,118,183
**APPARATUS FOR USE IN TREATING GLASS SHEETS**
Ival G. Fowler, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 24, 1934, Serial No. 758,982
2 Claims. (Cl. 294—64)
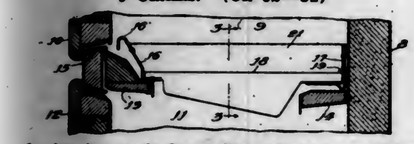


1. Apparatus for supporting a glass sheet in a vertical position during tempering, including means comprising a header provided with spaced flanges to define a slot therebetween, means carried by said flanges and engaging the upper edge of the glass sheet, and means connected with said header affording communication with a vacuum producing means for creating a suction within the header acting upon the sheet to hold the same in engagement with said sheet edge engaging means.

2,118,184
**CARBONATED COFFEE BEVERAGES**
Douglas Fronmuller, Middle Village, and Frank M. Boyles, Brooklyn, N. Y., assignors to Coffee Products Corporation, New York, N. Y., a corporation of New York
No Drawing. Application October 25, 1935, Serial No. 46,738
5 Claims. (Cl. 99—65)

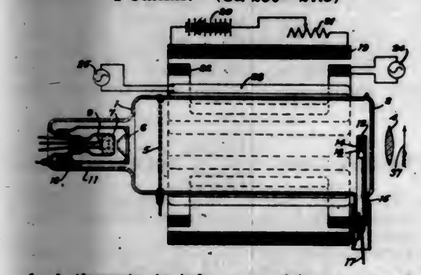
2. A liquid coffee concentrate having a small amount of disodium phosphate incorporated therein to give to the concentrate a pH value of about 5.7.

2,118,185
**ICE REFRIGERATOR**
Carl Edward Harry Frykdahl, Duluth, Minn., assignor to The Coolerator Company, Duluth, Minn., a corporation of Minnesota
Application June 18, 1936, Serial No. 85,875
9 Claims. (Cl. 62—31)



1. An ice rack for refrigerators comprising a plurality of parallel rack bars, and a pair of skid bars arranged with their tops parallel with and above the rack bars to receive and support a cake of ice.

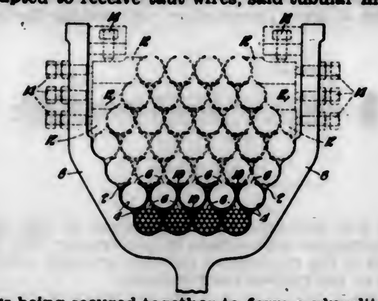
2,118,186
**IMAGE RECEIVING TUBE**
Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California
Application July 15, 1935, Serial No. 31,410
4 Claims. (Cl. 250—27.5)



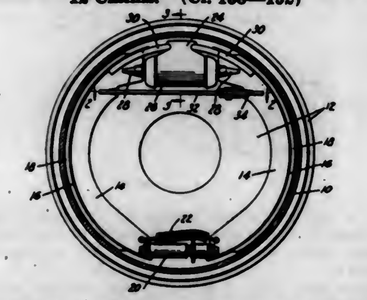
1. A thermionic tube comprising an envelope containing means for producing an electron stream of picture area size and uniform cross-sectional density, an anode, a shield around said anode and having an aperture of elemental area in said stream, and an apertured grid of picture area size positioned between said electron producing means and said anode, said grid having a photoelectric mosaic on the surface facing said anode and a continuously conductive photoelectric surface on the opposite face thereof.

2,118,187
**STRAND FORMER FOR PARALLEL WIRE CABLES**
David S. Fine, New York, N. Y.
Application February 16, 1937, Serial No. 126,054
6 Claims. (Cl. 14—22)

1. Strand formers for parallel wire cables comprising tubular members having straight longitudinally directed apertures in the walls thereof, the bores of said tubular members being of the cross-sections desired in strands and being adapted to receive taut wires, said tubular members being secured together to form a plurality of units the tubular members of which are in the same plane.



2,118,188
**BRAKE**
David L. Gallup, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application March 30, 1936, Serial No. 71,594
12 Claims. (Cl. 188—152)



1. A brake comprising a backing plate having mounted thereon a pair of connected shoes formed with rims and with stiffening webs terminating short of the ends of the rims at the unconnected ends of the shoes, and means stationarily mounted on the backing plate between said unconnected ends and engaged by the ends of said rims and taking the anchoring torque directly from one or the other of said rims, said means positioning the anchored rim or rims radially.

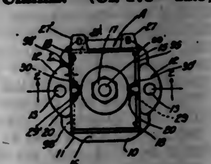
2,118,189
**NEST DOOR**
Elmer J. German, Interlaken, N. Y.
Application January 19, 1937, Serial No. 121,257
12 Claims. (Cl. 119—49)



1. A nest door comprising a plate, a pair of pivots extending horizontally from opposite edges of the plate at either side of the horizontal median of said plate, and a pair of frames each having a V-shaped portion engaged by said pivots whereby said plate is supported in either of two inclined positions.

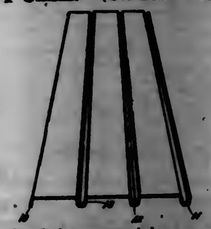


2,118,190
**VARIABLE CONDENSER**
Frank W. Godsey, Jr., North Adams, and Robert C. Sprague, Williamstown, Mass., assignors to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts
Application September 3, 1935, Serial No. 39,020
2 Claims. (Cl. 175—41.5)



1. In an adjustable condenser, a base of insulating material provided with a lateral recess open at the ends, each side wall of said recess being provided with an inwardly-projecting rib, a condenser plate provided on one side edge with a small notch and on its opposite edge with a larger notch, said plate being disposed in said recess with the larger notch clearing one of said ribs and with the corresponding edge in contact with the side wall, the opposite edge of the plate being spacedly located from the opposite side wall with the small notch fittingly engaging the corresponding rib.

2,118,191
**ROOF DECKING**
William M. Goldsmith, Cincinnati, Ohio
Application June 2, 1936, Serial No. 83,325
1 Claim. (Cl. 108—13)



A rook deck plate comprising a sheet of metal formed to provide a series of spaced channel-like ribs extending across it, the width of the ribs tapering uniformly from one end to the other, the walls of the ribs converging toward one another from the open top to the closed bottom portions of the ribs, and the depth of each rib being uniform throughout the length of the rib.

2,118,192
**MIXTURES OF DYESTUFFS**
Robert Grether, Wilhelmsbad, near Hanau-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 16, 1936, Serial No. 90,893. In Germany August 6, 1935
4 Claims. (Cl. 8—6)

1. Mixtures of dyestuffs comprising dyestuffs of at least one member of the group consisting of the dibenzanthrone and isodibenzanthrone series, and of dyestuffs of a member of the group consisting of alkaline condensation products of 1-(Bz1-benzanthronylamino)-acylaminoanthraquinones and of alkaline condensation products of polyanthraquinonylaminobenzanthrones, containing one anthraquinonyl radicle in the Bz1-position, which mixtures yield on dyeing and printing vegetable fibers therewith full black shades of an excellent fastness, particularly to washing and boiling sodium carbonate solutions, and to an increased degree to light.

2,118,193
**BUILDING CONSTRUCTION**
Heinrich Griesel, Berlin, Germany
Application February 18, 1935, Serial No. 7,135
In Germany August 18, 1933
14 Claims. (Cl. 72—65)



10. In a building construction in which there is a flanged support and an abutment member adapted to be placed on the flange of said support with its lower end, and in which said abutment member has a slot in such lower end and a diagonal surface at its upper end; an inclined face extending from the lower end of said diagonal surface as far as the lower end of said abutment member.

2,118,194
**SPRAY GUN**
Ormand Hukari, Hood River, Oreg.
Application September 26, 1935, Serial No. 42,268
5 Claims. (Cl. 299—111)
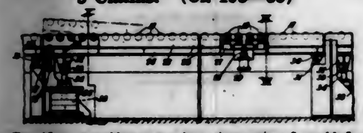


1. A spray gun comprising a cylindrical barrel, a body element threadably secured to the cylindrical barrel, a female pipe connection disposed at one side of the body element and an opening disposed through the connection communicating with the interior of the body element, a collar secured to one end of the cylindrical barrel and at the opposite end to which the body element is attached, a head adjustably and threadably secured to the collar, a nipple removably secured to the outer end of the head, a shoulder disposed upon the inner end of the nipple, a spraying apertured disc normally resting upon the shoulder disposed within the nipple and a compressible

gasket disposed between the apertured disc and the outer end of the head, a stem extending longitudinally of the cylindrical barrel, an adjusting handle secured to the outer end of the stem, an adjustable pointed head secured to the opposite end of the stem, said pointed head having slits disposed spirally of the outer surface thereof and terminating short of the end, said pointed head when moved in one direction engaging the head and stopping the flow of fluid therethrough and said pointed head constructed for engagement with the collar secured to the cylindrical barrel when moved in the opposite direction to stop the flow of fluid through the head.

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**2,118,195**
**CONVEYING APPARATUS**
**Harry G. Hague, Gary, Ind.**
**Application August 12, 1936, Serial No. 95,654**
**5 Claims. (Cl. 193—35)**



1. In the continuous treatment of articles cut into predetermined lengths, means for conveying said articles to a piler and one or more conveyor units adapted to transfer said piled articles to a discharge platform, said conveyor units including non-driven freely rotating rollers adapted to transfer said piled articles to adjoining units, said conveyor units including means for raising the end of said units out of their normal horizontal plane and means adapted to retard movement of said piled articles over said units at any desired point along the line of travel of said material, said retarding means carried by each unit and operable independently of each other and independently of the means for raising the units out of their normal horizontal plane.

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**2,118,196**
**GARMENT ATTACHMENT**
**Hartman K. Harrison, Baltimore, Md.**
**Application July 13, 1936, Serial No. 90,399**
**2 Claims. (Cl. 2—87)**



1. A garment comprising a freely depending skirt like portion, a strip of elastic material including a flat portion secured circumferentially about the inner side of the skirt like portion adjacent to the lower edge thereof, an inflatable tubular portion included in the strip and having an open end, said tubular portion adapted when inflated to hold said lower edge of the skirt like portion outwardly flared, and means for closing the open end.

**2,118,197**
**BLADE SHARPENING MACHINE**
**William Walter Hartman, Los Angeles, Calif.**
**Application November 19, 1937, Serial No. 175,481**
**6 Claims. (Cl. 51—33)**



5. A machine for grinding a sharp-pointed, scalloped, beveled cutting edge on a blade, said machine comprising in combination, fixed supporting means, a rotatably mounted shaft, a grinding wheel mounted on said shaft, shaft-supporting means for supporting said shaft, blade-supporting means for presenting the thin edge of a blade into grinding relation with the periphery of said grinding wheel at an angle for grinding a sharp beveled edge on the thin edge of the blade, means for swinging said shaft-supporting means and said shaft and grinding wheel back and forth in relatively short grinding strokes the length of each such stroke being longer than the length of a scallop on the blade, the last said means including two links each being provided with two pivotal connections, the distance between the two pivotal connections of one link being equal to the distance between the two pivotal connections of the other link, and one of said pivotal connections of each link connecting it with said shaft-supporting means and the other pivotal connection of each link connecting it with said fixed supporting means.

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**2,118,198**
**GLARE SHIELD**
**Edgar F. Hathaway, Wellesley, Mass.**
**Application March 16, 1937, Serial No. 131,171**
**2 Claims. (Cl. 296—97)**



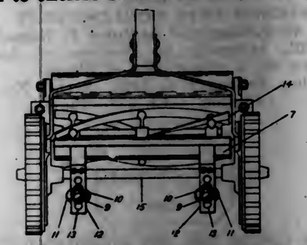
1. In combination with the interior sun vizor for an automobile, a semi-transparent shield at an outer portion of the bottom edge of said vizor and connected thereto for pivotal movement about an axis paralleling said bottom edge, and an opaque shield similarly pivoted at another portion of the vizor bottom in side-by-side relation to said semi-transparent shield and having a substantially central, horizontally-elongated vision aperture, said shields being movable to and from use and non-use positions either independently or together as a unit and having a mutually complementary formation adapting them to cooperate as a substantially uninterrupted shielding element along the bottom of the vizor.

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**2,118,199**
**SHARPENER AND DEVICE FOR HONING LAWN MOWERS**
**Frank Healy, Sandwich, Ontario, Canada**
**Application July 1, 1935, Serial No. 29,291**
**2 Claims. (Cl. 51—250)**

2. In a sharpener for lawn mower blades a horizontal sectional metal body comprising three sections telescoping one within the other forming means for adjustment to predetermined length, each section consisting of a plate with its edges bent over forming a body of flattened cross-section concave on its outer wide surface and having its longitudinal edges in horizontal relation to each other but not meeting, a flexible abrasive element having its abrasive side outward shaped to enclose said metal body adapted to be

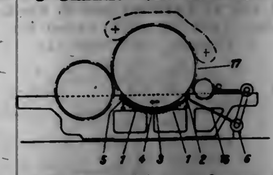




retained by friction means for securing thereto, two narrow metal strips having a series of orifices along their upper outward ends and plain at their lower ends said lower ends providing friction means for attaching the abrasive element positioned around the aforesaid body, and two clamps each having a screw in its upper side passing through a helical spring providing means for attaching the aforesaid metal strips through any determined orifice therein to a support on the mower body.

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**2,118,200**
**GRID FOR CARDING MACHINES**
**Heinrich Otto Hess, Winterthur, Switzerland, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie, Winterthur, Switzerland**
**Application August 22, 1936, Serial No. 97,449**
**In Germany September 5, 1935**
**3 Claims. (Cl. 19—98)**

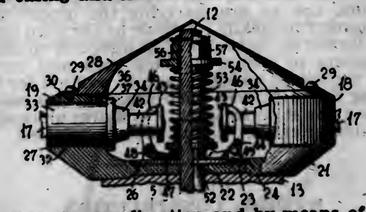


1. In a carding machine, a frame, a grid including supporting rods, means supporting said grid in said frame, said supporting means including electrically non-conducting bushes supporting said rods whereby the grid is rendered electrically non-conductive with respect to the other parts of the machine and the ground, and may, itself, take an electrostatic charge.

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**2,118,201**
**SELF-GOVERNING WINDMILL**
**Harry C. Hood, Great Falls, Mont.**
**Application January 14, 1936, Serial No. 59,127**
**2 Claims. (Cl. 170—63)**

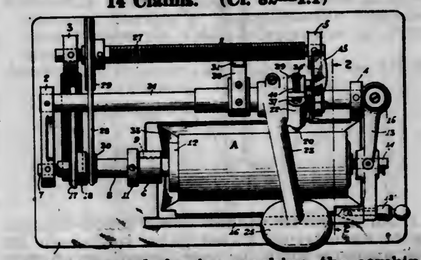
1. In a windwheel, the combination with a rotatable casing of a shaft, a radial bearing within said casing and mounted to revolve with the said shaft, a propeller blade shaft journalled for slidable movement in said bearing, the contour of the bearing surface therefor being polygonal in cross section taken at right angles to the axial line of the bearing and provided with a helical twist lengthwise, a lever within said casing and in engagement with said blade shaft to reflect radial movement thereof, and a spring within said casing and mounted to resist movement of



the lever in one direction and by means of said lever to resist radial outward movement of said blade shaft.

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**2,118,202**
**RECORD SHAVING MACHINE**
**Charles Huenlich, Bloomfield, and Heinrich F. Max Gramann, Orange, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey**
**Application April 3, 1937, Serial No. 134,724**
**14 Claims. (Cl. 82—1.1)**



1. In a record shaving machine, the combination with a rotatable support for a record to be shaved, of a knife bar, and means for setting said bar in operative position relative to a record on said support and for retracting the bar from such position, said means comprising mechanism for locking said bar as an incidental operation to the operative positioning thereof, said mechanism including a device embodying a lost motion connection and adapted to prevent forward movement of the bar prior to its retraction from operative position.

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**2,118,203**
**ALARM CLOCK**
**Helmut Junghans, Sulgen, near Schramberg, Germany**
**Application July 16, 1935, Serial No. 31,705**
**In Germany August 11, 1934**
**2 Claims. (Cl. 58—16)**

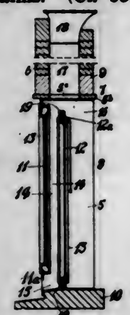


1. Alarm control for clocks, comprising alarm sounding means, a lever movable into and out of

position for stopping movement of the sounding means, an alarm winding stem, a flexible detent capable of retaining the stop lever in operative position, and an arm carrying the detent, said arm being frictionally rotatable by the stem when it is turned in alarm winding direction to cause the detent to release the stop lever and to restore the detent on said arm into position for engaging the stop lever when the stem has ceased turning and it turns slightly in alarm unwinding direction after the winding stem is released.

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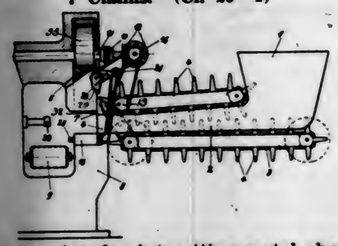
2,118,204
**WINDOW CONSTRUCTION**
Cecil Morton Keevill, Hawthorn, Victoria, Australia
Application October 9, 1936, Serial No. 104,904
In Australia October 9, 1935
4 Claims. (Cl. 98—88)



1. An improved window construction consisting of an external glazed panel having an air inlet aperture along the base thereof, an internal glazed panel spaced from the former panel with an air exhaust aperture along the top thereof in communication with the room to be ventilated, and an upwardly projecting air discharge passage arranged relative to said panels and apertures to cause an up draught of air between said panels to flow past said exhaust aperture to withdraw air from the room.

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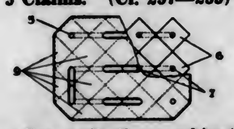
2,118,205
**APPARATUS FOR BRIQUETTING METAL SHAVINGS**
Kurt Klöne, Duesseldorf, Germany
Application January 21, 1936, Serial No. 60,129
In Germany January 25, 1935
7 Claims. (Cl. 29—1)



1. Apparatus for briquetting metal shavings, more particularly woolly tenacious shavings, including a delivery station, a cutting device, a conveyor continuously acting in the same direction for feeding the shavings from the delivery station to the cutting device, said conveyor comprising a shaft tapering toward the cutting device, conveying members included in at least two of the opposite walls of the shaft, said cutting device including two knives one of which is movable with respect to the other, carriers for said knives, and said carriers forming dies for compressing the shavings into packets during the cutting operation.

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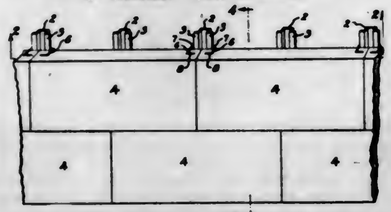
2,118,206
**FINNED TYPE COOLING UNIT**
Richard W. Kritzer and Anthony F. Hoesel, Chicago, Ill., assignors to Peerless of America, Chicago, Ill., a corporation of Illinois
Application February 7, 1935, Serial No. 5,398
5 Claims. (Cl. 257—255)



5. In a cooling unit, the combination of parallel spaced apart refrigerant conduit courses, a multiplicity of substantially rectangular and spaced apart fins mounted upon and individual to a single course, the diagonal lines of the fins being in substantially vertical and horizontal planes, and end means to maintain the spaced apart relationship of the conduit courses, the said end means comprising a plate with slots, through which project the return bends joining adjacent courses of the refrigerant conduit, and the refrigerant conduit having a spirally wound member inserted therein to provide a helical path adjacent the internal wall of the refrigerant conduit.

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2,118,207
**ROOFING CONSTRUCTION**
Jay C. Lathrop, Cincinnati, Ohio, assignor to Lathrop Hoge Gypsum Construction Company, Cincinnati, Ohio, a partnership composed of Jay C. Lathrop and E. Clyde Hoge
Application April 28, 1936, Serial No. 76,801
8 Claims. (Cl. 108—1)



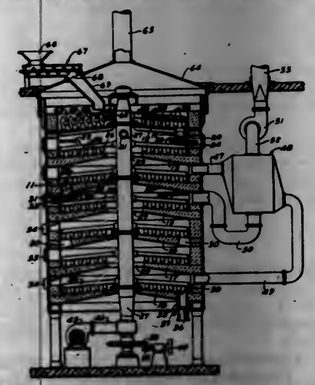
1. A roofing construction comprising a plurality of flanged channels positioned at an angle with the horizontal with their flanges presented upwardly and defining the plane of the pitch, slabs of insulating material laid on said flanges and clips driven into and holding said slabs to said flanges.

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2,118,208
**INCINERATION**
George R. Lewers, Brooklyn, N. Y., assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y., a corporation of New York
Application December 10, 1936, Serial No. 115,109
6 Claims. (Cl. 110—12)

3. In combination with a multiple-hearth furnace having a top with a gas seal through which material is introduced into the furnace, means for breaking up and agitating material on said top and rabbling it to said gas seal for passage therethrough into the furnace, means for blowing heated air over the surface of the material on said top to take up vapors therefrom, and means for conveying away from the furnace the mixture

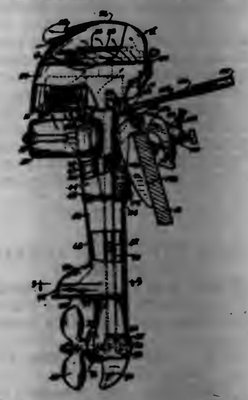




of air and vapors thus formed comprising a hood over the top of the furnace and slightly spaced therefrom at the periphery to permit the admission of outside air to the hood, a flue communicating with the interior of said hood at the upper part thereof, and means including a gas seal in said hood for supplying material to said top.

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2,118,209
**OUTBOARD MOTOR ASSEMBLY**
Owen C. Linthwaite, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application January 16, 1935, Serial No. 2,085
2 Claims. (Cl. 115—18)



1. In an outboard motor, an engine, a propeller, a drive shaft housing comprising upper and lower sections interconnecting the engine and propeller, an exhaust outlet from the engine, means including diverging walls forming a downwardly extending passageway in the upper section, and means including a rearwardly directed under-water exhaust outlet in the lower section of the housing to permit the escape of the expanded gases without heating the engine.

2,118,210
**METHOD AND MEANS FOR INDICATING AND MAINTAINING A COUNT OF STITCHES IN HAND KNITTING**
Nellie F. Luther, Providence, R. I.
Application September 11, 1937, Serial No. 163,490
8 Claims. (Cl. 66—1)



8. A device of the type indicated comprising an element having two opposed loops, said loops having reentrant openings to adapt a knitting needle to be sprung into the openings to retain the element thereon.

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2,118,211
**LIQUID CONGEALING APPARATUS**
Edward H. Lutz, Norwood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 27, 1937, Serial No. 128,064
11 Claims. (Cl. 62—108.5)



1. A removable grid for dividing an ice tray into a plurality of cells for forming ice cubes comprising a single strip of flexible metal bent to form a plurality of vertical transverse walls of double thicknesses of metal, a plurality of vertical longitudinal walls formed of a single thickness of metal connecting adjacent thicknesses of the transverse walls, and a plurality of vertical longitudinal wall members extending between said transverse walls and each comprising two thicknesses of metal bent from said transverse walls and folded adjacent a contiguous transverse wall.

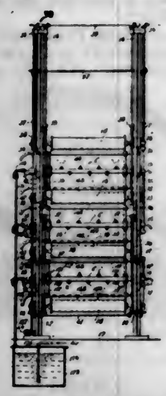
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2,118,212
**PROCESS AND APPARATUS FOR COATING PAPER**
James D. MacLaurin, South Orange, N. J.
Application April 24, 1933, Serial No. 667,676
19 Claims. (Cl. 91—45)

1. In a coating machine, in which a web of sheet material is treated, means for moving the web longitudinally, a plurality of spray nozzles disposed at points spaced transversely of and adjacent the path of movement of said web, means for supplying said nozzles with coating fluid and means for completely rotating said nozzles about an axis extending transversely of the path of movement of said web and substantially parallel to the web surface on the side of the web to which coating is applied.

18. A process of coating paper for printing purposes which comprises discharging liquid coating material under superatmospheric pressure in company with air under superatmospheric pressure in the form of a spray on to the surface of a continuously advancing web of

paper, and discharging jets of air under superatmospheric pressure into the spray as it approaches the web surface to further subdivide and distribute the spray.



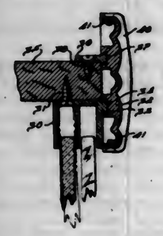
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2,118,213

**STORE FIXTURE**

Herbert Malott, Detroit, Mich., assignor to Detroit Show Case Company, Detroit, Mich., a corporation of Michigan

Application June 12, 1935, Serial No. 26,121
5 Claims. (Cl. 312—138)



3. In a store fixture, the combination with a double channel member having a longitudinal rib extending outwardly therefrom at a right angle to the channels of said member, of a molding provided with a channel into which the rib is fitted, the arrangement being such that when the rib is fitted into the channel the molding member is firmly secured to and covers the outer face of the double channel member.

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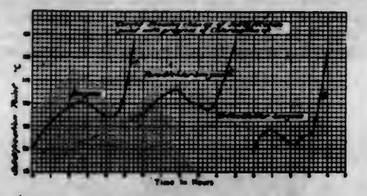
2,118,214

**CHLORINATED BENZENE COMPOUNDS USEFUL AS FILM-STRENGTHENING AGENTS FOR LUBRICANTS AND PROCESS OF PRODUCING THEM**

William J. Marsh and Joseph A. Spina, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, New York, N. Y., a corporation of New York

Application April 27, 1936, Serial No. 76,661
15 Claims. (Cl. 260—161)

1. The process for production of film-strengthening addition agents for lubricants which comprises passing chlorine into benzene under reacting conditions, while observing the solidification-point of the resulting product, until said solidification-point, after having risen to a critical high point, is observed to have fallen again



substantially below said critical high point, thereupon discontinuing the admission of chlorine to said benzene and removing from the product the hydrogen chloride formed by the reaction.

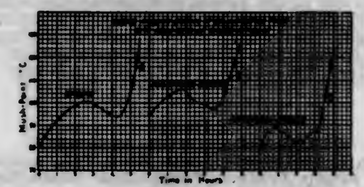
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2,118,215

**LUBRICANT OF HIGH FILM STRENGTH**

William J. Marsh and Joseph A. Spina, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, New York, N. Y., a corporation of New York

Original application April 27, 1936, Serial No. 76,661. Divided and this application March 18, 1937, Serial No. 131,760
10 Claims. (Cl. 87—9)



1. A lubricant composition of high film strength, comprising a major proportion of a mineral lubricating oil and in stable solution therein a minor proportion of a film-strengthening agent such as is produced by passing chlorine into benzene under reacting conditions, while observing the solidification-point of the resulting product, until said solidification-point, after having risen to a critical high point, is observed to have fallen again substantially below said critical high point, thereupon discontinuing the admission of chlorine to said benzene and removing from the product the hydrogen chloride formed by the reaction.

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2,118,216

**HIGH FILM STRENGTH LUBRICANT COMPOSITIONS**

William J. Marsh and Joseph A. Spina, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, New York, N. Y., a corporation of New York

No Drawing. Application June 5, 1936, Serial No. 83,731
9 Claims. (Cl. 87—9)

1. An addition agent of relatively low melting point and high solubility in mineral lubricating oils, which when added to such oils in minor proportion has the property of greatly increasing the oil-film strength thereof, comprising a substantially eutectic mixture of substantially neutral and non-volatile, solid, oil-film strengthening halogenated hydrocarbons of simple carbon ring structure having relatively high melting points and low solubilities in said oils.



2,118,217

**LUBRICANT COMPOSITIONS OF HIGH FILM STRENGTH**

William J. Marsh and Joseph A. Spina, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, New York, N. Y., a corporation of New York

No Drawing. Original application June 5, 1936, Serial No. 83,731. Divided and this application March 18, 1937, Serial No. 131,749
18 Claims. (Cl. 87—9)

1. A lubricant composition of relatively high oil-film strength comprising a major proportion of mineral lubricating oil and in stable solution therein a minor proportion of a substantially eutectic mixture having relatively low melting point and high solubility in said oil and comprising substantially neutral and non-volatile, normally solid, oil-film strengthening halogenated hydrocarbons of simple carbon ring structure having relatively high melting points and low solubilities in said oil.

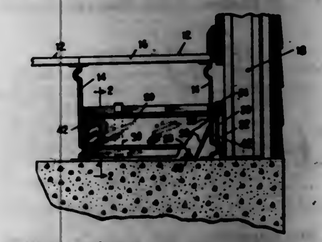
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2,118,218

**BUILDING CONSTRUCTION**

Robert W. McLaughlin, Jr., New York, N. Y., assignor to American Houses, Inc., New York, N. Y., a corporation of Delaware

Application May 5, 1937, Serial No. 140,848
9 Claims. (Cl. 72—101)



1. In a building construction, in combination, a foundation, a plurality of floor-supporting elements other than said foundation, a plurality of wall-supporting elements other than said foundation and interlockingly interconnected with said floor supporting elements, the elements of at least one of said pluralities having affixed thereto means providing a surface spaced from and substantially parallel with the upper surface of said foundation, and strap-like means affixed to said foundation and positioned to engage said surface.

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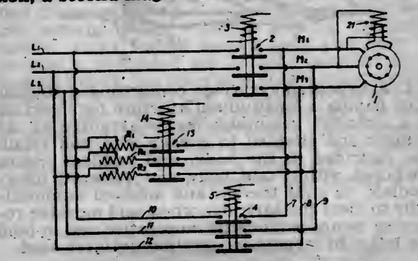
2,118,219

**INDUCTION MOTOR DRIVING AND BRAKING SYSTEM**

James J. Mellon, Cleveland, Ohio, assignor to The Clark Controller Company, Cleveland, Ohio, a corporation of Ohio

Application June 13, 1936, Serial No. 85,973
9 Claims. (Cl. 172—179)

8. In a control system for an induction motor of the type comprising a field winding and adapted to be connected to a load to drive it in one direction and to be overhauled by it in another direction, a source of current, a first magnetic switch operable to connect the field winding of the motor to the source to drive the load, an operable control switch having contacts and cooperating with conductors for operating the first magnetic switch, a first limit switch operable by the motor to establish a holding circuit for the magnetic switch winding after driving of the load has been initiated by the motor and for de-energizing the winding of the first magnetic switch to restore it to stop the motor upon driving of the load through a predetermined distance, the operable control switch having contacts and cooperating conductors for effecting operation of the first magnetic switch to initiate movement of the load by the motor in the overhauling direction, a second magnetic switch for reversely connecting the motor field winding to the source through voltage reducing means to develop torque in the motor yieldingly opposing overhauling movement by the load, a second limit switch operable by the motor having contacts operable after initiation of the overhauling movement and controlling, jointly with other contacts of the operable switch, the winding of the second magnetic switch and arranged to be restored after completion of overhauling movement to de-energize the winding of the second magnetic switch to restore it.



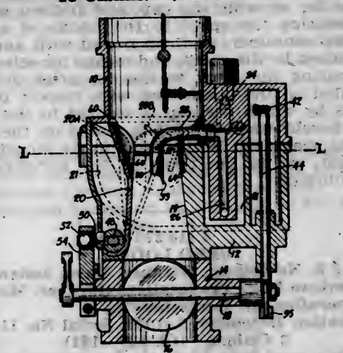
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2,118,220

**CARBURETOR**

Frank C. Mock, Montclair, N. J., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application September 5, 1935, Serial No. 39,225
13 Claims. (Cl. 261—44)



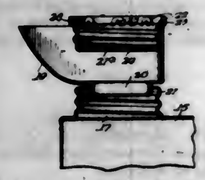
6. In a carburetor, an induction passage including a venturi of variable cross section, a throttle controlling said induction passage, a fuel jet discharging within said venturi, a valve controlling the flow of fuel to said jet, and means becoming operative as the throttle is moved from wide open to closed position to first increase the cross-sectional area of said venturi, then gradually decrease the same to a minimum, and as said cross-sectional area approaches minimum to move said valve toward closed position.

2,118,221
**HYPODERMIC SYRINGE**
Felix C. Montneri, Washington, D. C., assignor to Cook Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application November 14, 1935, Serial No. 49,675
5 Claims. (Cl. 128—218)



1. A hypodermic syringe comprising a tubular body having a longitudinal aperture for insertion of a cartridge, removable means arranged at the plunger end adapted to engage with and retain the cartridge in the body, and resilient means anchored within said body and fastened intermediate its ends therein and adapted automatically to eject the cartridge when said movable retaining means is rendered inoperative and to hold the latter in inoperative position until released.

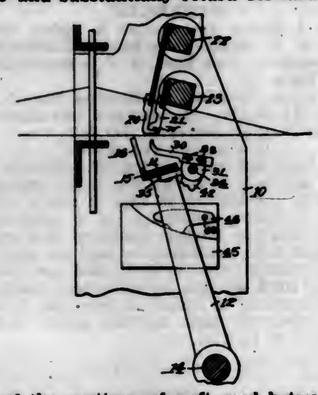
2,118,222
**COMBINED CAP AND SPOUT FOR LIQUID DISPENSING CONTAINERS**
Olof G. Nilson, Chicago, Ill.
Application February 17, 1936, Serial No. 64,323
11 Claims. (Cl. 221—23)



1. A combined closure cap and spout, threaded means for securing the cap, and friction means for securing the spout to the nozzle of a dispensing container, said cap nested with and encompassed by the spout, and means for selectively securing the spout to the cap after the cap is seated on the nozzle and with respect to the means by which the cap is secured to the nozzle, whereby when the cap is seated on the nozzle the spout will be disposed, in its inoperative position, within the plane of the periphery of the container.

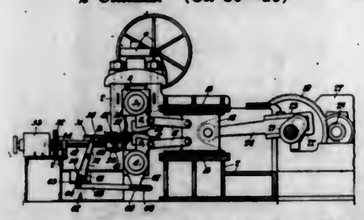
2,118,223
**REED LOOM**
Gustaf E. Nordstrom, Gardner, Mass., assignor to American Fibre Corporation, Gardner, Mass., a corporation of Massachusetts
Application December 5, 1936, Serial No. 114,454
3 Claims. (Cl. 139—191)

3. In a reed loom having a lay, means to supply a weft reed for said lay, and means to open and close a warp shed relative to said weft reed, that improvement which consists in providing displacing elements mounted on said lay and movable with and also relative thereto and effective to engage and displace spaced portions only of a weft reed on said lay simultaneously forward to produce a series of loops spaced across the width of the fabric, and in providing means to cause said displacing elements to engage said weft reed when the warp shed is nearly closed and when the warps are positioned to frictionally engage and substantially retard forward move-



ment of the portions of weft reed between said spaced loops.

2,118,224
**DISK ROLLING APPARATUS**
Axel B. Pearson, Munhall, Pa.
Application April 23, 1936, Serial No. 76,026
2 Claims. (Cl. 80—16)



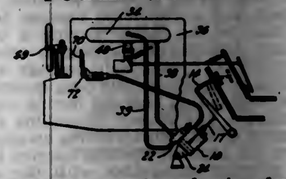
1. In an apparatus for radially rolling and tapering a disk-shaped metallic work-piece, a pair of coacting oscillatory rolling cams, the working surfaces of said coacting oscillatory rolling cams being constructed and arranged to oscillate in a direction which is opposite the direction of reduction during the rolling operation, a movable work-piece carriage, means for moving said work-piece carriage toward and away from said coacting oscillatory rolling cams prior to and after the rolling stroke, respectively, said means including a lost-motion connection operable in both directions of movement of said work-piece carriage, said lost-motion connection being operable to move said work-piece carriage toward said oscillatory rolling cams immediately prior to the rolling operation and away therefrom immediately after the rolling operation, said work-piece carriage being freely movable during the rolling operation in a direction which is opposite the direction of reduction, and means for restraining the movement of said work-piece carriage in both directions during the take-up of said lost-motion connection.

2,118,225
**ANTISEPTIC PRODUCTS**
John Stanton Pierce, Georgetown, Ky.
No Drawing. Application November 1, 1935, Serial No. 47,906
7 Claims. (Cl. 167—72)

1. An antiseptic product comprising 15 to 38% of a very soluble low toxic salt of aluminum, 15 to 38% of a solvent selected from the group consisting of ethyl alcohol and acetone, and at least 25% more water than the heavier of the other ingredients.

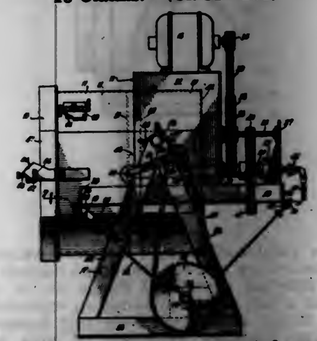


2,118,226
**CLUTCH CONTROL MECHANISM**
Harold W. Price and Earl R. Price, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application October 16, 1931, Serial No. 569,226. Divided and this application April 19, 1937, Serial No. 137,624
4 Claims. (Cl. 192—.01)



1. In a clutch control mechanism for an automotive vehicle provided with an internal-combustion engine, a cooling fan and a clutch, a fluid motor operatively connected with the clutch, means cooperating with the engine for effecting a disengagement of the clutch, said means including the aforementioned fluid motor, and other means cooperating with the motor and fan for controlling the engagement of the clutch.

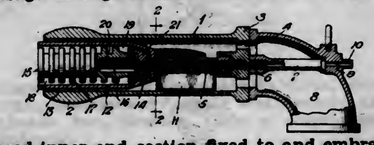
2,118,227
**TUMBLING MILL**
Nathan Ranscheff, Cincinnati, Ohio
Application June 26, 1935, Serial No. 28,495
13 Claims. (Cl. 51—164)



1. In a tumbling mill, a support frame, a tiltable unit pivotally mounted on said support frame, a tumbling barrel rotatively mounted in said tiltable unit, reversible means for rotating said tumbling barrel, said barrel including a tumbling chamber and a chamber for storing burnishing or abrading elements, tilting mechanism for positioning the tiltable unit, and valve means between said chambers, said valve means effective for separating and returning the burnishing or abrading elements to the storage chamber when the tumbling barrel is tilted and rotated in a particular direction.

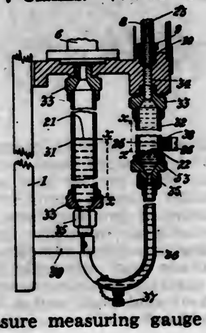
2,118,228
**OIL BURNER**
Joseph Ravenna, Philadelphia, Pa.
Application October 19, 1936, Serial No. 106,429
1 Claim. (Cl. 158—77)

A burner comprising a body having a head formed with an air inlet at one end and provided with an opening at the opposite end acting as an outlet nozzle, a liquid fuel conducting tube carried by the head and extending axially within the body and having an outer end terminating between said head and nozzle, said outer end fashioned with radially extending discharge ports for discharging liquid fuel under pressure from said tube, a rotor rotatably mounted on said tube adjacent said head and adapted for rotation by air under pressure introduced into said body through said air inlet, a sleeve forming a liquid fuel chamber having a conical shaped inner section secured to said rotor for rotation therewith and an outer section spaced from said body to provide a restricted air passage between itself and said body, the outer end of said outer section terminating beyond said nozzle, a deflector fixed to said tube within said conical shaped section of the sleeve and fashioned with a conical shaped recess in the outer face thereof, a core spaced from said sleeve to form a liquid fuel discharge passage through said chamber and having a re-



cessed inner end section fixed to and embracing the outer end of said tube to form a longitudinally extending liquid fuel passage therebetween whereby to reverse a flow of liquid discharged from said tube through said ports, said core having circumferentially extending ribs spaced from the inner periphery of said sleeve, said inner end of the core extending within the recess of said deflector and spaced from the latter to form upwardly and outwardly extending liquid fuel passages therebetween adapted to reverse the flow of liquid fuel from said longitudinally extending passage and direct the same against the inner periphery of said sleeve whereby the rotation of the latter serves to urge the liquid fuel in flowing condition thereagainst to form a film thereover, said ribs coacting with said sleeve to maintain a predetermined depth to said film on said sleeve for mixture with air from said restricted passage at the outer end of said sleeve and to prevent flames from entering the fuel chamber and said liquid fuel passages.

2,118,229
**U-TUBE GAUGE**
Herbert Edmund Reynolds and William Alexander, Glasgow, Scotland, assignors to Dobbie McInnes Limited, Glasgow, Scotland
Application November 10, 1936, Serial No. 110,140
7 Claims. (Cl. 73—31)

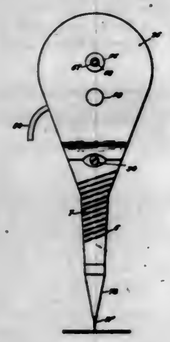


7. A pressure measuring gauge comprising a

U-tube for receiving two immiscible liquids of different densities, an outlet in at least one limb of the tube, said outlet being located at a predetermined level so as to act as an overflow for excess denser liquid beyond the amount required when filling the tube, and the highest part of the inner end of the outlet being located above the level of the top of the lower column of denser liquid when the upper column of less dense liquid is in place, and adjustable closure means for said outlet.

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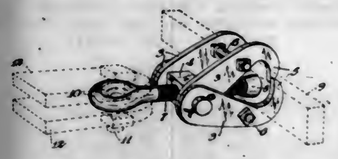
**2,118,230**
**PERFORATING PENCIL**
**Fred A. Rice, Joliet, Ill.**
**Application May 18, 1933, Serial No. 671,774**
**3 Claims. (Cl. 164—89.5)**



1. A perforating pencil comprising a body having a tubular shank terminating in a tip, said tip having the lower part of its bore tapering downwardly to the lower end of the tip, a needle passing through the shank and having a downwardly tapering lower end passing through the tapered part of the bore of the tip and means for reciprocating the needle.

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**2,118,231**
**TRAILER HITCH**
**Berthold E. Ricker, St. Cloud, Minn.**
**Application September 28, 1936, Serial No. 102,829**
**1 Claim. (Cl. 280—33.15)**



A trailer hitch for vehicles comprising pairs of relatively widely spaced hook-like jaw members, a common pivot pin for said jaw members having a threaded opening therethrough, braces between the pairs of jaw members, a threaded draft bolt extending inwardly through said threaded opening to a point adjacent the ends of said jaw members and outwardly beyond said pivot pin, an enlarged vehicle-engaging base on the inner end of said bolt, and a loop on the other end of said bolt.

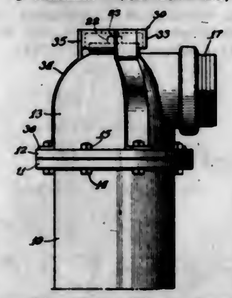
**2,118,232**
**GAS COCK**
**Earl W. Roberts, Detroit, Mich., assignor to The Roberts Brass Manufacturing Company, Detroit, Mich., a corporation of Michigan**
**Application July 20, 1936, Serial No. 91,602**
**9 Claims. (Cl. 251—154)**



1. A gas cock having a casing provided with a main passage and a restricted passage for gas, a rotary plug in the casing having a passage adapted upon rotation of the plug to communicate alternately with said main passage and restricted passage, a cap for the plug mounted on said casing, said casing and cap having connecting slots therein, and means controlling the rotary movement of the plug including an operating member for the plug, and means carried by said operating member engageable with the slot in said casing when it is desired to open and close one of the passages aforesaid and engageable with the slot in the cap when it is desired to open and close the other passage.

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**2,118,233**
**HYDRANT GUARD**
**Toby Ruggio, Chicago, Ill.**
**Application July 29, 1937, Serial No. 156,259**
**5 Claims. (Cl. 137—13)**



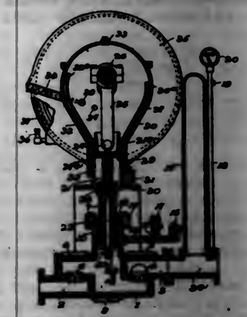
1. The combination with a street water hydrant comprising a lower standpipe portion having an external peripheral flange at its upper edge and a top portion having an external peripheral flange at its lower edge, said flanges being secured together by means of bolts and a valve stem actuating head extending externally of said top portion, of a guard for said actuating head, said guard comprising an annular cap held over said actuating head in spaced relation thereto and in spaced relation to said top portion by means of supporting legs, said supporting legs having foot portions adapted to rest on the flange of said top portion and be held thereagainst by means of said bolts.

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**2,118,234**
**RECIPROCATING LIQUID PUMP**
**Herbert E. Rupp, Mansfield, Ohio, assignor to Gorman-Rupp Company, Mansfield, Ohio, a corporation of Ohio**
**Application November 20, 1936, Serial No. 111,910**
**13 Claims. (Cl. 103—203)**

1. A reciprocating liquid pump, comprising in combination, a pumping chamber having a valve-controlled admission passage and a valve-controlled discharge passage, a reciprocating plunger operable in said pumping chamber, an air chamber connected with said discharge passage, an auxiliary discharge passage connected between

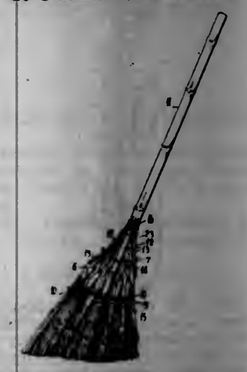




the pumping and said air chambers from the region of the former wherein the plunger limit of retraction is situate, and means in said auxiliary passage for controlling the discharge therethrough alternatively into the air chamber or direct to the atmosphere.

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**2,118,235**
**BROOM OR RAKE**
**Iwajiro Satake, Shibuya-ku, Tokyo, Japan**
**Application December 5, 1936, Serial No. 114,491**
**10 Claims. (Cl. 15—187)**

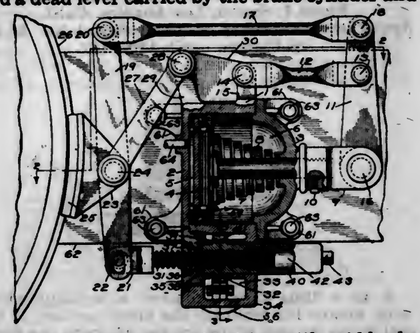


1. A broom or the like including a head comprising a plurality of individual elements, each element having integral lower, upper, and intermediate portions, the lower portion including a bristle, the upper portion being tapered, and the intermediate portion having a lateral projection, said elements being engaged together in their upper and intermediate portions.

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**2,118,236**
**UNIT BRAKE STRUCTURE**
**Francis E. Schwentler, St. Louis, Mo., assignor to The American Brake Company, St. Louis, Mo., a corporation of Missouri**
**Application November 17, 1936, Serial No. 111,220**
**5 Claims. (Cl. 188—153)**

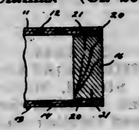
1. A unitary brake structure comprising a brake shoe, a brake cylinder, a piston in said brake cylinder, and braking members including a live lever and a dead lever carried by the brake cylinder and



operatively connecting said piston with said brake shoe.

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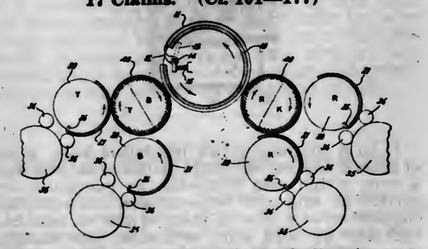
**2,118,237**
**PARTITION**
**Games Slayter and Howard W. Collins, Newark, Ohio, assignors, by mesne assignments, to Ingleside, Inc., Newark, Ohio, a corporation of Delaware**
**Application September 18, 1936, Serial No. 101,514**
**6 Claims. (Cl. 20—4)**



1. A partition adapted to be located between areas differing in temperature, said partition comprising spaced apart sides, and wood members between said sides for maintaining the same in spaced relation to each other, said members having a plurality of fine grooves in close proximity to each other to reduce the surface contact between said members and the sides.

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**2,118,238**
**MULTICOLOR ROTARY PROOF PRESS**
**Ernest James Smith, Fleet Street, London, England, assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois**
**Application September 29, 1934, Serial No. 746,054**
**In Great Britain October 2, 1933**
**17 Claims. (Cl. 101—177)**



1. A multicolor proof press including in combination an impression cylinder to receive a proof sheet, a plurality of transfer cylinders, a plurality of plate cylinders for each transfer cylinder, means for securing printing plates on the plate cylinders in registering relation and means for inking the plates.

2,118,239
**FILING CASE**
Floyd I. Smith, Los Angeles, Calif.
Application February 5, 1936, Serial No. 62,441
16 Claims. (Cl. 129—16)



8. In a filing case, a drawer, a helically coiled wire, means for securing the lower portion of the coil in the bottom of the drawer whereby the turns of the coil extend upwardly in the drawer whereby individual cards may be placed between adjacent turns of the coiled wire, a flexible band mounted in the coil and adapted to engage the lower edges of all cards, a carrier block slidably mounted on guide means in the lower part of the drawer, a flexing means operatively mounted on the block and engaged by the convolutions of the wire to flex said band to thereby slightly raise each card in succession and to form a reveal between adjacent cards.

2,118,240
**THERMOSTAT**
August A. Strand, Malden, Mass.
Application August 8, 1934, Serial No. 738,920
Renewed October 20, 1937
2 Claims. (Cl. 200—140)



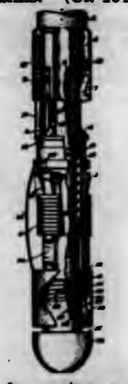
1. In a thermostat, an insulating base, a pair of spaced aligned solenoids mounted on said base, a core within said solenoids, an operating arm carried by said core between said solenoids, and slidable on said base, a snap switch on said base operated by said arm, said arm also carrying on opposite sides thereof a pair of bridging contacts, a pair of sets of contacts bridged by said bridging contacts, each said set comprising an upper contact and a lower contact mechanically supported by the same binding post on said base, a brush supported by said binding post, and collector rings contacting said brushes.

2,118,241
**PEN DESK SET**
Milford Guy Sypher, Belleville, N. J., assignor to The Chilton Pen Company, Inc., Long Island City, N. Y., a corporation of New York
Application December 1, 1936, Serial No. 113,567
16 Claims. (Cl. 120—108)



1. A pen desk set comprising a base, a member having a recess therein for receiving the nib end of a fountain pen, and an upwardly extending recess substantially at the middle of said first recess for receiving a bead or rib at the nib end of the fountain pen, a second member adjacent to said first member having recesses therein cooperating with the recesses of said first member to retain a fountain pen therein, and means for pivotally mounting said members on said base.

2,118,242
**LATCH FOR CASING CUTTERS AND THE LIKE**
Idris Thomas, Whittier, Calif.
Application May 11, 1936, Serial No. 79,037
12 Claims. (Cl. 164—0.8)



1. In a cutter for casing, a support, a cutter on the support, a slip, a wedge movable relative to the slip for engaging the slip with casing, an expander for the cutter supported by the wedge, the wedge and the expander being movable relative to the support, yieldable means for relatively moving the expander and the support so as to disengage the expander from the cutter, tensioning means for relatively moving the wedge and the support so as to tighten engagement of the slip with the casing, a support for the slip slidable relative to the first mentioned support, a latch between the supports comprising a cooperating thread and pivoted pawl, means for yieldingly projecting the pivoted pawl for engaging the thread so as to be screwed therealong and thus relatively longitudinally displace the supports by relative rotation thereof, the thread and pawl having cooperating surfaces securing the supports against relative longitudinal displacement in one direction except by their relative rotation, relative longitudinal displacement of the supports in said direction anchoring the expander and operatively projecting the cutter, the thread and pawl having cooperating surfaces adapted to disengage the pivoted pawl from the thread to permit relative longitudinal displacement of the supports in the opposite direction, relative longitudinal displacement of the supports in said opposite direction releasing the anchored expander, and cooperating abutments on the supports for limiting their relative longitudinal displacement in the last mentioned direction, the thread terminating at such point that when the supports are relatively longitudinally displaced in said last mentioned direction the pivoted pawl clears the end of the thread and idles on the surface of the threaded support before the cooperating abutments engage.



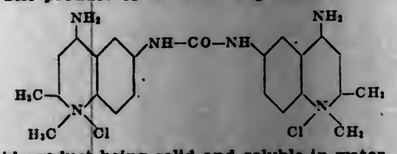
2,118,243
**BUILDER'S CLIP**
Frederick M. Vensie, Philadelphia, Pa., assignor to Veco Corporation, a corporation of Pennsylvania
Application December 19, 1935, Serial No. 55,159
4 Claims. (Cl. 72—118)



2. A metal clip comprising means for engaging a member carried by said clip, said means lying substantially in a single plane, a slot with a portion of the metal defining said slot being bent to form a V-shaped opening thereto, and an inner end of said slot being cut with its axis at a right angle to the major axis thereof.

2,118,244
**SYMMETRICAL DI(AMINOQUINOLYL-6)-UREAS**
Heinrich Jensch, Frankfort-on-the-Main, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 8, 1934, Serial No. 710,378. In Germany February 8, 1933
1 Claim. (Cl. 260—41)

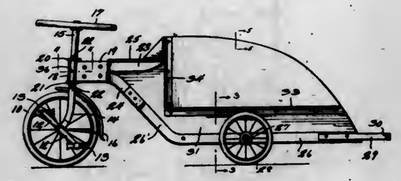
The product of the following formula



said product being solid and soluble in water.

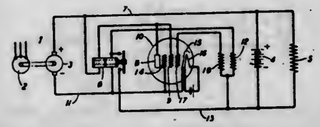
2,118,245
**TOY WHEELED VEHICLE**
Bennett Ray Jones, Perryopolis, Pa.
Application June 6, 1936, Serial No. 83,993
1 Claim. (Cl. 280—7.17)

A device of the character described, comprising a front ground wheel, an axle therefor, a spindle mounted on said axle, a truck body provided at its forward end with a bracket formed with a collar in which said spindle is held for rotation, said bracket being formed at its rear end with rearwardly diverging upper and lower members, downwardly extending arms of the bracket, a rear axle mounted in said frame bars, rear wheels carrying said axle, side plates connected to said a seat supported upon said upper members, body frame bars disposed in laterally spaced relation to each other and provided with forwardly and upwardly extending forward ends connected to the



frame bars, the body being provided with a front wall and a bottom plate secured between and to said side plates, bars extending rearward from the frame bars at the rear end of the latter, and a transversely extending bumper bar carried by the last named bars, as and for the purpose set forth.

2,118,246
**REGULATING SYSTEM**
Robert P. Jutson, North Tarrytown, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 20, 1936, Serial No. 80,801
5 Claims. (Cl. 171—314)

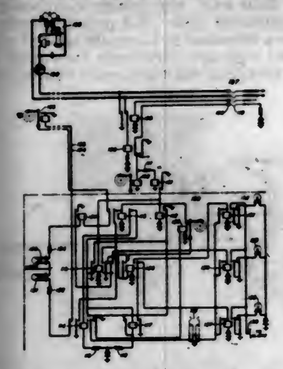


1. In combination, a battery, a load circuit connected across the terminals of said battery, a generator, a relay, a vacuum tube associated with said battery and said generator, said generator being normally connected in circuit with said relay across the output terminals of said tube, and means including said tube effective to cause the operation of said relay when the voltage delivered by said generator becomes greater than the voltage of said battery to connect said generator across said battery and said load circuit.

2,118,247
**MESSAGE REGISTRATION CHECKING SYSTEM**
Charles W. Keckler, Summit, and Irving C. Osten-Sacken, Glen Ridge, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 25, 1936, Serial No. 70,820
7 Claims. (Cl. 179—175)

1. In a telephone system, a subscriber's line, a call registering device for said line at the central office, means at the central office for operating said registering device and a checking circuit

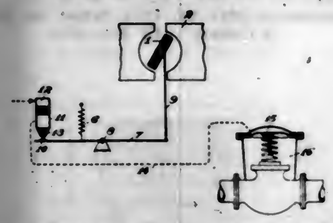
comprising a registering device located at the substation of said line and a checking meter at



the central office both operable in response to the operation of said first registering device.

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2,118,248
**HYDRAULIC GOVERNOR**
Georg Keinath, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application September 15, 1936, Serial No. 100,876
In Germany September 28, 1935
5 Claims. (Cl. 236—84)

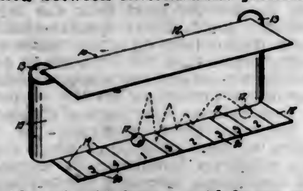


2. In a hydraulic governor system in combination an operating element governing the condition of the object to be controlled, a device for controlling said operating element, said device being hydraulically connected with said element and having an actuating part and means for biasing said part so as to maintain a certain position, a differential galvanometer having its movable two-coil system mechanically connected with said part for counteracting said biasing means, an electric circuit including a variable resistor series connected with one coil of said movable system for setting a predetermined value to be maintained by the governor system, and a second variable resistor series connected with the other coil of said movable system and disposed to be varied automatically in accordance with the condition of the object to be controlled.

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2,118,249
**TOY**
Joseph Klarke, Mishawaka, Ind., assignor to South Bend Toy Mfg. Co., South Bend, Ind.
Application April 26, 1937, Serial No. 138,945
4 Claims. (Cl. 273—118)

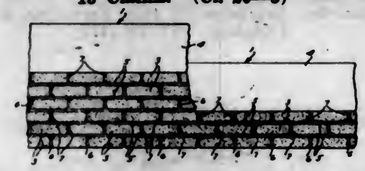
3. A toy comprising a rigid U-shaped frame, a pair of spaced supports, and a rubber sheet positioned between intermediate portions of op-



posed sides of said frame, said frame and sheet extending between said supports.

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2,118,250
**COVERING MATERIAL**
George Knapp, St. Louis, Mo., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland
Application January 26, 1933, Serial No. 652,611
13 Claims. (Cl. 20—5)



9. A building element having a plurality of spaced bands of predetermined color on a face thereof, and a row of slots located in each of said bands transversely thereof, said rows and said bands being spaced by a band of a different color and of defined outline demarking said bands of predetermined color upon the element.

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2,118,251
**SPARK PLUG**
Ernest F. Koehler, Berlin, and Gustave W. Goerner, Bourne, Mass.
Application April 9, 1936, Serial No. 73,452
6 Claims. (Cl. 123—169)



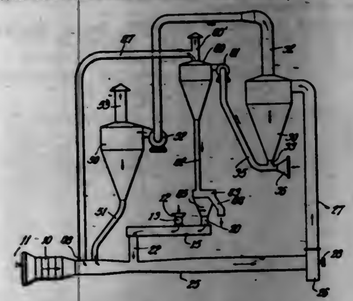
6. In a spark plug the combination of a casing having a bore which is cylindrical at its lower end and provided with a cavity opening into the cylindrical bore, there being a groove in the casing extending from the cavity longitudinally of the bore to the outer end thereof, a ground electrode in the form of a wire fitted into the groove and having an end bent to fit into said cavity, a positive electrode and an insulator for said positive electrode, said insulator extending downwardly into the cylindrical bore to engage the ground electrode and prevent movement thereof in said cavity and groove.

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2,118,252
**DRYING WHEY**
George Howard Kraft, Chicago, Ill., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill., a corporation of Delaware
Application March 30, 1935, Serial No. 13,925
10 Claims. (Cl. 99—57)

8. A continuous process of drying wet semi-solid whey which when dry normally contains water of crystallization and which may be driven off to form a hygroscopic product, said method comprising admixing with the wet whey a substantial proportion of dry whey powder, circulating the mixture in a current of hot air, circu-

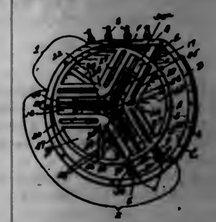




lating the mixture in a cooling air after a substantial proportion of moisture has been removed, continuously withdrawing from the system a substantial proportion of dried whey, continuously admixing the remaining dried whey with the wet whey, and repeating the cycle.

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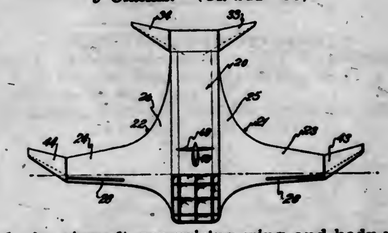
2,118,253
**ROTARY MOTOR**
Ole Alonzo Larsen, Salt Lake City, Utah, assignor of twenty-four and one-half percent to Dallas J. Larsen, Salt Lake City, Utah
Application December 5, 1933, Serial No. 700,940
3 Claims. (Cl. 123—16)



2. In a rotary motor of the class described, the combination of a rotor; pairs of spaced apart vanes mounted in said rotor to move in and out in said rotor; a casing surrounding said rotor with one side of said casing formed tangential to said casing to provide a portion against which the exploded gases may expand and press to cause the rotor to turn; sides for said casing each being provided with cam races cut on the inner face thereof, said races to control the position of said vanes; shafts extending from each side of the inner end of said vanes carrying rollers with the rollers to operate in said cam races; an intake valve in said rotor between each pair of vanes; a scavenging valve mounted in said rotor between each pair of vanes; means to introduce fuel into the space between each pair of vanes through said intake valve; pipes connecting the scavenging valve with the opposite side of said casing at a point between two pairs of valves to allow air to pass through said pipes and out said scavenging valve to force the burned fuel from between the pair of vanes which has just been utilized; a cam shaft carrying cams thereon and mounted in said casing and rotor, concentric with said rotor, said cams to actuate said intake and scavenging valves; and an intake manifold to introduce fuel centrally to said rotor with radial pipes to carry said fuel to said intake valves.

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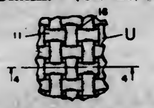
2,118,254
**AIRCRAFT**
Alfred C. Loedding, New York, N. Y.
Application May 18, 1933, Serial No. 671,624
9 Claims. (Cl. 244—36)



1. An aircraft comprising wing and body portions, each shaped to provide an airfoil, the upper and lower cambers of said airfoils being substantially symmetrical, and control members extending laterally from the tail of the body portion and from the tips of the wings, each control member being pivoted on an axis extending substantially along its line of center of pressure, said wing portions having a certain totality of dynamic characteristics which is independent of the position of said control members which extend laterally from said tail.

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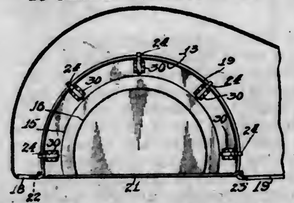
2,118,255
**PERFORATED AND EMBOSSED SHOE PART**
George C. Loucks and John R. H. Ward, Milwaukee, Wis.
Application November 29, 1937, Serial No. 177,046
1 Claim. (Cl. 36—3)



A shoe upper blank having at least a part thereof provided with intersecting rows of openings and embossed simulated platted leather strips, with the strips extending between the intersecting rows of perforations.

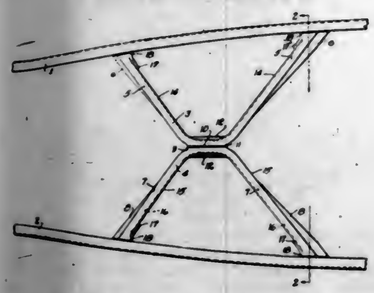
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2,118,256
**ORNAMENTAL FENDER SKIRT**
George Albert Lyon, Allenhurst, N. J., assignor to Lyon Incorporated, Detroit, Mich., a corporation of Delaware
Application August 29, 1936, Serial No. 98,441
13 Claims. (Cl. 280—153)



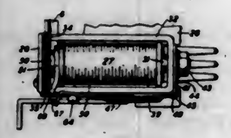
9. As an article of manufacture, an ornamental fender skirt having resilient trunnion members for supporting said skirt in rocking engagement on a vehicle fender.

2,118,257
**CROSS FRAME MEMBER**
Robert H. Maddock, Cleveland, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application March 2, 1931, Serial No. 519,385
Renewed October 24, 1935
8 Claims. (Cl. 280—106)



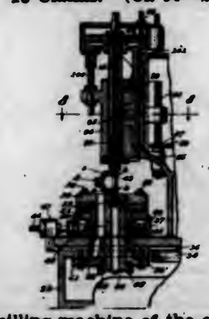
1. In a vehicle frame comprising two side rail members with inwardly disposed flanges, a cross member adapted to be connected at its ends to said side rail members, the ends of said cross member being substantially channel shaped in cross section with the web disposed vertically of the frame, a portion of the end of the web of said member being spread and deflected out of its normal plane to dispose part of the material thereof into the plane of and contiguous with the flanges of said channel whereby the length of the end of said channel is increased for providing a longer connection to the side rail with which the end is associated, said member being connected to the side rail by butt welding the end of the flanges thereof to the corresponding flanges of the side rail with which associated.

2,118,258
**RELAY MECHANISM**
Arthur C. Magrath, New Derp, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 14, 1937, Serial No. 142,631
5 Claims. (Cl. 179—27.54)



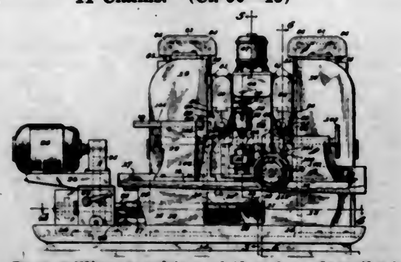
1. In a relay mechanism, a single energizing winding, a main armature and an auxiliary armature, both armatures operated to actuated positions by certain energizations of said winding and the auxiliary armature held in its actuated position by certain less energizations of said winding, and mechanical means movable on the operation of both armatures for locking the main armature in actuated position under control of the auxiliary armature and for maintaining said main armature locked if the energization of the winding is subsequently reduced to a point sufficient to hold the auxiliary armature in operated position.

2,118,259
**VERTICAL SPINDLE MILLING MACHINE**
Newman M. Marsilius, Bridgeport, Conn., assignor, by mesne assignments, to The Bridgeport Bronze Company, Bridgeport, Conn., a corporation of Connecticut
Application November 15, 1935, Serial No. 49,907
13 Claims. (Cl. 90—20)



1. In a milling machine of the class described, a base and column, cutter arbors, a motor for driving said arbors, a saddle slidably mounted on the base having an opening therethrough, bearing posts secured to the base and extended through said openings of the saddle, a pair of rotary tables mounted on the saddle in alignment with said cutter arbors and having central openings therethrough to receive the bearing posts and cutter arbors, means for reciprocating the saddle and tables backward and forward and means for rotating the tables during their reciprocatory movement in a way to carry work pieces mounted thereon around the cutter arbors.

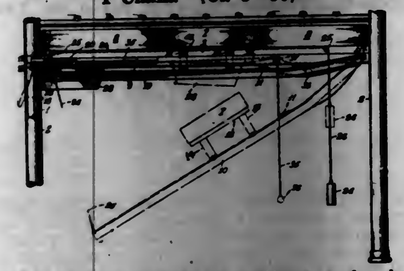
2,118,260
**CRANKSHAFT MILLING MACHINE**
Newman M. Marsilius, Bridgeport, Conn., assignor, by mesne assignments, to The Bridgeport Bronze Company, Bridgeport, Conn., a corporation of Connecticut
Application October 3, 1936, Serial No. 103,831
11 Claims. (Cl. 90—15)



1. In a milling machine of the class described, a bed, a reciprocatory work table mounted upon the bed, a second bed disposed at a right angle to the first mentioned bed, a slide mounted on the second bed, a head stock and tail stock mounted on the table, cam means for imparting reciprocatory movement to the table and to the said slide, spaced apart vertically aligned cutter arbors carried by the slide, a bearing housing for each of the said cutter arbors, means for adjustably securing said housings to the front of the slide, end cutters carried by each of the adjacent ends of the two said cutter arbors for performing aligned milling operations on opposite sides of a piece of work, a common shaft connected to simultaneously drive the two said cutter arbors and a motor carried by the slide for operating said common shaft.

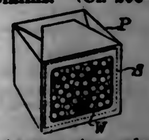


2,118,261
**ATTACHMENT FOR INVALID BEDS**
Eduardo Marzano, Rochester, N. Y.
Application May 25, 1936, Serial No. 81,612
1 Claim. (Cl. 5—90)



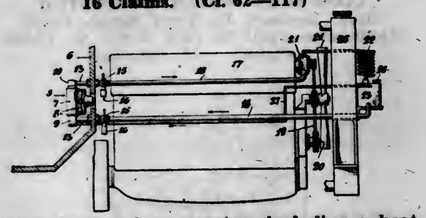
In a bed for invalids, a mattress and a bed spring supporting the same, both being apertured to provide a continuous opening therethrough, said bed spring comprising a frame and spring structure carried by the spring frame and adapted to provide a resilient support for the mattress; a pair of substantially parallel rails carried by the spring structure and extending transversely of the bed spring on each side of said aperture; a rod connecting said parallel bars at one side of said aperture to form a pivot pin; a pivoted frame pivoted on said rod comprising a pair of spaced substantially parallel rails extending transversely of said aperture, and substantially parallel with the first mentioned parallel rails and connected by straps to form a supporting frame, the rails of said pivoted frame being slotted at their pivot points to facilitate their disengagement from said rod for removal from the bed; a mattress section supported by said hinged frame and adapted to fill said aperture so as to form a continuous surface with the mattress when the hinged frame is in closed position; supporting channels attached to said first mentioned parallel rails to support a bed pan; locking means to facilitate opening and closing said pivoted frame for removing or replacing said mattress section within said aperture and shock absorbing means connected between the bed spring and the pivoted frame to cushion the opening movement of said pivoted frame.

2,118,262
**NONFOGGING CONTAINER FOR MOISTURE CONTAINING MATERIALS**
Leon L. McGrady, Rochester, N. Y., and Charles G. Rittenhouse, Chicago, Ill., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application October 4, 1934, Serial No. 746,852
4 Claims. (Cl. 206—44)



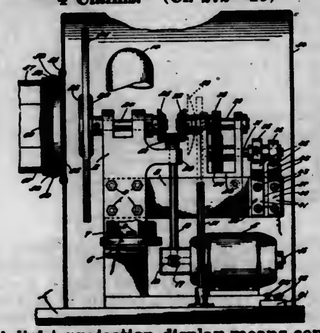
1. A window-type carton adapted for packaging moisture containing materials without fogging of the window portion thereof, comprising side and end walls at least one of which has a window opening therein, a permanently transparent sheet of cellulose derivative material which is relatively non-absorptive of moisture closing the window opening, said sheet having on its inner surface a thin, adherent, non-fogging coating of solid, transparent, relatively moisture absorptive material.

2,118,263
**HEAT TRANSFER APPARATUS**
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application February 16, 1938, Serial No. 190,732
16 Claims. (Cl. 62—117)



10. A heat exchange system including a heat transfer unit for placement within a space, the air of which is to be conditioned, said unit being formed with passages through its body and through which air to be conditioned is to pass, inlet and outlet tubes connected to said unit, means associated with the outlet tube for preventing a flow of liquid through the same, means connected to said latter tube for creating in said tube and said unit an absolute pressure of predetermined value and less than atmospheric, a condenser-tank assembly disposed beyond said means and within which an absolute pressure of higher value than that within said unit is to be established by said means, means for conducting condensed liquid from said tank assembly to said inlet tube, separate means for conducting air vapor from said tank assembly to the lowermost portion of said unit, and means associated with both said air conducting means and said inlet tube and having the functions of expansion valves for both said air and returned liquid.

2,118,264
**LIGHT PROJECTION DISPLAY MEANS**
Ernest Nanfeldt, New Haven, Conn., assignor to Respro, Inc., Cranston, R. I., a corporation of Rhode Island
Application July 12, 1934, Serial No. 734,727
4 Claims. (Cl. 272—10)

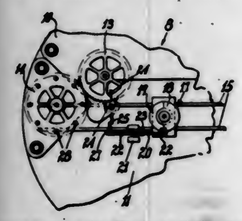


1. A light projection display means comprising

spaced light sources, means for reflecting light rays from each light source, means for variably modifying the reflected light rays from one light source in accordance with a predetermined plan, means for uniformly modifying the reflected light rays from the other light source during the period of variable modification of the light rays from the first light source, means for reversing the manner of modifying the reflected light rays from the said light sources at intervals and means for projecting the reflected light rays from said light sources into superposed relation upon a light receiving surface.

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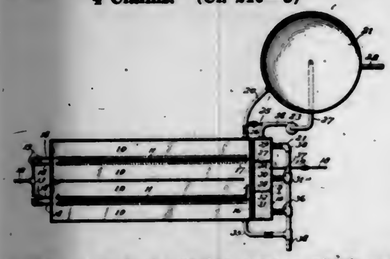
**2,118,265**
**COMPASS CONTROLLED SWITCH**
**Oscar Neubert, Jr., Long Beach, Calif.**
**Application April 26, 1935, Serial No. 18,309**
**8 Claims. (Cl. 200—56)**



1. A compass controlled switch comprising a magnetic needle, a train of gears, motor means connected to the train of gears whereby said train of gears are constantly urged to rotate, an escapement means in the train of gears, an escapement arm, means mounting the escapement arm adjacent the magnetic needle, means on the magnetic needle engaging one end of said arm whereby said arm is swung on its pivot, means on the other end of said arm engaging the escapement means whereby said escapement means is released for partial rotation, switch means, a means extending from said escapement means and engaging the switch means whereby the switch means is alternately opened and closed.

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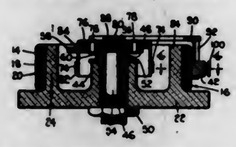
**2,118,266**
**SEWAGE TREATMENT**
**Carl H. Nordell, Chicago, Ill., assignor to Advance Engineering Company, Chicago, Ill., a corporation of Illinois**
**Application June 29, 1936, Serial No. 87,885**
**4 Claims. (Cl. 210—8)**



1. The method of treating sewage which comprises subjecting sewage to aeration in an aerating zone, separating activated sludge from the treated sewage, returning a portion of said sludge to the aerating zone, accumulating a body of activated sludge in a preconditioning zone, and diverting at least a part of the sewage into the preconditioning zone and thereby displacing a quantity of sludge into the aerating zone.

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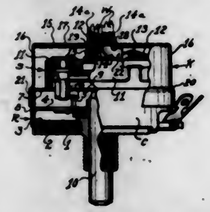
**2,118,267**
**RHEOSTAT**
**Henry G. Richter, Westfield, N. J., assignor, by mesne assignments, to P. R. Mallory & Co. Inc., Indianapolis, Ind., a corporation of Delaware**
**Application February 23, 1935, Serial No. 7,800**
**10 Claims. (Cl. 201—56)**



2. A variable resistor adapted for high temperature operation, comprising a refractory insulation base, an arcuate approximately cylindrical wire-wound resistance element mounted on said base, at least the exterior of the core of said element being made of refractory insulation, the windings extending transversely of said core, fused enamel securing said windings to said core and securing the wound core to the base, the windings being exposed at the outer cylindrical periphery of the resistance element, a contact arm movable around said resistance element, a contact shoe made of a block of copper graphite alloy and having a contact face of substantial dimension in two directions, and resilient means secured to said arm and self-adjustably supporting the contact shoe in engagement with the exposed windings at the outer cylindrical periphery of the resistance element.

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**2,118,268**
**SWITCH SHIELD**
**Newton C. Schellenger, Elkhart, Ind., assignor to Chicago Telephone Supply Co., Elkhart, Ind., a corporation of Indiana**
**Application July 30, 1934, Serial No. 737,486**
**8 Claims. (Cl. 201—48)**



2. An electrostatic shield comprising an end wall portion, corrugated side walls integral therewith, said corrugations extending from the free edge of said side walls across toward said end wall and terminating in enlarged indentations adjacent the end wall.

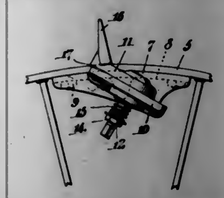
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**2,118,269**
**CLEAT FOR VEHICLE WHEELS**
**John H. Schlenter, Cascade, Wis.**
**Application July 1, 1937, Serial No. 151,522**
**10 Claims. (Cl. 301—50)**

1. In a traction device for wheels, a support on one side of said wheel and near the periphery



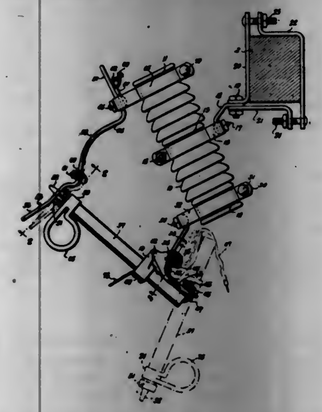
thereof, said support having a flat surface extending inwardly from said rim at an angle substantially less than 90° to a tangent drawn to the rim at the point of intersection of the rim and the plane of said flat surface, a cleat pivoted on



said surface and movable parallel therewith, a tooth on one end of said cleat projecting beyond the periphery of the wheel when the cleat is in one position, and means for holding said cleat to said support.

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**2,118,270**
**DISCONNECTING FUSE SWITCH**
**William O. Schultz, South Milwaukee, and Alwin G. Steinmayer, Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware**
**Application June 9, 1934, Serial No. 729,804**
**25 Claims. (Cl. 200—114)**

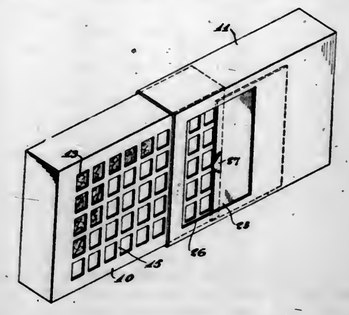


1. In a disconnecting switch, an insulating support, terminals mounted on said support, and a switch member pivotally mounted on said support for connecting said terminals, in combination with a pair of resilient contact arms in parallel relation, and a clamp connecting said arms intermediate their ends and movable relative thereto whereby the tension of said arms resisting lateral movement may be varied.

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**2,118,271**
**AIR FILTER ENVELOPE**
**Games Slayter, Newark, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio**
**Application April 10, 1933, Serial No. 665,261**
**Renewed October 14, 1937**
**3 Claims. (Cl. 98—99)**

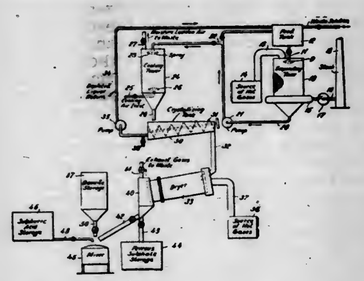
2. The combination of a filter unit, an adjusting device slidably connected with and overlapping the filter, said device formed with an opening therein to expose a portion of the filter, and



a panel slidably connected to said adjusting device and covering a variable portion of said opening.

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**2,118,272**
**RECOVERY OF SALTS FROM AQUEOUS SOLUTIONS**
**Elias Anthon Cappelen Smith, New York, N. Y., assignor to Guggenheim Brothers, New York, N. Y., a co-partnership**
**Application January 14, 1935, Serial No. 1,646**
**4 Claims. (Cl. 23—126)**



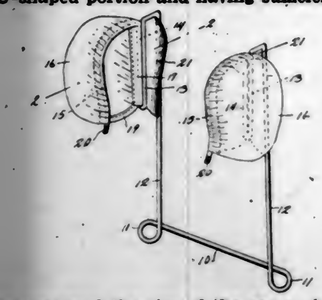
1. The method of recovering iron sulphate from waste liquor containing ferrous sulphate in aqueous solution which comprises heating the liquor to a temperature of about 60° C. to 70° C. to eliminate a portion of the water contained therein with the production of a relatively concentrated solution of ferrous sulphate without precipitating ferrous sulphate mono-hydrate, cooling the concentrated solution thus produced to a temperature of about 40° C. to 50° C. to precipitate copperas in crystalline form, and heating the copperas to effect the removal of water of crystallization and produce ferrous sulphate mono-hydrate.

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**2,118,273**
**EAR PROTECTOR**
**Nellie C. Smith, Santa Ana, Calif.**
**Application July 6, 1937, Serial No. 152,158**
**5 Claims. (Cl. 132—45)**

1. An ear protector, including a frame of resilient material formed to provide a cross-piece and two arms extending therefrom, the end of each arm having the form of an inverted approximately

U-shaped portion, and a web of fabric carried by said U-shaped portion and having sufficient full-



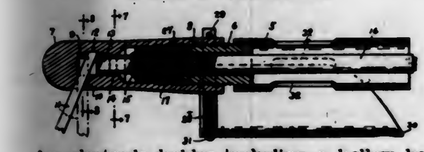
ness to surround the rim of the ear and extend across the face of the ear.

2,118,274

## SHIELDED ELECTRODE HOLDER

Michael Sweda, Youngstown, Ohio

Application October 21, 1936, Serial No. 106,860
1 Claim. (Cl. 219—8)



An electrode holder including a hollow head having a lateral opening for the insertion of an electrode, a conductor rod slidably mounted in said head and having its forward end adapted to engage the electrode, a handle screwed into the rear end of said head, a sleeve screwed on the rear end of the rod, said sleeve extending rearwardly of the rod and having a reduced rear end, and a cable passing through said handle and the rear end of said sleeve, said cable having an enlarged forward end filling the wider open part of the sleeve and forced by the sleeve into close contact with the rod, said handle engaging the rear end of the sleeve to force the rod into close contact with the electrode.

2,118,275

## PROCESS FOR PREPARING NITROCELLULOSE

Ralph H. Talbot, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 4, 1937, Serial No. 124,086
7 Claims. (Cl. 260—145)

1. A process of preparing nitrocellulose which comprises nitrating cellulose having a cuprammonium viscosity of not more than 12 seconds and not more than 7% of alkali-soluble constituents, with a nitrating bath containing 15–35% of nitric acid, 66–47% of sulfuric acid and a total content of combined nitric and sulfuric acid of 79–83%, the sum of the equivalent percentages of these acids being 1.57–1.52.

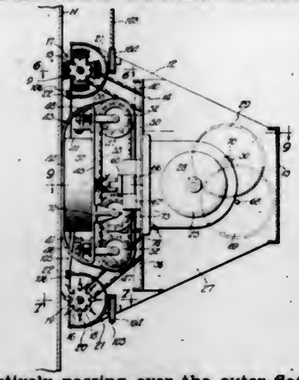
2,118,276

## SURFACING MACHINE

John C. Temple, New York, N. Y.

Application January 29, 1936, Serial No. 61,291
12 Claims. (Cl. 114—222)

1. In a machine of the class described, a chassis, a pair of spaced apart electro-magnets mounted on said chassis and having flat outer faces, a pair of driven endless flexible magnetic conductor traction elements arranged in parallel relation, one of the leads of the endless traction elements



respectively passing over the outer flat faces of the electromagnets and adapted to engage a metallic surface over which the machine is adapted to travel.

2,118,277

## FILLER COMPOSITION AND METHOD OF MAKING

Andrew Thoma, Cambridge, Mass., assignor, by mesne assignments, of one-half to North American Holding Corporation, Syracuse, N. Y., a corporation of New York and one-half to Parshad Holding Corporation, Syracuse, N. Y., a corporation of New York

No Drawing. Application June 18, 1934
Serial No. 731,217
7 Claims. (Cl. 106—3)

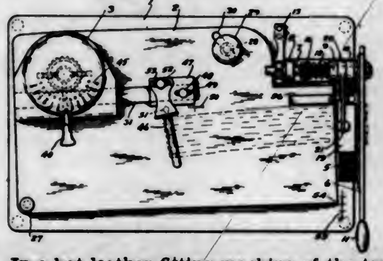
1. Method of preparing shoe filler compositions, comprising the step of incorporating comminuted, granular body material with a finely divided mineral compound, and then with a plastic fusible bonding material, and subsequently rendering the mass freely spreadable by the introduction of steam.

2,118,278

## HAT LEATHER FITTING MACHINE

Nathaniel George Tucker, Brooklyn, N. Y.

Application October 8, 1937, Serial No. 168,106
4 Claims. (Cl. 223—22)



1. In a hat leather fitting machine of the type having a common knife for cutting both ends of the leather with one action with the leather bent at its midway point, and a pin around which the leather is bent; characterized in that all of the parts are mounted on two plates, one forming a base and the other slidable thereon, and with the knife mounted on the base and the pin on the slidable plate; a head on said slidable plate for controlling the position of said pin to regulate the size of the leather, and a knob with a pointer thereon pivotally mounted in said head suitably connected to said pin for moving the pin with the pointer for adjusting the same, said head having figures on the surface thereof indicating sizes positioned in the path of said pointer.

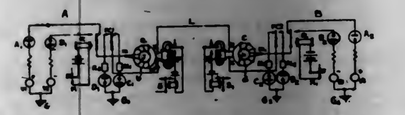


2,118,279

## ARRANGEMENT RELATING TO TELEPHONE, TELEGRAPH, AND SIGNAL SYSTEMS

Sten Daniel Vigren, Stockholm, Sweden, and Helge Rost, Mexico, D. F., Mexico

Application July 16, 1935, Serial No. 31,582
In Sweden July 24, 1934
16 Claims. (Cl. 178—69)



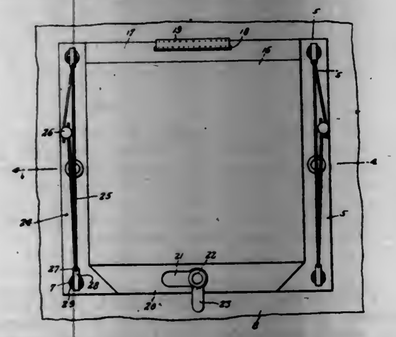
1. In a direct current signaling system, two stations, each thereof including a grounded current source, a two-way undivided traffic trunk line interconnecting said stations, signaling means at each station allowing current to pass from said current source over the trunk for transmitting signals over said trunk, rectifiers associated with said stations, receiving means connected in series to a rectifier and to at least one pole of the said grounded current source and to said trunk line at each station, said rectifiers being disposed at said stations and connected in opposed operating positions and in series with the same line wire, in order to suppress the effects of disturbing currents in both directions on the line and receiving means.

2,118,280

## REGISTRATION CARD HOLDER

William Wilson, Salt Lake City, Utah

Application September 29, 1937, Serial No. 166,406
3 Claims. (Cl. 40—13)



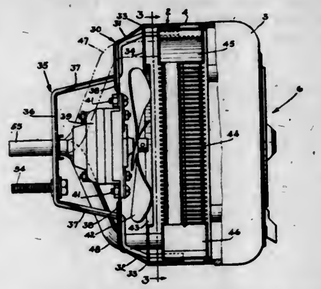
1. A holder for automobile registration certificates and the like comprising an attaching frame, a tray for the certificate fitting conformably within said frame, means engaging opposite sides of the frame and said tray for positively securing the latter within the frame, a transparency fitting conformably within the tray with the certificate interposed between the bottom of the tray and said transparency, and said frame having a continuous retaining flange at the inner edge thereof overlying said transparency for retaining the latter securely within said tray; said frame being provided at the corners thereof with means to accommodate fastening elements whereby said frame may be secured to a suitable support, fastening elements for securing said frame to such support, and seals connecting said fastening elements in pairs, each of said seals extending longitudinally of the frame at a side thereof secured to said tray whereby a breaking of the respective seals is necessary to subsequently effect a separation of the tray and frame.

2,118,281

## AUTOMOBILE HEATER

Carl H. Will and Henry W. Fink, Minneapolis, Minn., assignors to Tropic-Aire, Incorporated, Minneapolis, Minn., a corporation of Delaware

Original application August 9, 1935, Serial No. 35,494. Divided and this application December 16, 1935, Serial No. 54,684. Renewed November 26, 1937
3 Claims. (Cl. 248—2)



1. A support for a heat exchange unit having a casing with a water circulating core therein, and inlet and outlet pipes comprising a supporting bracket having forwardly extending arms adapted to be received in slots in the rear wall of the casing and suitably secured therein, said bracket being formed of sheet metal and having an intermediate portion provided with inwardly projecting lugs, a motor secured to said lugs and forming a tie therebetween, said bracket having a rearwardly extending portion provided with a vertical wall portion adapted to be engaged with and secured to a supporting wall of a vehicle body, said wall portion having oppositely disposed, horizontal projections provided with apertures for receiving the ends of said pipes, thereby to support the same in spaced relation, and studs secured to said rear wall for securing the heater to the vehicle body.

2,118,282

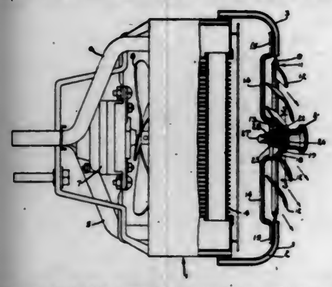
## DEFLECTOR FOR AUTOMOBILE HEATERS

Carl H. Will, Minneapolis, Minn., assignor to Tropic-Aire Incorporated, Minneapolis, Minn., a corporation of Delaware

Application June 8, 1936, Serial No. 84,131
10 Claims. (Cl. 98—1)

6. In a heater of the class described, a casing having an opening therein, means for circulating air through said opening, a conical bearing

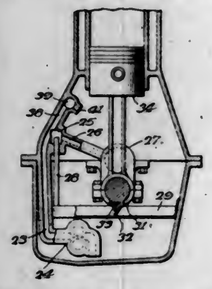
disposed in the axis of said opening, a deflector supported on said bearing, and spring means for



retaining the deflector in adjusted position on the bearing.

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**2,118,283**
**LUBRICATING SYSTEM FOR INTERNAL COMBUSTION ENGINES**
**Charles Ambrose Winslow, Oakland, Calif., assignor to Catherine B. Winslow, Oakland, Calif.**
**Original application January 30, 1929, Serial No. 336,158, now Patent No. 1,992,339. Divided and this application January 25, 1935, Serial No. 3,435**
**6 Claims. (Cl. 184—6)**

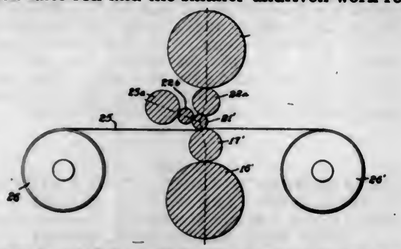


1. In an internal combustion engine having a crank case, an oil pump within said case, bearings within said case, a main lubrication system comprising a pump and conduits for conducting oil from said pump to said bearings, and means supplied with oil by said pump for supplying oil to said bearings by gravity when the pressure within said conduits rises above a predetermined minimum.

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**2,118,284**
**APPARATUS FOR PRODUCING SHEET MATERIAL**
**Warren Worthington, Pittsburgh, Pa.**
**Original application August 7, 1933, Serial No. 684,601. Divided and this application February 20, 1935, Serial No. 7,361**
**4 Claims. (Cl. 80—38)**

1. In a mill structure for rolling sheet material, a pass forming pair of reducing rolls one of which is of relatively small diameter and the other of which is of materially larger diameter, means for driving the larger of such rolls, the axis of the smaller roll being laterally displaced with relation to that of the larger and being driven solely by the material traversing the pass, and a plurality of idler rolls so arranged that the larger work roll is reinforced by at least one such idler roll and the smaller undriven work roll



is reinforced by at least two such idler rolls and is located within the crotch formed thereby.

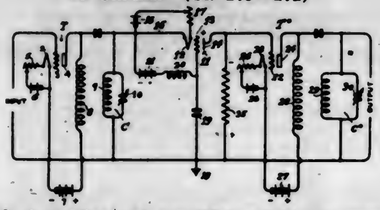
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**2,118,285**
**COMPOSITE PERMANENT MAGNETS OF MIXED COMMINUTED ALLOYS**
**Wilhelm Zumbusch, Krefeld, Germany, assignor to Deutsche Edelstahlwerke Aktiengesellschaft, Krefeld, Germany, a German company**
**No Drawing. Application November 7, 1936, Serial No. 109,683. In Germany November 16, 1935**
**7 Claims. (Cl. 175—21)**

1. Permanent magnets consisting of compressed finely divided magnetic metal alloys, the finely divided material consisting of a mixture of a plurality of different permanent magnetic metal alloys in the finely divided state, the difference between the coercive forces of which is not substantially greater than 20%.

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**2,118,286**
**ELECTRON TUBE AMPLIFYING SYSTEM**
**Earl L. Koch, Chicago, Ill., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware**
**Application May 23, 1931, Serial No. 539,468 Renewed September 29, 1936**
**19 Claims. (Cl. 179—171)**

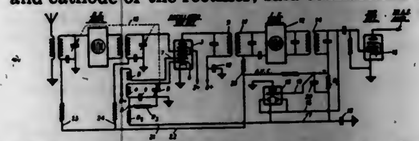


19. A method of amplifying high frequency signals which consists in linearly rectifying the signals to produce uni-directional signal currents, amplifying the uni-directional currents by direct current amplification and converting the amplified uni-directional currents into oscillating currents of the original signal frequency.

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**2,118,287**
**AUTOMATIC GAIN CONTROL CIRCUIT**
**Winfield R. Koch, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware**
**Original application May 8, 1934, Serial No. 724,496. Divided and this application June 20, 1936, Serial No. 86,224.**
**7 Claims. (Cl. 250—20)**

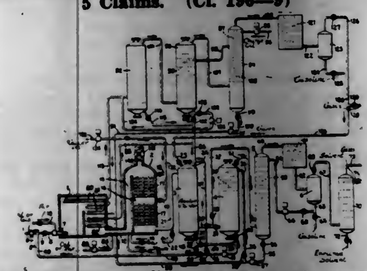
1. In a radio receiver provided with a local oscillator including a resistor in its grid circuit, an amplifier whose gain is to be controlled, a rectifier, tube having grid and cathode input electrodes and a plate and including means for impressing signals upon its input electrodes, direct current voltage connections from said resistor to the grid and cathode of the rectifier, said connections ap-



plying to said grid and cathode a no-signal cut-off bias developed by the flow of oscillator grid current through said resistor, a gain control connection from the plate circuit of the rectifier to said amplifier and a diode connected to the control connection for delaying the gain control of the amplifier.

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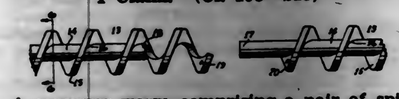
**2,118,288**
**TREATMENT OF HYDROCARBONS**
**Harold V. Atwell, White Plains, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware**
**Application July 25, 1933, Serial No. 682,059**
**5 Claims. (Cl. 196—9)**



5. The process of effecting thermal conversion of hydrocarbons which comprises passing a hydrocarbon oil through a cracking zone and there subjecting it to an elevated temperature effective to crack said oil, separating vaporous and residual conversion products, fractionally condensing the vapors to recover gasoline therefrom, contacting said residual conversion products with unsaturated hydrocarbon gases at a temperature of from 750° to 1100° F. in the presence of a limited amount of free oxygen, fractionating resultant vaporous products of reaction to recover another gasoline fraction and another higher-boiling fraction and delivering at least a portion of said other higher-boiling fraction to said cracking zone for further conversion.

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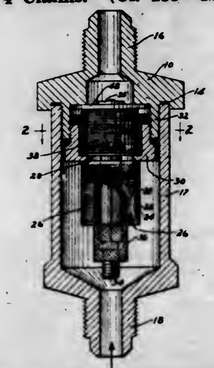
**2,118,289**
**COUPLING FOR COAL WORM SECTIONS**
**Edward B. Birkenbeuel, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.**
**Application May 18, 1936, Serial No. 80,397**
**1 Claim. (Cl. 198—213)**



A conveyor worm comprising a pair of spiral conveyor elements having their adjacent ends joined and having a cylindrical opening therethrough, a shaft forming a core for one of said flights secured thereto and projecting from the end thereof, the end portion of the second flight being devoid of a core but having a cylindrical opening therein adapted to receive said projecting shaft end.

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**2,118,290**
**PRESSURE REDUCING DEVICE**
**Jay T. Black, Detroit, Mich., assignor to Zenith Carburetor Company, Detroit, Mich., a corporation of Michigan**
**Application December 26, 1935, Serial No. 56,223**
**4 Claims. (Cl. 138—42)**



1. A pressure reducing unit comprising a series of stampings directly superposed in indexed relation and compressed to prevent passage of fluid therebetween, each stamping being formed with an arcuate groove communicating with the groove of the next adjacent stamping, and a member extending centrally through said stampings to maintain them in assembled and indexed relation.

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**2,118,291**
**ARC WELDING UNIT**
**Roland R. Bollman, Cincinnati, Ohio, assignor to The Commonwealth Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio**
**Application May 6, 1936, Serial No. 78,162**
**4 Claims. (Cl. 171—119)**

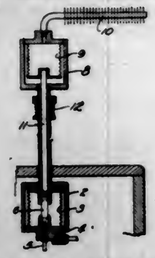


1. A transformer suitable for arc welding purposes, comprising a casing, a substantially cylindrical bundle of primary and secondary windings in associated relationship within the casing, a terminal plate carried by the casing including terminals to which the terminals of the windings are connected, a core within the winding bundle comprising a bar portion made up of parallel laminae of the same size and shape disposed centrally within the winding bundle and punching scrap of about one-fourth to three-eighths inch average diameter filling the space between the bar portion and the winding surrounding it, and magnetic media embracing and surrounding the winding bundle within the casing, comprising

sheet trimmings and punching scrap iron of pieces averaging about one-eighth to about one and one-half square inches in area, and generally approximately ten to sixteen gauge in thickness.

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2,118,292
**DIFFERENTIAL PRESSURE CONTROL**
Morris F. Booth, Salem, Ohio
Application December 23, 1931, Serial No. 582,748
22 Claims. (Cl. 62—8)



1. In a refrigerating system of the type having a condenser, compressor and lowside, a control unit having valve means for connecting and unloading liquid refrigerant from the high side into the lowside, thermostatically controlled means operatively positioned adjacent the condenser and connected to and normally tending to close said valve means whereby the pressure in the high side necessary to open the valve will vary according to the temperature existing around the condenser, and spring means positioned and arranged to resist or assist the operation of the thermostatic controlled means in the operation of the valve.

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2,118,293
**THIOCARBANILID DERIVATIVE**
Frederic A. Brinker, Denver, Colo.
No Drawing. Application March 20, 1935, Serial No. 11,997
10 Claims. (Cl. 260—125)

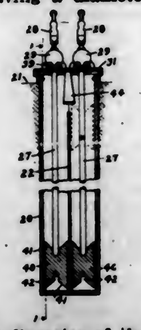
1. A method for producing a thiocarbanilid derivative comprising dissolving thiocarbanilid in sulfuric acid at normal temperatures and precipitating the derivative by means of water.

6. As an article of manufacture, the substantially water-insoluble derivative of thiocarbanilid precipitated when a solution of thiocarbanilid in strong sulfuric acid at normal temperatures is introduced into water.

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2,118,294
**FLUID DISPENSING APPARATUS**
James H. Cox, Los Angeles, Calif., assignor of one-half to Daniel W. Cox, Los Angeles, Calif.
Application April 1, 1936, Serial No. 72,096
14 Claims. (Cl. 299—77)

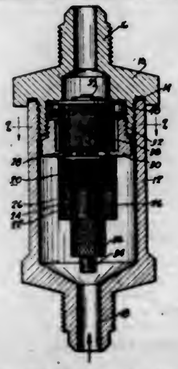
1. A device of the character described comprising an elongated casing, said casing being substantially rectangular in transverse cross section and defining an elongated, rectangularly-shaped chamber, a flexible dispensing pipe attached to a source of fluid supply adjacent the top end of said casing and extending from its point of attachment downwardly approximately to the lower end of the chamber, then doubling back to provide a loop and then rising within and passing out of the chamber, a mobile weight supported by said dispensing pipe within the loop thereof, said weight being in the form of a sheave, the perimeter of the sheave having a V-shaped groove, the faces of the V intersecting the side walls of the sheave, said sheave also having a channel at the apex of the V-shaped groove, said channel having a diameter approximately



the same as the diameter of the dispensing pipe and a depth at least as great as the diameter of the said pipe, the width of the casing being sufficient to prevent binding of the sheave but insufficient to permit turning of the latter transversely of its side walls.

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2,118,295
**PRESSURE REDUCING DEVICE**
Matthew O. Crawford, Detroit, and Maurice Ben Heftler, Grosse Pointe Park, Mich., assignors to Zenith Carburetor Company, Detroit, Mich., a corporation of Michigan
Application December 26, 1935, Serial No. 56,224
5 Claims. (Cl. 138—42)



1. A pressure reducing unit comprising a series of identical elements directly superposed on each other in fluid-tight relation, each element being formed with a slot registering over only a portion of its length with the slots of the contiguous elements.

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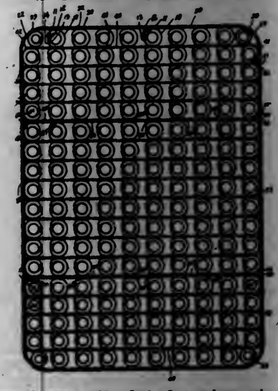
2,118,296
**WELD ROD**
Anthony G. de Golyer, New York, N. Y., assignor to Vulcan Alloy Corporation, a corporation of Delaware
No Drawing. Application July 6, 1936, Serial No. 89,244
2 Claims. (Cl. 219—8)

1. A weld rod comprising a metallic composition containing tungsten 3% to 10%, chromium 2% to 5%, boron .15% to .90%, carbon .30% to .90%, manganese .20% to 1.00%, silicon .20% to 1.00% and the remainder substantially iron.



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2,118,297
**FLEXIBLE MATTRESS SPRING STRUCTURE**
John A. Douglas, Trenton, N. J., assignor to Trenton Spring Products Company, Trenton, N. J., a corporation
Application July 11, 1936, Serial No. 90,111
2 Claims. (Cl. 5—249)

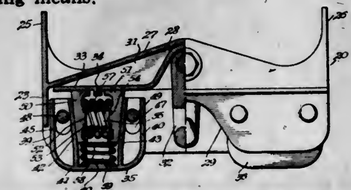


1. A unitary articulated spring structure for incorporation in a mattress, having substantially semi-rigid parallel top and bottom frames and a plurality of parallel coil springs constituting the sole spacing means therebetween, the coils being arranged in rows, each frame being identical to and in substantial registration with the other, each frame including two U-shaped semi-rigid border wire members forming end borders and the arm portions thereof forming side border portions, the arms of each end member being directed toward the arms of the other member, and two intermediate U-shaped semi-rigid border wire members having similar relationship therebetween and with the midportions completing the frame sides and in alignment with the aligned arm portions of the end members, a loose hinge type connection between the ends of the aligned arm portions of the end members and the intermediate member substantially at the ends of the midportion thereof, the arms of said intermediate members being directed towards each other and aligned and terminating adjacent each other and remote from the midportions of said intermediate members, flexible helix means connecting all marginal coils to the immediate adjacent border forming portions of the wire frames, and flexible helix means connecting the end turns of adjacent coils in adjacent rows.

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2,118,298
**DRAFT AND BUFFER GEARING**
Glenn E. Edmunds, Columbus, Ohio, assignor to The Bonney-Floyd Company, Columbus, Ohio, a corporation of Ohio
Application April 12, 1934, Serial No. 720,323
12 Claims. (Cl. 213—9)

1. Car draft and buffer gearing comprising buffer means and a draft member, said buffer means comprising top and bottom webs and a forward buffing wall, webs extending rearwardly of said forward wall and between said top and bottom webs and providing convergently related friction faces, said rearwardly extending webs being integral with said forward wall and said top and bottom webs, means supporting said buffer means and draft member for movements toward and away from each other, said forward buffing wall projecting beyond said supporting means so as to take buff directly, means connecting the side portions of said buffer means with said supporting means and limiting movement of the buffer means away from the draft member, said connecting means comprising abutment elements directly carried by said supporting means, the buffer means being pivotal about either of said conecting means, friction shoes engaging said convergently related friction faces, and spring means urging said shoes against said friction faces, said supporting means providing means limiting movement of said draft member away from said buffer means, said draft member engaging said friction shoes and the latter normally acting to hold the buffer means and draft member in engagement with their respective limiting means.



9. Car draft and buffer gearing comprising buffer means and a draft member, means supporting said buffer means and draft member for movements toward and away from each other relative to said supporting means, said buffer means projecting forwardly beyond said supporting means so as to take buff directly, means connecting the side portions of said buffer means with said supporting means and limiting movement of said buffer means away from the draft member, said connecting means comprising abutment elements directly carried by said supporting means, said buffer means being pivotal about said connecting means, said supporting means providing means limiting movement of said draft member away from said buffer means, means integral with said buffer means providing opposed forwardly convergent friction faces, means integral with said draft member providing convergent friction faces, wedge means interposed between the friction faces of said buffer means and draft member respectively and having friction faces engaging the same, and means yieldingly urging the friction faces of said wedge means against said engaged faces.

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2,118,299
**BIMETALLIC SEALING DEVICE**
Owen William Ellis, Forest Hill, Ontario, Canada
Application November 30, 1935, Serial No. 52,326
1 Claim. (Cl. 137—161)

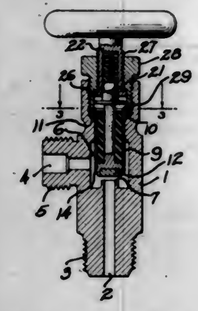


In a sealing device, a pipe, a valve adapted to close the end of said pipe, a support secured

to said pipe, a guide bearing secured to said support, a valve stem secured to said valve and extending through said guide bearing, a retaining member secured to said support, and a thermally responsive element secured to said valve stem and held by said retaining member.

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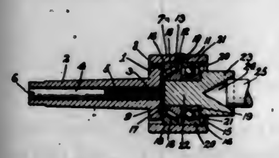
**2,118,300**
**VALVE AND PACKING CARTRIDGE**
**Robert V. Ford, San Francisco, Calif.**
**Application August 20, 1937, Serial No. 160,118**
**7 Claims. (Cl. 251—31)**



1. A packless valve including a valve body having a valve chamber therein, and inlet and outlet passages communicating with said chamber, a vertically disposed hollow shell in said chamber, a valve in said chamber to close off the inlet from the outlet, said valve having a stem thereon, a yieldable elastic packing material sealed to the side walls of said shell and to the valve stem, said packing tending to keep the valve off the inlet, and means rotatably mounted on the valve body and related to the valve stem to move the valve into contact with the inlet.

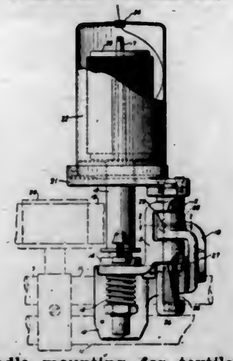
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**2,118,301**
**CENTER**
**Delbert A. Gegenheimer, Chicago, and James J. Kirby, Oak Park, Ill.**
**Application October 6, 1937, Serial No. 167,580**
**14 Claims. (Cl. 82—33)**



1. In a tool center, a hollow housing member having an open-ended hollow enlargement, a center piece positioned therein for rotation with respect thereto, a roller bearing positioned within said enlargement and about said center piece, having its inner race engaging said center and its outer race engaging said enlargement, the outer race being inclined inwardly toward the axis of said housing, and a roller bearing positioned outwardly with respect to said roller bearing toward the open side of said enlargement, and having its inner race engaging said center and its outer race engaging the inner wall of said enlargement, and means for retaining said bearings in position.

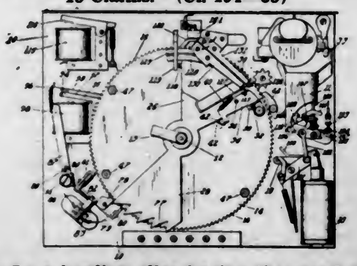
**2,118,302**
**SPINDLE MOUNTING FOR TEXTILE MACHINES**
**William R. Gordon, Stonington, Conn., assignor to The Atwood Machine Company, Stonington, Conn., a corporation of New Jersey**
**Application August 31, 1937, Serial No. 161,301**
**6 Claims. (Cl. 118—66)**



1. A spindle mounting for textile machines comprising in combination a bracket, a shaft secured therein, a spindle mounting member pivotally supported on said shaft, a spring normally forcing the spindle mounting member toward its operative position, means to regulate said spring by angular adjustment of said shaft relative to said bracket, and means to secure said shaft in said bracket in any pre-determined angular position.

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**2,118,303**
**COIN CONTROL FOR BOWLING ALLEYS**
**Louis F. Hehn, Chicago, Ill., assignor of one-half to Michael T. Lane, Chicago, Ill.**
**Application April 9, 1934, Serial No. 719,688**
**18 Claims. (Cl. 194—58)**

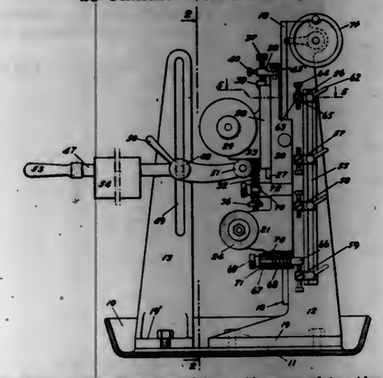


18. In a bowling alley having the usual pins, pin spots, balls and return gulley, coin-controlled means associated with the alley for automatically indicating the number of balls to be used according to the play, said means including a toothed wheel, and means for preliminarily setting the wheel according to the number of players, said means including a coin-operated switch, a magnet electrically connected to the switch, and a set of release pawls and ratchet wheels operated by the magnet and operatively associated with the periphery of the toothed wheel, together with a segmental wheel rotatably mounted for operative association with the toothed wheel, the segmental wheel being in a plane parallel to the plane of the toothed wheel but freely rotatable relatively thereto, and means for rotating the segmental wheel concurrently with the toothed wheel beginning with the playing of the tenth frame, together with current-carrying switches on the segmental wheel, and mechanical means for automatically opening and closing said switches upon movement of the segmental wheel into a predetermined position, and control magnets connected with the switch contacts on said segmental wheel, electrical contact means for the pins on the alley, and current-carrying connections between the switches on the segmental wheel and the pin contact means, together with further electrical switches in the ball-return gulleys, and connections between said switches and the switches carried on and operated by the segmental wheel.



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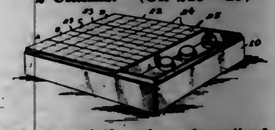
**2,118,304**
**GRINDING MACHINE**
**Carl J. Hertlein, Brooklyn, N. Y., assignor of one-half to Franz Fuchs, Brooklyn, N. Y.**
**Application October 3, 1936, Serial No. 103,838**
**25 Claims. (Cl. 51—166)**



1. In a grinding machine, the combination of a base provided with a main column and a fulcrum standard, a carriage slidably mounted for vertical movement on the column, a motor slidably mounted for vertical movement on the carriage, a tool spindle journalled in the lower portion of the carriage beneath the motor for rotary movement about a horizontal axis, a belt driving the spindle from the motor, a spring between the carriage and motor tending to elevate the motor on the carriage, a stop between the motor and carriage for limiting the upward movement of the motor on the carriage, a lever fulcrumed on the standard, having a handle at one end and at the other end engaging beneath the motor to elevate the same together with the carriage on the main column.

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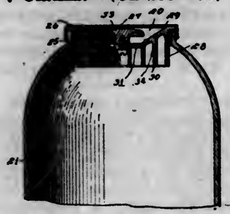
**2,118,305**
**APPARATUS FOR TESTING PULLORUM DISEASE**
**Lester V. Hitsman and Walter E. Schultz, Boone, Iowa**
**Application June 11, 1934, Serial No. 730,932**
**2 Claims. (Cl. 219—19)**



1. In a device of the class described, the combination of a casing provided with a partition to divide the upper portion of the casing into heating and control compartments; a plate covering the heating compartment; an electric circuit including a number of heating elements beneath said plate; and means for applying electric current to any one of said elements to heat the section of said plate immediately above the element to which the current is applied and variable heat dissipating means supported in the other compartment for controlling the temperature of said heating elements whereby heat generated by the variable heat dissipating means will not affect the temperature of said plate.

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**2,118,306**
**CHURN**
**Edward A. Hornbostel, Des Moines, Iowa**
**Application May 9, 1934, Serial No. 724,665**
**7 Claims. (Cl. 259—76)**



1. In a device of the class described, the combination of a cream container having its upper end open, a cover for said open end, means for fastening said cover to said container, a mixing and agitating element adapted to be secured in the open end of said container by means of said cover, said mixing and agitating element having the form of an inverted truncated cone with a recess in its upper end, the under surface of said cone being provided with a series of annular and downwardly extending flanges arranged concentrically with the center of said cone, said flanges having a series of bleeder openings, the truncated portion of said cone having a series of openings communicating the inner and outer surfaces of said truncated portion; a deflector blade in said recess.

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**2,118,307**
**RODLESS PUMP**
**Walter N. Huff, Harwood, Tex.**
**Application July 27, 1936, Serial No. 92,862**
**3 Claims. (Cl. 103—44)**



1. In a pump comprising a well tubing and a fluid operated pump mounted in said tubing, a

pressure pump, a conduit connecting said pressure pump to the tubing for forcing an operating fluid under pressure into said tubing, a multiway valve interposed in the conduit, a cylinder communicating with said conduit at a point between the pressure pump and the multiway valve, a gravity actuated fluid elevated piston slidably mounted in the cylinder, a conduit connecting said cylinder with the first-named conduit at a point between the multiway valve and the tubing, a check valve interposed in the second-named conduit for preventing return flow of fluid to the cylinder, a storage tank, and a conduit connecting said storage tank to the multiway valve, said multiway valve constituting means for alternately connecting the pressure pump and the storage tank with the tubing.

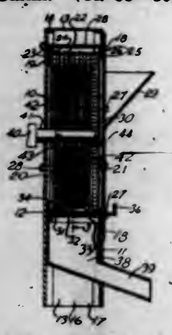
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**2,118,308**
**LEATHER LUBRICATION**
**Alphons O. Jaeger, Mount Lebanon, Pa., assignor to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware**
**No Drawing. Original application August 8, 1936, Serial No. 95,031. Divided and this application August 8, 1936, Serial No. 95,032**
**18 Claims. (Cl. 149—6)**

1. The method of fat-liquoring, filling or stuffing hides, skins and leather which comprises introducing into the same a relatively water-insoluble plasticizer containing a polyhydric alcohol ester of an organic carboxylic acid selected from the group consisting of aromatic mono- and polybasic acids, hydroaromatic mono- and polybasic acids and aliphatic polybasic acids.

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**2,118,309**
**BARLEY POLISHER OR PEARLER**
**John E. Johnson, Atwater, Minn.**
**Application June 20, 1936, Serial No. 86,335**
**1 Claim. (Cl. 83—30)**



A machine of the character described, comprising a housing including spaced apart front and rear walls and top and side walls interconnecting said front and rear walls, an opening in the front wall, a screening structure within said housing and including a removable cover-plate for said front wall, a cylindrical screen and means mounting said screen solely upon the cover plate, the screening structure being adapted to be inserted into said housing through the opening in said front wall and the opening being closed by said cover plate, a shaft rotatably mounted within said cylindrical screen, said shaft being independent of and out of the path of movement of said cover plate, brushes fixed upon the shaft for rotation therewith and within the screen, said brushes terminating adjacent to said screen, an inlet to the interior of the screen adjacent to said shaft, an outlet through the screen at a lower portion thereof, and manually adjustable means covering said outlet.

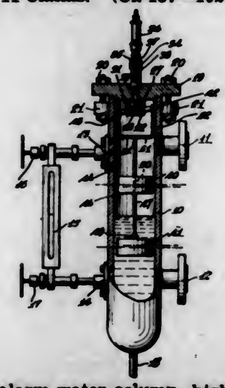
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**2,118,310**
**ART OF TREATING OIL-DECOLORIZING CLAYS**
**Harold L. Kauffman, Warren, Pa.**
**No Drawing. Application October 23, 1934, Serial No. 749,617**
**7 Claims. (Cl. 252—2)**

1. The method which includes the step of heating oil-decolorizing clay to a temperature of at least 1600° F. for a period of the order of 4 to 5 seconds.

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**2,118,311**
**ALARM WATER COLUMN**
**Walter J. Kinderman, Philadelphia, Pa., assignor to Yarnall-Waring Company, Philadelphia, Pa., a corporation of Pennsylvania**
**Application February 8, 1937, Serial No. 124,676**
**11 Claims. (Cl. 137—102)**



1. In an alarm water column, high-water and low-water weights, operating levers fulcrumed at their middles, upwardly directed knife-edges pivotally suspending the weights from near the lever ends, an actuating pin on each lever adjacent the fulcrum and means for operating an alarm in response to motion of the actuating pins, the fulcrum of the levers being substantially on the line through the knife-edge suspensions of the weights.

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**2,118,312**
**HAIR CURLER**
**Harry H. Klein, New York, N. Y.**
**Application April 25, 1936, Serial No. 76,358**
**7 Claims. (Cl. 132—41)**



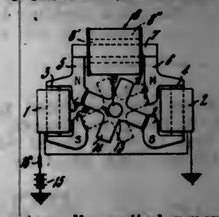
7. A hair curler having the combination of a hair winding bar, a hair retaining band having an end serving as an axle, said band and bar being hinged to each other, a device carried by said axle for engaging the end of said bar, said device including a spherical element adapted to



press with its equatorial area upon the end of said bar, and said element having resilient means to permit it to move in a motion of translation to a position eccentrically to said axle and successively to a position concentrically with the axle for engaging with and disengaging from the end of said bar.

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**2,118,313**
**ELECTRIC IGNITION GENERATOR**
**Ludvig P. Kongsted, Longmeadow, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York**
**Application February 13, 1937, Serial No. 125,540**
**9 Claims. (Cl. 171—209)**



4. In an externally excited generator, a generating winding, two externally excited field coils, means for alternately conducting magnetic flux from one exciting coil in one direction through the generating winding and for conducting magnetic flux from the other field coil in the reverse direction through the generating winding, and electrical connections for said field coils so arranged that the decline of the magnetic flux through one field coil boosts the current through the other field coil.

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**2,118,314**
**BUNG**
**Carl Kranz, Rochester, N. Y.**
**Application May 6, 1935, Serial No. 20,009**
**3 Claims. (Cl. 217—98)**

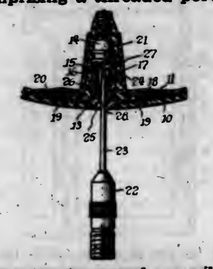


1. A bung having an inwardly tapering cylindrical body, a bushing having an opening therein into which said bung is adapted to be driven, flanges on said body extending outwardly from the top and bottom thereof, a washer on said body between said flanges adapted to engage said opening in said bushing, said washer being smaller in length than the distance between said flanges, said inwardly tapering cylindrical body being adapted to slide up or down in said washer to cause said washer to expand or contract when engaged with the opening in said bushing.

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**2,118,315**
**INFLATABLE BALL**
**David Levinson, Chicago, Ill., assignor to Standard Sports Mfg. Co., Chicago, Ill., a corporation of Illinois**
**Application April 19, 1935, Serial No. 17,194**
**4 Claims. (Cl. 273—65)**

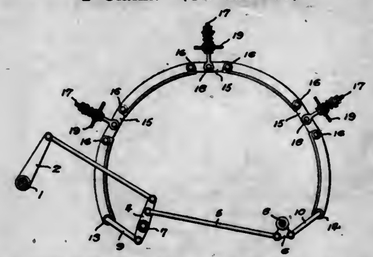
1. In an inflatable ball, the combination of a cover having an aperture therein, a metallic valve structure, a flexible member secured to said cover and having a tubular portion supporting said valve structure with its outer end spaced from the cover, and a plug for protecting the valve structure comprising a threaded portion screwed



into the valve structure and a resilient portion shaped to fit snugly in the tubular portion of the flexible member and in said aperture, said plug being apertured to receive a tubular inflation needle.

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**2,118,316**
**RAILWAY BRAKE APPLICATION**
**John E. Lynskey, Chicago, Ill.**
**Application July 23, 1934, Serial No. 736,468**
**1 Claim. (Cl. 188—77)**



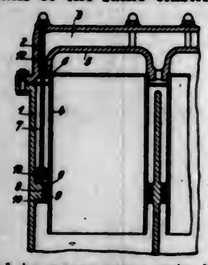
In combination with a railway car truck including a supporting wheel, a plurality of brackets carried by said truck and having parts arranged to extend over the periphery of the wheel, a plurality of brake shoes positioned about the periphery of the wheel, links positioned between the brake shoes and movably connected therewith, yielding means connected with said links and said parts for normally holding the brake shoes in spaced relation with the periphery of the wheel, said means restraining the brake shoes from lateral shifting, and an operating linkage movably connected with two brake shoes for moving all the shoes into braking relation with the periphery of the wheel, said linkage extending across one side of the wheel.

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**2,118,317**
**MACHINING OF ENGINE CYLINDER LINERS**
**Otto Mader, Dessau-Ziebigk, Germany, assignor to Junkers-Flugzeug- und Motorenwerke, Aktiengesellschaft, Dessau, Germany**
**Original application April 15, 1935, Serial No. 16,415. Divided and this application December 16, 1935, Serial No. 54,546. In Germany April 23, 1934.**
**1 Claim. (Cl. 29—156.4)**

The method of manufacturing liners, having the form of thin-walled tubes, designed to have one end pressed in axial direction by elastic means onto a seat in a cylinder of an internal combustion engine, which comprises mounting such liner

in a machine tool with an end face applied against a seat in said tool, pressing said liner onto said seat by means of the same elastic means which



are designed to press same onto its seat in the engine, said elastic means being here put to approximately the same tension as later on in the engine, and machining the liner thus mounted.

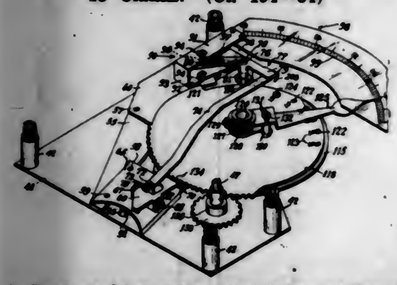
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2,118,318

**COIN CONTROLLED PARKING METER**

Carl C. Magee, Oklahoma City, Okla., assignor to Dual Parking Meter Company, Oklahoma City, Okla., a corporation of Delaware

Application May 13, 1935, Serial No. 21,153
13 Claims. (Cl. 194—84)



1. In a parking meter, a driving mechanism adapted to operate at a given speed for a given period of time, a signal manually operated coin controlled means for moving the signal into a signalling position, operative connections between the mechanism and the signal for moving the signal out of signalling position, graduations representing units of time carried by the signal, and means co-acting with the graduations for indicating units of time.

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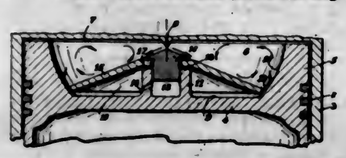
2,118,319

**INTERNAL COMBUSTION ENGINE**

Walter A. Maynard, Cleveland Heights, Ohio

Application September 14, 1936, Serial No. 100,596
9 Claims. (Cl. 123—32)

1. In an internal combustion engine the combination with a cylinder and a piston operating therein, of a member carried by the head of the piston, but spaced therefrom to provide an air cell, said cell having annular peripheral communication with a side wall of a combustion chamber formed by the cylinder and piston, said side wall of the combustion chamber comprising an annular wall extending upwardly from a point below the base of the member carried by the head of the piston and formed with a concave inner surface, whereby an annular rotational swirl or turbulence of the gases in the combustion chamber will be induced by movement of air from the air cell along the annular side wall of the combustion chamber when the pressure in the air cell exceeds that in the combustion chamber, said member comprising a metallic plate having a pre-



determined coefficient of expansion tending to control or vary the peripheral opening communicating with the combustion chamber in response to variations in temperature in the combustion chamber.

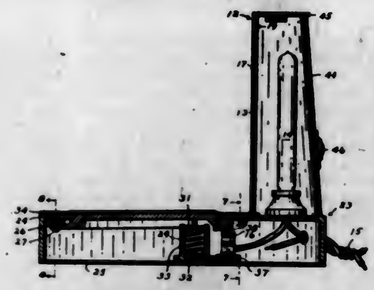
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2,118,320

**SELF-HELP MERCHANDISING DEVICE**

William A. McEwen, La Grande, Oreg.

Application May 13, 1935, Serial No. 21,195
7 Claims. (Cl. 40—130)



1. In a self-help merchandising device, a member for supporting an article of merchandise, means yieldingly supporting said member for its limited displacement under the weight of a said article thereon, a sign requiring illumination for rendering its characters visible and referring to the article of merchandise, a lamp arranged for its lighting to illuminate said sign, and means operated by the member to effect a lighting of the lamp solely when said member is in its undisplaced position.

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2,118,321

**DISPENSER FOR ICE CREAM CONES**

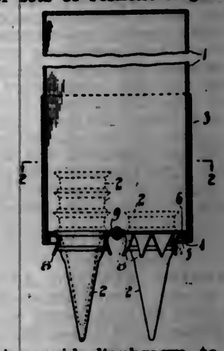
Frederick William Mimee, Hamilton, Ontario, Canada, assignor to Ernest M. Fletcher and Leo M. Kennedy, both of Hamilton, Ontario, Canada

Application December 11, 1936, Serial No. 115,413
In Canada October 30, 1936
1 Claim. (Cl. 312—43)

In a dispenser for ice cream cones and the like the combination of a tubular casing open at its upper and lower ends; a metal support sleeved within the lower end of said casing, said support having a downwardly projecting annular flange; a diaphragm of flexible sheet material extending across the upper side of said support, said diaphragm having its edge portions bent downwardly between the inside of the casing and said flange, fastening means extending through said flange, diaphragm and casing, said support having a plurality of openings therethrough for the passage of articles, said diaphragm being



slit radially of each of said openings to form a plurality of sets of resilient fingers; and means



for clamping said diaphragm to the support-intermediate the openings.

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2,118,322

**COLLAPSIBLE POULTRY FEEDER**

Ernest E. Mohler, Indianapolis, Ind., assignor to Anderson Box Company, Indianapolis, Ind., a corporation

Application October 26, 1936, Serial No. 107,582
1 Claim. (Cl. 119—61)



A poultry feeder comprising a substantially rectangular blank of pliable material folded along parallel lines to provide a bottom, side and perforated top walls, the top walls meeting near the extremities of the blank, the meeting edges of said blank abutting one another to form a ridge disposed perpendicularly to said bottom, end walls integral with said bottom and bent perpendicularly thereto on a line of fold disposed inwardly from the extremities of said side and top walls, the said end walls having notches in their extremities to receive and embrace said ridge, and said top walls having transverse slots near their ends to receive portions of said end walls, whereby the ridge, end and top walls are maintained in rigid assembled relation.

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2,118,323

**TRAVELING HANDBAG OR CASE**

John Jay Murphy, St. Albans, N. Y., assignor of one-half to William B. Terry, Hillsdale, N. J.

Application May 6, 1936, Serial No. 78,115
1 Claim. (Cl. 190—51)



An overnight handbag or case having a box-like inner unit comprising rigid top, bottom and back and end walls, partition walls in the said unit, sliding drawers fitted between said partition walls and forming a complete closed structure, and a collapsible handle on the top of said unit, and an outer rigid shell for the complete accommodation and concealment of the said unit comprising back and end walls for closely engaging the back and end walls of the said unit, ledges in the said shell for supporting the inner unit to define a storage space in the shell beneath said unit, a front member hinged to the said shell at the top of said storage space and adapted to close against the front of the drawers in said unit, a hinged cover on the shell, means for attaching said cover to said hinged member to enclose and retain the inner unit in position on said ledges, and a handle on the upper face of said cover.

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2,118,324

**PROCESS OF DRYING FRUIT**

Earl N. Percy, Oakland, Calif., assignor to Dry Fruit Products Company, Oakland, Calif., a corporation of California

No Drawing. Application December 24, 1935, Serial No. 56,083
1 Claim. (Cl. 99—204)

In the process of drying fruit by dehydration under suitable conditions of pressure and temperature for reducing the fruit sugar to substantially an anhydrous crystalline form, the method of determining the extent of dehydration which consists in measuring the electrical resistance of the fruit, dehydrating the fruit during the period the electrical resistance of the fruit increases, and discontinuing said dehydrating substantially at the point of maximum resistance of said fruit.

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2,118,325

**INFLATABLE BALL**

Edward B. Peters, Chicago, Ill., assignor to Standard Sports Mfg. Co., Chicago, Ill., a corporation of Illinois

Application March 20, 1935, Serial No. 11,925
8 Claims. (Cl. 273—65)



1. An inflatable ball comprising, in combination, a cover comprising a plurality of sections stitched together at their edges, a bladder within said cover, and a valve structure for the bladder positioned at a seam joining two of said sections, said valve structure including a disk-shaped member positioned against the inner surface of the cover and having a channel-shaped portion fitting snugly over the seam, said member being stitched to the cover along the line of said seam.

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2,118,326

**TRAY**

Charles Richardson, Jr., Pasadena, Calif.

Application November 5, 1934, Serial No. 751,552
3 Claims. (Cl. 65—53)

3. In a tray, cooperating elements, one comprising a base having an upturned flange at its outer edge, the other comprising a base having an upturned flange at its outer edge terminating in a lateral rim provided with a depending flange at its outer edge, the said elements being assembled with their bases overlying one another

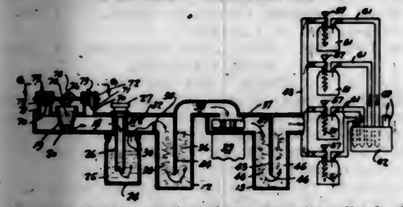
and with the upturned flange of the first element telescoped within the depending flange of the second element, the telescoped flanges having means for limiting their telescopic engagement,



and means at the end of the depending flange for engaging the outer edge of the base of the first element for preventing telescopic disengagement of the cooperating elements.

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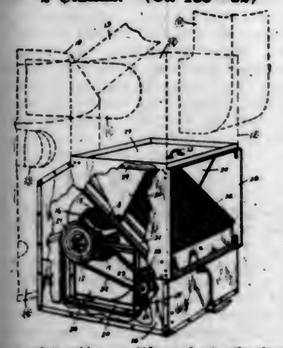
**2,118,327**
**DRY VAPOR GENERATOR**
**Alfred H. B-Roberts, Los Angeles, Calif.**
**Application November 9, 1935, Serial No. 49,048**
**4 Claims. (Cl. 21—125)**



3. In a device of the character described, the combination of a compartment, a furnace supported in said compartment, a vapor purifier suspended from said compartment, passages connecting said furnace with said purifier, a plurality of downwardly extending annular bosses on the underside of said compartments, a medicator suspended from each of said bosses, a manifold within said compartment connecting said purifier with said medicators, a valve for the inlet opening in each medicator, a conduit from each of said medicators to a mixing receptacle, a heating element within said mixing receptacle, and means to cause vapor from said furnace to flow through said apparatus.

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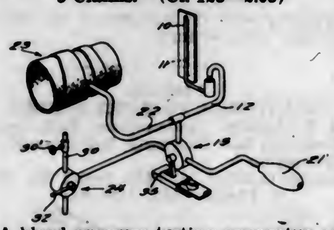
**2,118,328**
**AIR CONDITIONING UNIT**
**John Roland, Indianapolis, Ind., assignor to Schwitzer-Cummins Company, Indianapolis, Ind., a corporation**
**Application April 16, 1936, Serial No. 74,648**
**2 Claims. (Cl. 183—32)**



2. In combination with a hot air furnace and a cold air duct, an air conditioning unit interposed therebetween including a blower fan, means for driving said blower fan, a substantially air-tight casing enclosing said fan and motor, said casing having an opening provided in the top thereof communicating with said air duct, and an adjacent opening in the side thereof communicating with the atmosphere exteriorly of said duct, an angularly disposed air filter plate mounted in said casing between said openings and said fan, a door closure adapted to close one or the other of said openings and an arm extending inwardly from opposite sides of said door for pivotally supporting it in position to be swung from one closing position to the other.

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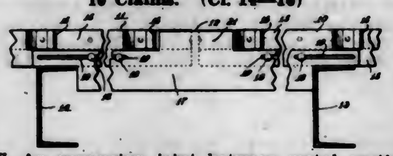
**2,118,329**
**BLOOD PRESSURE TESTING APPARATUS**
**George A. Snyder, West Hollywood, Calif.**
**Application June 22, 1934, Serial No. 731,890**
**5 Claims. (Cl. 128—2.05)**



4. A blood pressure testing apparatus adapted to be operated by the person whose blood pressure is to be tested, which comprises a control valve structure, an air supply connected with one side of said valve, a relief pipe connected with the opposite side of said valve structure and a pressure pipe adapted to be placed in alternate communication with said air supply and relief pipe and to remain in said set position until moved, a pressure tube in communication with the pressure pipe, a cuff at one end of said tube, a pressure indicating means at the opposite end of said tube, a relief valve structure in communication with the relief pipe, a set bleeder valve in communication with an outlet from the relief valve structure and an exhaust opening in the relief valve, said valve being operable and adapted to alternately establish communication between the relief pipe and the bleeder valve or between the relief pipe and the exhaust opening.

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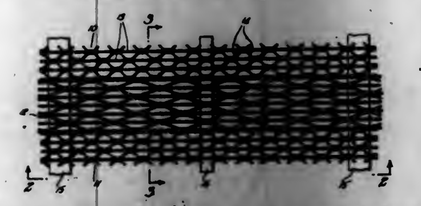
**2,118,330**
**GRATING EXPANSION JOINT FOR BRIDGES**
**Ernest L. Tarof, Brooklyn, N. Y., assignor to Kerlow Steel Flooring Co., Jersey City, N. J., a corporation of New Jersey**
**Application February 17, 1937, Serial No. 126,102**
**10 Claims. (Cl. 14—16)**



7. An expansion joint between metal grating sections comprising a splicing portion attached to at least one of said grating sections, having a part which is substantially flush with the tops of said grating sections and which is adapted to longitudinally overlap the ends of said grating sections.



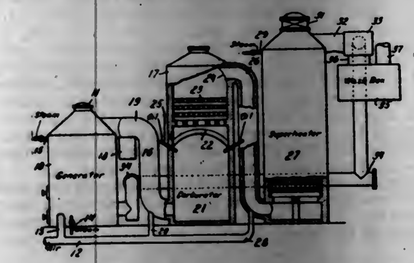
**2,118,331**
**GRATING TRAFFIC GUIDE**
**Ernest L. Tarof, Brooklyn, N. Y., assignor to Kerlow Steel Flooring Co., Jersey City, N. J., a corporation of New Jersey**
**Application April 20, 1937, Serial No. 138,031**
**3 Claims. (Cl. 14—73)**



3. Grating for paving elevated structures such as bridges and the like comprising roadways of grating sections and an intermediate traffic guide portion including grating sections presenting a substantially different appearance from the grating sections of the roadways, both the grating sections of the roadways and the intermediate traffic guide portion being open to allow removal of snow and ice through the open portions of said grating sections, each of said grating sections including longitudinal section members and lateral spacing members contiguous the longitudinal members, the intermediate traffic guide portion grating sections having their longitudinal and spacing members so arranged that said intermediate or traffic guide portion delineates geometric shapes different from those formed in the gratings of said roadways visually and audibly to the driver of a suitably moving vehicle one roadway portion from another and, at the same time, offers resistance to a tendency for a vehicle to skid.

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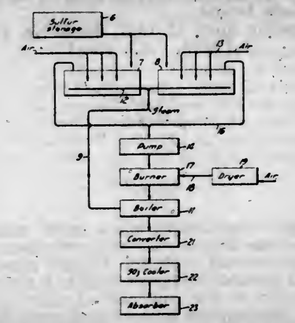
**2,118,332**
**PROCESS OF MAKING CARBURETED WATER GAS**
**William Tiddy, New York, N. Y., assignor to Semet-Solvay Engineering Corporation, New York, N. Y., a corporation of New York**
**Original application June 5, 1931, Serial No. 542,287, now Patent No. 2,064,007, dated December 15, 1936. Divided and this application May 23, 1936, Serial No. 81,413**
**1 Claim. (Cl. 48—205)**



In a process for producing carbureted water gas in a set involving a single generator containing a bed of fuel of coal origin connected to the base of a single carburetor having the major portion thereof substantially unobstructed throughout the horizontal cross-sectional area thereof, said process comprising alternately preheating said carburetor by air blasting the said bed of fuel in the generator and passing the resultant blast gases upwardly through the carburetor in a general vertical direction throughout substantially the entire vertical extent of said carburetor while burning the blast gases in the carburetor, and intermittently flowing water gas produced by passing steam through the said bed of fuel into the base of the carburetor and vertically upwardly therethrough throughout substantially the entire extent of said carburetor, introducing a heavy oil such as Bunker C or crude oil which upon decomposition forms carbonaceous deposits near the top of the path of unobstructed flow of the water gas downwardly into the upwardly flowing stream of water gas counter-current to the flow thereof whereby turbulence between the oil and water gas is produced and effective vaporization and cracking of the oil takes place causing the resultant carbonaceous deposits to settle through the upwardly flowing water gas stream so as to effectively vaporize any residual oil adhering thereto and repeating the aforesaid steps utilizing as the fuel bed only the said bed of fuel of coal origin, which is replenished from time to time.

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**2,118,333**
**PRODUCTION OF SULPHUR DIOXIDE**
**Ferd W. Wieder, Berkeley, Calif., assignor to Stauffer Chemical Company, a corporation of California**
**Application November 29, 1935, Serial No. 52,145**
**3 Claims. (Cl. 23—179)**




2. That improvement in the art of manufacture of sulphuric acid by the contact process which consists in burning with substantially dry air sulphur, which has been first freed of its moisture by blowing a dry gas through the sulphur while it is molten, to produce the required $SO_2$.

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**2,118,334**
**PROCESS AND MACHINE FOR DRYING BEANS**
**Clare E. Wilson, Sparta, Mich.**
**Application June 10, 1935, Serial No. 25,741**
**4 Claims. (Cl. 34—35)**

4. A machine for treating beans comprising, a tower, a plurality of spaced bean passageways having foraminated sides leading downwardly through the tower, a plurality of air passageways parallel to the bean passages and between them, means for receiving beans or the like and feeding them into the several passageways, valve means located at each of the lower ends of the passageways, each of said valve means consisting of a roller member horizontally positioned and extending with its outer surface so as to normally close the respective passageway, means for

and with the upturned flange of the first element telescoped within the depending flange of the second element, the telescoped flanges having means for limiting their telescopic engagement,



and means at the end of the depending flange for engaging the outer edge of the base of the first element for preventing telescopic disengagement of the cooperating elements.

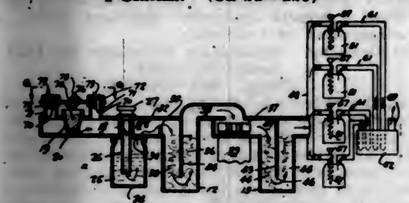
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2,118,327

**DRY VAPOR GENERATOR**

Alfred H. B-Roberts, Los Angeles, Calif.

Application November 9, 1935, Serial No. 49,048
4 Claims. (Cl. 21—125)



3. In a device of the character described, the combination of a compartment, a furnace supported in said compartment, a vapor purifier suspended from said compartment, passages connecting said furnace with said purifier, a plurality of downwardly extending annular bosses on the underside of said compartments, a medicator suspended from each of said bosses, a manifold within said compartment connecting said purifier with said medicators, a valve for the inlet opening in each medicator, a conduit from each of said medicators to a mixing receptacle, a heating element within said mixing receptacle, and means to cause vapor from said furnace to flow through said apparatus.

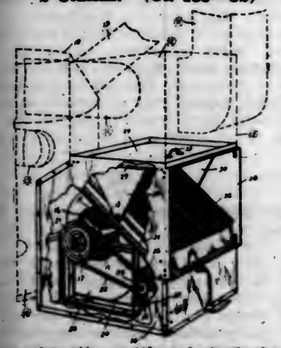
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2,118,328

**AIR CONDITIONING UNIT**

John Roland, Indianapolis, Ind., assignor to Schwitzer-Cummins Company, Indianapolis, Ind., a corporation

Application April 16, 1936, Serial No. 74,648
2 Claims. (Cl. 183—82)



2. In combination with a hot air furnace and a cold air duct, an air conditioning unit interposed therebetween including a blower fan, means for driving said blower fan, a substantially air-tight casing enclosing said fan and motor, said casing having an opening provided in the top thereof communicating with said air duct, and an adjacent opening in the side thereof communicating with the atmosphere exteriorly of said duct, an angularly disposed air filter plate mounted in said casing between said openings and said fan, a door closure adapted to close one or the other of said openings and an arm extending inwardly from opposite sides of said door for pivotally supporting it in position to be swung from one closing position to the other.

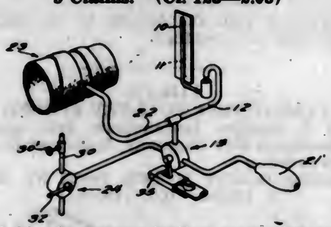
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2,118,329

**BLOOD PRESSURE TESTING APPARATUS**

George A. Snyder, West Hollywood, Calif.

Application June 22, 1934, Serial No. 731,890
5 Claims. (Cl. 128—2.05)



4. A blood pressure testing apparatus adapted to be operated by the person whose blood pressure is to be tested, which comprises a control valve structure, an air supply connected with one side of said valve, a relief pipe connected with the opposite side of said valve structure and a pressure pipe adapted to be placed in alternate communication with said air supply and relief pipe and to remain in said set position until moved, a pressure tube in communication with the pressure pipe, a cuff at one end of said tube, a pressure indicating means at the opposite end of said tube, a relief valve structure in communication with the relief pipe, a set bleeder valve in communication with an outlet from the relief valve structure and an exhaust opening in the relief valve, said valve being operable and adapted to alternately establish communication between the relief pipe and the bleeder valve or between the relief pipe and the exhaust opening.

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2,118,330

**GRATING EXPANSION JOINT FOR BRIDGES**

Ernest L. Taref, Brooklyn, N. Y., assignor to Kerlow Steel Flooring Co., Jersey City, N. J., a corporation of New Jersey

Application February 17, 1937, Serial No. 126,102
10 Claims. (Cl. 14—16)



7. An expansion joint between metal grating sections comprising a splicing portion attached to at least one of said grating sections, having a part which is substantially flush with the tops of said grating sections and which is adapted to longitudinally overlap the ends of said grating sections.

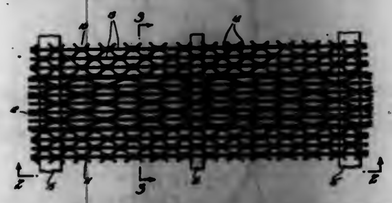


2,118,331

**GRATING TRAFFIC GUIDE**

Ernest L. Taref, Brooklyn, N. Y., assignor to Kerlow Steel Flooring Co., Jersey City, N. J., a corporation of New Jersey

Application April 20, 1937, Serial No. 138,031
3 Claims. (Cl. 14—73)



3. Grating for paving elevated structures such as bridges and the like comprising roadways of grating sections and an intermediate traffic guide portion including grating sections presenting a substantially different appearance from the grating sections of the roadways, both the grating sections of the roadways and the intermediate traffic guide portion being open to allow removal of snow and ice through the open portions of said grating sections, each of said grating sections including longitudinal section members and lateral spacing members contiguous the longitudinal members, the intermediate traffic guide portion grating sections having their longitudinal and spacing members so arranged that said intermediate or traffic guide portion delineates geometric shapes different from those formed in the gratings of said roadways visually and audibly to the driver of a suitably moving vehicle one roadway portion from another and, at the same time, offers resistance to a tendency for a vehicle to skid.

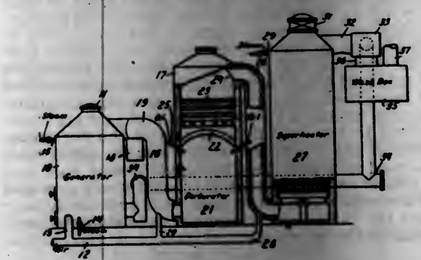
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2,118,332

**PROCESS OF MAKING CARBURETED WATER GAS**

William Tiddy, New York, N. Y., assignor to Semet-Solvay Engineering Corporation, New York, N. Y., a corporation of New York

Original application June 5, 1931, Serial No. 542,287, now Patent No. 2,084,697, dated December 15, 1936. Divided and this application May 23, 1936, Serial No. 81,413
1 Claim. (Cl. 48—205)



In a process for producing carbureted water gas in a set involving a single generator containing a bed of fuel of coal origin connected to the base of a single carburetor having the major portion thereof substantially unobstructed throughout the horizontal cross-sectional area thereof, said process comprising alternately preheating said carburetor by air blasting the said bed of fuel in the generator and passing the resultant blast gases upwardly through the carburetor in a general vertical direction throughout substantially the entire vertical extent of said carburetor while burning the blast gases in the carburetor, and intermittently flowing water gas produced by passing steam through the said bed of fuel into the base of the carburetor and vertically upwardly therethrough throughout substantially the entire extent of said carburetor, introducing a heavy oil such as Bunker C or crude oil which upon decomposition forms carbonaceous deposits near the top of the path of unobstructed flow of the water gas downwardly into the upwardly flowing stream of water gas counter-current to the flow thereof whereby turbulence between the oil and water gas is produced and effective vaporization and cracking of the oil takes place causing the resultant carbonaceous deposits to settle through the upwardly flowing water gas stream so as to effectively vaporize any residual oil adhering thereto and repeating the aforesaid steps utilizing as the fuel bed only the said bed of fuel of coal origin, which is replenished from time to time.

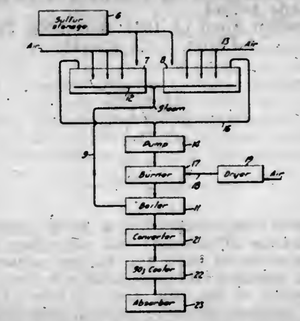
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2,118,333

**PRODUCTION OF SULPHUR DIOXIDE**

Ferd W. Wieder, Berkeley, Calif., assignor to Stauffer Chemical Company, a corporation of California

Application November 29, 1935, Serial No. 52,145
3 Claims. (Cl. 23—179)




2. That improvement in the art of manufacture of sulphuric acid by the contact process which consists in burning with substantially dry air sulphur, which has been first freed of its moisture by blowing a dry gas through the sulphur while it is molten, to produce the required $SO_2$.

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2,118,334

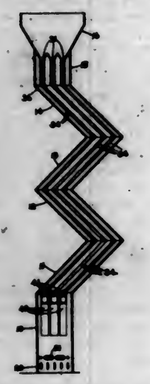
**PROCESS AND MACHINE FOR DRYING BEANS**

Clare E. Wilson, Sparta, Mich.

Application June 10, 1935, Serial No. 25,741
4 Claims. (Cl. 34—35)

4. A machine for treating beans comprising, a tower, a plurality of spaced bean passageways having foraminated sides leading downwardly through the tower, a plurality of air passageways parallel to the bean passages and between them, means for receiving beans or the like and feeding them into the several passageways, valve means located at each of the lower ends of the passageways, each of said valve means consisting of a roller member horizontally positioned and extending with its outer surface so as to normally close the respective passageway, means for

rotating the roller, said roller having a channel-shaped recess of predetermined size cut therein,



said recess occupying only a minor portion of the surface of the cylindrical roller.

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2,118,335

**FINGER RING**

Arthur Alvin Ahlquist, Norwood, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island

Application April 13, 1937, Serial No. 136,668
1 Claim. (Cl. 63—15)



A finger ring comprising a head member, a shank having bifurcated ends providing a pair of spaced arms at each end thereof attached to said head member and positioned in a plane passing centrally of the ring and at right angles to the axis thereof, one arm of each pair being an individual part attached to said shank, ornamental members bridging the space between the arms of each pair intermediate the points of connection to the shank and the head member, each ornamental member having an opening on each side thereof between the parts which it bridges.

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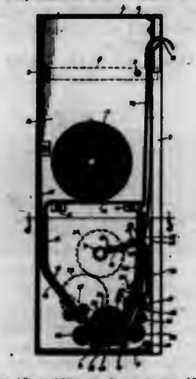
2,118,336

**PAPER TOWEL DISPENSING APPARATUS**

Rudolph G. Birr, Lombard, and Albert C. Grunwald, River Forest, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah

Application April 8, 1935, Serial No. 15,272
17 Claims. (Cl. 164—84.5)

1. A paper towel dispensing apparatus comprising, mechanism for feeding paper and severing it into lengths, including a shaft having an arm, a pivoted stop swingable into and out of the path of rotation of the arm, a connection by which the arm moves the stop into said path to prevent operation of said mechanism and thereafter allows independent movement of said stop away from stop position, a timer, connections between said stop and the timer for setting the timer as a result of motion of the stop into said path of rotation, said connection being thereafter



acted upon by the timer to move the stop out of said path.

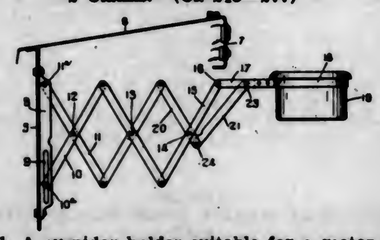
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2,118,337

**CUSPIDOR HOLDER FOR MOTOR VEHICLES**

Benjamin F. Blanchard, Linden, Ohio

Application April 2, 1937, Serial No. 134,601
2 Claims. (Cl. 248—277)



1. A cuspidor holder suitable for a motor vehicle including a stationary bracket having a vertical slot, a lazy tongs including arms of spring material having the extremity of one of its innermost arms slidingly connected with said slot and the end of its other innermost arm pivotally connected at a fixed point to said bracket whereby the lazy tongs is extensible and contractible in a substantially horizontal direction, some of said lazy tongs arms being flexed and pivotally connected at their outer ends in reverse to rub in action against contiguous arms and thereby generate friction for yieldingly resisting movement of said lazy tongs, means supporting said cuspidor at the outermost end of said lazy tongs including an arm having a cuspidor seat and said arm connected to the extremity of one of the outermost arms of the lazy tongs, and a link for supporting the said arm carrying the cuspidor seat, said link pivotally connected with said last named arm and to the other outermost arm at a point relatively near the pivotal connection of the said outermost arms of the lazy tongs.

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2,118,338

**HOUSE MODEL**

Frank Belhuis, Holland, Mich.

Application March 12, 1937, Serial No. 130,437
3 Claims. (Cl. 35—16)

1. In a structure of the class described, a frame having upstanding side walls, angle bars having vertically disposed panel-receiving slots secured



to the frame adjacent its several exterior and interior corners, outer panels having opposite ends detachably inserted and retained within the slots



of the exterior angle bars, and inner panels having opposite ends detachably inserted and retained within the slots of the interior angle bars.

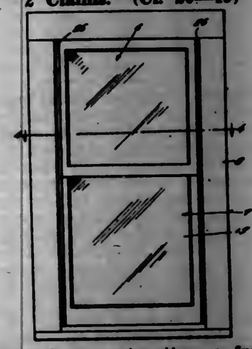
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2,118,339

**WINDOW CONSTRUCTION**

Judie Brent, St. Louis, Mo.

Application July 15, 1936, Serial No. 90,776
2 Claims. (Cl. 20—49)



1. In a window construction, a frame having a vertical fixed stile, a guide track secured vertically to the stile and having its longitudinal edges bent to form flanges directed obliquely from the stile, a window sash including a framing rail opposed to said track, a runner channel-shaped in cross-section and opposed to said track between the track and sash rail, the side walls of the channel having their free ends directed laterally into converging relation and having interlocking and tracking contact with said track flanges; said sash being pivoted to said runner, a stop plate secured to one side wall of the channel and overlying the sash rail, the free edge of said stop plate being formed into a key flange and said sash rail having a groove forming a keyway for reception of said key flange.

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2,118,340

**PARTING STRIP FOR CONCRETE ROADWAYS AND PAVEMENTS**

Edward W. Burgess, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application February 5, 1934, Serial No. 709,697
11 Claims. (Cl. 94—18)



1. A parting strip for pavements and highways comprising a sheet metal strip adapted to be disposed on edge in the paving material and a substantially continuous removable zig-zag tie bar extending laterally through horizontal slots in said strip and into the paving material on either side thereof, said tie bar having means thereon for determining its position relative to said strip and for retaining the bar against displacement laterally relative to said strip, and said means effecting a resilient engagement between the tie bar and said strip.

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2,118,341

**COMBUSTION CHAMBER FOR INTERNAL COMBUSTION ENGINES WITH IGNITION BY COMPRESSION**

Richard Colell, La Bergerie, Liancourt, France

Application January 29, 1936, Serial No. 61,436
In France February 14, 1935
2 Claims. (Cl. 123—32)



1. An internal combustion engine comprising a cylinder, a piston therein, a combustion chamber formed as a surface of revolution, a fuel injector therein, a passage connecting said cylinder to said chamber having an inner surface adjacent said combustion chamber and an outer surface spaced therefrom and said passage being tangential to the outer surface of said combustion chamber at both the inner and outer surfaces of said passage whereby the air current is projected tangentially into said chamber at both the inner and outer surfaces of said passage during the compression stroke of said piston.

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2,118,342

**HANGER FOR TROUSERS AND THE LIKE**

Thomas Francis Dillon, Phoenix, Ariz.

Application August 2, 1937, Serial No. 157,047
1 Claim. (Cl. 211—89)



A holder for articles of apparel, such as trousers or skirts, comprising a base member adapted to be secured to a supporting structure in a substantially horizontal position and having an open recess in the outer face thereof extending longitudinally thereof, a wooden supporting member having a continuous solid edge fitting within said recess intermediate the ends thereof with the body portion extending outwardly, and means for securing the solid edge of said supporting member in the recess of said base member, said means including inserts fitted within the ends of said recess and abutting against the solid edge of said supporting member, said supporting member having the grain of the wood thereof extending at an acute angle to the vertical plane of said base member and having a plurality of spaced parallel resilient fingers integral therewith and extending with the grain of the wood at an acute angle to said solid edge for holding and supporting articles of apparel therebetween.

2,118,343
**LINE JUSTIFIER FOR TYPEWRITERS**
Nugent Dodds, Washington, D. C.
Application December 16, 1936, Serial No. 116,179
4 Claims. (Cl. 197—84)



3. A line justifier for typewriters including a rack bar, teeth of standard pitch on the opposite ends of the bar, a plurality of series of teeth on said bar each of which series extends between the standard pitch teeth, the teeth of each series being of different pitch from the pitch of the other series.

2,118,344
**RADIATOR SCREEN**
David A. Erickson, Hamill, S. Dak.
Application May 21, 1937, Serial No. 144,051
1 Claim. (Cl. 210—149)



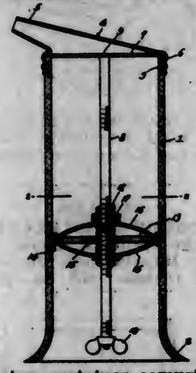
A device of the class described comprising a rectangular frame of sheet metal having a plurality of transversely disposed upwardly bowed supports extending from the inner side edges thereof, and a sheet of foraminous material stretched over said supports and secured at its edges to said frame around the inner edges of the latter, said supports each comprising a pair of opposed extensions of angular form arising from the inner side edges of said frame, respectively, and having free ends crimped into tubular form, and a rod having its opposite ends secured in said free ends of said extensions respectively.

2,118,345
**ARRANGEMENT IN BOGIES FOR RAILWAY CARRIAGES AND THE LIKE**
Joel Samuel Fries, Stockholm, Sweden
Application May 5, 1937, Serial No. 140,939
In Sweden July 18, 1936
1 Claim. (Cl. 105—182)



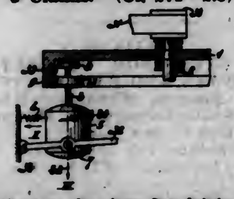
In a bogie for railway cars, the combination of a frame, two pairs of wheels, axles for said wheels, a pair of bearing boxes for journalling each axle, below each bearing box a supporting leaf spring suspended at its centre to the bearing box and having its ends connected to the frame to support the latter, along each side of the frame a cradle leaf spring disposed at a higher level than said supporting springs and arranged substantially symmetrically relative to the centre of the frame, said cradle springs having their ends suspended by the frame, pivot means for journalling and supporting a railway car, means for transmitting the load from said pivot means to the centre of the cradle springs from underneath the latter, the suspended ends of said cradle springs being disposed between the adjacent ends of the supporting springs and the corresponding wheel axle.

2,118,346
**DISPENSING CONTAINER**
Edward J. Geerits and Benjamin A. Meyer, Arlington, Minn.
Application February 12, 1938, Serial No. 190,296
2 Claims. (Cl. 221—79)



1. A dispensing container comprising a cylindrical receptacle having a closure member threaded onto one end thereof including a laterally extending spout, a cross bar clamped to said end of the receptacle diametrically thereof by said closure member, a screw shaft extending from said bar into the receptacle axially thereof and having an outwardly flared end rotatably mounted in said bar, and a wing nut on its opposite end for rotating the shaft, a disk-like plunger of resilient flexible material slidably fitting in said receptacle and axially apertured, and means connecting the plunger to the shaft for movement along the receptacle under rotation of the shaft comprising a sleeve threaded onto the shaft and extending through said aperture in the plunger, and a pair of concavo-convex disks of resilient metal threaded onto the sleeve on opposite sides of the plunger, respectively, for adjustment relative to said sides thereof to clampingly engage the plunger therebetween.

2,118,347
**MECHANICAL SOUND RECORDING APPARATUS**
Jan Jesayas Hardenberg, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application September 28, 1936, Serial No. 103,039
In Germany September 30, 1935
3 Claims. (Cl. 271—2.3)



8. A driving mechanism for driving at the recording point a film to be mechanically recorded, comprising a driving wheel having a large-diameter driving surface, a smooth-faced film-driving roller rotatable with said driving wheel, a shaft, a motor directly connected to said shaft, two friction wheels mounted on said shaft and adapted to be selectively placed into engagement with said driving surface, and means to move said shaft to thereby place one of said friction wheels in engagement with said driving surface only during the starting of the mechanism and to place the other friction wheel in engagement with said driving surface only during normal running of the mechanism.

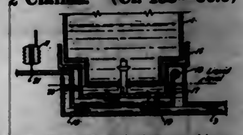


2,118,348
**CONVEYER**
Arthur Hoefleur, Chicago, Ill.
Application January 13, 1936, Serial No. 58,942
3 Claims. (Cl. 198—189)



1. In a conveyer chain, a link comprising two spaced side walls interconnected by a third side wall, each wall being integrally connected with an end wall having a curved face, each of said two spaced side walls being provided with a curved recess and said recesses being concentric about a common axis, and a shank projecting from said curved face and being provided with a shaft having an axis positioned at right angles to said common axis, each of said two spaced side walls being provided with a curved end concentric about said common axis.

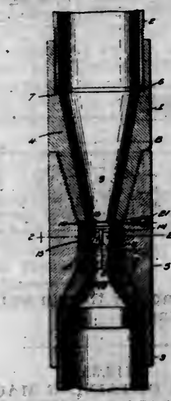
2,118,349
**DEVICE FOR THE INTERRUPTION OF THE FUEL SUPPLY TO A BURNER FOR LIQUID FUEL**
Adriaan Marinus Isaac Hoogendam, Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 11, 1937, Serial No. 119,981
In the Netherlands January 18, 1936
2 Claims. (Cl. 158—36.6)



1. A device for the interruption of the fuel supply to a burner for liquid fuel fed from a reservoir in which a constant liquid level is maintained comprising a reservoir, a cup in said reservoir, said cup having an opening in its vertical wall, a hinge connecting one side of said cup to the reservoir, an elongated handle attached to the opposite side of said cup, a thermostat connected to said handle whereby said cup may be raised above the liquid level in said reservoir.

2,118,350
**COUPLER FOR ROTARY WELL DRILLS**
Clinton B. Holt, Cotton Valley, La., assignor of one-half to E. P. Lewis, Cotton Valley, La.
Application February 15, 1937, Serial No. 125,882
3 Claims. (Cl. 285—146)

1. A coupler comprising male and female members, a screw threaded connection between said members, teeth formed on the male member, a locking ring carried by the female member to engage the teeth of the male member to prevent unthreading of said male and female members, a spring mounting secured in the female member and including spring pressed pins to engage the locking ring to prevent rotation thereof and to urge the locking ring into a position so that it will engage the teeth of the male member, and means located in the female member and connected to said pins to be engaged by a plug passed through the male and female members for disengaging the locking ring from the male member.



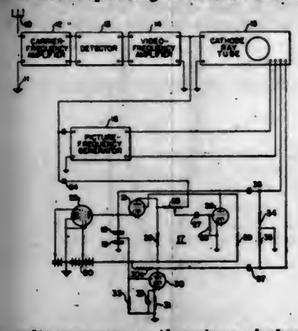
2,118,351
**RECOVERING VANADIUM OXIDES FROM OIL**
Hendrik Jan Jakob Janssen, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 13, 1936, Serial No. 105,399. In the Netherlands October 24, 1935
3 Claims. (Cl. 23—17)

1. In a process for the recovery of metals from mineral oils containing the same, the steps of atomizing said oil, effecting combustion of said atomized oil in a furnace continually producing flue ash particles substantially all of from 100 to 200 microns in diameter separating the said flue ash particles from the flue gas stream by means of a cyclone separator and thereafter recovering metal from said particles.

2,118,352
**PERIODIC VOLTAGE GENERATOR**
Harold M. Lewis, Douglaston, Long Island, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application February 12, 1936, Serial No. 63,574
5 Claims. (Cl. 250—36)

1. A periodic voltage generator comprising means for generating a first periodic voltage having a predetermined polarity relative to ground and including as a functional part thereof an impedance element having a point of intermediate potential, voltage repeating means including an input circuit, a direct connection between said input circuit and said circuit element at said point of intermediate potential, the repeating characteristic of said repeating means being so related to its coupling to said generating means as to cause said repeating means to produce a second periodic voltage of substantially the same amplitude and wave form as said first voltage but of opposite polarity relative to ground, an output circuit for said generator, and means for

connecting said output circuit to said generating means and said repeating means so that said two



periodic voltages appear therein as balanced oppositely poled voltages.

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2,118,353
**PROCESS FOR OBTAINING MAGNESIUM OXIDE FROM DOLOMITIC ROCK**
Walter H. MacIntire, Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine
No Drawing. Application February 15, 1937, Serial No. 125,930
8 Claims. (Cl. 23—201)

1. A process which consists in forming a cold water suspension of a comminuted dolomitic calcine comprising $CaCO_3$ and MgO, permitting hydration of the suspended MgO to ensue, then bringing the hydrated MgO content of the calcine into solution by injecting hydrogen sulfide gas into the suspension, clarifying the solution and boiling the clarified solution.

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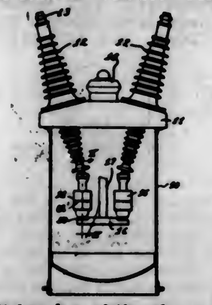
2,118,354
**CATAMENIAL CALENDAR**
Edward E. Mansur, Jefferson City, Mo.
Application March 26, 1936, Serial No. 71,002
5 Claims. (Cl. 40—115)



1. A calendar of the class described comprising a plurality of relatively movable indicator members, month-designating legends associated with one of said indicator members, said indicator member having means arranged in a manner to selectively display said legends, a series of day of the month-indicating numerals carried by said indicator member and adapted to indicate the days of the particular month whose legend is displayed by said display means, a second indicator member disposed upon said first-mentioned indicator member and having a cut out portion arranged to expose at one time substantially all the day of the month-indicating numerals of the first-mentioned indicator, another series of day of the month-indicating numerals but disposed on said second mentioned indicator member adjacent the cut out portion thereof and arranged in prolongation of the similar series of numerals of said first-mentioned indicator, said second-mentioned indicator being movable relatively of said first-mentioned indicator in a manner so that a part of the numeral-carrying portion thereof will overlie sufficient numerals of the series of the first-mentioned indicator member so that the last number of such series will designate the last day of the particular month whose legend is displayed, an exposed succeeding month-designating legend on said first-mentioned indicator opposite the day of the month-indicating numeral series of the second-mentioned indicator member, a third indicator member disposed upon said second-mentioned indicator and formed to expose the numeral series of said first and second-mentioned indicator members, a series of indicia items on said third member adjacent to and substantially parallel with said numeral series of said other indicator members, said items of indicia of said third indicator member being spaced in the direction of the length of said series a distance substantially equal to the spacing of said numerals, means holding said indicator members assembled, and said third indicator member having a cut out disposed opposite certain indicia items of said series and extending lengthwise thereof.

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2,118,355
**CIRCUIT BREAKER**
George A. Matthews, Detroit, Mich., assignor to The Detroit Edison Company, Detroit, Mich., a corporation of New York
Application November 15, 1934, Serial No. 753,685
15 Claims. (Cl. 200—149)



1. A circuit breaker of the character described comprising a substantially tubular chamber having an enlarged portion defining a pocket and adapted to contain an arc extinguishing fluid, an elongated contact actuating member disposed in said chamber and adapted for axial movement thereof, a stationary contact in said chamber and spaced from said pocket by a tubular chamber wall formed of material capable of evolving an arc extinguishing medium when contacted by an arc, a cooperable contact carried by said actuating member, and a rod extension carried by said actuating member beyond said cooperable contact for movement therewith to maintain the volume of said chamber constant during a circuit breaking movement of said actuating member, said rod extension being of insulating material capable of evolving an arc extinguishing medium when contacted by an arc.



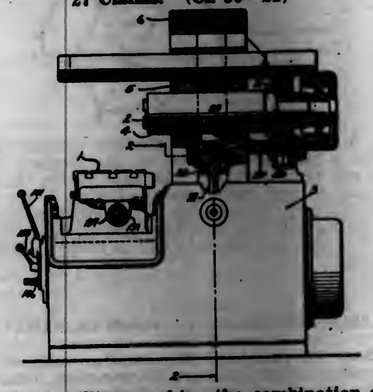
2,118,356
**ONE-WAY VALVE**
Roland H. Money, Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application March 7, 1935, Serial No. 9,843
1 Claim. (Cl. 251—119)



A valve structure including a plate or the like having a port therein, an elongated flexible valve having a hole in each end thereof and seated over said port, a rigid bridging member in normal operation slidably retaining the ends of said valve against said plate and having holes registering with the holes in the ends of said valve, said valve and said bridging member being bodily movable outwardly from said plate in response to excessive pressure at said port, means including pins secured to said plate and entering the holes in said valve and said bridging member for guiding the bodily outward movement of said valve and of said bridging member with respect to said plate, and means including a second bridging member fixed to said pins and spring means interposed between said second bridging member and said rigid bridging member for urging said rigid bridging member against said valve and plate.

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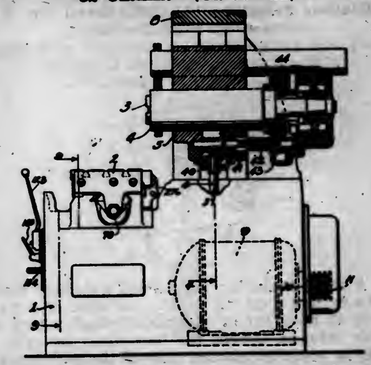
2,118,357
**MACHINE TOOL**
Fred A. Parsons, Milwaukee, Wis., and Walter M. Pohl, Washington, D. C., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application February 26, 1936, Serial No. 65,774
27 Claims. (Cl. 90—21)



1. In a milling machine the combination of a rotatable spindle, a work support reciprocable in a path transverse to the spindle axis, a spindle transmission including a shiftable interruptor, a support transmission including reversing means, a feed rate train driven to be interrupted simultaneously with the shifting of said spindle interruptor to interrupting position, and a quick traverse rate train continuously driven irrespective of the position of said interruptor, said trains providing an overrunning device effecting automatic connection of said feed train whenever said quick traverse train is inoperative, and control mechansim for said transmissions including a first manually controlled controller for independent operation of said support reversing means, a second independently operable manually controlled controller for alternative selection of the one or the other train to actuate said support, a third controller manually controlled for shifting said interruptor, dog controlled means operative to shift said reversing means and substantially simultaneously to connect said quick traverse train, and means limiting the operation of said dog controlled means to effect reversal and connection of said quick traverse train in the order recited.

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2,118,358
**MACHINE TOOL**
Fred A. Parsons, Milwaukee, Wis., and Walter M. Pohl, Washington, D. C., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application November 4, 1936, Serial No. 109,112
32 Claims. (Cl. 90—21)



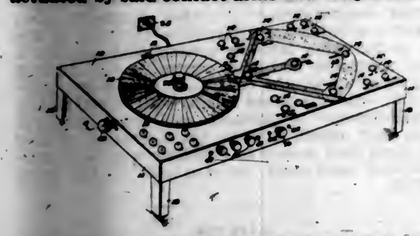
1. In a machine tool the combination of a transmission mechanism including a member shiftable to alternative positions for altering the transmission effect, a piston connected for shifting said member, a cylinder for said piston, said piston having alternative positions corresponding to the member positions, a pressure fluid source, channel means for connecting said source with the opposite cylinder ends, control valve means having alternative positions respectively corresponding with the different piston positions and associated with said channel means for directing the pressure fluid to the one or the other cylinder end, and outlet channel means connected with a portion of said cylinder intermediate its ends to receive the pressure fluid only after said piston has moved to the position corresponding to the valve position.

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2,118,359
**GAME**
Lawrence Quinn, Oil City, Pa.
Application April 16, 1937, Serial No. 137,353
8 Claims. (Cl. 273—93)

1. In a game board apparatus of the type described, a game board, a rotatable disk mounted on said board bearing on its surface a plurality of designations of plays of the game, a plurality of electric lamps mounted upon said game board and associated with play designations complementary to those appearing on said disk, circuits for said lamps, contacts for said circuits beneath said disk on said board, contact arms carried by said disk to engage said contacts and close said

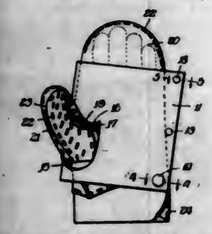
circuits, and a plurality of rotatable elements actuated by said contact arms and adapted when



at rest in certain positions to bridge certain pairs of said contacts.

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2,118,360
**HAND AND GLOVE PROTECTOR**
Samuel N. Seger, Chicago, Ill.
Application February 11, 1935, Serial No. 5,909
5 Claims. (Cl. 2—161)



1. A hand protector comprising a strip of material to extend over the front and back of a hand having an aperture at one side through which the thumb extends, means for fastening the ends of the strip together at the side of the hand opposite the thumb, and a flap at the top of the thumb opening longer at the inner side of the thumb so that the flap will assume a position against the thumb inclined inwardly to the palm of a hand to which it is applied.

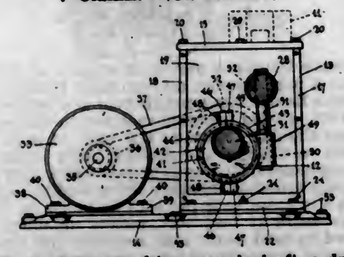
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2,118,361
**QUICK ACTION NUT**
Ethan A. Schaeffer, Jr., Springfield, Ohio
Application December 9, 1936, Serial No. 114,983
4 Claims. (Cl. 85—33)



1. In a quick acting nut, a pair of internally threaded rotatable members, a lever connected with each of said members, a pivot for pivotally connecting said levers together, a coil spring arranged about said pivot, the ends of said coil spring being extended and bearing respectively against the interior faces of said levers.

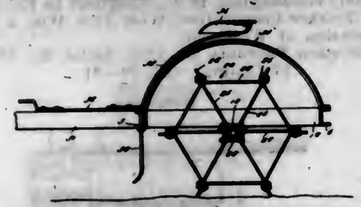
2,118,362
**MIXING MACHINE**
Fred A. Schlatz, St. Paul, Minn., assignor to Miracle Paint Rejuvenator Company, Incorporated, St. Paul, Minn., a corporation of Minnesota
Original application February 2, 1933, Serial No. 654,874. Divided and this application November 8, 1935, Serial No. 48,862
7 Claims. (Cl. 259—56)



1. In a mixing machine, a rock shaft, a driving shaft, an eccentric disc operated by said driving shaft, an eccentric strap encircling said eccentric disc, a guide formed in said eccentric strap, a connecting rod slidable in said guide and secured to said rock shaft, and a holder attached to said rock shaft.

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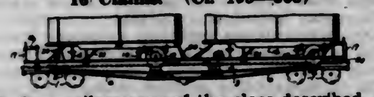
2,118,363
**STALK CHOPPER**
Eugene D. Schwarz, Loraine, Tex.
Application September 29, 1937, Serial No. 166,407
2 Claims. (Cl. 55—61)



1. A multiple row stalk chopper comprising a frame, a pair of end reels, an intermediate reel, said end reels provided with axle shafts, the intermediate reel being provided with a tubular axle shaft, the inner ends of the end reel shafts projecting into the end portions of the tubular shaft of the intermediate reel to form trunnions therefor.

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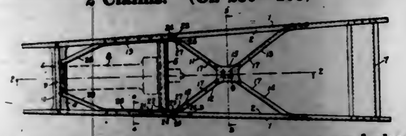
2,118,364
**RAILROAD-HIGHWAY VEHICLE STRUCTURE**
William M. Sheehan, Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application June 20, 1936, Serial No. 86,282
16 Claims. (Cl. 105—368)



1. In a railway car of the class described, side sills, underframe transom structure extending between said sills and having a top face with depressions between its ends and sides for receiving the lower portions of the wheels of a highway vehicle mounted on the car.



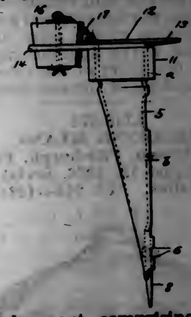
2,118,365
**AUTOMOBILE FRAME**
Donald W. Sherman, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 21, 1933, Serial No. 686,020
2 Claims. (Cl. 280—106)



1. In an automobile frame, two opposed sheet metal channel-shaped side rails extending longitudinally of the frame, a plurality of cross bars connecting said side rails transversely of the frame, a channel-shaped sub-rail extending parallel to each side rail for a predetermined distance and having its flanges facing the corresponding flanges of the side rail and secured thereto to prevent vibration and lateral weaving of the side rails, the flanges of the sub-rails being disposed beneath the flanges of the side rails, and one end of each sub-rail being curved downwardly below the plane of the side rails and inwardly for attachment to a cross bar.

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2,118,366
**PUNCH SPOUT**
Rudolf J. Spielvogel, Chicago, Ill.
Application April 5, 1937, Serial No. 135,202
2 Claims. (Cl. 221—23)

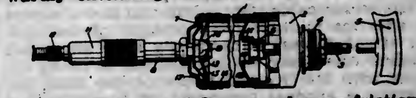


1. A punch spout comprising an elongated substantially tubular member tapered from the corner adjacent one end thereof to the opposite end thereof, said tubular structure being provided with a pointed extension at the last-mentioned end, said pointed extension consisting of a removable pin on the reduced end of the tubular structure, the reduced end portion of the tubular structure being provided with transverse slits, the areas of the reduced end of the tubular structure between the slits being bulged laterally in opposite direction to provide a passageway for the reception of the pin.

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2,118,367
**LUBRICATING DEVICE**
Harry R. Tear, Evanston, Ill., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware
Application August 12, 1936, Serial No. 95,499
5 Claims. (Cl. 221—47.4)

1. A lubricant supply cartridge comprising, a cylindrical wall portion having a fixed closure provided with an outlet opening at one end defined by a flange extending into the cartridge, a piston slidably mounted in the cartridge and forming a movable closure for its opposite end, said piston having an opening therein in register with said outlet opening, and defined by a rearwardly extending circular flange adapted to fit



over said first named flange, and a cap frictionally fitting over the outside of said last named flange whereby a force exerted on the cap in the direction of the outlet opening will urge the piston through the cartridge but a force exerted on the cap through the outlet opening will remove the cap from the piston.

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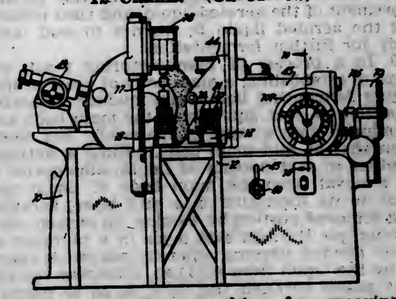
2,118,368
**ELECTRICAL CONTACT TARGET DEVICE AND A MISSILE**
Jack Tyllyer, Hove, England
Application October 31, 1936, Serial No. 108,664
In Great Britain October 31, 1935
9 Claims. (Cl. 273—106.5)



1. A missile having a leading end, a plastic mass thereon and comprising a commercial soft plastic modeling compound, and metal fibers interspersed in the compound and rendering same electrically conductive.

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2,118,369
**MACHINE FOR GRINDING LAMINATED ARTICLES**
Edgar D. Vancil, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application March 26, 1936, Serial No. 70,982
12 Claims. (Cl. 51—92)

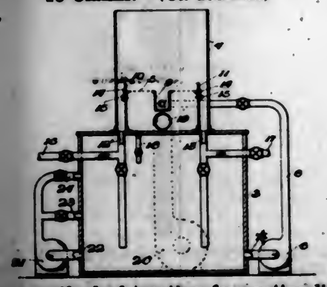


11. In a grinding machine for grooving a laminated body or the like, the combination with a grinding wheel support, of a mechanism opposing the wheel for determining presentation of

work in operative relation thereto, including a support for introduction of a work piece, a work carrying slide adjacent the support and reciprocable in a direction tangentially of the grinding wheel face, a first power operable means for raising the work from the support and securing same on the reciprocable slide, additional power means for effecting multiple reciprocations of the slide and attached work tangentially as respects the grinding wheel face, means operable in timed relation with the reciprocations of the slide for effecting a gradual movement of the slide and work in a radial direction as respects the operative face of the grinding wheel, and means for discontinuing both the feeding and reciprocating movements.

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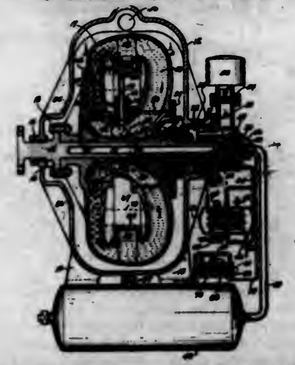
2,118,370
**METHOD OF TREATING FERMENTING LIQUIDS**
Karl Alexander Wesslblad, Hans Elis Abraham Gäth, and Johan Olof Nauclér, Stockholm, Sweden, assignors to Industrikemiska Aktiebolaget, Stockholm, Sweden, a Swedish joint-stock company
Application May 13, 1936, Serial No. 79,602
In Sweden January 30, 1932
15 Claims. (Cl. 195—95)



1. In a method of treating fermenting liquids, the steps of establishing a main body of fermenting liquid, continuously removing from said main body a small portion thereof, elevating the removed portion, forming said removed portion into a relatively thin layer of controllable depth, said depth being materially less than that of said main body, subjecting said layer to distributed air under a sufficient pressure to force the air through the layer in finely divided condition, whereby oxygen is taken up by the liquid from the air, removing the air that passes through said layer without its participation in the further movement of the aerated liquid, and then returning the aerated liquid by gravity to said main body for further fermentation.

9. In a process of manufacturing yeast, the steps of establishing a main body of yeast propagating fermenting liquid, continuously removing a portion of said liquid from the main body and forming it into a layer of materially less depth than that of said main body, adding a nutrient solution to said portion of liquid subsequent to its removal from the main body of liquid and prior to its formation into said layer, aerating said removed portion by passing an oxygen-containing gas through said layer in a plurality of finely divided streams, whereby oxygen is taken up by the liquid from said gas, removing the gas that passes through the layer so as to prevent its participation in further circulation of the aerated liquid, and returning the aerated portion of liquid to said main body for further yeast propagating fermentation.

2,118,371
**GAS COMPRESSOR**
Carl A. Bergmann, Milwaukee, Wis., assignor to Walter D. Mann, Milwaukee, Wis.
Application October 25, 1935, Serial No. 46,807
19 Claims. (Cl. 230—168)



1. In a compressor, a rotor having therein a plurality of compression conduits extending away from the rotor axis, means for delivering mixed gas and liquid into the inner portions of each of said conduits, means communicating with said compression conduits for separating the compressed gas from the liquid, and means for independently conducting gas and liquid away from said separating means, said compression conduits having their inner portions curved away from the direction of rotation of the rotor and then extending with less curve approaching a straight line toward the periphery of the rotor to prevent premature separation of the gas from the liquid.

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2,118,372
**SECURING MEANS**
Ray Brown, Pittsburgh, Pa.
Application August 19, 1936, Serial No. 96,832
4 Claims. (Cl. 240—128)

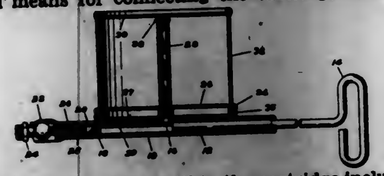


1. A light shield comprising an arcuate metal plate adapted to be secured to the margin of a shade, the plate having a curved channel-shaped edge shaped to embrace the edge of said shade, and means engaging opposite surfaces of the edge of said shade holding said edges in contact.

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2,118,373
**LUBRICATING DEVICE**
John L. Creveling, Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind., a corporation of Delaware
Application September 17, 1931, Serial No. 563,402
5 Claims. (Cl. 221—47.3)

2. A lubricant gun including, a body having a chamber with an inlet opening, a tubular member permanently secured to and projecting from the body in communication with the opening, a piston slidable on the tubular member, a lubricant cartridge open at its inner end, closed at its outer end and adapted to receive the piston, and means for connecting the cartridge to the

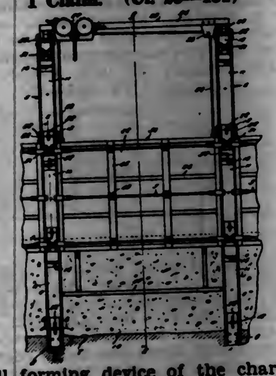


body with the piston within the cartridge including a threaded connection between the inner end of the cartridge and the body forming the sole means for holding the cartridge in position to cooperate with the piston.

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2,118,374
**CONCRETE FORM**
Conrad Walton Doyle, Warrendale, Oreg.
Application February 19, 1936, Serial No. 64,737
1 Claim. (Cl. 25—131)

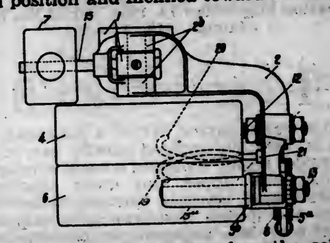


A wall forming device of the character described, said device comprising a vertical frame having channel posts longitudinally spaced along the location for the wall, wall forms slidably engaged with the posts and extending therebetween, and means for elevating and lowering the wall forms, tightening rods extending between the longitudinally spaced posts and engaging outside portions of the corresponding wall forms, and means releasably securing the rods to the posts comprising bifurcated locking members positioned within the channels of the posts and notched locking heads on the ends of the rods positioned crosswise of the locking members with the notches engaging the bifurcations of the locking members.

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2,118,375
**SELVEDGE GUIDE APPARATUS FOR FABRICS**
Julien Dungler, Thann, France
Application March 30, 1936, Serial No. 71,639
In France June 14, 1935
6 Claims. (Cl. 26—67)

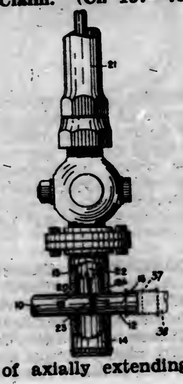
1. A guide mechanism for a travelling web comprising a pair of guide heads having a frame pivoted to swing freely on an axis transverse to the direction of travel of said web, adjustably disposed adjacent opposite selvedge edges and normally inclined towards the direction of travel, a pair of rollers in each of said frames disposed against each other for engagement with the respective edges of the web, fabric engaging means carried by said frame and spaced from said rollers for imparting a progressively increasing undulating course to the web as it is displaced laterally towards the respective guide head and whereby the frictional effect is increased at said guide head and decreased at the other end, said means being so arranged that the friction is substantially equal at both edges of the web and at a minimum when the web travels in the normal course, adjustment means for controlling the position of said frame and said rollers so that they may be positioned transverse to the direction of movement of the fabric when the selvedges are to be maintained in their normal predetermined position and inclined toward the direction



of movement of the fabric when the selvedges are moved inwardly from said predetermined position and away from the direction of movement of the fabric when the selvedges are moved outwardly from said predetermined position, balancing means for normally maintaining said frame in a state of equilibrium and mounted on said guide head so as to counteract the effect of said increased friction, whereby a lateral displacement of the web towards one guide head and the consequent increase in friction will cause the respective frame to swing gradually and smoothly with the travel and whereby the consequent decreased friction at the other guide head will cause the respective frame to swing gradually and smoothly in the opposite direction until frictional engagement with the fabric is automatically reestablished pulling the fabric back to its normal course.

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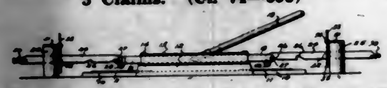
2,118,376
**METHOD FOR EXTENDING PIPE LINES UNDER PRESSURE**
Emery Dutch, Bronx, N. Y.
Application March 16, 1935, Serial No. 11,433
1 Claim. (Cl. 137—73)



A method of axially extending a main pipe

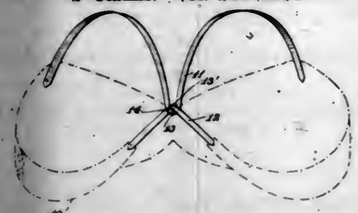
line under pressure at a closed or dead end thereof, consisting in securing in a sealed manner a transverse pipe on said main pipe line at said end in such a manner, that said end is within the enclosed space of said transverse pipe, one end of said transverse pipe being open, while the other end is closed; securing an extension of said main pipe line to said transverse pipe in communication with the space in said transverse pipe and removing the parts of said main line and said main pipe extension within said transverse pipe through the open end thereof, substantial without loss of pressure or fluid.

**2,118,377**
**WELL PUMPING DEVICE**
**William J. Gourley and Fred H. Barney, Fort Worth, Tex.**
**Application September 14, 1934, Serial No. 744,022**
**5 Claims. (Cl. 74—593)**



5. In a well pumping device, a stationary support, a horizontally opposed parallel pair of elongated guides rigidly mounted on said support and each including upper and lower longitudinal members spaced apart, a carriage reciprocating between the guides and having a supporting roller at each side engaging peripherally in the adjacent guide between the upper and lower members thereof, whereby the carriage is retained against lateral movement and is given sufficient play to move freely, and also whereby minimum contacts between the carriage wheels and their supports are provided, an upright knock-off post, a bar slidable through the post and having notches in one of its edges, means pivoted to the carriage and engaging a notch in the bar, a knock-off stirrup co-acting with the post for engaging in a notch of the bar to permit said means to become disengaged therefrom.

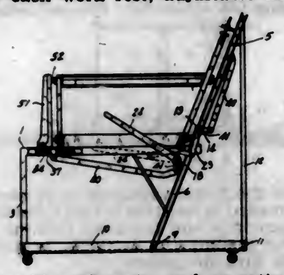
**2,118,378**
**SUSPENSION STRAP**
**Charlotte Graham, New York, N. Y.**
**Application May 26, 1937, Serial No. 144,861**
**2 Claims. (Cl. 241—12)**



1. In a shoulder strap suspension for garments, two resilient substantially flat ribbons, obliquely and flatly folded upon themselves at substantially their center portions, the folded portion of one ribbon interengaging the folded portion of the other ribbon, both ribbons being fixedly connected with one another at the place where they meet to form a flat joint.

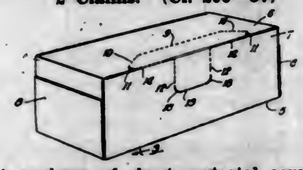
**2,118,379**
**DAVENPORT CLAMP**
**Harry A. Green, Portland, Oreg.**
**Application March 13, 1935, Serial No. 10,848**
**Renewed November 3, 1937**
**9 Claims. (Cl. 144—291)**

1. A davenport clamp comprising, two frame sections, one of said sections lying in a horizontal plane and the other upright, spaced, independently adjustable work rests provided on each of said frame sections, a work clamping member secured to each work rest, adjustable abutments



opposing said work rests, and operating means connected with said work rests for simultaneously advancing them toward their respective abutments.

**2,118,380**
**PACKAGE FOR SHEET MATERIAL**
**William A. Greesens, Neenah, Wis., assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware**
**Application January 30, 1935, Serial No. 4,118**
**2 Claims. (Cl. 206—57)**



1. A package of sheet material comprising a paper board box of greater length than width and of a depth approximating its width, said box having a top wall provided with an elongated, narrow area bounded by a scored line spaced rearwardly from the front edge of said top wall, outwardly and forwardly inclined scored lines extending from the opposite ends of said rearwardly disposed scored line, another scored line located in the corner formed between the top wall of the box and the front wall thereof, the front wall of the box being provided with spaced scored lines extending downwardly from said corner scored line and a longitudinally extending scored line connecting the lower ends of said downwardly extending scored lines, the top and front wall portions surrounded by said scored line being removable to provide an elongated, narrow dispensing opening of such proportions as to make it impracticable for a hand to be inserted in the box to withdraw sheets therefrom when the supply thereof is partially exhausted, and an opening in the front wall communicating and cooperating with a portion of said dispensing opening to form an access opening through which a hand may readily be inserted for removing sheets from the box when the supply thereof is low.

**2,118,381**
**LUBRICATING APPARATUS**
**George A. Hunter, Los Angeles, Calif.**
**Application January 2, 1935, Serial No. 34**
**2 Claims. (Cl. 221—74)**

1. A lubricating apparatus comprising: a base having a top wall thereon, a receptacle mounted

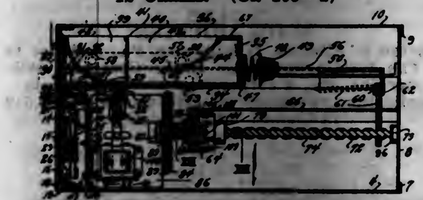


on said top wall, a pressure tank on said base below said receptacle and provided with an inlet from said receptacle and an outlet, a cylinder extended vertically from the bottom of said tank and coaxial with said inlet, a plunger slidable in



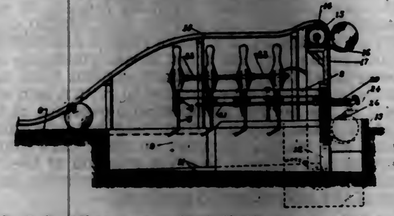
said cylinder, a valve on said plunger forming a closure for said inlet, and air supply means for said tank and for said cylinder, whereby air may be simultaneously supplied to said tank and cylinder for closing said valve and dispensing a lubricant from said outlet.

**2,118,382**
**CASH DRAWER**
**Charles F. Mellink, Toledo, Ohio**
**Application May 6, 1936, Serial No. 78,268**
**12 Claims. (Cl. 109—1)**



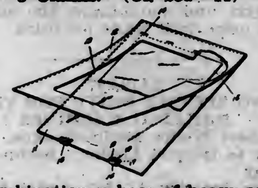
6. A drawer, a cabinet therefor providing a guide for the drawer in shifting into and out of the cabinet, actuating mechanism including a clutch-carrying traveling nut for shifting the drawer on the guide, and a catch device for closed position of the drawer.

**2,118,383**
**BOWLING GAME**
**Alphonse E. Page, Niagara Falls, N. Y.**
**Application March 9, 1936, Serial No. 67,748**
**3 Claims. (Cl. 273—44)**



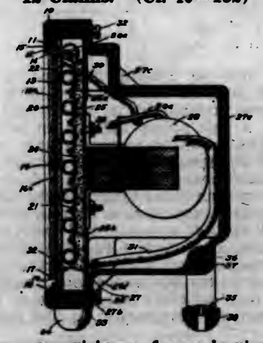
1. A bowling game installation comprising an alley in which the main surface on which the balls are rolled is similar in form to that of a standard bowling alley but in which the foot of the alley terminates in a V-shaped edge over which the balls roll into the space overlying the floor of a terminal pit, a frame rigidly mounted above the floor of the pit and spaced from said V-shaped edge, a plurality of bowling pins supported on said frame and mounted for rotation from an initial vertical position to an approximately horizontal position as a result of impact from a ball, the portions of the pins above the level of the alley being similar in shape to those of standard bowling pins, a spring catch for holding lightly each pin when in a vertical position, and a foot on each of said pins which projects below the level of the alley in the initial position of the pin, the initial position of the foot intersecting the trajectory of a ball which is rolled toward the corresponding pin with any velocity greater than a predetermined minimum velocity.

**2,118,384**
**PASTEL HOLDER**
**Merwin G. Patten, Cranston, R. I., assignor to The J. C. Hall Company, a corporation of Rhode Island**
**Application May 15, 1933, Serial No. 79,689**
**8 Claims. (Cl. 281—44)**



8. In combination, a base of heavy card board, a top of relatively resilient card board having a central recess, means comprising stapling for locking one edge of the top to one edge of the base in intimate permanent contact, and means comprising clips having tongues adapted to have the opposite edge of the top inserted therein for detachably holding the opposite edges of the top and base in intimate separable contact.

**2,118,385**
**ILLUMINATED SIGN**
**John J. Shively, New York, N. Y., assignor, by mesne assignments, to Service Devices, Incorporated, New York, N. Y., a corporation of New York**
**Application May 20, 1935, Serial No. 22,333**
**12 Claims. (Cl. 40—132)**



1. A sign comprising a frame having a transparent front supported thereon adapted to present display matter, a grid of luminous tubing, a reflector behind said grid comprising arcuate members behind each length of tubing therein, said reflector being in contact with said grid and adapted to direct light therefrom through said front so that all parts thereof are substantially equal in brilliancy, a support extending across the back of said frame and secured thereto and adapted to hold said grid and reflector in position, a transformer mounted on said support and

connected to said grid, and a rear casing secured to the rear of said frame and closing the open back thereof together with said frame inclosing all of the working parts of the sign.

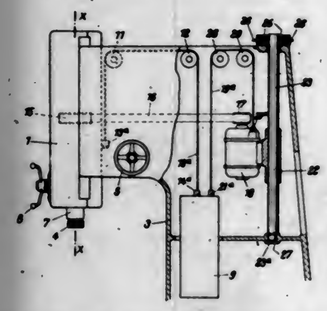
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2,118,386
**HYDROFLUORIC ACID COMPOSITION**
Carl F. Swinehart, Cleveland, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
No Drawing. Application December 27, 1933, Serial No. 704,268. Renewed May 4, 1937
11 Claims. (Cl. 41—42)

9. A process of making an etching composition, which comprises dry-grinding together ammonium bifluoride, sodium bifluoride, a soluble fluosilicate, a naphthalene sulphonate, and pulverulent starch, and maintaining the mass in dry powdered form until ready for using.

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2,118,387
**DRILLING SPINDLE DRIVE FOR VERTICAL DRILLING MACHINES**
Georg Robert Wölfle, Berlin-Pankow, Germany, assignor to Herbert Lindner, Berlin-Wittenau, Germany
Application January 4, 1937, Serial No. 119,947
In Germany July 27, 1936
6 Claims. (Cl. 77—36)

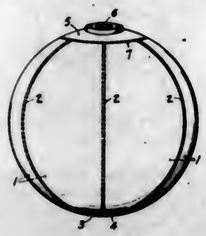


1. In a vertical drilling machine, a frame, a drill head slidable vertically of said frame, a drill spindle journalled in said head to move therewith, a belt pulley splined on said spindle, guide means mounted in said frame parallel to the axis of the spindle, a motor slidably mounted on said guide means and having a driving pulley, said guide means being spaced from said spindle to prevent the transmission thereto of vibrations from said motor, a horizontal belt connecting said pulleys, and means to counterweight the head and motor and separate means connecting each of said motor and said head to said counterweight to connect the head and motor for simultaneous vertical movements in the same direction.

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2,118,388
**METHOD OF MAKING A WELDED SPHERICAL VESSEL**
Frederick K. Zerbe, Waukesha, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application June 29, 1936, Serial No. 87,890
2 Claims. (Cl. 113—112)

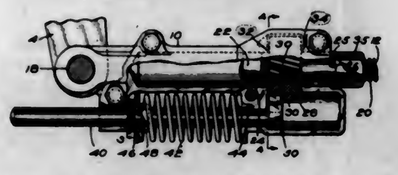
1. The method of fabricating a high pressure spherical container of heavy wall and employing Class I welded construction, comprising forming a body portion of a plurality of plates welded together edge-to-edge leaving a comparatively large opening therein, X-raying the welded seams in said body portion and utilizing said opening



for inserting the required X-ray equipment, then welding a head in said opening, the head having a small opening therein through which X-ray equipment may be inserted for a small distance, X-raying the head seam of the vessel, and then securing a closure over the opening in said head.

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2,118,389
**SLACK ADJUSTER**
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 19, 1935, Serial No. 50,518
18 Claims. (Cl. 188—202)



1. In an automatic slack adjuster for brakes, a plurality of brake rigging members having complementary threaded portions associated therewith, a rotatable member associated with one of said threaded portions, an element associated with the rotatable member and having a normal position and being axially movable relative to said rotatable member away from said normal position on movement of a brake rigging member beyond a predetermined point, means yieldingly opposing axial movement of said element from said normal position and operative to return said element to the normal position on movement of the brake rigging member from said predetermined point, and means operative on the return movement of said element to effect rotation of the rotatable member, and thereby effect relative rotation of the said threaded portions.

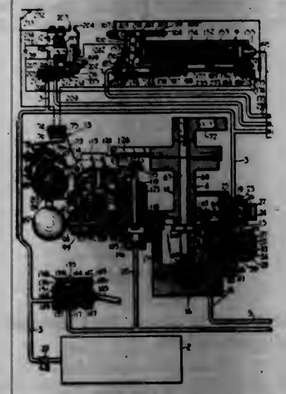
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2,118,390
**BRAKE CONTROL MEANS**
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 28, 1936, Serial No. 92,965
22 Claims. (Cl. 303—3)

1. In a brake equipment for vehicles, in combination, a brake cylinder, magnetic track shoe braking means for engaging the track rail, an electric circuit for energizing said track shoe



braking means, manually operable means for applying the brakes, and inertia responsive means responsive to the rate of retardation of the vehicle when the manually operable means is in a



brake applying position for maintaining the energizing circuit of said track shoe closed and for interrupting said circuit when the vehicle comes to rest.

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2,118,391
**FOOD COMPOUND**
Maximiliano Caballero Allain and Charles Walter Tracy, Brooklyn, N. Y.
No Drawing. Application December 14, 1935, Serial No. 54,396
1 Claim. (Cl. 99—100)

The method of preparing a food from bananas which method consists of boiling unripe bananas before the skins have been removed, after boiling, removing the skins, mixing the fruit of the boiled unripe bananas with the fruit of ripe bananas in their raw state, adding a flour, mixing the mass to a pasty consistency, drying the mass and simultaneously forming it into a relatively thin sheet and subsequently reducing the sheet to flakes.

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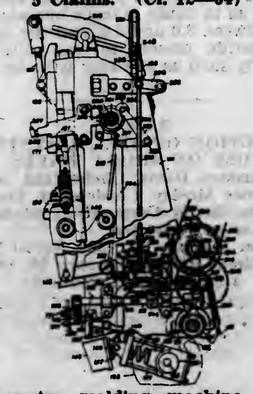
2,118,392
**HAT BLOCK CLAMP**
Maxwell H. Appel, Philadelphia, Pa.
Application September 29, 1937, Serial No. 166,237
1 Claim. (Cl. 223—25)



In a hat band clamp comprising an elongated strip of resilient material shaped to fit the interior of a hat, said material having overlapping ends, a plurality of brackets, one of said brackets adjacent each end of said material, a slot through the longitudinal axis of said material whereby the slotted end of the material and the bracket may telescope, each of said brackets having a threaded pivot therein, and a right and left hand threaded bolt connected to each of said pivots whereby movement of said bolt will expand or contract said clamp.



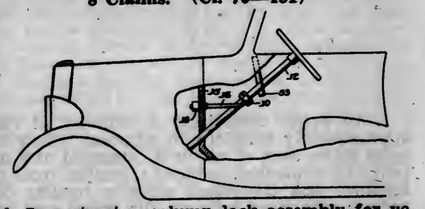
2,118,393
**COUNTER MOLDING MACHINE**
Leslie Hugh Bennion and William Arnold Smart, Leicester, England
Application October 22, 1937, Serial No. 170,495
In Great Britain June 17, 1936
5 Claims. (Cl. 12—64)



1. A counter molding machine comprising molding means, driving means, a clutch for operatively connecting the driving means to the molding means, a continuously driven cam for causing engagement of the clutch, means operated by a part of the machine which is movable to engage the work for disengaging the clutch, and a second cam operative to render the clutch disengaging means effective only at a predetermined stage in the operation of the machine.

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2,118,394
**STEERING COLUMN LOCK**
Frederick Bullis, Chicago, Ill.
Application March 18, 1935, Serial No. 11,585
8 Claims. (Cl. 70—451)



1. In a steering column lock assembly for vehicles, a securing means for a steering column lock body adapted to be secured to a steering column comprising a rod, means for anchoring one end of the rod to a stationary vehicle part, and means for securing the other end of the rod to the lock body, said last named securing means comprising a hub threaded into the lock body, said rod being secured to said hub but being provided as an element separate therefrom.

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2,118,395
**PROCESS OF ELECTROLYTICALLY DEPOSITING IRON**
William Arthur Crowder, Newark, N. J., assignor to Pyrene Manufacturing Company, Newark, N. J., a corporation of Delaware
No Drawing. Application July 24, 1935, Serial No. 32,884
5 Claims. (Cl. 204—1)

1. The process of electrolytically depositing iron which comprises electroplating through a

heated solution of ferrous sulphate containing hydrofluoric acid and sodium fluoride, the quantity of ferrous sulphate present in said solution being sufficient to bring it at the temperature of operation to a specific gravity of substantially 1.25 referred to water at 20° centigrade, the quantity of hydrofluoric acid present in said solution being such as to cause it to be operated at a pH ranging between 3.0 and 5.0, and the quantity of sodium fluoride present in said solution being substantially such as to cause it to be saturated therewith.

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2,118,396

**CONSTRUCTION OF AERIAL SYSTEMS FOR USE ON SHORT WAVES**

Norman Eustace Davis, Chelmsford, and Frederick James Ainsley, Chislehurst, England, assignors to Radio Corporation of America, a corporation of Delaware

Application January 10, 1935, Serial No. 1,190
In Great Britain January 20, 1934
4 Claims. (Cl. 250—33)



1. An aerial comprising a plurality of rigid, approximately parallel and adjacent hollow metallic masts each of which is composed of a plurality of conductive sections insulated from one another, and transverse metallic tubular connectors extending between the masts and connecting certain of the conductive sections together in series, the sections and transverse connecters being so arranged that said connectors together with the mast sections interconnected thereby constitute an aerial proper which is insulated from the rest of the mast structure, and hollow metallic braces interlacing said masts at points of zero alternating potential and insulated therefrom.

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2,118,397

**CORE BIT**

Charles A. Dean, Compton, Calif.

Application March 15, 1937, Serial No. 131,090
7 Claims. (Cl. 255—72)

1. A core drill comprising a bit head adapted to be attached to a hollow drill stem, a core barrel therein and a fluid passage around the core barrel, either the core barrel or the fluid passage being open for flow of fluid between the drill stem and the bottom cutters of the bit, means initially to close the fluid passage and to divert fluid through the core barrel, and means to close the



core barrel and to divert fluid through the fluid passage to the cutters.

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2,118,398

**FLUID PRESSURE BRAKE DEVICE**

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application September 20, 1934, Serial No. 744,804
4 Claims. (Cl. 303—1)



1. In a fluid pressure brake, a valve device comprising a casing having a fluid pressure outlet passage and a screw-threaded opening leading from said passage to the atmosphere, an exhaust fitting disposed wholly within said opening, and having screw-threaded engagement for its full length with said casing, said fitting having a counterbore open to said passage, a plurality of slots extending diametrically through the outer end and adjacent side portion of said fitting and opening into said counterbore, a screw driver slot extending diametrically through the outer end of said fitting and spaced from said counterbore, said slots, including said screw driver slot, being arranged so that angular spacing is substantially uniform, said fitting having a bore extending through the outer end to said counterbore at the point of convergence of said slots, and a plug disposed in said bore below the bottom of said screw driver slot.

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2,118,399

**COSMETIC HOLDER**

Giles C. Fullmer, Bridgeport, Conn., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut

Application October 31, 1934, Serial No. 750,801
8 Claims. (Cl. 206—56)

1. In a cosmetic holder, a casing having an open end and a longitudinal slot in a side wall, a carrier in the casing and movable toward and from the open end thereof, a support in the casing, a thumb piece exterior of the casing and connected to the support through the slot to shift the support in a direction longitudinally of the casing, a flexible resilient strip connecting the support and carrier and normally closing the slot, said strip being arranged so that on movement of the support in a direction away from the open end of the casing the carrier is moved toward said open end, a cover normally closing the open end of the casing, means hinging the cover to the support for swinging movement outwardly



away from the open end of the casing and for sliding movement along a wall of the casing with the support as the latter is operated to move the carrier toward the open end of the casing, and spring means to swing the cover across the opening when the support is returned to normal position.

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2,118,400

**LADY'S HANDBAG WITH REMOVABLE COVER**

James E. Goldberg, New York, N. Y.

Application April 9, 1936, Serial No. 73,427
7 Claims. (Cl. 150—33)



1. A ladies' handbag comprising a foundation bag, a removable cover having only a single main pocket dimensioned to receive the foundation bag, said foundation bag having a plurality of relatively large ornamental buttons on the outer sides thereof, and said cover having buttonholes so located as to be received over said buttons when the cover is placed over the foundation bag, and handles for said handbag, said handles having loops dimensioned to be received over the aforesaid buttons outside of the cover.

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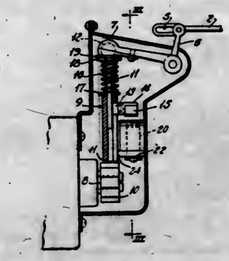
2,118,401

**AUTOMOTIVE ENGINE CONTROL SYSTEM**

John Good, Garden City, N. Y., assignor to Automatic Motor Stop and Start, Inc., New York, N. Y., a corporation of New York

Application May 26, 1934, Serial No. 727,680
10 Claims. (Cl. 123—179)

1. In an automotive control system, the combination with a rotating surface of polygonal formation to which motion is normally imparted from the engine crank shaft, a feeler subject to displacement by contact therewith, an operating member for advancing the feeler into engagement



with said polygonal surface and means for translating the effect of such displacement.

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2,118,402

**MIS-CUT ROTARY SHEARS**

Karl William Hallden, Thomaston, Conn.

Application January 10, 1936, Serial No. 58,496
3 Claims. (Cl. 164—68)



2. In a mis-cut rotary cutter, a frame, an upper rotary cutter supported therein, drive means, means connecting said drive means and cutter for effecting continuous rotation thereof, a lower cutter and means connecting the same with said drive means operating likewise to effect continuous rotation thereof, blocks slidably supported in said frame serving as the means for supporting the bearings for said lower cutter, an auxiliary shaft supported by said frame and provided with means for operative connection with said drive means, cams on said shaft and positively connected to said blocks for effecting movement thereof responsive to rotation of said auxiliary shaft, whereby means are provided for positively shifting the relation of the two cutters for effecting cut and mis-cut, clutch means for checking rotation of the auxiliary shaft for use in holding the same during the setting for cutting.

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2,118,403

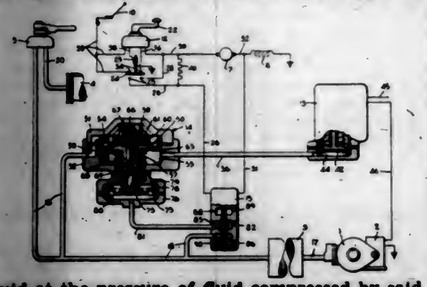
**COMPRESSOR CONTROL**

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application September 11, 1937, Serial No. 163,449
20 Claims. (Cl. 303—1)

1. In combination, a fluid compressor carried by a vehicle, an electric motor for driving said compressor, switch means responsive to a predetermined increase in fluid pressure in a control chamber for opening the circuit of said motor and to a predetermined decrease in the pressure of fluid in said chamber for closing the circuit, a valve device operative to supply fluid under pressure to said chamber at a predetermined degree less than the pressure of fluid com-

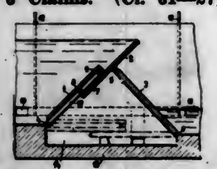
pressed by the compressor, and means operative upon stopping of the vehicle for supplying



fluid at the pressure of fluid compressed by said compressor to said chamber.

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**2,118,404**
**HYDROSTATIC WEIR SHUTTER**
**František Jermář, Opava, Czechoslovakia**
**Application March 23, 1937, Serial No. 132,605**
**In Czechoslovakia January 28, 1937**
**6 Claims. (Cl. 61—27)**



1. A hydrostatic weir shutter comprising a pivoted, extensible up-stream leaf composed of two overlapping, slidably adjustable sections, rollers operative to guide one section on the other, roller guides operative to maintain one section in parallel relationship with the other section, and a down-stream leaf pivotally connected to the upper section of the up-stream leaf.

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**2,118,405**
**METHOD OF SECURING CONCENTRATED FOOD PRODUCTS FROM BANANAS**
**Stephen A. Karas, Forest Hills, N. Y.**
**No Drawing. Application December 11, 1934, Serial No. 756,973**
**11 Claims. (Cl. 99—100)**

1. The method of producing concentrated food products from bananas which comprises thoroughly mixing the pulp of ripe bananas with alcohol, separating the resulting solution from the undissolved banana constituents and separately drying the alcoholic solution and the undissolved constituents.

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**2,118,406**
**BRASSIÈRE**
**Rosamond Lilian Klin, London, England**
**Application January 9, 1936, Serial No. 58,316**
**In Great Britain October 25, 1935**
**2 Claims. (Cl. 2—42)**

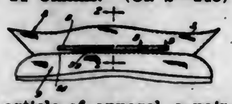
1. A brassière constructed and arranged for use in combination with a lower garment having a belt-like portion surrounding the waist of the wearer, said brassière comprising a pair of shaped, woven fabric breast supports of generally quadrilateral form joined together along their inner and shortest edges, the fabric of the supports being arranged with the straight of the goods parallel to the lower edges of the supports to prevent horizontal, lateral stretching, said arrangement of the fabric also being such as to dispose the straight of the goods in the upper portions of the supports on lines extended from the upper outer corners of the supports to a point substantially midway in the line of junction of said inner, shortest edges to resist stretching along lines extending from a point substantially midway between the breasts of the wearer and said corners, and supporting and positioning straps consisting of an upper pair and a lower pair only, said straps having detachable connecting means at their outer ends, the upper



pair of straps extending from the upper outer corners of the supports over the shoulders of the wearer and being adapted to be secured by said connecting means at their opposite ends to said belt-like portion to act as shoulder straps to support said brassière, the lower pair running steeply downwardly from the lower outer corners of the supports and being adapted to be secured by said connecting means at their lower ends to said belt-like portion to act in conjunction with the upper pair of straps to tension the supports along the straight of the goods and therefore along their lines of least stretch.

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**2,118,407**
**FOLD LINES**
**Benjamin Liebowitz, New York, N. Y., assignor to Trubenizing Process Corporation, New York, N. Y., a corporation of New York**
**Application July 5, 1935, Serial No. 29,819**
**14 Claims. (Cl. 2—143)**

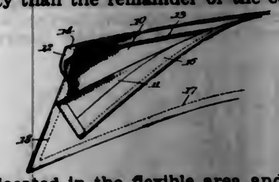


1. In an article of apparel, a pair of external fabric plies, an intermediate lining ply adhesively secured to each of said external plies, and means disposed between the lining ply and one of the external plies to prevent adhesion of said plies along the narrow zone constituting a fold line along which the article may be repeatedly folded and unfolded.

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**2,118,408**
**COLLAR**
**Morris L. Kaplan, Hazleton, and Gustav Kaplan, Harrisburg, Pa., assignors, by mesne assignments, to Trubenizing Process Corporation, New York, N. Y., a corporation of New York**
**Application August 17, 1936, Serial No. 96,490**
**1 Claim. (Cl. 2—143)**

A folding or turn down collar comprising a plurality of plies of fabric secured together by an intermediate adhesive material, said adhesive material having a cover on one surface thereof covering a portion of the material to prevent the ply adjacent to the cover from adhering in the region of the cover to form an area of greater flexibility than the remainder of the collar, and



means located in the flexible area and defining the fold line of the collar.

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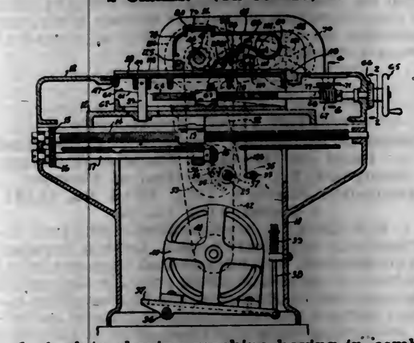
**2,118,409**
**ABRASIVE ASSEMBLY**
**Julius E. Loewy, Philadelphia, Pa.**
**Application March 20, 1937, Serial No. 131,986**
**2 Claims. (Cl. 51—209)**



1. An abrasive assembly comprising an abrasive wheel, a backing plate separable therefrom provided with spaced openings, threaded members adapted to secure said wheel and plate together, internally threaded receivers for said threaded securing members embedded in said wheel and spaced for alignment with said plate openings when said wheel is positioned on said backing plate, a driving protuberance on the wheel face of said backing plate and connected thereto and a metallically lined receiving socket in the back face of said wheel fitted to said plate protuberance whereby to position said wheel on said plate for alignment of said internally threaded receivers and said plate openings and to drive said wheel when said plate is driven.

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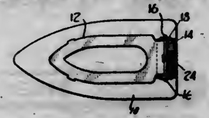
**2,118,410**
**PLATE SHAVING MACHINE**
**William J. Lofstedt, Portland, Oreg., assignor, by mesne assignments, of two-thirds to Premier Manufacturing and Sales Company, Portland, Oreg., and one-third to Ralph H. Mort**
**Application March 7, 1936, Serial No. 67,687**
**2 Claims. (Cl. 90—15)**



1. A plate shaving machine having in combination a vertically adjustable horizontally movable bed plate, a driving means for slidably moving said bed plate, side and end stops associated with said bed plate, a spiral cutter mounted over said bed plate, chip deflectors disposed along said cutter, an oiling roller disposed in advance of said chip deflectors and a trip arm disposed over said bed plate together with a clutch interposed between the drive mechanism and a source of power actuated by said trip arm whereby a plate of excessive thickness will cause said drive mechanism to move to a neutral position.

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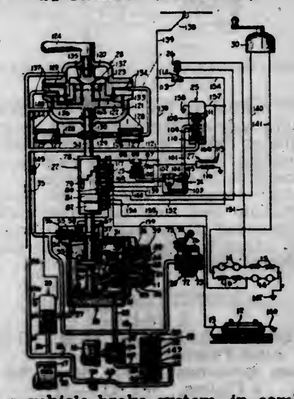
**2,118,411**
**CLASP ORNAMENT**
**Robert Mantz, New York, N. Y.**
**Application December 30, 1937, Serial No. 182,387**
**2 Claims. (Cl. 24—250)**



2. A clasp ornament comprising a pair of clasp members, one having a bearing plate secured thereto and provided with outturned ears, the other clasp member having trunnions at opposite sides thereof journaled in said ears for pivotally connecting the members together, the last-mentioned clasp member having an inturned portion, and an eccentric cam member journaled on said inturned portion for turning movement in a plane approximately at right angles to said clasp members, said eccentric cam member having the lobe portion thereof movable into wedging engagement with the bearing plate to hold the clasp members against relative separation.

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**2,118,412**
**COMBINED ELECTRIC AND PNEUMATIC BRAKE**
**Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania**
**Application February 1, 1936, Serial No. 61,962**
**24 Claims. (Cl. 303—3)**



1. In a vehicle brake system, in combination, fluid pressure brake means, dynamic brake means, magnetic track brake means, a plurality of control means mechanically interconnected and operable in unison for controlling applications of said three brake means, a first fluid pressure operated means for actuating said control

means to various application positions, a second fluid pressure operated means for actuating said control means from application position to release position, a control handle, and means for supplying fluid under pressure to and releasing it from said two fluid pressure operated means according to the positioning of said control handle.

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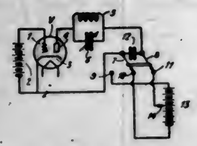
**2,118,413**
**X-RAY TUBE**
**Harry F. Mesick, Jr., and Malvern J. Gross, Chicago, Ill., assignors to General Electric X-Ray Corporation, a corporation of New York**
**Original application May 28, 1932, Serial No. 614,124. Divided and this application July 26, 1934, Serial No. 737,068**
**15 Claims. (Cl. 250—35)**



11. In an X-ray tube, a cylindrical glass envelope, a metallic anode, means for sealing the anode to the glass envelope, said anode having a target portion at one end and a stem portion extending therefrom, said stem portion being of minimum diameter at said target end portion and increasing in diameter from said end to said sealing means.

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**2,118,414**
**THERMIONIC OSCILLATION GENERATOR**
**Eric Balliol Moullin, Oxford, England, assignor to Radio Corporation of America, a corporation of Delaware**
**Application July 19, 1934, Serial No. 735,985**
**In Great Britain July 24, 1933**
**16 Claims. (Cl. 250—36)**

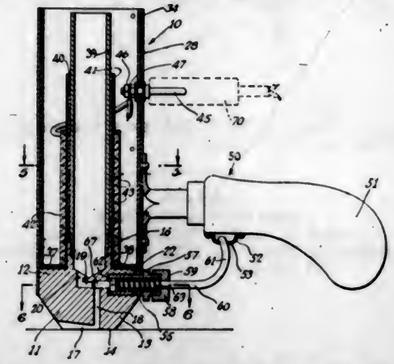


16. The method of increasing the efficiency of a multi-electrode electron discharge device dynatron oscillator having a positive potential on two of its electrodes and functioning by means of secondary emission of electrons from one of its electrodes which comprises altering the positive potential of said one electrode after oscillations have commenced to an intermittent positive potential in order to produce intermittent pulses of secondary emission therefrom.

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**2,118,415**
**DEVICE FOR APPLYING SEALING WAX**
**John Pesark, Brooklyn, N. Y.**
**Application November 3, 1936, Serial No. 108,948**
**4 Claims. (Cl. 219—21)**

1. A device of the character described, comprising a base having a longitudinal groove on the underside thereof and a vertical passage communicating with said groove, said base being formed with a horizontal screw-threaded opening, a tubular screw-threaded member screwed within said opening, a valve slidably mounted within said tubular member and adapted to close said vertical passage, said valve having an upwardly curved finger engaging portion, a casing on said base extending upwardly therefrom, a



handle fixed to said casing, a guide bracket on said handle provided with a slot receiving one end of the upwardly curved portion of the valve, and electric heating means on said device.

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**2,118,416**
**NECKTIE**
**Stephen Rajki, Cleveland, Ohio**
**Application October 24, 1936, Serial No. 107,457**
**1 Claim. (Cl. 2—146)**



A necktie comprising a body and a liner within the body, said liner being attached to one face of the tie body by a series of stitches extending substantially the entire length of the liner and midway between its side edges, and a line of stitches along each side edge of the tie securing the body and liner together at these places, said last named stitches extending through the intermediate or neck band portion of the tie and terminating at each end short of the ends of the liner and short of the first named series of stitches, whereby to provide a liner anchorage comprising a central anchor terminal at the end of the liner and side anchor terminals removed from the liner end, thereby permitting the sides of the end portion of the liner to hang freely, but providing an anchor for the central portion at the said end of the liner.

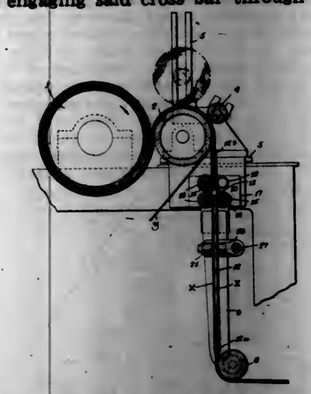
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**2,118,417**
**SEMIDECATING APPARATUS**
**Charles G. Richardson, Springfield, Vt., assignor to Parks & Woolson Machine Company, Springfield, Vt., a corporation of Vermont**
**Application March 9, 1935, Serial No. 10,261**
**5 Claims. (Cl. 26—56)**

1. In a cloth finishing machine of the type described the combination of a vertical spreader frame provided with a horizontal cross bar intermediate its upper and lower ends for suspending the spreader inside an upwardly travelling tubular fabric, a horizontal support for said spreader comprising upper and lower pairs of spreaders supporting and guiding rollers spaced apart to form means below and above the spreader cross-



bar for preventing vertical or tilting movements when engaging said cross bar through the me-



dium of the interposed tubular fabric surrounding said spreader.

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**2,118,418**
**LABEL GRIP FINGER MECHANISM**
**Harold E. Rue, West Orange, N. J., assignor to Hoffman Beverage Company, Newark, N. J., a corporation of New Jersey**
**Application November 26, 1935, Serial No. 51,594**
**20 Claims. (Cl. 216—13)**

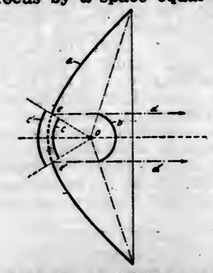


1. In a label grip finger mechanism for use in container labelling apparatus and the like, the combination of an oscillatable driving element, a plurality of individual label-gripping members mounted on and carried by the element and adapted to be moved into engagement with the container by the element, and a yielding connection between the members and the element, whereby the members are capable of bodily movement relatively to the element.

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**2,118,419**
**ULTRASHORT WAVE REFLECTOR**
**Hans Scharlau, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany**
**Application September 15, 1932, Serial No. 633,221**
**In Germany September 15, 1931**
**8 Claims. (Cl. 250—11)**

4. A mirror system for ultra-short waves, comprising a main mirror, an ultra-short wave antenna at the focus of this mirror and a confocal counter-mirror, the apex of which is separated from the focus by a space equal to an integral



multiple of one-fourth of the wave length used, and an additional mirror in that portion of the main mirror directly opposite the counter-mirror.

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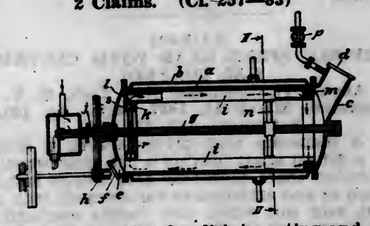
**2,118,420**
**SIGN REFLECTOR**
**Henry C. Spratley, Providence, R. I.**
**Application November 21, 1933, Serial No. 699,016**
**3 Claims. (Cl. 40—132)**



3. In a sign apparatus in combination, a hollow body having a light source in its upper part, said body having a vertical opening at a level lower than said source adapted to be covered by a translucent sign member and having an upwardly projecting strip along the lower edge of said opening, a flat interior surface inclined upwardly from the bottom of said strip beneath said source, means to support said apparatus on a sign with its light source upwardly, and a reflector of transparent material resting on said flat surface and held by said strip in position to reflect through said opening.

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**2,118,421**
**APPARATUS FOR TREATING ANIMAL MATERIAL**
**Wilhelm Steinmann, Berlin-Friedrichshagen, Germany**
**Application July 2, 1936, Serial No. 88,693**
**In Germany June 25, 1935**
**2 Claims. (Cl. 257—83)**

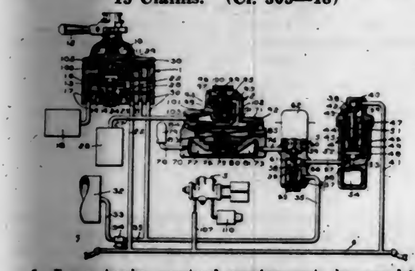


2. In an apparatus for disintegrating and drying animal material of the character described, a closed, horizontal, cylindrical shell adapted to accommodate the material to be treated, means at one end of the shell for charging the shell, means at the other end for withdrawing material from the shell, a rotatable shaft extending

through the shell, agitating means mounted on said shaft and comprising a series of lifting elements arranged parallel to the cylinder axis and in substantially contacting adjacence to the shell wall, each element being coextensive in length with the entire shell and of hollow construction, a circular header connecting said elements at the discharge end of the shell, a second circular header connecting said elements at the charging end, supporting spokes for said agitating means and header at the charging end of the shell, said spokes being disposed in a vertical plane inwardly spaced from the header at the charging end, and means for introducing a heating medium into said headers and elements.

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**2,118,422**
**FLUID PRESSURE BRAKE**
**Carlton D. Stewart, Swissvale, Pa., and John B. Hull, Berkeley, Calif., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania**
**Application January 16, 1937, Serial No. 120,920**
**15 Claims. (Cl. 303—18)**

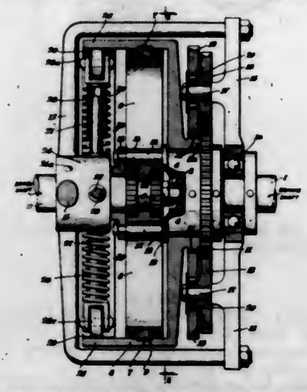


1. In a train control equipment, in combination, fluid pressure brake means including a normally vented chamber, means operative to supply fluid under pressure to said chamber in effecting an application of the brakes and a manually controlled device for causing operation of said means; automatic control apparatus including means operative upon a predetermined reduction in the pressure of fluid in a timing chamber for effecting an application of the brakes and means operative in accordance with traffic conditions for venting fluid under pressure from said timing chamber; a valve for controlling communication through which fluid is vented from said timing chamber, and means operative upon a predetermined increase in pressure in the first-named chamber for effecting the operation of said valve to cut off the venting of fluid from said timing chamber.

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**2,118,423**
**VARIABLE SPEED GEAR WITH CENTRIFUGAL CONTROL**
**August Timmermann, New York, N. Y.**
**Application March 15, 1937, Serial No. 130,871**
**8 Claims. (Cl. 74—260)**

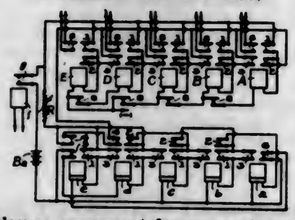
1. A planetary gear drive between a driving and a driven shaft, having a sun gear wheel on the driven shaft, planetary gear wheels suitably ratioed to and arranged to run in mesh with and about said sun wheel and means operated by said driving shaft for rotating said planetary wheels around said sun wheels, and a control gear wheel rotatably mounted on said driving shaft and in mesh with and surrounding said planetary gear wheels whereby said control gear normally tends to run at a speed higher than the driving shaft, determined by the planetary gear ratio, means for reducing the normal speed of said control gear a definite amount with respect to the driving shaft speed, whereby the driven shaft is rotated at a definite desired speed ratio with respect to the driving shaft, and an overrunning clutch operatively connected with said reducing means for preventing said control gear from running ahead of said reduced speed, but permitting it to run slower than said reduced speed, said control gear having an inner peripheral cam surface provided with at least one high and one low cam point, cam rollers radially slid-



ingly mounted on said driven shaft within said cam surface and disposed to move radially outwardly and to bear against said cam surface by the centrifugal force developed by the rotation of said driven shaft and to produce a drag on said control gear when the rollers move toward a high point of the cam surface, by which drag the speed of the control gear with respect to the driving shaft is further reduced and the speed of the driven shaft is increased, said drag increasing with increasing speed of the driven shaft, due to the increased centrifugal force.

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**2,118,424**
**RELAY SYSTEM FOR MEASURING THE TIME OF THE CONTINUOUS FLOW OF AN ELECTRIC CURRENT**
**Yoshito Watanabe, Kinukake-cho, Suma-ku, Kobe, Japan**
**Application January 10, 1936, Serial No. 58,516**
**In Japan June 8, 1935**
**3 Claims. (Cl. 175—183)**



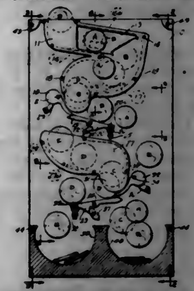
1. Relay arrangement for measuring the duration or time of flow of an electric current, comprising two groups of time relays, said arrangement having the distinctive feature that it is provided with a primary relay series consisting of several retardation time relays entering into operation consecutively, a secondary relay series consisting of several relays which close their pertinent



circuits one after the other and a main relay responding during the time during which the electric current flows and the actuation of the primary relay series occurring in a cycle while the main relay responds and the relays of the secondary series entering into operation one after the other, one each during each actuation cycle of the primary relay series.

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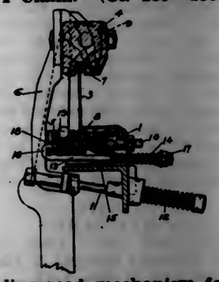
**2,118,425**
**COIN DETECTING DEVICE FOR SLOT MACHINES**
**Theodore Bibicos, Cleveland, Ohio**
**Application February 4, 1937, Serial No. 123,976**
**2 Claims. (Cl. 194—103)**



1. The combination with a coin chute, of a pair of gates below the outlet therefrom, said gates swinging toward and from each other and the outlet, and being weighted to normally close with the ends of the gates in contact with each other, the pivot of one gate being located higher than that of the other gate, and the gates forming an inclined trackway from the outlet when they are in contact.

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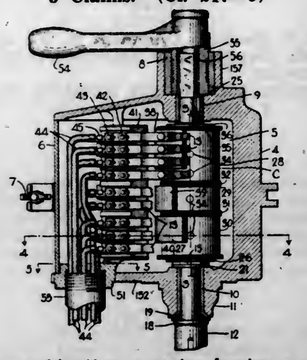
**2,118,426**
**YIELDING REED**
**Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine**
**Application October 29, 1937, Serial No. 171,625**
**1 Claim. (Cl. 139—188)**



In a yielding reed mechanism for looms, the combination of a lay beam and rearwardly yieldable filter, with manually releasable means for yieldingly resisting rearward movement of said filter, said means comprising a rod extending forwardly and rearwardly below said filter, the rearward end of said rod being bent upwardly and then forwardly and inserted into a hole extending forwardly from the back of said filter, said rod being supported for rearward sliding movement to withdraw said end from said hole and being rotatable out of engagement with said filter, and a coiled spring on the forward end of said rod for yieldingly urging the rod forwardly.

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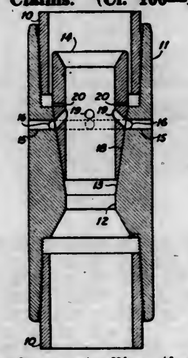
**2,118,427**
**BRAKE SWITCH DEVICE**
**Rankin J. Bush, Jeannette, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania**
**Original application May 20, 1936, Serial No. 80,785. Divided and this application October 16, 1936, Serial No. 105,972**
**3 Claims. (Cl. 247—9)**



1. In combination, a casing having a chamber open at one side and having in an adjacent side an opening open at one end to the open side of said chamber, a removable cover adapted to be secured to said casing closing the open side of said chamber and the open end of said opening, an element disposed in said chamber, removable means securing said element to said casing, said element having a portion disposed in and closing said opening in said casing, a plurality of spaced contact fingers carried by said element in operative relation with the contacts of a movable contactor disposed in said casing, and an electrical conductor connected to each of said fingers and extending to the outside of said casing through an opening in the portion of said element which closes said opening in the casing.

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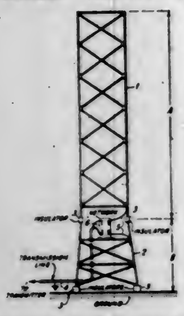
**2,118,428**
**WELL TUBING PORT CONTROL**
**Albert M. Chrisman, Avenal, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware**
**Application December 15, 1937, Serial No. 179,900**
**9 Claims. (Cl. 166—1)**



1. A device for controlling the flow of fluid through the wall of a tubing string or the like, comprising means in said tubing forming a seat,

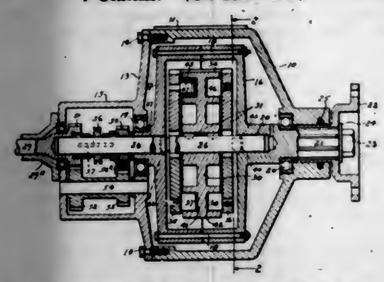
a port through the wall of said tubing, a hollow sleeve member adapted to rest on said seat without materially obstructing the bore of said tubing, and a passage in said last named member so constructed and arranged as to provide fluid communication between said port and the interior of said tubing.

2,118,429
**ANTENNA**
**William S. Duttera, Lynbrook, N. Y., assignor to Radio Corporation of America, a corporation of Delaware**
Application April 16, 1937, Serial No. 137,178
6 Claims. (Cl. 250—33)



1. A vertical antenna structure having an overall length less than 200° at the operating frequency and including two vertical adjacent sections of unequal lengths insulated from each other, said sections being devoid of concentrated reactance, the upper section having a length at least twice as long as the lower section, and means for individualy energizing said sections in such manner that the currents in said sections are substantially of opposite phase and of relative magnitude sufficient to reduce high angle radiation.

2,118,430
**CENTRIFUGAL TORQUE CONVERTER**
**Bjarne Ellefsen, Brooklyn, N. Y.**
Application September 2, 1936, Serial No. 99,017
7 Claims. (Cl. 192—105)



1. In a device of the class described; a rotatingly mounted drum; a shaft rotatingly mounted concentrically in said drum with one end extending therefrom; a disc, having concentric grooves, rigidly secured to said shaft; centrifugal weights mounted in said drum and in sliding relation thereto; contact members secured on said weights for engagement in said grooves; and means for connecting the drum to a source of rotary motion.

2,118,431
**ART OF COLORING AND MARKING MATERIALS**
**Albert E. Gessler, Ardsley-on-Hudson, N. Y., assignor to Interchemical Corporation, a corporation of Ohio**
No Drawing. Application January 14, 1935, Serial No. 1,605
9 Claims. (Cl. 8—5)

7. The process of coloring materials, which comprises dissolving pigment-forming reagents in a water-miscible organic solvent in which they are both soluble, applying the solution to the material to be colored, and applying water to the solution on the material to cause precipitation of pigment on the material.

2,118,432
**COLORING MEDIUM**
**Albert E. Gessler, New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio**
No Drawing. Original application January 14, 1935, Serial No. 1,605. Divided and this application September 10, 1937, Serial No. 163,243
5 Claims. (Cl. 8—76)

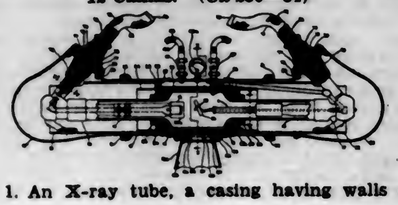
1. A coloring composition composed essentially of a solution of a basic dye and a lake-forming precipitant therefor in an ether of a glycol.

2,118,433
**PISTON RING**
**Edward J. Goodyear, Wilkinsburg, Pa.**
Application August 4, 1936, Serial No. 94,175
1 Claim. (Cl. 309—45)



A piston ring for an internal combustion engine, comprising the combination of a lower ring section having a plurality of spacing bridges formed integral with the top thereof, the top faces of said bridges inclining outwardly at an angle to the horizontal, and an upper ring section, the bottom of said upper ring section inclining outwardly at an angle corresponding to the inclination of said bridge top faces and being seated upon the latter, the outer wall of said upper ring section extending at an angle to the vertical to dispose the lower end of same outwardly of the upper end thereof, the width of the stock of said upper ring section being greater than the width of the stock of said lower ring section disposing the inner wall of said upper ring section inwardly of the vertical plane of the inner wall of said lower ring section.

2,118,434
**X-RAY TUBE**
**Malvern J. Gross and Zed J. Atlee, Chicago, Ill., assignors to General Electric X-Ray Corporation, a corporation of New York**
Application March 16, 1934, Serial No. 715,962
12 Claims. (Cl. 250—34)

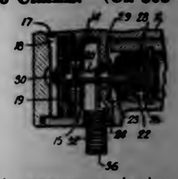


1. An X-ray tube, a casing having walls of



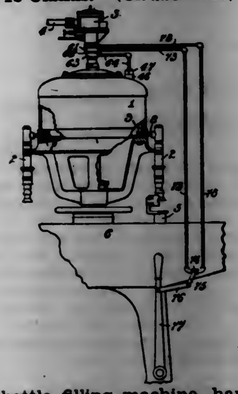
metal provided with a ground connection and enclosing said tube, oil insulation in said casing, cylindrical members within the body of such oil and of insulating material with overlapping ends disposed axially of the tube, and an insulating support at each end of said tube and engaging the adjacent cylindrical member.

2,118,435
**WASP EXCLUDER**
**Walter T. Jados, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania**
Application March 4, 1937, Serial No. 128,925
18 Claims. (Cl. 302—1)



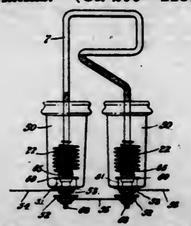
1. In a vent passage protector adapted for use with a valve device of a type having a body provided with a vent passage open at one end to the atmosphere and a vent valve movable to control the venting of fluid through said passage, the vent valve having an element associated therewith, the vent passage protector comprising a member adapted to cooperate with the body of the valve device to substantially close the open end of the vent passage, and means carried by said element for maintaining said member in position.

2,118,436
**BOTTLE FILLING APPARATUS**
**James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware**
Application September 3, 1935, Serial No. 38,907
18 Claims. (Cl. 226—115)



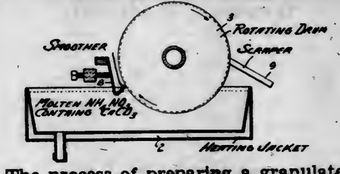
1. In a bottle filling machine, having a control member for starting and stopping the same, the combination with a filling valve including a counter pressure tube, of means for sealing the inlet to said tube, and means controlling the operation of said sealing means operated by said control member when the same is moved to stop the machine in any filling position with the filling valve in discharge condition to thereby prevent back flow of liquid into said tube.

2,118,437
**ELECTRIC LUMINESCENT GAS TUBE PROTECTIVE DEVICE**
**Philip J. Kayatt, Yonkers, N. Y.**
Application March 9, 1936, Serial No. 67,775
8 Claims. (Cl. 200—118)



1. A safety device for a luminescent gas tube comprising an insulating housing, a yoke detachably mounted in said housing, a normally open circuit cut-out demountably supported in said yoke, and electrical terminals carried by the housing and connected to opposite ends of the cut-out.

2,118,438
**GRANULATION OF FERTILIZERS**
**Charles K. Lawrence, Baldwinsville, N. Y., and Aylmer H. Maude, Prince George County, Va., assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York**
Application June 5, 1934, Serial No. 728,066
5 Claims. (Cl. 71—60)

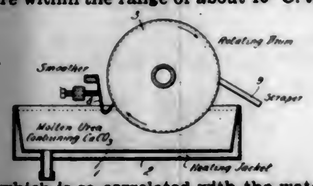



1. The process of preparing a granulated fertilizer which comprises preparing a fluid melt of ammonium nitrate, water and a substantial proportion of a finely divided solid material which is substantially infusible in the melt, the water being present in an amount within the range of about 4 to 7 parts of water for every 100 parts of total water and ammonium nitrate in the melt, distributing said fluid melt as strands or rods in grooves formed on a cooling surface, cooling the melt in the grooves to a temperature within the range of about 40° C. to about 90° C. which is so correlated with the water content of the melt that at the temperature to which it is cooled in the grooves the melt partially solidifies sufficiently for the strands or rods to be removed from the supporting surfaces of the grooves and to be broken into granules which retain the shape imparted thereto by the grooves, and breaking the thus solidified melt out of the grooves and into granules.

2,118,439
**PROCESS FOR THE PREPARATION OF FERTILIZERS**
**Charles K. Lawrence, Baldwinsville, and Aylmer H. Maude, Niagara Falls, N. Y., assignors to The Solvay Process Company, New York, N. Y., a corporation of New York**
Application July 20, 1937, Serial No. 154,578
5 Claims. (Cl. 71—28)

1. The process of preparing a granulated fertilizer which comprises preparing a fluid melt of

urea, water and a substantial proportion of a finely divided solid material which is substantially infusible in the melt, the water being present in an amount within the range of about 3 to 8 parts of water for every 100 parts of total water and urea in the melt, distributing said fluid melt as strands or rods in grooves formed on a cooling surface, cooling the melt in the grooves to a temperature within the range of about 40° C. to about




80° C. which is so correlated with the water content of the melt that at the temperature to which it is cooled in the grooves the melt partially solidifies sufficiently for the strands or rods to be removed from the supporting surfaces of the grooves and to be broken into granules which retain the shape imparted thereto by the grooves, and breaking the thus solidified melt out of the grooves and into granules.

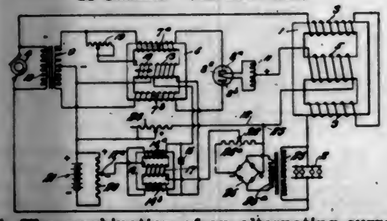
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2,118,440

## ELECTRIC CONTROLLING APPARATUS

Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York

Application March 30, 1936, Serial No. 71,805
13 Claims. (Cl. 171—242)



1. The combination of an alternating current source, a reactor, a rectifier, an anode winding on said reactor supplied with current intermittently from said source and delivering current intermittently to said rectifier, and a winding on said reactor receiving alternating current continuously from said source for passing flux through said anode winding during its alternate inactive periods in a direction reverse to that of its flux during its active periods.

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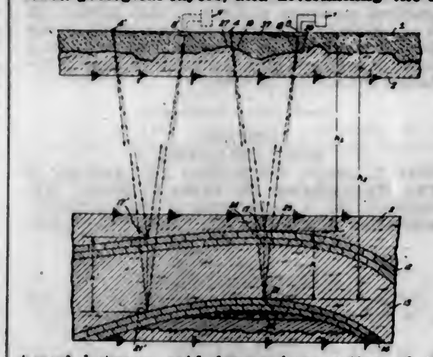
2,118,441

## METHOD OF MAKING GEOLOGICAL EXPLORATIONS

Elton V. McCollum, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

Application February 5, 1934, Serial No. 709,896
3 Claims. (Cl. 181—0.5)

1. A method of measuring intervals between buried geological layers from the earth's surface including the steps of generating waves at or near the earth's surface, receiving reflections of waves from buried geological layers at a point at or near the earth's surface positioned close enough to the wave source to subtend small angles at the points on the geological layers from which reflections take place, measuring the time difference between reflections from separated geological layers, and determining the in-



terval between said layers irrespective of the time of origin of the waves.

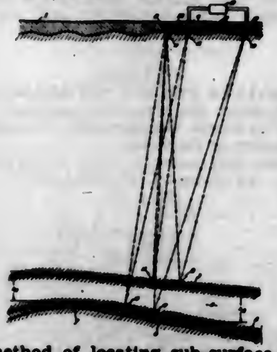
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2,118,442

## GEOPHYSICAL METHOD OF DETERMINING GEOLOGICAL STRUCTURES

Elton V. McCollum and Lawrence F. Athy, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

Application June 30, 1934, Serial No. 733,196
2 Claims. (Cl. 181—0.5)



1. A method of locating sub-surface tectonic structures, including the steps of generating seismic waves, receiving reflections of said waves at a plurality of spaced points at or near the earth's surface, recording said reflections upon a common record strip, measuring the time differentials between recorded reflections from spaced geological formations, and determining the direction of angular divergence between tectonic layers from said time differentials, whereby errors contributed by near surface layers are substantially avoided.

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2,118,443

## ELECTRIC VALVE

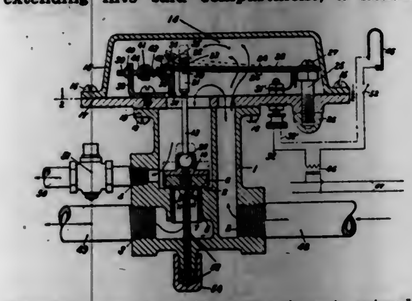
Donald H. McCorkle, Berkeley, Calif., assignor to Claire L. McCorkle, Berkeley, Calif.

Application May 31, 1932, Serial No. 614,412
6 Claims. (Cl. 137—139)

1. Apparatus of the character described comprising a valve body having separated through passages extending adjacent one another into



one end of the body and terminating at spaced points, a closed compartment overlying said end of the body and the ends of the passages therein and forming a communicating chamber for said passages, a valve in one of said passages closing off the same and provided with a stem extending into said compartment, a heat-de-



flectable strip in said compartment extending substantially at right angles to said stem, means engaging one end of said strip with said stem, means anchoring the other end of said strip whereby the opposite end will bear against the stem to hold the valve closed, and electrically heated means for heating the strip whereby its flexing will open the valve.

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2,118,444

## ROTATABLE BIN

Arthur W. Mueller, Cincinnati, Ohio, assignor to The Frick-Gallagher Mfg. Co., Wellston, Ohio, a corporation of Ohio

Application October 16, 1936, Serial No. 105,910
8 Claims. (Cl. 211—129)



1. In a rotatable bin, a bin section bottom, a central supporting post about the axis of which said bin section bottom is adapted to rotate, a removable upstanding divider having its top edge unsupported and the lower edge provided with a flange contiguous the bin section bottom, means for fastening the flange to the bin section bottom against lateral movement, the fastening means being shaped so that it is engaged and disengaged by relative sliding between said divider and bin section bottom, and yieldable means held with respect to said bin section bottom and cooperating with said divider to urge the same into position with said fastening means engaged.

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2,118,445

## PRODUCTION AND SEPARATION OF ISOMERIC AMINOHYDROXY ANTHRAQUINONES

Donald G. Rogers, Ridgewood, N. J., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application May 13, 1936, Serial No. 79,498
26 Claims. (Cl. 260—59)

1. A process for obtaining an aminohydroxyanthraquinone in a purified condition from a mixture of said aminohydroxyanthraquinone with impurities, which comprises separating said aminohydroxyanthraquinone in the form of an amine salt from a sulfuric acid solution of impurities.

8. A process for obtaining a diamino-dihydroxyanthraquinone-disulfonic acid in a purified condition from a mixture of said diamino-dihydroxyanthraquinone-disulfonic acid and impurities, and resulting from the reduction of a technical dinitro - dihydroxyanthraquinone - disulfonic acid, which comprises treating said mixture with sulfuric acid of a concentration adapted to form a sulfuric acid solution of impurities in which solution said diamino-dihydroxyanthraquinone-disulfonic acid is insoluble, said solution also containing boric acid, and separating the resulting solution of impurities from the diamino-dihydroxyanthraquinone-disulfonic acid.

19. A process for obtaining diaminoanthrarufine disulfonic acid from a composition containing diaminoanthrarufine disulfonic acid and diaminochrysazine disulfonic acid, which comprises converting the composition to a mixture of a sulfuric acid solution of diaminochrysazine disulfonic acid and an amine salt of diaminoanthrarufine disulfonic acid, which salt is insoluble in said sulfuric acid solution, and separating the amine salt from the solution.

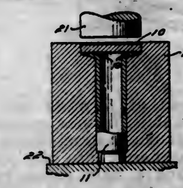
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2,118,446

## METHOD OF MAKING TAPPETS

George Schneider, Saginaw, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application October 19, 1934, Serial No. 749,013
4 Claims. (Cl. 29—156.7)



1. The method of making a tappet which comprises, forming a tubular body portion from readily machineable and forgeable material to provide a relatively small bore in one end thereof and a relatively large bore in the other end thereof, forming an outwardly directed annular flange on said relatively large bore end, forming a plane-surfaced disc of wear-resisting but less readily machineable and forgeable material than that from which said body portion is made, and then welding a plane surface of said disc to said flange and forging said assembled disc and body portion to straighten said disc relative to said body portion and to shorten said assembly to a predetermined ultimate length while maintaining substantially the plane-surfaced form of the disc.

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2,118,447

## TORCH

George L. Walker, Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application February 3, 1936, Serial No. 62,056
8 Claims. (Cl. 158—27.4)

3. In a torch, a body having a mixing passage, port-ways for admitting oxygen and fuel gas, respectively, to said passage, the port-way for the fuel gas comprising an outwardly inclined rear port, an inwardly inclined front port, a lateral chamber connecting said ports, and a removable

cap for said chamber, the space of said chamber beneath said cap being sufficiently shallow so



that there will be substantial continuity of flow from the rear port to and through the front port.

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**2,118,446**
**METHOD OF MAKING AUTOMOBILE FRAMES**
**Robert H. Wallace and Ernest Riemenschneider, Lakewood, Ohio, assignors to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio**
**Application June 30, 1934, Serial No. 733,290**
**14 Claims. (Cl. 29—152)**



3. The method of forming box section side rails for automobile frames consisting of providing a light gauge channel-shape side rail, inserting reinforcements into the channel of the rail while nesting a light gauge channel shape inner rail within the channel of the main rail, inserting centering pins through registering apertures in the rails and reinforcements, flexing the assembled rail into predetermined contour, and then welding the rails and reinforcements together while so held.

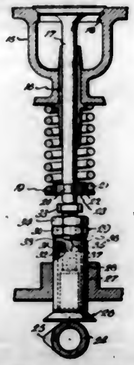
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**2,118,449**
**SERIAL ROENTGENOGRAM APPARATUS**
**Julius B. Wantz, Oak Park, and Julius J. Grobe, Chicago, Ill., assignors to General Electric X-Ray Corporation, a corporation of New York**
**Application October 18, 1926, Serial No. 142,223**
**27 Claims. (Cl. 250—34)**



7. A standard, a device for the production of serial roentgenograms, and a holder for cassettes to be used in said device and normally operable to discharge said cassettes by gravity, said device being mounted on said standard and adapted to be adjusted to a plurality of angular positions, and said holder having means for urging the cassettes therefrom when the adjustment of said device is such that gravity fails to cause the discharge of cassettes from said holder.

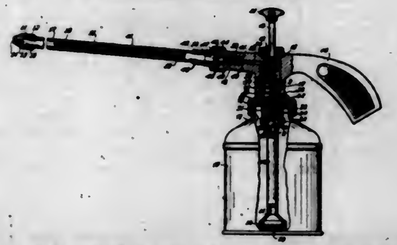
**2,118,450**
**INTERNAL COMBUSTION ENGINE**
**Victor F. Zahodiakin, New York, N. Y.**
**Application June 25, 1935, Serial No. 28,325**
**2 Claims. (Cl. 123—90)**



1. In a valve operating mechanism including a spring seated valve and a cam therefor, a cam follower unit in constant contact with the valve and cam, said unit incorporating telescopically related elements, one in contact with the cam and the other in contact with the valve, a winding spring for urging said parts rotatively relative to each other, a cam surface and a groove having vertical end walls formed on the end of one of said elements, pins projected from an adjacent surface of the other element, one of said pins riding on said cam surface and the other engaged in said groove, said elements moved apart under the influence of the spring through the cam surface contact, said second pin limiting rotative motion by engagement with the vertical end walls of the groove, and said pins interchangeable as to the groove by rotative adjustment of the elements.

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**2,118,451**
**NOZZLE**
**Fred E. Hansen, Lakewood, Ohio**
**Application August 30, 1935, Serial No. 38,597**
**7 Claims. (Cl. 299—59)**



1. In a device of the class described, a nozzle having a restricted discharge orifice, an element loosely arranged in said nozzle and normally free to slide longitudinally therein in either direction, said element having an end portion adapted to enter said orifice and free the latter of any obstructions therein, and said element also having a compressible member attached thereto and surrounding said portion which normally prevents said portion from entering said orifice but which upon being compressed permits said portion to slide through the orifice.



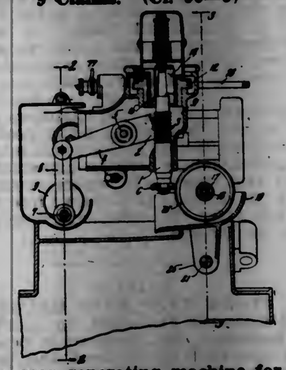
**2,118,452**
**ELECTRIC LAMP**
**Clarence J. Le Bel, New York, N. Y., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware**
**Original application August 14, 1929, Serial No. 385,707. Divided and this application January 28, 1935, Serial No. 3,689**
**5 Claims. (Cl. 176—124)**



1. As a new and improved article of manufacture, a container, an induction coil passing around a major portion of the wall of said container, a medium located within said container and adapted to become excited into luminescence by the passage of an alternating current through said induction coil, so as to produce an arc of predetermined dimensions within said container, a minor portion of the wall of said container being sufficiently spaced from said arc so that the temperature of said spaced part of the wall remains sufficiently low to prevent the pressure within said container from exceeding a predetermined limit.

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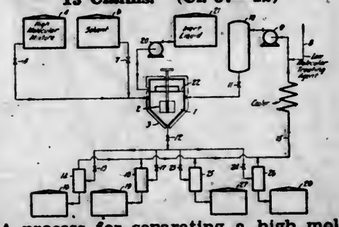
**2,118,453**
**THROATED GEAR SHAPING MACHINE**
**Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont**
**Application May 28, 1934, Serial No. 727,123**
**9 Claims. (Cl. 90—9)**



9. In a gear generating machine for producing throated gears and the like, the combination with a reciprocative and rotatable vertical cutter spindle, of a work spindle, a holder in which said work spindle is rotatably mounted arranged to support the work spindle at one side of the cutter spindle and being pivoted on an axis parallel to the work spindle and beneath the latter, means for moving said holder about its axis so as to withdraw and advance the work spindle respectively away from and toward the cutter spindle, and means for rotating the work spindle including a gear thereon and a worm meshing with said gear, said worm being mounted at the same side of the work spindle axis as the cutter spindle and in such a manner as to hold the work so that the sides of the teeth cut therein will not be rubbed against by the teeth of a cutter on the cutter spindle when the work spindle is thus withdrawn.

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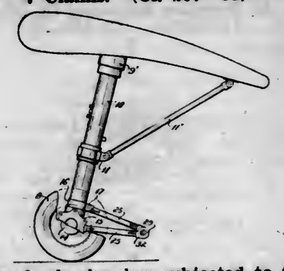
**2,118,454**
**PROCESS FOR SEPARATING HIGH MOLECULAR MIXTURES OF THE ESTER TYPE**
**Albert Schaafsma, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware**
**Application March 24, 1936, Serial No. 70,596**
**In the Netherlands March 30, 1935**
**13 Claims. (Cl. 87—12)**



1. A process for separating a high molecular mixture containing high molecular compounds containing at least one member of the class consisting of ester type fats, oils and waxes into portions having different properties, comprising the steps of dissolving said mixture in a quantity of a liquid low molecular treating agent to produce a liquid phase, said treating agent being non-reactive with said mixture and capable of dissolving a component of the mixture when the treating agent is in its para-critical state and precipitating another component, heating said liquid phase to a temperature at which the high molecular compounds are not chemically altered and at which the treating agent is in its para-critical state under a pressure not substantially less than the vapor pressure of the liquid phase, thereby causing the precipitation of a portion of the mixture and the formation of a separate heavier phase, and separating the heavier phase from the lighter liquid phase.

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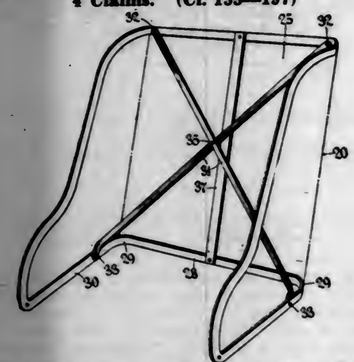
**2,118,455**
**SHOCK ABSORBER FOR AIRPLANES**
**John F. Wallace, Cleveland, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio**
**Application July 2, 1936, Serial No. 88,621**
**7 Claims. (Cl. 267—64)**



1. In a shock absorber subjected to torsional strains, a pair of telescoping cylinders adapted

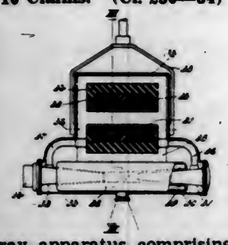
to be attached to the elements whose relative movements are to be cushioned, upper and lower torque legs connected together at their outer extremities by a flexible joint, and hinge connections between the inner ends of the legs and the two cylinders respectively, said legs being wide at their inner ends and narrow at their outer ends, and the hinge connections at their inner ends being longer than the width of the joint at the outer ends.

2,118,456
**BRACED SEAT BACK**
Le Grand S. Whedon, Medina, N. Y.
Application October 22, 1935, Serial No. 46,217
4 Claims. (Cl. 155—197)




3. In a seat structure having a seat bottom, a seat back including a rear section, side flanges extending forwardly and integrally from the rear section for receiving the rear portion of the seat bottom therebetween, means for pivotally connecting the seat back to the seat bottom, a pair of braces extending in crossed relation from the upper portion of the rear section to locations adjacent the lower portion of the latter, means for securing the upper portion of each brace directly to the upper portion of the rear section, and means for securing the lower portion of each brace to one of the side flanges at a location spaced from the surface of the rear section.

2,118,457
**X-RAY APPARATUS**
Albert Bouwers, Eindhoven, Netherlands, assignor, by mesne assignments, to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a Dutch company
Application December 21, 1933, Serial No. 703,460
In Germany December 23, 1932
10 Claims. (Cl. 250—34)



1. An X-ray apparatus comprising an X-ray tube having an envelope, a high-tension supply transformer for said tube having a peripherally-exposed metallic portion adapted to be grounded during operation, and a housing enclosing said tube and transformer, said envelope having a portion extending the length of said metallic portion and provided with a metallic outer surface, said envelope portion being closely spaced from an opposing part of said metallic portions without the interposition of an insulation adapted to stand high voltages and extending the length of said opposing part.

2,118,458
**BAILER**
Paul Cavins, Long Beach, Calif.
Application August 22, 1935, Serial No. 37,404
7 Claims. (Cl. 166—19)



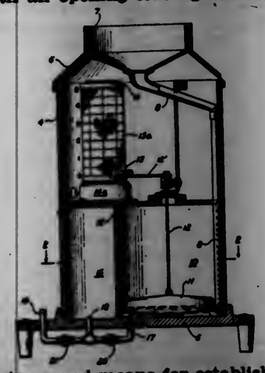
1. In a suction bailer, a barrel defining a sand chamber, a closed substantially air-tight suction chamber, a valve seat carried by said barrel, a valve member adapted to engage said seat to seal said suction chamber from said sand chamber, said valve member having a stem, a spring for maintaining said valve in sealing engagement with said seat when the bailer is being lowered into the well, said stem being adapted for telescoping movement with respect to said barrel against the force of said spring to move said valve from its seat and break said seal when the bailer encounters an obstruction in the well, and means carried by said stem for effecting major communication betwen said chambers after said seal is broken, said means being positioned on said stem for effecting major communication between said chambers after an appreciable movement of said stem with respect to said barrel, whereby the drawing of a charge into the bailer is delayed after the same encounters an obstruction in the well.

2,118,459
**FLOAT TYPE RAIN GAUGE**
Ralph R. Chappell, Richmond, Va., and Rutger B. Colt, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 21, 1935, Serial No. 22,638
9 Claims. (Cl. 73—151)

6. In a rainfall measuring apparatus, the combination of a float container provided with a float, an indicator actuated by said float, and an overflow container, both containers being made in the form of cylinders of substantially equal height, the float container being placed eccentrically inside of the overflow container, the volume of that



portion of said overflow container which is not displaced by said float container having a predetermined relationship to the volume of the float container, the float container being provided near its top with an opening leading into said overflow container; and means for establishing communication between said containers near their bottoms to bring the contents of both containers to a common level and for emptying said containers to a minimum level sufficient to insure floating of said float in the float container.



2,118,460
**GERMICIDE**
Spencer J. Currie, Harnett County, N. C.
No Drawing. Application May 22, 1935, Serial No. 22,881
3 Claims. (Cl. 167—65)

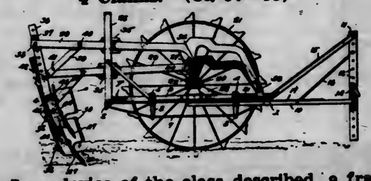
1. A germicide for topical application containing an aqueous solution of a triphenyl methane dyestuff having germicidal properties, and a sufficient amount of a lower alkyl ether of diethylene glycol compatible with water to give the composition substantial penetration.

2,118,461
**SHIRT RACK**
Thomas A. Dempsey, Scranton, Pa.
Application January 15, 1937, Serial No. 120,800
2 Claims. (Cl. 211—181)



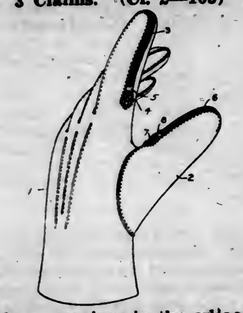
1. A shirt rack comprising a transverse rod, a transverse ground engaging member including upwardly, inwardly and rearwardly inclined portions terminating in legs secured, at their free ends, to the rod, struts extending between the rod and said member, a brace extending between the legs and terminating in substantially V-shaped, laterally and downwardly extending ground engaging legs, a brace extending between the last named legs and fixed to the struts, vertical rods secured at their lower ends of the base, and vertically spaced shelves supported by said vertical rods.

2,118,462
**BASIN LISTER DAMMING MACHINE**
Walter H. Doonan, Great Bend, Kans.
Application May 22, 1937, Serial No. 144,281
4 Claims. (Cl. 97—55)



1. In a device of the class described, a frame, an axle journaled on the frame, ground wheels on the axle and constituting means for rotating the axle, levers having their forward portions fulcrumed on the frame, arms on the axle and constituting means for raising the levers, depending standards, soil-engaging members carried by the lower ends of the standards, and means for connecting each standard to the corresponding lever to vary the angle between the standard and the lever.

2,118,463
**GLOVE**
Alexander M. Eden, New York, N. Y.
Application February 24, 1938, Serial No. 192,226
3 Claims. (Cl. 2—163)

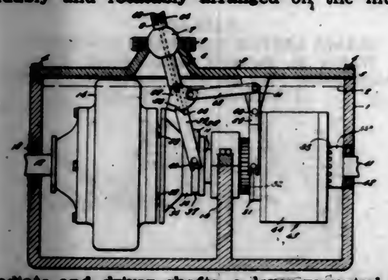


1. In a glove, openings in the adjacent sides of the index finger and thumb portions, and means comprising slide fasteners inserted in said openings for permitting the closing and opening thereof at will.

2,118,464
**HYDRAULIC TRANSMISSION**
John Fitzhugh, Aberdeen, Wash., assignor of one-half to Frank Lange, Aberdeen, Wash.
Substitute for application Serial No. 688,514, September 7, 1933. This application July 16, 1936, Serial No. 91,011
2 Claims. (Cl. 74—189.5)

1. The improvement in a fluid clutch and reverse gearing organized mechanism which comprises a housing for the reception of a fluid, a

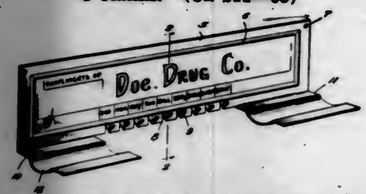
driving shaft extending rotatably into the housing, a driven shaft extending rotatably into the housing, an intermediate shaft rotatably mounted in the housing, said shafts being longitudinally alined, fluid controlled means for connecting the intermediate shaft to the driving shaft for actuation at various speeds thereby, means operatively connecting the driven shaft to the intermediate shaft for actuation thereby selectively in opposite directions, such means including a housing slidably and rotatably arranged on the inter-



mediate and driven shafts, a lever mounted for swinging movement and extending into the housing, means operatively connecting the lever to the fluid controlled means for regulating the same, a fork pivoted in the first mentioned housing and connected with the second housing, a link connected with the fork, means for swingingly connecting the link with the lever and manually operated latch means carried by the lever for holding the swinging connecting means against movement when the latch means is in operative position.

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**2,118,465**
**INDIVIDUAL TOOTH BRUSH HOLDER**
**Henry B. Grose, Augusta, Ga.**
**Application December 9, 1936, Serial No. 115,050**
**4 Claims. (Cl. 211—65)**

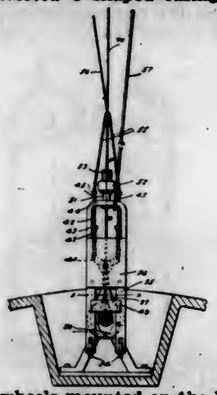



4. As a new article of manufacture, a tooth brush holder stamped from a single sheet of metal and comprising an elongated body portion having its lower longitudinal edge at the opposite ends of the plate bent laterally and said longitudinal edge between the bent portions of the plate provided with spaced pairs of incisions defining straight vertically disposed tongues, the metal between each pair of incisions being pressed laterally and upwardly to form a suspension hook.

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**2,118,466**
**SUBMARINE**
**Edward Henry Jennings, Fortuna, Calif.**
**Application January 20, 1936, Serial No. 59,965**
**5 Claims. (Cl. 114—16.3)**

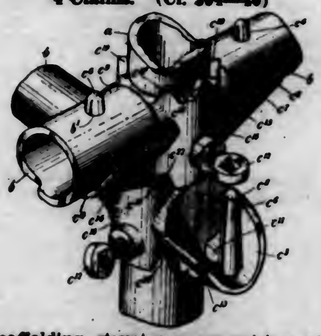
1. The herein described submarine improvement comprising, a drum rotatably mounted on the deck of said submarine, a cable windable on the drum, a buoy anchored to one end of the cable and resting on the surface of the water, and a lifting device slidably mounted on the cable for raising the submarine, said device comprising an inverted U-shaped casing formed to



provide legs, wheels mounted on the legs of said casing to cause the lifting device to straddle the drum, and arms pivotally mounted within the casing for gripping the drum.

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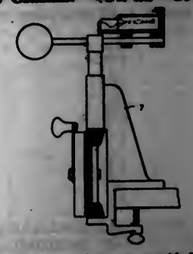
**2,118,467**
**SCAFFOLDING STRUCTURE**
**David Henry Jones, London, S. W. 8, England, assignor of one-half to Scaffolding (Great Britain) Limited, London, England**
**Original application August 9, 1937, Serial No. 158,223. Divided and this application December 30, 1937, Serial No. 182,617. In Great Britain October 12, 1936**
**4 Claims. (Cl. 304—40)**



1. Scaffolding structures comprising at least two sets of scaffolding members with the members in one set arranged at a predetermined angular relationship to those in the other set, a supporting member made in two parts, means on each part for affixing it to each of the scaffolding members in one set, each part having a flat abutment face thereon, and a stud carried on each part approximately parallel with but spaced apart from its corresponding abutment face, the said parts having interengaging projections and recesses for setting them at a predetermined angular relationship to each other, the scaffolding members in the other set each having a socket adapted to receive the one of the studs and an end part adapted to contact with one of the said abutment faces whereby the scaffolding members in said other set are jammed between the studs and the abutment faces.



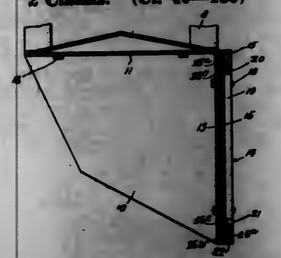
**2,118,468**
**METHOD OF CASTING ARTICLES OF INTRICATE DESIGN AND A PRODUCT THEREOF**
**Theger G. Jungersen, Minico, Ontario, Canada**
**Application September 28, 1934, Serial No. 745,866**
**6 Claims. (Cl. 22—196)**



5. A method of casting an article of jewelry or a part thereof of a design intricate to the extent of having one or more small projections or depressions, comprising first producing a model of the article to be cast, then forming about said model a primary mould, then removing the model from the primary mould, then introducing into the mould by force sufficient to deposit the material into the depression or depressions of the primary mould molten wax or other material of low fusing point that will not injure the primary mould to form a pattern, and employing the patterns so made for the manufacture of a casting mould.

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**2,118,469**
**PORCH LIGHT AND NUMBER DISPLAY**
**Carl Lorbetske, Seattle, Wash.**
**Application May 13, 1937, Serial No. 142,517**
**2 Claims. (Cl. 40—130)**

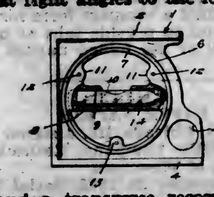


1. In a device of the class described, a suspension plate constituting a canopy and provided at its corner portions with hanger members, a pair of end plates attached to and depending at right angles from the end portions of said suspension plate, said end plates being provided with attaching flanges, a frame detachably bolted to said attaching flanges and disposed at right angles to the end plates and depending at right angles in relation to said suspension plate, a glass plate supported in said frame, and an electric bulb supported on one of said end plates and disposed parallel to said glass plate.

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**2,118,470**
**COMBINED PLUMB AND LEVEL**
**Oscar L. Melvin, Columbus, Ohio**
**Application September 19, 1936, Serial No. 101,662**
**3 Claims. (Cl. 33—211)**

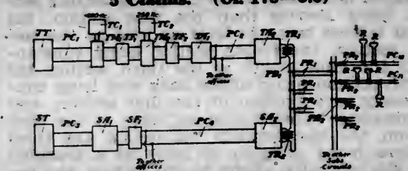
1. An improved spirit level, comprising a frame, an annulus secured within the frame, a bridge integral with and extending across the diameter of the annulus in parallel relation with a side of the frame, the bridge having a channel formed longitudinally therein which opens in a direction at right angles to the long axis of the



channel and a transverse recess which passes through the channel and opens oppositely thereto and in a direction at right angles to the said long axis, and a bubble glass secured in said channel and having a portion exposed through said recess.

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**2,118,471**
**ELECTRICAL TRANSMISSION SYSTEM**
**Newton Monk, New York, and Warren H. Tidd, White Plains, N. Y., assignors to American Telephone and Telegraph Company, a corporation of New York**
**Application September 1, 1932, Serial No. 631,498**
**5 Claims. (Cl. 178—5.6)**



1. In a system for the distribution of sound and television programs, transmitting apparatus, a network of main circuits extending from said transmitting apparatus to a plurality of receiving points each of said circuits having at least one additional circuit connected thereto, means connected across the distant end of the said additional circuit for avoiding the reflection of energy due to each additional circuit over a wide range of frequencies, the aforesaid means being equal to the iterative impedance of the said additional circuit and translating means at said receiving points for utilizing sound and television signals.

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**2,118,472**
**PAPER NAPKIN**
**Elmer C. Morris, Chicago, Ill., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin**
**Application April 19, 1935, Serial No. 17,237**
**Renewed February 10, 1938**
**2 Claims. (Cl. 206—57)**



1. A folded napkin to be stored in and dispensed from a napkin dispenser, comprising a rectangular sheet of paper folded along its median line to form single ply leaves coextensive with each other, having said leaves folded together along a line at right angles to said first mentioned fold to provide two plural ply portions in face contact with each other with one of

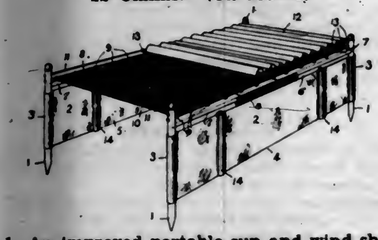
said portions terminating in spaced relation to the top edge of the other portion, and having said two plural ply portions folded together along a line at right angles to said second fold with the shorter portion folded around the other portion to give the product a compact form for self support on edge and to provide tabs at both faces for the removal of the folded napkin from the dispenser.

2,118,473
**PAPER NAPKIN**
Elmer C. Morris, Chicago, Ill., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application December 30, 1935, Serial No. 56,745
3 Claims. (Cl. 206—57)



3. A folded napkin formed from a rectangular sheet of paper folded longitudinally along a plurality of parallel lines to provide a multi-ply strip, said strip being folded transversely along three parallel lines to form four rectangular sections, the first, second and third sections being arranged in zig-zag relationship, the second section being shorter than the first section, the third section being at least as long as the second section, the fourth section being substantially the same length as the third section, the fourth section being folded back and lying contiguously to a portion of the first section, and terminating below the upper edge of the first section, the fold between the second and third sections being adapted to serve as a grasping tab, the free edge of the fourth section also being adapted to serve as a grasping tab.

2,118,474
**PORTABLE SUN AND WIND SHELTER FOR BEACH OR LIKE USE**
Agnes Whitton Morton, Radlett, England
Application July 1, 1936, Serial No. 88,466
In Great Britain July 1, 1935
12 Claims. (Cl. 135—5)



1. An improved portable sun and wind shelter comprising a plurality of supporting posts, a strip of fabric carried by the said posts and capable of being slid up and down thereon to afford ventilation at the bottom and a screen composed of a material pervious to the ultra-violet rays in sunlight but less pervious to the heat rays in sunlight and adapted to be extended over the enclosure.

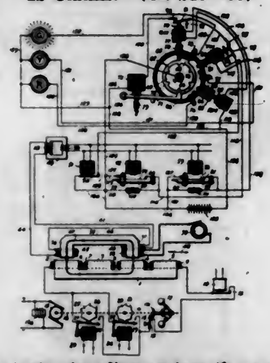
2,118,475
**GARMENT CLASP**
Manuel A. Pallas, New York, N. Y.
Application November 9, 1936, Serial No. 109,981
5 Claims. (Cl. 24—252)

1. A clasp of the character described comprising a pair of cooperating jaws pivotally connected intermediate their ends and comprising a pivot on one of said jaws journalled in an elongate slot in the other jaw to permit sliding of said pivot, and actuating means associated with the ends of said jaws opposite the gripping ends and adapted to move the mentioned ends of said jaws apart to move said gripping ends together



and adapted to move said pivot along said slot to cause said jaws to slide longitudinally of each other, said actuating means comprising a lever fulcrumed on one of said jaws and having its free end flexibly connected with the other jaw by means including a tongue element formed on said lever arm and received in cooperative manner in a recess formed in the jaw element.

2,118,476
**TRAIN SIGNALING SYSTEM**
Harry W. Richards, New York, N. Y.
Substitute for application Serial No. 569,766, October 19, 1931. This application March 16, 1937, Serial No. 131,217
12 Claims. (Cl. 246—63)



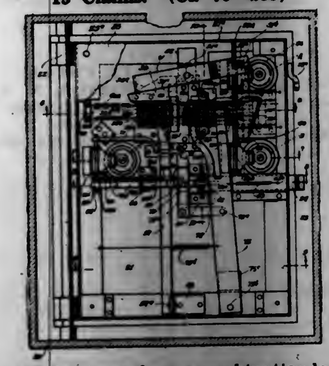
1. In a train signaling system the combination of trackside inductors and a train carried inductor the latter carrying a magnetic flux, the former offering a path of low reluctance to said flux; and means on the roadway for interrupting the flow of flux through the path of low reluctance at a predetermined frequency to produce a pulsating current in the train carried inductor of similar frequency.

2,118,477
**LIQUID FUEL**
Arthur A. Roberts, London, England; Arthur Roberts and Clifford Wilbur Smith administrators of Arthur A. Roberts, deceased
No Drawing. Application July 13, 1933, Serial No. 680,235. Renewed October 14, 1937. In Great Britain July 18, 1932
4 Claims. (Cl. 44—8)

1. A liquid fuel comprising a combustible oil, particles of coal suspended in the oil, and substantially one-fourth of one percent of dry starch material distributed as a stabilizer in the oil in the substantial absence of water.

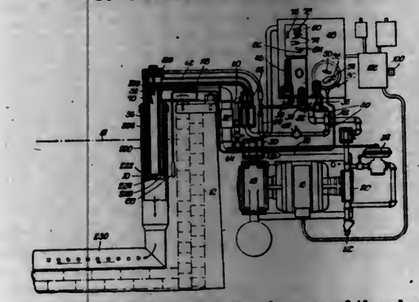


2,118,478
**COMBINATION LOCK**
Mathew Schnur, Chicago, Ill.
Application April 9, 1937, Serial No. 135,993
15 Claims. (Cl. 70—299)



1. A safe having a door, a combination lock contained in the same, master, secondary and door release units controlled by the combination, a pair of vertically-spaced push-buttons contained in the door at one side representing the master and secondary combination controls, and a push-button contained in the door at the opposite side representing the door release control.

2,118,479
**SUBMERGED COMBUSTION BURNER**
Theodore S. See, Hammond, Ind., John Edward Tegarden, Calumet City, Ill., and Arthur Williams, Munster, Ind., assignors to Submerged Combustion Company of America, Inc., Hammond, Ind., a corporation of Indiana
Application March 24, 1933, Serial No. 197,940
30 Claims. (Cl. 126—360)



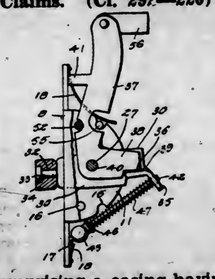
1. A submerged combustion burner of the character described, comprising, in combination, an outer casing, an inner casing spaced from the outer casing, means for supplying a combustible mixture of pilot fuel and pilot air to the inner casing, an igniter associated with the inner casing and adapted to ignite the combustible mixture of pilot fuel and pilot air, means for conducting a main fuel supply to the burner, and means for admitting a main air supply to the space between the inner and outer casings.

2,118,480
**METHOD OF TREATING METALS OR METALLIC ARTICLES**
Howard E. Somes, Detroit, Mich.
Application November 8, 1934, Serial No. 752,039
5 Claims. (Cl. 148—8)



1. The method of improving the cleaning effect of a cleaning solution upon an article of magnetic metal which comprises passing the article through a cleaning solution capable of aiding in the removal of matter to be removed from the article, and subjecting the article while in said solution to a high frequency alternating electromagnetic field of sufficient strength and frequency to heat the article to a temperature higher than that of the solution.

2,118,481
**DOOR LOCK**
George E. Steen, Walsh, Colo.
Application March 11, 1937, Serial No. 130,380
10 Claims. (Cl. 292—220)



7. A lock, comprising a casing having two side walls and an apertured connecting wall therebetween, a shaft passing through and coupling the side walls and freely oscillatable therein, a bolt lying between the side walls and mounted for free oscillation on the shaft, an end of the bolt passing through the said apertured wall for engagement with a keeper, means for oscillating the shaft, an arm fixed to the shaft and oscillating coaxially with the same and with the bolt, the arm having a free end, a cam forming element carried by the bolt, and the said free end of the arm having direct contact with said cam element upon the opposite side of the shaft from the keeper-engaging end of the bolt whereby oscillation of the bolt on the shaft will be effected immediately upon the beginning of and by rotating the shaft.

2,118,482
**SYNTHETIC RESIN AND PROCESS OF MAKING SAME**
Theodor Sutter, Basel, Switzerland, assignor to Ciba Products Corporation, Dover, Del., a corporation
No Drawing. Original application June 30, 1931, Serial No. 548,038. Divided and this application January 24, 1936, Serial No. 60,703. In Switzerland July 9, 1930
9 Claims. (Cl. 260—3)

1. The step in the process of manufacturing synthetic resins from amine-formaldehyde condensation products obtained by reacting a primary aromatic amine with at most an equimolec-

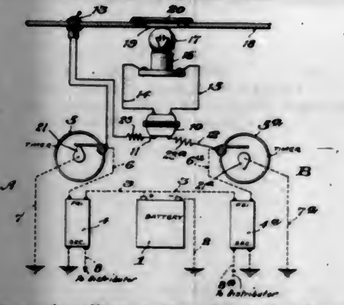
ular proportion of a formaldehyde yielding compound in the presence of a mineral acid and subsequently precipitating the product by an agent of alkaline character, which comprises adding a phenolpolyalcohol to the condensation product resulting from the reaction of the primary aromatic amine and the formaldehyde yielding compound in the presence of the mineral acid at a stage prior to the drying of the resinous material, whereby the said phenolpolyalcohol is homogeneously adsorbed by said amine condensation product.

2,118,483

**INDICATING DEVICE FOR INDICATING SYNCHRONOUS OPERATIONS**

Charles K. Woodman, Beverly, Mass., assignor to Huckins Yacht Corporation, Jacksonville, Fla., a corporation of Florida

Application September 26, 1936, Serial No. 102,865
2 Claims. (Cl. 177—311)



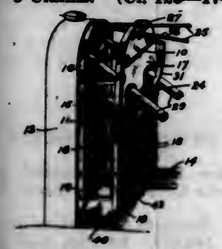
1. In a signaling system for indicating synchronous operation of two internal combustion engines, each having an ignition system including an ignition induction coil and primary circuit interrupter, the combination of an electrical signal device and a circuit connecting the signal device and both of the primary windings of the induction coils in series independently of said interrupters.

2,118,484

**TEMPERATURE CONTROL FOR INTERNAL COMBUSTION ENGINES**

Joseph B. Brennan, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Arizona

Application March 21, 1934, Serial No. 716,672
5 Claims. (Cl. 123—174)



2. In a temperature control system, the combination of an internal combustion engine having a circulating fluid cooling system, a heat dissipating radiator through which the circulating fluid of the cooling system circulates, a fan behind said radiator for creating a flow of cooling air therethrough, a partition disposed to the rear of the fan and in spaced relation with said radiator whereby the fan will be enclosed in a compartment immediately behind said radiator, said partition having a large damper for effecting a gross control of the air circulating through said compartment, and thermostatically controlled louvers responsive to the temperature of the air within the compartment and operating independently of said damper for effecting a fine control of the air circulating through said compartment.

2,118,485

**ADJUSTABLE DEPTH CHUCK**

Frederick Russell Brown, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application July 3, 1936, Serial No. 88,741
1 Claim. (Cl. 279—9)



In a variable depth chuck having an elongated, externally threaded body portion with an axial bore intersected by radial slots, with an internally threaded adjusting sleeve located about a part of said portion and in threaded engagement therewith, and a clamp ring positioned on said portion to engage said sleeve for locking it in adjusted position thereon, and tool gripping jaws movable transversely of said bore to grip and release a tool, and a chuck cap secured to said body portion and arranged to effect movement of said jaws to and from tool gripping position; a plunger movable in said bore, a reduced portion on said plunger constructed and arranged to abut against the end of a tool held by said jaws to prevent axial movement thereof, said reduced portion being of such size that it can be moved between said jaws to back up said tool free from interference with said jaws while said tool is gripped therein, and means for coupling said plunger to said sleeve for axial adjustment in said bore, whereby said plunger may be removed and other plungers provided with reduced portions of different dimensions may be substituted therefor in said bore.

2,118,486

**PILLOW AND CUSHION**

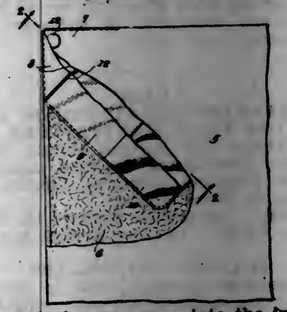
Irving Buchman, Seagate, N. Y.

Application December 5, 1934, Serial No. 756,163
2 Claims. (Cl. 5—339)

1. A pillow bifurcated at one corner to form triangular flaps, a correspondingly shaped lining on the interior of each flap, and a pocket secured to the base of each said triangular lining, and having its open end coextensive with said base, said pocket being arranged to receive the open



end of an air blowing device, and air pervious portions in the pocket whereby air from the



mentioned device may pass into the interior of the pillow.

2,118,487

**PROCESS FOR PREPARING POLYVINYL NITRATE**

Lawton A. Burrows, Wenonah, and William F. Filbert, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 15, 1936, Serial No. 90,724
8 Claims. (Cl. 260—144)

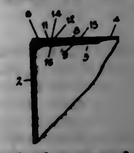
1. The process for the preparation of polyvinyl nitrate, which comprises treating polyvinyl alcohol with strong nitric acid, under conditions unfavorable to oxidation.

2,118,488

**CARTON**

Silas E. Butler, Toledo, Ohio, assignor to Butler Paper Products Company, Toledo, Ohio, a corporation of Ohio

Application April 22, 1936, Serial No. 75,778
1 Claim. (Cl. 229—38)



A carton formed of a scored blank and having end and side parts, a flap connected to one end of an end part and removably insertable in the carton, a tongue formed from within the area of the flap and located contiguous to one of the side parts and within the carton upon closing the end part of the carton with which the tongue is associated for securing an article intermediate the flap and the tongue and within the carton, the said side part and the said tongue having registering openings for viewing the article secured by the flap and the tongue when inserted in the carton.

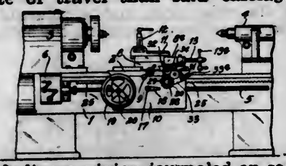
2,118,489

**LATHE**

Lionel A. Carter, Webster Groves, Mo.

Application August 26, 1935, Serial No. 37,812
12 Claims. (Cl. 82—5)

1. The combination of a bed, a carriage slidable on said bed, a lead screw feed mechanism for said carriage, feed mechanism for said carriage including a rack on said bed, a member sustained by and movable relative to said carriage in the direction of the carriage feed, and means for feeding said member at a faster or slower rate of travel than said carriage, said



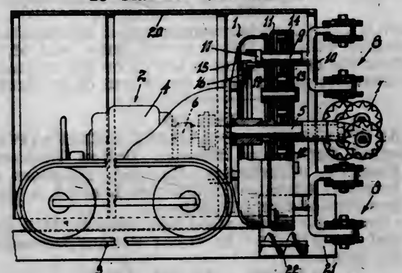
means including a pinion journaled on said carriage for movement therewith and meshing with and driven by said rack.

2,118,490

**ROTARY BORING APPARATUS**

Robert H. D. Challacombe, Long Beach, Calif.

Application June 1, 1936, Serial No. 82,911
13 Claims. (Cl. 262—7)



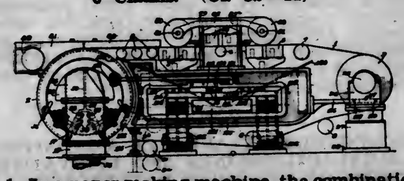
1. A rotary boring apparatus including a central drive shaft, drive means for said drive shaft, cutters mounted on said drive shaft, a housing journaled on the shaft, spindles journaled in said housing, drive means from the drive shaft to each of the spindles, cutters mounted on each of said spindles, a precessional drive means adapted and arranged to rotate the housing relatively slow with respect to said drive shaft.

2,118,491

**PAPER MAKING METHOD AND MACHINE**

Harry A. Chuse, Madison, Wis.

Application February 6, 1935, Serial No. 5,201
6 Claims. (Cl. 92—44)



1. In a paper making machine, the combination with a making wire on which the wet sheet is formed, a top wire running in contact with the opposite side of the sheet from that in contact with said making wire, and a series of suction boxes arranged for drawing the sheet alternately against the two wires.

2,118,492

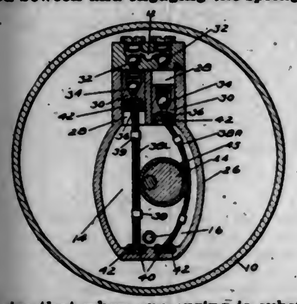
**OPERATING MECHANISM**

Kendall Clark, South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill., a corporation of Illinois

Application January 27, 1936, Serial No. 60,977
8 Claims. (Cl. 103—183)

1. A pump having valve controlled inlet and outlet openings and a pair of movable pistons

arranged side by side, a leaf spring for each piston attached at one end to its piston and held at its other end, and a rotating eccentric arranged beween and engaging the springs and of



such a size that when one spring is substantially straight with its piston at the outer end of its stroke the other spring is bowed by the eccentric to draw its piston to the inner end of its stroke.

### 2,118,493
### MANUFACTURE OF ANILINE DERIVATIVES

Samuel Coffey and Norman Hulton Haddock, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application December 29, 1936, Serial No. 118,175. In Great Britain December 31, 1935

3 Claims. (Cl. 260—130.5)

1. The process for the manufacture of alkylated aniline compounds carrying as nuclear substituents alkyl radicals having 10 to 18 carbon atoms which comprises mixing a saturated primary aliphatic alcohol having 10 to 18 carbon atoms, a metal halide of the group consisting of zinc halides and cobalt halides and an aniline compound from the group consisting of aniline, the methyl and chloro nuclear substituted derivatives of aniline, anilines having as N-substituent an alkyl radical of 10 to 18 carbon atoms and the methyl and chloro nuclear substituted derivatives of said N-substituted anilines; heating the mixture until a metal complex of a para-alkyl-aniline compound is formed; adding sufficient of an alkali metal hydroxide solution to extract metal salts from said metal complex and heating until the metal salts are extracted and an oil containing said alkylated aniline is formed; and separating the oil from the reaction mixture.

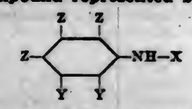
### 2,118,494
### MONONITROALKYLANILINES, MONONITROALKYLACYLANILINES AND DERIVATIVES THEREOF AND THEIR MANUFACTURE

Samuel Coffey and Norman Hulton Haddock, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application January 14, 1937, Serial No. 120,631. In Great Britain January 15, 1936

8 Claims. (Cl. 260—124)

1. The compound represented by the formula



in which X is one of the group consisting of hydrogen and an acyl group, one Y is nitro, one Z is an aliphatic radical having 6 to 18 carbon atoms, and the other Y and Z's are at least one of the group consisting of hydrogen, bromo, chloro, methyl and alkoxy.

### 2,118,495
### ALKYLANILINEMONOSULPHONIC ACIDS AND THEIR MANUFACTURE

Samuel Coffey and Norman Hulton Haddock, Blackley, Manchester, England, assignors to Imperial Chemical Industries, Limited, a corporation of Great Britain

No Drawing. Application January 14, 1937, Serial No. 120,632. In Great Britain January 17, 1936

10 Claims. (Cl. 260—129)

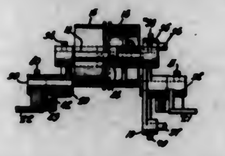
1. Alkylaniline-sulphonic acid in which the alkyl group is a saturated aliphatic radical having 6 to 18 carbon atoms and is directly attached to the bensene ring, in which the bensene ring is substituted by sulphonic acid in one of the positions meta and ortho to the amino group, and a free position of the benzene ring is substituted by one of the group consisting of hydrogen, methyl, chloro, bromo and hydroxy.

### 2,118,496
### FEEDING MECHANISM FOR SAWMILLS

Andrew J. Corley, Chattanooga, Tenn., assignor to Corley Manufacturing Company, Chattanooga, Tenn., a corporation of Tennessee

Application March 9, 1936, Serial No. 67,855

3 Claims. (Cl. 74—220)



3. In a feed control mechanism for a saw mill, a husk frame, brackets mounted on said frame, a member pivotally secured to one of said brackets and a second member pivotally secured to the other of said brackets, shafts removably bridging the space between said members, pulleys rotatably mounted on said shafts and symmetrically spaced on each side of the pivots, and means acting directly on the feed control mechanism for rocking said pulleys alternately into operative position.

### 2,118,497
### TUBING CATCHER

Charles S. Crickmer, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware

Application July 29, 1935, Serial No. 33,658

5 Claims. (Cl. 103—219)

1. A well tubing catcher including, a support, longitudinally elongated gripping slips mounted to slide vertically on the support and arranged to be expanded radially into gripping engagement with a well casing when slid upwardly, said slips having parallel longitudinal side portions, and guard members extending radially from the support and disposed vertically on each side of each slip, said members comprising bars attached to the support on opposite sides of each slip and having their lower ends bent inwardly beneath



the slip, whereby, when the slip is in a lowered or retracted position, said members serve to guide



the support as well as protect the slip from contact with paraffin within the well casing.

### 2,118,498
### SAFETY RAZOR

John E. Drew, Jersey City, N. J., assignor to Durham Duplex Razor Company, a corporation of New York

Application February 6, 1935, Serial No. 5,178

3 Claims. (Cl. 30—74.1)



1. In a safety razor, the combination with a handle, of a guard mounted on said handle, a clamp reversible end-for-end on said guard, means for interlocking said clamp with said guard in either position of the clamp, and a flat blade held between said guard and clamp and provided with cutting edges on its longitudinal edges, said means including two oppositely facing spring clips having mortised ends projecting lengthwise along the guard, and two sets of opposed tenons adapted to slidably interlock with the mortises on the spring clips upon sliding the clamp endwise over the guard, the longitudinal edges of the clamp being of different thickness to permit the cutting edges of the blade to be applied to the face at different angles to obtain a close or coarse shave, whereby a close shave may be obtained with both cutting edges of the blade upon reversing the clamp on the guard.

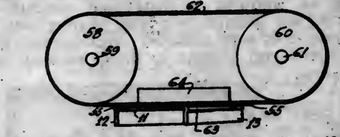
### 2,118,499
### METHOD FOR FORMING SHAPES FROM SHEET METAL

Malcolm C. Durbin, Jamaica, N. Y.

Application December 10, 1930, Serial No. 115,130

2 Claims. (Cl. 113—116)

1. A method of forming shapes having a plurality of square corners from sheet metal comprising bending the stock at each corner in a die arranged to displace the metal from the inside of the corner to form protrusions on the outside of the corners, grinding away the protrusions to



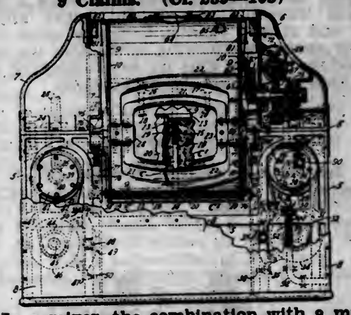
form the square corners and bending the stock to the final shape desired.

### 2,118,500
### DOUGH MIXING MACHINE

Lester Ferenci, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application July 11, 1935, Serial No. 30,805

9 Claims. (Cl. 259—165)



1. In a mixer, the combination with a mixing bowl, of a set of beaters arranged within said bowl, and means for rotating said beaters at a differential speed or in unison, said means including shafts on which said beaters are mounted, electric motors connected to said shafts to drive the same together with the beaters thereon, and a timer circuit connected to said motors to drive them together with the beaters at a differential speed for a predetermined interval of time and at the same speed for a further interval of time.

### 2,118,501
### IGNITION COMPOSITIONS

William F. Filbert and Walter E. Lawson, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 8, 1937, Serial No. 153,870

11 Claims. (Cl. 52—4)

1. As a new composition of matter, a lead salt of the nitrated product of diphenylol propane.

6. An ignition composition comprising a lead salt of the nitrated product of diphenylol propane.

### 2,118,502
### DRIER FURNACE

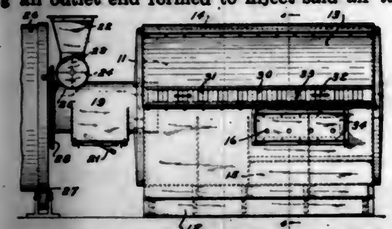
Henry C. French and Herman C. Frentsel, Jr., Milwaukee, Wis., assignors to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin

Application December 15, 1934, Serial No. 757,680

7 Claims. (Cl. 158—1)

1. In a furnace, a wall forming a substantially cylindrical combustion chamber having a restricted gas outlet at one end thereof, nozzle means for injecting variable quantities of fuel

only into the end of said chamber remote from said outlet and in a tangential direction, means forming an annular unobstructed conduit for conducting air around said wall throughout the entire length of said chamber, said conduit having an outlet end formed to inject said air tan-



gentially into said chamber only adjacent the place of fuel injection so as to produce a vortex of gas traveling toward said outlet and the inlet end of said conduit having a series of air supply openings extending throughout the length of said wall, and a slide for controlling the effective area of said air supply openings.

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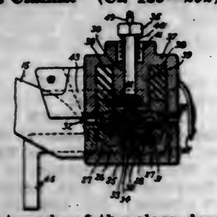
2,118,503
SOCKET
Joseph A. C. Galvao, Brooklyn, N. Y.
Application July 2, 1936, Serial No. 88,517
3 Claims. (Cl. 173—358)



1. In a socket for receiving a screw plug, a shell, and a plurality of dogs pivotally mounted on a common plane in said shell thereof, said dogs having gripping portions at different levels above the pivot points to cooperate with the inclined thread of the screw plug, and contact portions below the points of pivot to be engaged by the screw plug base, whereby the insertion and turning of the screw plug in said shell causes the lower portion of said dogs to retreat, and the upper portion to project inwardly and engage the thread of the screw plug.

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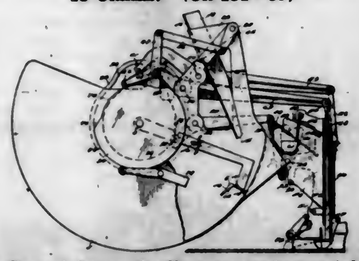
2,118,504
LOOM TEMPLE
Ralph H. Gelinas, South Hadley Falls, Mass.
Application September 27, 1937, Serial No. 165,796
2 Claims. (Cl. 139—292)



1. A loom temple of the class described, comprising a pod including a base, two rollers mounted therein, a cover mounted thereon and having an enlarged end portion to accommodate means for adjusting the cover with respect to the base, a roller in the cover, the said base member having spaced apart raised guide portions in its said enlarged end portion, the cover member having pockets to receive the said raised portion and an intermediate depending back portion, rubber cushions within the pockets, an adjusting screw connecting the cap and pod for adjustably securing the two members of the pod against the cushions and with respect to each other.

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2,118,505
TOBACCO FEEDING APPARATUS
Joseph W. Giles, Philadelphia, Pa., assignor to J. W. Giles, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application November 11, 1936, Serial No. 110,249
15 Claims. (Cl. 131—39)



1. In a tobacco feeding apparatus, a tobacco container, means to scoop tobacco from said container, a chute receiving tobacco from said means, a tobacco measuring device pivotally supported and into which tobacco is discharged from said chute, a cam on said container, means cooperating with said cam to agitate said measuring device to cause it to contain a predetermined charge, and means to actuate said measuring device to empty it.

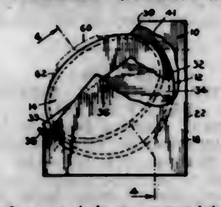
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2,118,506
LONG CHAIN ALKOXY ALKANOL ESTERS
George D. Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application July 7, 1934, Serial No. 734,210. Divided and this application November 23, 1934, Serial No. 754,300
21 Claims. (Cl. 260—103)

1. A carboxylic acid ester of a long chain alkyl ether of a dihydric alcohol wherein the long chain alkyl radical contains at least eight carbon atoms and wherein the carboxylic acid radical consists of carbon, hydrogen and oxygen.

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2,118,507
DISPLAY CONTAINER AND HOLDER
John Guttman, Brooklyn, N. Y., assignor to Arrow Manufacturing Company, Inc., Hoboken, N. J., a corporation of New Jersey
Application February 29, 1936, Serial No. 66,419
7 Claims. (Cl. 206—44)

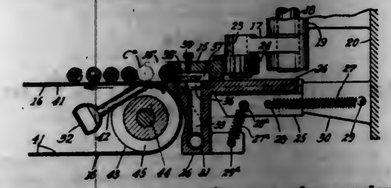


3. A display container comprising a support having walls defining a recess therein, a tray pivotally mounted on said walls and movable from one position in which it substantially overlies said recess to another position in which it projects into said recess, and means for holding an article in said tray in both of said positions comprising a member removably positioned within and projecting beyond the free edges of the side walls of said tray.



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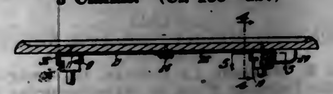
2,118,508
CIGARETTE CATCHER
George W. Gwinn, Hewlett, N. Y., and James W. Leary, Bloomfield, N. J., assignors to American Machine & Foundry Company, a corporation of New Jersey
Application February 15, 1935, Serial No. 6,734
11 Claims. (Cl. 198—24)



1. The combination with means for accelerating cigarettes delivered endwise from a cigarette machine cutoff and thereby spacing them lengthwise, of a traveling collecting belt arranged transversely of the line of cigarettes delivered from the cigarette machine cutoff, mechanism for pushing the spaced cigarettes sidewise on to said belt and a suction device for retarding the lengthwise motion of the cigarettes after they have been displaced by said mechanism, said device operating to stop the longitudinal motion of said cigarettes prior to their delivery to said belt.

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2,118,509
CHAIR
Ted E. Heinritz, Appleton, Wis., assignor to Appleton Toy & Furniture Company, a corporation of Wisconsin
Application May 25, 1937, Serial No. 144,648
3 Claims. (Cl. 155—127)

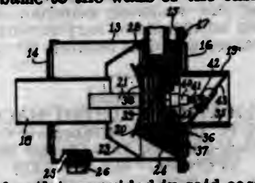


1. In combination with a high chair having side arms, a tray superposed on said arms, angle irons secured to the underside of said tray, each angle iron having a flange extending into a groove provided on the inner side of the adjacent arm, a pair of links movably secured to said tray, each link extending through a slot in the adjacent angle iron and provided with a hook to engage a groove on the outer side of the adjacent arm, and means for normally maintaining said links in arm engaging position.

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2,118,510
STRAINER FOR COOLING SYSTEMS OF INTERNAL COMBUSTION ENGINES
Joseph Hromadka, Hamden, Conn.
Application March 7, 1936, Serial No. 67,690
6 Claims. (Cl. 210—165)

6. A straining device for the cooling system of an internal combustion engine, comprising a casing having inlet means connected to the engine, a baffle opposite said inlet means against which the incoming water impinges, a screen extending from said baffle to the walls of the casing, and a



plurality of outlets provided in said casing on the side of said screen opposite said inlet means.

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2,118,511
COATING COMPOSITIONS AND PROCESS OF PREPARING SAME
Robert T. Hucks, South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 10, 1933, Serial No. 656,153
5 Claims. (Cl. 134—59)

4. A blue pigment composition free from reddish cast which comprises iron ferrocyanide blue and about 1 to 10% by weight of zinc oxide based on the blue pigment, and a blown vegetable oil selected from the class consisting of castor oil, semi-drying oils, and drying oils intimately associated therewith.

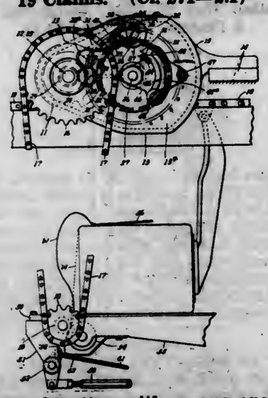
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2,118,512
MANUFACTURE OF BLACK LAKE PIGMENTS
Robert T. Hucks, South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 6, 1936, Serial No. 62,631
3 Claims. (Cl. 134—58.5)

1. The process of producing jet black pigments which comprises forming a slurry of carbon black, preparing a solution of a soluble black acid dye, mixing the said slurry into the solution, and adding thereto a precipitant for the dye.

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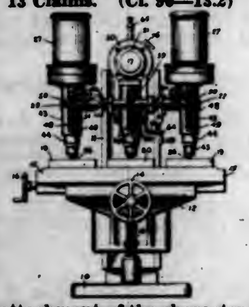
2,118,513
TIGHT AND LOOSE WRAP
Thormod Jensen, Laurelton, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application October 1, 1936, Serial No. 103,565
19 Claims. (Cl. 271—2.1)



1. The combination with means operating intermittently to draw a web of wrapping material from a roll, of a rotatable member engaging said web to feed the same, and mechanism for inter-

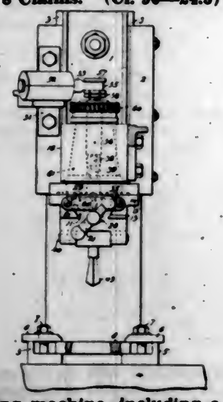
mittently driving said member while the operation of said means is interrupted to govern the tautness of the wrapping material, said mechanism being adjustable to vary the driven period of said member and thus regulate the tautness of the web.

2,118,514
**DUPLICATING ROUTING MACHINE**
Carl H. Johnson, Bridgeport, Conn.
Application July 29, 1936, Serial No. 93,133
13 Claims. (Cl. 90—13.2)



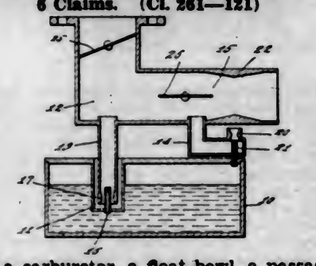
1. In an attachment of the character described, the combination of a casing; means for mounting the casing on the cylindrical overarm of a milling machine for movement longitudinally thereof but against rotational movement thereon; a frame; means for mounting the frame on the casing for movement laterally of the direction of the casing movement; a plurality of cutter spindles; means for mounting the cutter spindles on the frame at opposite sides of the casing for simultaneous axial movement, and for turning movement; a stylus; means for mounting the stylus on the frame between the cutter spindles for movement simultaneously with the axial movement of the cutter spindles; and motivation means mounted on the frame for driving the cutter spindles.

2,118,515
**SLOTTING MACHINE**
Louis G. Larsen, Jersey City, N. J., assignor, by direct and mesne assignments, to Wirthsen Associates, Inc., New York, N. Y., a corporation of New York
Application May 22, 1937, Serial No. 144,224
3 Claims. (Cl. 90—24.3)



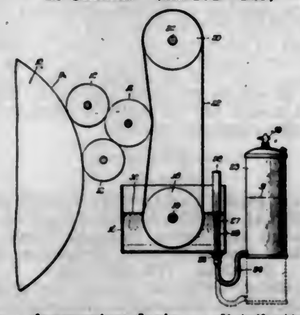
1. A slotting machine, including a reciprocating head, means for causing it to move in a rectilinear direction, a tool holder mounted on said head, means for causing it to have lateral, rectilinear, sliding movement only in relation to said head but permitting it to revolve on said head on an axis parallel with the movement of said head, means for reciprocating said head and means for automatically causing said tool holder to slide laterally as the head reciprocates, including a circular, stationary contour member, and means associated with said tool carrying member and revolvable around and engaging with and following the shape of said contour member, and adapted to cause lateral sliding movement of the tool holder as the head reciprocates, whereby a tool in said tool holder is caused to move through a piece of work and to produce a wall at the side of the slot conforming to the shape of said contour member.

2,118,516
**CARBURETOR**
Harold W. Meade, Covington, Ind.
Application July 27, 1934, Serial No. 737,267
6 Claims. (Cl. 261—121)



1. In a carburetor, a float-bowl, a passage for air and fuel, a fuel jet for supplying fuel to air flowing through said passage, a choke valve in said passage, and an impact tube disposed in said passage and opening therein in a direction opposite to that of flow therethrough and at a point between the choke-valve and the inlet of said passage, said impact tube communicating with said float-bowl above the level of fuel therein.

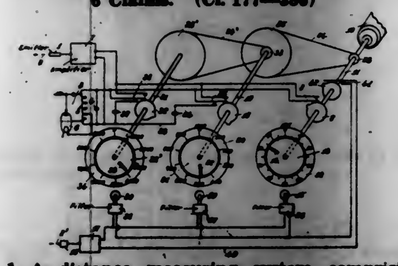
2,118,517
**DAMPENING MECHANISM FOR PRINTING PRESSES**
Arthur B. Mitchell, La Grange, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 22, 1936, Serial No. 81,224
13 Claims. (Cl. 101—148)



1. In a dampening device, a distributing roller, a liquid reservoir, and a moisture absorbing medium in the form of an endless cloth band having spaced end loop portions, said band having operation to transfer the liquid from said reservoir to said roller.

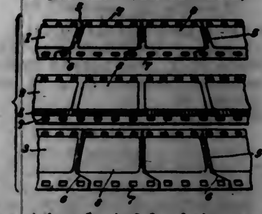


2,118,518
**DISTANCE MEASURING SYSTEM**
Georg Neumann, Berlin, Germany
Application September 27, 1935, Serial No. 42,515
In Germany December 30, 1933
6 Claims. (Cl. 177—336)



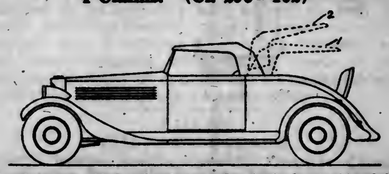
1. A distance measuring system comprising means for transmitting primary measuring impulses to a distant object, said impulses following each other in regular sequence at a predetermined frequency, means for transmitting secondary measuring impulses to said object, said secondary impulses having a different characteristic from said primary impulses and following each other in regular sequence at a frequency having a ratio of 10:1 to the frequency of the primary impulses, means for selectively and separately receiving said primary and secondary impulses after reflection from said object, indicating means for both primary and secondary received impulses, each of said indicating means comprising a scale calibrated in distance units, also having a ratio 10:1 corresponding to the frequency of the respective received measuring impulses, said scales being arranged adjacent to each other for simultaneous reading by an observer, index members cooperating with each of said scales, means for varying the relative position of each of said index members and the associated scale in proportion with the progress of and in synchronism with the frequency of the coordinated measuring impulses and signaling means for indicating reception of the impulses by each of said receiving means.

2,118,519
**COLOR FILM**
Franz Noack, Berlin, Germany
Application March 19, 1936, Serial No. 69,615
In Germany November 16, 1933
7 Claims. (Cl. 88—16.4)



1. A film strip adapted for being superimposed upon a similar film strip with accurate registry of the corresponding image frames and driving perforations of the strips, said strip having a plurality of slits with rounded ends in at least certain of the intervening portions between adjacent image frames, said slits being so disposed that any line drawn in the longitudinal direction of the film strip intersects at least one of the slits in each of the intervening portions to increase the elasticity thereof.

2,118,520
**MOVABLE AUTO TOP**
Louis Baylor Pendleton, St. Louis, Mo.
Application October 7, 1936, Serial No. 104,425
4 Claims. (Cl. 296—102)

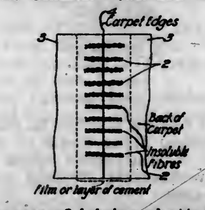


1. A mounting device, adapted for attaching adjustably a vehicle top to a vehicle body, said device having a ferrule adapted to be clamped to the body deck and journaled to receive rocker arms attached to mounting device permitting a swinging movement on rocker arms forwardly and backwardly with top as it is tiltingly operated.

2,118,521
**POLISHING COMPOSITION**
John D. Pickens, Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 27, 1936, Serial No. 66,962
4 Claims. (Cl. 134—24)

1. A liquid wax polishing composition consisting of a wax, a readily volatile solvent therefor and 1 to 6% of an acid phthalate alkyl ester, the alkyl group having more than 4 carbon atoms.

2,118,522
**CARPET SEAM**
Earle C. Pitman, Lincroft, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 2, 1935, Serial No. 34,319
10 Claims. (Cl. 154—42)

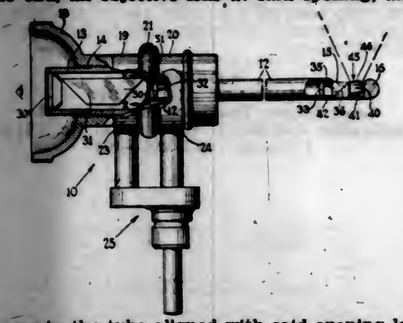



1. The process of joining abutted edges of textile material which comprises applying a cement along the said edges and joining thereto a fabric strip having soluble and insoluble members, each of the latter crossing the abutted joint said cement containing at least one ingredient which is a solvent for the said soluble members, the solvent being present in amount sufficient to render the soluble members soft and adhesive.

2,118,523
**MEDICAL INSTRUMENT**
Louis K. Pitman, New York, N. Y.
Application August 8, 1936, Serial No. 94,944
12 Claims. (Cl. 128—6)

1. An illuminating observation telescope, comprising an elongated tube means for supporting

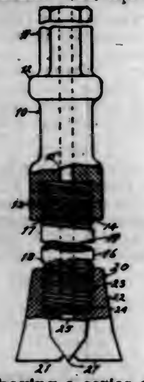
said tube for rotation about its longitudinal axis, said tube having a fenestral opening, adjacent one end, an objective lens at said opening, and



means in the tube aligned with said opening located within the field of vision of the telescope for indicating the angular position of the fenestral opening.

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**2,118,524**
**ROCK DRILL**
**Walter C. Rea, Philadelphia, Pa., assignor, by mesne assignments, to Detachable Bit Company, New York, N. Y., a corporation of Delaware**
**Application December 29, 1932, Serial No. 649,300**
**5 Claims. (Cl. 255—64)**

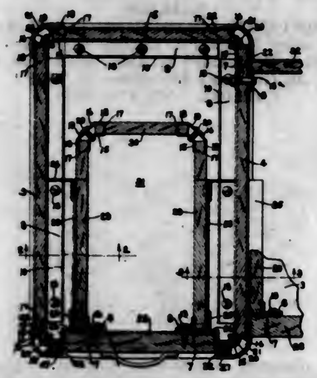


1. A drill bit having a series of radiating cutting edges disposed at an angle to one another, said radiating cutting edges being continuous with outwardly diverging straight cutting edges at their outer ends.

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**2,118,525**
**KNOCK-DOWN DESK**
**Bayard E. Richardson, Grand Rapids, Mich.**
**Application October 8, 1934, Serial No. 747,263**
**3 Claims. (Cl. 45—6)**

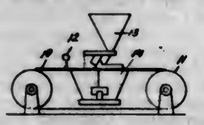
1. In a knock down structure having panel members forming sides, corner clamps connecting adjacent edges of said panel members comprising an inner member having portions engaging the inner surfaces of the respective panels, each of said portions having lips bent at right angles and entering grooves in the inner surfaces of said panels and extending entirely along the panels and an outer member having portions directly engaging the outer surfaces of the respective panels, said outer member having exposed edges, means coacting between the inner member and the outer member to draw said members into clamping engagement with said panels, an ornamental corner strip, locking means, at-



tached to said ornamental corner strip, engageable with the said exposed edges, said corner strip covering said outer clamp member and including a resilient body whereby the locking means is held into contact with said exposed edges by the resiliency of said strip.

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**2,118,526**
**SURFACING**
**Thomas Robinson, Smithtown, N. Y., assignor to Lancaster Processes, Inc., New York, N. Y., a corporation of New York**
**Application December 16, 1935, Serial No. 54,643**
**7 Claims. (Cl. 91—68)**

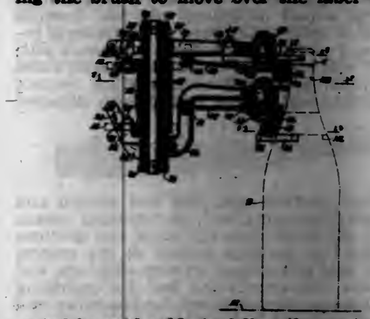


1. A method of surfacing an article which comprises coating the article with a fluent mixture consisting of a relatively high melt point oxidized asphalt, an added, cut-back, volatile solvent for the asphalt, and finely divided inorganic filler, distributing granular material over the coating so formed, and vibrating the article to cause the granular material to sink into the coating.

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**2,118,527**
**LABEL BRUSHING DEVICE**
**Charles Schmutzer, Irvington, and Kurt Manrodt, Newark, N. J., assignors to Hoffman Beverage Company, Newark, N. J., a corporation of New Jersey**
**Application September 26, 1935, Serial No. 42,218**
**14 Claims. (Cl. 216—59)**

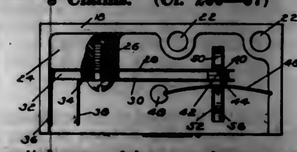
3. In a device for applying a label to a container, the combination of a pivoted holder, means relatively moving said holder and container toward engagement in the direction of application of the label, a brush on said holder, and a guide on said holder spaced from said brush in the direction of the relative approach of said container for engagement thereby to swing said holder about its pivot and engage said brush with the label, the said relative movement causing the brush to move over the label while di-



rected by said guide to follow the contour of the container.

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**2,118,528**
**SWITCH**
**Ray W. Scott, Detroit, Mich., assignor to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Delaware**
**Application September 11, 1937, Serial No. 163,357**
**8 Claims. (Cl. 200—67)**



1. A switch comprising a casing, a member pivoted on the casing and having two slopes engageable with the casing to determine two extreme positions and which is provided inside the casing with spaced jaws, spring contacts inside the casing one of which is biased toward and yieldingly held against one of said jaws and the other of which is biased to spring yieldingly away from said one contact and said one jaw thereby tending to separate said contacts, and a bowed resilient member confined at its ends and arranged at its center between the other jaw and said other contact and which is operated by movement of the jaws to snap suddenly past its center position in opposite directions to close and separate said contacts.

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**2,118,529**
**KERF-CUTTING MACHINE**
**William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois**
**Application June 5, 1936, Serial No. 83,733**
**10 Claims. (Cl. 262—23)**



1. In a mining machine, a truck, a cutting element mounted on said truck, said cutting element including a motor, a frame projecting forwardly therefrom, a turning frame projecting from said first-mentioned frame and mounted for pivotal movement with respect thereto about an axis extending longitudinally of the machine, a projecting chain carrying cutter bar mounted



in said frame, means driven by said motor for turning said turning frame including selectively operable reverse gearing and a selective drive connection therefrom including a clutch, means for locking said turning frame in fixed relation with respect to said first-mentioned frame including a pivotally movable member, and interlocking means between said turning means and locking means to prevent the attempted turning of said turning frame in either direction while said frames are locked in fixed relation with respect to each other including another member adapted to be engaged and moved by said pivotally movable member upon pivotal movement thereof, and a linkage connection between said last named member and turning means to prevent engagement of said clutch when said frames are locked with respect to each other.

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**2,118,530**
**COOKING UTENSIL**
**George Joseph Smith, Toronto, Ontario, Canada**
**Application March 20, 1937, Serial No. 131,981**
**1 Claim. (Cl. 53—8)**



In a cooking utensil, a sauce-pan having a beaded rim, a cover having a perforated section forming a strainer portion, a plate carried by the cover and centrally pivoted thereto for parallel rotary movement for closing and uncovering the perforated section, a knob for turning said plate, a pair of spaced clips rigidly carried by the cover at one side of its diameter and bent to hook onto the bead of the rim, a clip slidable radially on the other side of the diameter thereof and bent to hook onto the bead of the rim, a spring retracting the slidable clip, a projection carried by the slidable clip, and a ridge carried by the plate and adapted to engage the projection in one position of the plate to lock the spring clip in its engaged position so as to positively secure the cover on the sauce-pan.

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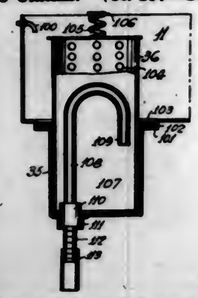
**2,118,531**
**END SLICE MECHANISM**
**Anton Van Veen, West Hartford, Conn., assignor to American Machine & Foundry Company, a corporation of New Jersey**
**Application July 26, 1935, Serial No. 33,291**
**10 Claims. (Cl. 146—95)**



1. The combination with pairs of continuously traveling leading and trailing members spaced in predetermined relation to receive loaves therebetween and continuously forward them endwise, a single blade rotary knife periodically crossing the path of the loaves forwarded by said members to slice the loaves into a plurality of slices, and means for forwardly moving the trailing member of successive pairs with respect to said leading member, to assure engagement of the forward end of the loaf with the leading

member of the pair, regardless of variations in the length of the loaves, whereby the first slice cut from the loaf by said knife will be of constant thickness, and mechanism acting to thereafter progressively retract the trailing member of each pair with respect to the leading member thereof in order to advance the loaf in such relation to the movement of the knife that the intermediate slices will be cut thinner than the last slice, whereby the last slice will be cut to a thickness greater than the intermediate slices regardless of variations in the length of the loaves.

**2,118,532**
**SIPHON SYSTEM**
**Eugene A. Widmann, New York, N. Y.**
**Application February 24, 1936, Serial No. 65,248**
**5 Claims. (Cl. 137—106)**



1. In a siphon system, the combination, a tank for the liquid to be siphoned having an aperture in its bottom, a sump in said aperture having a flange resting freely on the bottom, a siphon tube located in said sump with its end passing through the bottom of the sump, a shield for said sump engaging said sump, and means engaging the shield for holding said sump in place.

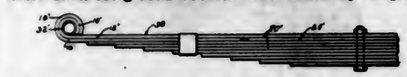
**2,118,533**
**ELECTRIC BLASTING INITIATOR**
**Clifford A. Woodbury, Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**Application November 19, 1936, Serial No. 111,583**
**9 Claims. (Cl. 52—4)**



1. A blasting initiator containing a composition wherein the explosive ingredients consist of a substantially homogeneous blend of black powder and ground smokeless powder.

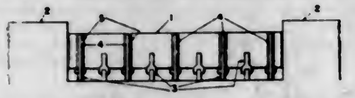
**2,118,534**
**LEAF SPRING**
**Nathaniel Wyeth, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware**
**Application June 27, 1935, Serial No. 28,664**
**4 Claims. (Cl. 267—47)**

1. In a leaf spring having a reinforcing spring leaf; a composite main leaf including a long leaf section having an eye at each of its longitudinal extremities, a pair of spaced end leaf sections having outer extremities fixed in reinforcing relation to and against longitudinal movement with respect to said eyes and having the major parts of their inner end portions in surface contact with said long leaf section and slidably disposed



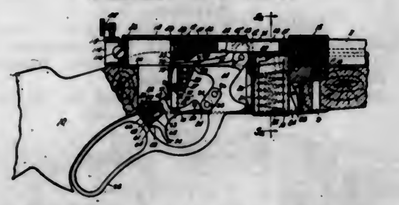
immediately between said long leaf section and said reinforcing spring leaf, and spacing means of greater thickness than the inner end portions of said end leaf sections located at the central portion of said leaf spring between said long leaf section and said reinforcing leaf for providing sliding clearance therebetween for the inner end portions of said end leaf sections.

**2,118,535**
**HINGED AUTOMATIC FLASHBOARD GATE**
**Clifford Allen Betts, Chevy Chase, Md.**
**Application August 27, 1937, Serial No. 161,181**
**5 Claims. (Cl. 61—26)**
**(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)**



1. An automatic flashboard for spillways of retaining walls, comprising a base section rigidly secured to the spillway, a gate section of predetermined height hingedly mounted to said base section, and a plurality of vertical supports removably secured to the spillway adapted to support said gate section against a body of liquid, the strength of said supports sustaining said gate section against said body of liquid being related to the head of water against said gate section.

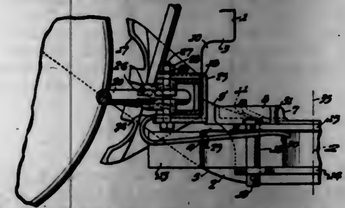
**2,118,536**
**FIREARM**
**Marriner A. Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah**
**Application May 27, 1935, Serial No. 23,561**
**9 Claims. (Cl. 42—16)**



1. In a firearm, a receiver, a breech block slidably mounted in said receiver, a striker slidably mounted in said breech block, means resiliently urging the striker forwardly into a striking position, and an operating lever pivotally connected to said receiver and operatively connected with said breech block and engageable with said striker for moving said breech block to retracted position and simultaneously moving the striker rearwardly and independently of the breech block into cocked position.

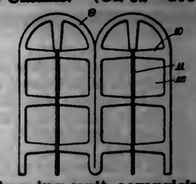


**2,118,537**
**RAILWAY TRUCK**
**Glenn F. Couch, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland**
**Application December 14, 1934, Serial No. 757,522**
**15 Claims. (Cl. 188—210)**



1. In a railway vehicle, in combination, a side frame with a tension member and a bolster opening thereabove, a bolster spring plate casting with a web adapted to support bolster springs mounted on said tension member and provided with a web portion depending therefrom and lying alongside said tension member, said web being extended beyond said depending web portion, a flange extending from the lower part of said depending web portion, a brake beam, a safety bar with a portion received between said web extension and flange, and means intersecting said web extension and flange for securing said bar to said casting, whereby said bar normally underlies the beam.

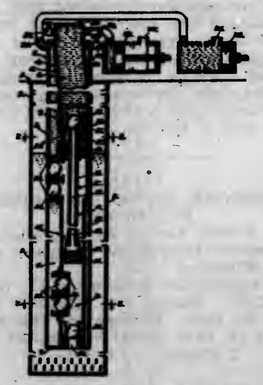
**2,118,538**
**ICE TRAY**
**Albert C. Fischer, Chicago, Ill.**
**Application February 15, 1932, Serial No. 593,026**
**10 Claims. (Cl. 62—108.5)**



1. An ice forming unit comprising a tray and a skeleton form within the tray, said skeleton form including complementary sections each having a series of spaced ribs extending only from one face and joined by a flexible connection, whereby said sections may be flexed in selective positions to provide ice cubes of different sizes.

**2,118,539**
**APPARATUS FOR PUMPING WELLS**
**Frederick Edmund Scheider and James Carl Hinkle, Los Angeles, Calif.; said Hinkle assignor to said Scheider**
**Refiled for abandoned application Serial No. 55,968, December 24, 1935. This application June 15, 1937, Serial No. 148,264**
**2 Claims. (Cl. 103—44)**

1. In well pumping apparatus, a well including independent pipe lines arranged one within the other and containing liquid columns which are capable of substantially counterbalancing one another, a power operated means for alternately applying pressure to the top of said liquid columns, a plunger ensemble operative adjacent to the lower ends of said pipe lines to separate said liquid columns and to transmit the forces of said columns from one to the other thereof, a plunger barrel contiguous with the lower end of the inner pipe line, a partition dividing said barrel into upper and lower sections, said plunger ensemble including a tubular plunger rod slidable in said partition, a plunger head on the upper end of said rod having a port therethrough communicating with the bore of said tubular rod, an upwardly opening check valve controlling said port, a plunger head on the lower end of said rod, said tubular rod having an opening in its lower end above the lowermost plunger head communicating with the lower section of said barrel, said barrel having an open port above the partition and below the upper plunger head when



the latter is in its lowermost position, a liquid intake member for said barrel located below the partition and communicating the supply of well liquid with the portion of the lower barrel section located above the lower plunger head, an inwardly opening check valve controlling said intake member, said barrel having an outlet port opening into the outer pipe line from the portion of the barrel located below the lower plunger head, an outwardly opening check valve controlling said outlet opening, means closing the lower end of the outer pipe line, said barrel having a liquid intake opening at its lower end communicating with the supply of liquid in said well and an upwardly opening check valve controlling the last named opening.

**2,118,540**
**AUTO STEERING WHEEL HANDGRIP**
**Ernest Van Arsdel, Indianapolis, Ind.**
**Application May 10, 1937, Serial No. 141,598**
**3 Claims. (Cl. 74—557)**

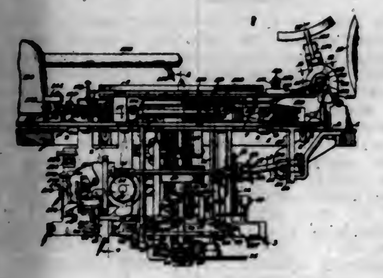


1. For an automobile steering wheel rim, a hand grip confined substantially entirely within the periphery of the rim and having a major upper surface transversely concave extending inwardly from the top of the rim and curving longitudinally downwardly and around toward the

under side of the rim and there terminate; the inside edge of the grip defining said surface curving upwardly from the lower rear end and thence downwardly and across to the lower inside of the rim; a major ridge extending downwardly from under said up-curved portion of said edge and outwardly toward the under side of the rim in substantial parallelism with the forward downwardly curving portion of said edge; said major ridge being spaced therefrom by a concave surface; and a second ridge spaced by a concave surface back of the first ridge in substantial parallelism thereto but in closer proximity to the rim; the grip being proportioned to have said upper surface receive the base of the driver's thumb in one position therealong with his fingers carried around the steering wheel rim to have the index finger come around ahead and above said grip, the second finger turned up along said first under concave surface, the third finger in said second under concave surface, and the small finger behind or below the grip into contact with the inner side of the rim.

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**2,118,541**
**GRAPHOPHONE OR SOUND REPRODUCING INSTRUMENT**
Harry A. Yeider, Grand Rapids, Mich., assignor to Automatic Instrument Company, a corporation of Michigan
Original application September 18, 1930, Serial No. 482,662. Patent No. 2,064,868, dated December 22, 1936. Divided and this application January 10, 1934, Serial No. 706,039
2 Claims. (Cl. 274—10)

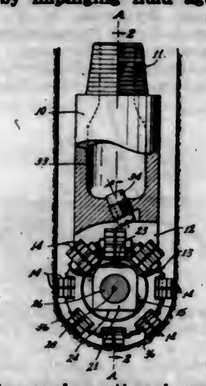


1. In an automatic phonograph having a turntable, a magazine, mechanism for transferring the records from the magazine to the turntable successively, and a plurality of individually movable record selector elements for causing a selected record to be transferred to the turntable, and a motor for operating the transfer mechanisms, the combination of a switch in the motor circuit, means to open and close said switch, and means common to all the selector elements and operated thereby when any one of the selector elements is moved and cooperating with the switch operating means to close the motor circuit.

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**2,118,542**
**DRILL BIT**
John A. Zublin, Los Angeles, Calif.
Application March 30, 1937, Serial No. 133,859
16 Claims. (Cl. 255—71)

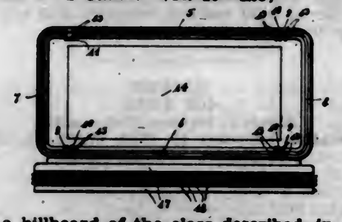
1. An earth boring tool comprising supporting means, means including a carrier supported by said means, and fluid discharge means on said supporting means, the center line of said discharge means passing to one side of the carrier axis, whereby impinging fluid against at least



part of said second mentioned means will cause its rotation.

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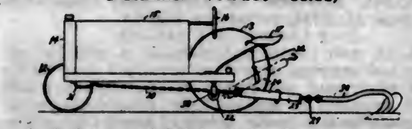
**2,118,543**
**BILLBOARD**
Jacob Asanger, Hollywood, Calif.
Application November 23, 1937, Serial No. 176,035
1 Claim. (Cl. 40—125)



In a billboard of the class described, in combination with a sub-structure and a central displaying surface, a frame for the displaying surface made in sections to fit the horizontal longitudinal as well as the opposite upright end-edges, the longitudinal sections being of plain straight form with transverse abutting ends, the upright end-sections including straight portions to correspond to the upright edges of the surface and curved portions to correspond to similarly shaped corners of the surface and having transverse abutting ends to meet the abutting ends of the longitudinal sections, and joining pieces shaped to fit on the front faces of the abutting longitudinal and end sections for overlapping the sections and having means by which to join the sections.

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**2,118,544**
**TRACTOR DRAW AND HITCH**
Stanley Asbury, St. Paul, Minn.
Application April 17, 1936, Serial No. 74,967
3 Claims. (Cl. 280—33.44)

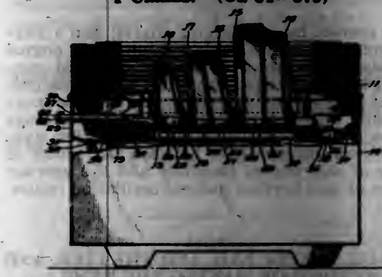


1. A draw and hitch device for tractors comprising a flexible draw member extending lengthwise under the tractor frame, the front end thereof secured near the central front part of the said tractor frame, means for flexibly supporting said draw member below and in proximity to the rear of the tractor frame at an elevation lower than the front connection described, said flexible support comprising a sheave suspended centrally of the member, a sheave block with a stem extending vertically, a transverse block through which said stem extends, means for adjusting said sheave block vertically to desired level, and flexible means such as chains connected to said transverse block and extending to opposite side parts of the tractor frame.



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**2,118,545**
**PIANO ACCORDION**
Charles E. Barber, Chicago, Ill., assignor to Chicago Musical Instrument Company, Chicago, Ill., a corporation of Illinois
Application September 25, 1936, Serial No. 102,566
4 Claims. (Cl. 84—376)



1. A piano accordion comprising a bass mechanism housing, a plurality of sets of reeds in the housing, parallel slidable members for controlling the passage of air through the reeds, a switch plate hingedly connected to the housing, a switch bar, a push rod rigidly connected to the switch bar and extending through an aperture in the hinged plate, said push rod occupying a space forwardly of and within the surface area of the hinged plate, operative connections between the hinged plate and one end of a slidable member, and operative connections between the push rod and the opposite end of another slidable member.

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**2,118,546**
**JOINTS FOR ELECTRIC CABLES**
Charles James Beaver and Edward Leslie Davey, Cheshire, England, assignors to W. T. Glover and Company Limited, Trafford Park, Manchester, England, a British company
Application July 6, 1935, Serial No. 30,060
In Great Britain July 18, 1934
7 Claims. (Cl. 173—268)



1. For an electric cable working with gas under pressure within pervious solid insulating material enclosed in a sheath, a jointing arrangement comprising the end parts of two cable lengths, said parts each having a bared end of insulating material extending beyond the end of the sheath, means for connecting the conductors of said end parts, a tube of rigid insulating material closely fitting on each of said bared ends and jointed to the sheath at one end, and a body of insulating tape wrapped round the conductor connection and round the adjacent ends of said tubes and built up to a diameter substantially greater than that of the said tubes whereby gas under pressure can percolate the end parts of the insulation of the cables and into the said built up body and fill the interstices thereof.

5. The combination with cable ends to be coupled wherein the cable comprises a conductor with a lead sheath and in which there is an extensible reenforcement about the sheath, of means rigidly connecting the sheaths with one another to prevent relative endwise movement and means resiliently connecting the reenforcements.

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**2,118,547**
**DEEP WELL FLUID MOTOR**
Charles C. Carlisle, Nowata, Okla.
Application February 15, 1934, Serial No. 711,333
8 Claims. (Cl. 103—46)



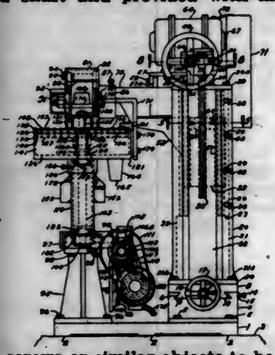
1. In a fluid actuated deep well motor for operating a deep well pump having a reciprocating plunger, a reciprocating piston, means for coupling said piston to the plunger of the pump, an inlet valve and an exhaust valve for said motor, a valve actuating auxiliary fluid motor having a reciprocating piston for actuating said first named valves and connected thereto, an inlet to and an outlet from said last mentioned piston, a slidable pilot valve for controlling said inlet to and outlet from said last named piston, a pilot valve actuating rod connected to said first named piston and adapted to reciprocate therewith, means for actuating said pilot valve with said rod, and linkage between said pilot valve and said first named valves for controlling the movement of said pilot valve.

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**2,118,548**
**POLISHING AND BUFFING MACHINE**
Gustave A. Carlson, Detroit, Mich.
Application October 28, 1936, Serial No. 108,033
4 Claims. (Cl. 51—166)

1. In a polishing and buffing machine, the combination of a base member, a bracket mounted on said base member, a slide member movably mounted on said slide member in a horizontal plane, a housing mounted on said slide member and provided with a groove extending vertically therein, a second slide movably mounted in said groove, a spindle housing supported by said second slide member, a spindle shaft rotatably mounted in said spindle housing, an electric motor assembly supported by said second slide member and driving said spindle shaft, a polishing or buffing wheel mounted on said spindle shaft and

adapted to rotate therewith, a second bracket mounted on said base member, a housing supported by said second bracket, a shaft extending through said housing supported by said second bracket, a disc member secured to said last mentioned shaft and adapted to rotate therewith, a retainer member rotatably mounted on said last mentioned shaft and provided with means for



retaining screws or similar objects to be polished or buffed, between said housing and said disc member, pressure mechanism for engaging said screws to rotate said screws individually and to further rotate said retainer member to feed said screws past said wheel, and an electric motor assembly supported on said second bracket and driving said last mentioned shaft.

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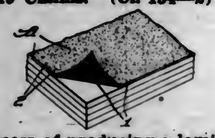
2,118,549

**LAMINATED PRODUCT AND PROCESS OF MANUFACTURE**

John D. Cochrane, Jr., Cincinnati, Ohio, assignor to The Formica Insulation Company, Cincinnati, Ohio, a corporation of Ohio

Application July 20, 1933, Serial No. 681,387

19 Claims. (Cl. 154—2)



1. The process of producing a laminated product which comprises: applying to a foundation-body a surface-sheet coated on its outer side with a dried pigmented resin varnish and coated on its inner surface with a dried resin varnish of different type adapted to serve as a bonding agent; and consolidating the assembly under heat and pressure.

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2,118,550

**MOUNTING OF RADIAL CYLINDER ENGINES**

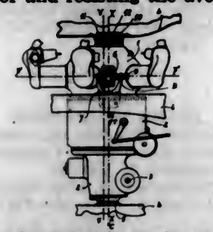
Paul Charles Albert Marie d'Aubarede, Saint-Genis-Laval, France

Application May 15, 1937, Serial No. 142,900

In Germany and Italy May 18, 1935

10 Claims. (Cl. 180—64)

1. In combination a frame; an engine assembly comprising an engine proper with cylinders radially disposed about a motor shaft, said engine producing periodic torques tending to oscillate said engine assembly about a varying natural oscillation axis passing through the center of gravity thereof and parallel in average direction to said motor shaft, and said engine also producing periodic forces tending to oscillate said engine assembly conically about a varying natural oscillation center substantially disposed on the average position of said varying natural oscillation axis; driving shafts through which a driving torque is derived from said engine assembly, said driving shafts being supported by said engine assembly transversely of said motor shaft; spring means adapted to maintain said engine assembly on said frame while permitting the conical oscillations thereof and resisting the average driving



torque exerted by said driving shafts; and a flexible connection for yieldably retaining said engine assembly with respect to said frame, said connection being arranged to permit conical oscillations of said engine assembly, and said connection being disposed substantially on the average position of said varying natural oscillation axis, at a position intermediate between the center of gravity of said engine assembly and the average position of said varying natural oscillation center.

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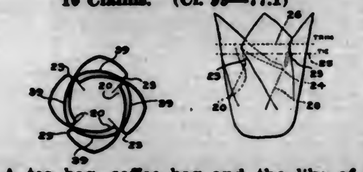
2,118,551

**TEA BAG, COFFEE BAG, AND THE LIKE, AND METHOD OF MAKING THE SAME**

Ralph N. Doble, Hingham, Mass.

Application October 19, 1937, Serial No. 169,763

10 Claims. (Cl. 99—77.1)



1. A tea bag, coffee bag and the like of the pouch type made from a rectangular blank of bag material having its edges gathered together and fastened in their gathered-together relation by a fastening device, in which the bag material constituting the side walls of the bag is formed into inner and outer overlapping folds arranged alternately in a predetermined order, said outer folds overlapping the adjacent inner folds.

5. The method of making a tea bag, coffee bag and the like which consists in forming a rectangular blank into the form of the bag by turning the outer portions of the blank upwardly, and in so doing forming the central portion of each side of the blank into an inner fold extending from adjacent the bottom toward the top of the bag, and forming each corner portion of the blank into an outer fold which is oppositely disposed to and overlaps the adjacent inner folds.

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2,118,552

**BRICK CUTTING MACHINE**

Hugo Filippi, Chicago, Ill., assignor to Illinois Brick Company, a corporation of Illinois

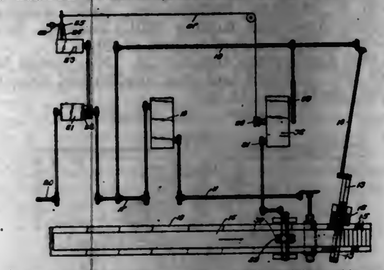
Application March 12, 1937, Serial No. 130,573

12 Claims. (Cl. 25—109)

1. Apparatus of the character described for cutting a strip of plastic material, including:



means for moving said strip of material; a stationary rotary cutter for cutting said moving strip at desired intervals; and means for synchronizing the speed of rotation of said cutter with movement of said strip to maintain said intervals substantially constant despite variations in the rate of movement of said plastic strip.



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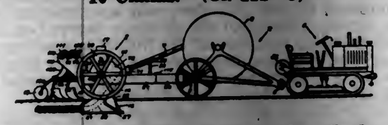
2,118,553

**MACHINE FOR LAYING CABLES, PIPES, AND THE LIKE**

Marshall Thomas Joseph Garlinger, San Jose, Calif.

Application January 29, 1936, Serial No. 61,387

10 Claims. (Cl. 111—5)



2. A machine of the character described comprising a frame, earth cleaving means carried thereby made to cut a crevice in a surface, a feed tube having an exit end for delivering a cable or the like into the crevice cut by the cleaving means, a pair of wheels supporting the frame, means for axially moving the wheels individually for adjusting the space between the wheels and the relative position of the cleaving means and the exit end of the feed pipe with respect to the wheels, and means for securing the wheels in adjusted position.

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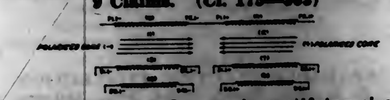
2,118,554

**INDUCTIVE RECTIFIER**

John R. Gaston, East Orange, N. J., assignor to American Transformer Company, Newark, N. J.

Application June 24, 1936, Serial No. 86,956

9 Claims. (Cl. 175—363)



1. A transformer for use in rectifying circuits having plural phase sections including a magnetic core for each phase having oppositely polarized sections, a primary winding associated with each of said sections, and a plurality of interconnected secondary windings located in inductive relation to each of the primary windings.

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2,118,555

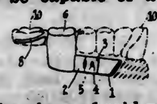
**DENTURE CONSTRUCTION**

James Franklin Giffen, London, Ontario, Canada

Application July 1, 1936, Serial No. 88,464

1 Claim. (Cl. 32—7)

A lingual bar comprising a plurality of parts and means for so connecting said parts as to permit them to move relatively to each other either bodily in a vertical direction or in a rotary direction or with a combined vertical and rotary movement, characterized in that the adjacent ends of the parts of the bar are loosely pivoted to each other so as to be capable of a limited relative



movement in the plane of said parts, and wherein the end of one of the parts is bifurcated and the end of the other part projects into said bifurcation, one of said ends carrying a pin which extends through a vertical slot formed in the other end.

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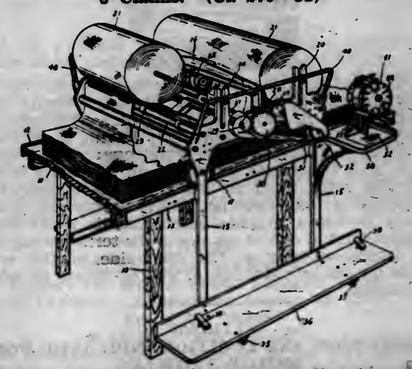
2,118,556

**TRAVELING REEL**

Alfred H. Haberstump and Frank N. Cramer, Detroit, Mich., assignors to The Murray Corporation of America, a corporation of Delaware

Application March 11, 1936, Serial No. 68,161

3 Claims. (Cl. 270—31)



1. A cloth laying machine including in combination a pair of spaced frame members, a brace member interconnecting said frame members, a shaft journaled in said frame members, a motor mounted on said brace member serving to drive said shaft, rollers journaled in said frame members serving to support a reel of cloth, and means interconnecting said shaft and said rollers whereby said motor serves to unreel said cloth.

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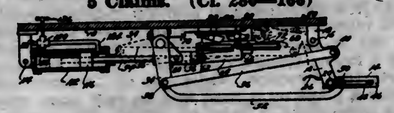
2,118,557

**RETRACTABLE STEP FOR VEHICLES**

Glen W. Hamilton, Independence, Mo., assignor of one-fourth to Vinton H. Rowlett, Kansas City, Mo.

Application August 17, 1936, Serial No. 96,359

5 Claims. (Cl. 280—166)

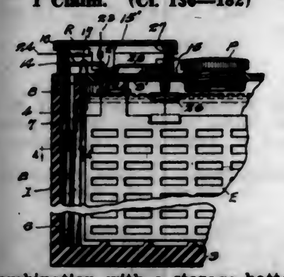


1. A retractable step for vehicles comprising a support; a step swingably mounted on spaced-apart links pivotally carried by said support; means for moving said step to and from the operative position, said means including a compressible spring member operable whereby said

member is movable through a predetermined distance without moving said step; and securing means associated with said first named means operable by the initial movement of said compressible spring member to release said step moving means to permit movement of the step to or from the operative position.

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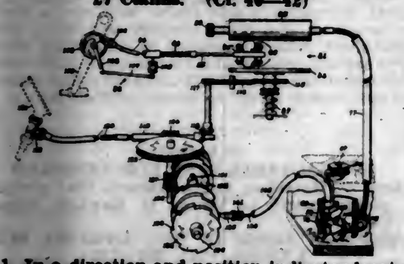
2,118,558
**CONTROL DEVICE FOR STORAGE BATTERIES**
Elvin T. Hanson and John C. Amell, Spokane, Wash.
Application August 16, 1935, Serial No. 36,585
1 Claim. (Cl. 136—182)



The combination with a storage battery having spaced opposed interior flanges forming an open recess in one of its walls, of a hydrometer float comprising a hollow body having a central interior tubular post terminating at its lower end in a transverse partition, an upwardly projecting stem fixed in the post and extending through a wall-opening above the recess, said body having a weight-chamber at its lower end and a duct in one of its side walls terminating in a lateral-opening at the open-side of the recess for the introduction of weight-pellets to said chamber.

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2,118,559
**DIRECTION AND POSITION INDICATOR FOR MOTOR VEHICLES**
Hans Hehmann, New York, N. Y.
Application June 11, 1936, Serial No. 84,627
27 Claims. (Cl. 40—42)



1. In a direction and position indicator located in a motor vehicle, a stationary road map visible to the occupant of the vehicle, means comprising a linear-formed indicator of which its extent gives the direction, while one of its extremities notes a place on a road line on said map, which line represents a road on which the vehicle is located and further means adapted to move said pointing means in different directions and to successively rotate said pointing means on its axis, whereby to respectively indicate on said road line the movement as well as the direction of movement of the vehicle on the road.

2,118,560
**REVERSIBLE ROLLING UNDER CONTROLLED TENSION**
Edwin B. Hudson, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Original application October 23, 1934, Serial No. 749,592. Divided and this application July 15, 1935, Serial No. 31,346
2 Claims. (Cl. 80—32)



1. In combination a reversible mill for rolling strip metal, means for exerting a pulling force on said strip metal, means for rendering the tension on said strip metal independent of variations in elongation, said last mentioned means comprising means for taking up said strip metal under a predetermined force which in terms of tension on the strip is constant during the operation of the mill in any one direction, said force being exerted by fluid pressure means, including a pressure cylinder, a fluid pressure accumulator connected to said cylinder, said accumulator being tiltable to control the pressure exerted on the fluid therein, and means for tilting said accumulator when said mill is reversed so as to change the value of said constant tension upon reversal of the mill.

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2,118,561
**RIVET**
Gunther K. E. Kleeberg, Chicago, Ill.
Application April 6, 1936, Serial No. 72,939
4 Claims. (Cl. 85—37)



1. A rivet consisting of a receiving member having an uninterrupted interior annular tooth effective as a ratchet tooth, and an integral entering member having an uninterrupted exterior annular tooth of a similar character, the outer diameter of the exterior tooth being slightly greater than the inner diameter of the interior tooth, the difference between said diameters being within the elasticity of the material of which the members are made.

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2,118,562
**SEPARABLE ELECTRIC CONNECTION**
Bert E. Kunkle, South Bend, Ind., assignor of one-half to Florence E. Newhall, Chagrin Falls, Ohio
Application March 1, 1935, Serial No. 6,916
2 Claims. (Cl. 173—330)

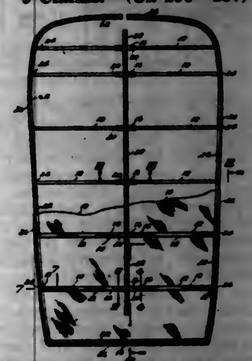


1. The combination of a socket member, comprising a comparatively small sleeve, a comparatively large concentric sleeve, and a connecting head, all of insulating material, bowed spring contacts with their extremities lying respectively against the inner and outer sides of the smaller sleeve, said contacts being positioned opposite each other in a common radial plane on the same side of the sleeve axis and connected with conductors outside of the sleeves, and a plug having a sleeve adapted to enter the space between the two sleeves of the socket and provided with a central contact adapted to engage the contact within the inner socket sleeve and an annular contact on the interior of the plug sleeve adapted to engage the contact on the outside of the inner sleeve of the socket.



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2,118,563
**AUTOMOBILE HEADLINING**
John H. Mackay, Detroit, Mich.
Application August 5, 1937, Serial No. 157,589
9 Claims. (Cl. 296—137)



1. Vehicle body headlining structure comprising, in combination, framework having a center frame member provided at spaced apart points lengthwise therealong with stationary rib portions fixed thereto and extending transversely thereacross, a pair of ribs hinged to each stationary rib portion, one to each end thereof to swing downwardly toward each other or to be elevated to the outspread position, side frame members secured to the outer end of said ribs and a headlining secured to the underside of said frame work.

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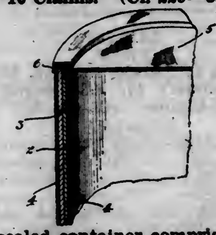
2,118,564
**SMOKER'S ACCESSORY**
Byron R. McCready, Gary, Ind.
Application December 23, 1935, Serial No. 55,787
6 Claims. (Cl. 206—41)



1. A smoking accessory comprising in combination a casing having an opening in the side wall and an opening in the bottom wall, a closure for the bottom wall in the form of an ash receptacle projecting inwardly of, and in telescopic relation with, the casing to a point adjacent the opening in the side wall of the casing, a scraper positioned within the casing adjacent the opening in the side wall thereof and above the ash receptacle whereby a burned cigarette may be passed through the opening in the side wall and the ashes removed by the said scraper and dropped into the ash receptacle.

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2,118,565
**LAYERED STRUCTURE AND PROCESS OF MAKING THE SAME**
Alexis E. Meade, Lakewood, Ohio, assignor, by mesne assignments, to International Container Coatings Corporation, a corporation of Ohio
Application December 11, 1933, Serial No. 701,945
Renewed February 8, 1935
10 Claims. (Cl. 229—3.5)



1. In a sealed container comprising a tubular, open ended paper shell and ends seamed thereto, said shell being of a porous nature, a flexible sheet of lining of relatively less porosity bonded to the shell to form a body structure and a continuous oil impervious surface membrane completely enveloping and keyed into the inner and outer surfaces and end edges of said body structure, the body structure and membrane coacting to produce a substantially rigid oil-impervious container.

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2,118,566
**BUFFERED COSMETIC**
Gilbert De Wayne Miles, Sunland, Calif.
No Drawing. Application August 29, 1935, Serial No. 38,481
8 Claims. (Cl. 167—90)

1. A cosmetic for application to the skin comprising a base material and a buffer composition to maintain the pH of the cosmetic at a point between 4 and 7.

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2,118,567
**CATALYTIC OXIDATION OF ORGANIC COMPOUNDS**
Nicholas A. Milas, Belmont, and William L. Walsh, Somerville, Mass., assignors to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application August 27, 1935, Serial No. 38,050
7 Claims. (Cl. 260—116)

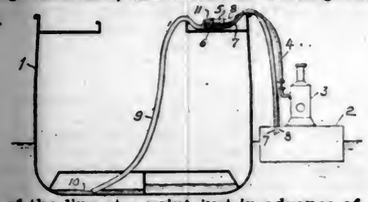
1. In the method of catalytically oxidizing oxidizable organic materials involving contacting the same, admixed with free oxygen-containing gas, with a heated oxidation catalyst, the step which consists in conveying the oxidizable organic material to the heated solid catalyst in non-gaseous finely divided form.

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2,118,568
**OIL PUMPING APPARATUS**
Bengt Olsson, Brooklyn, N. Y.
Application April 24, 1936, Serial No. 76,099
3 Claims. (Cl. 103—203)

2. In a pumping apparatus for viscous material, a transmission line for air and material substantially formed as an inverted U with the discharge leg directed downwards, a steam jet placed

at the highest portion in the line, arranged to discharge thereinto, and means for sucking the air



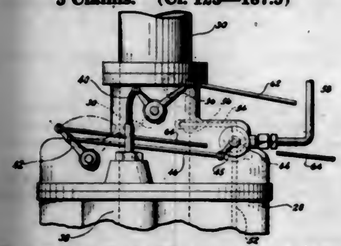
out of the line at a point just in advance of said steam jet.

2,118,569
TRAP
Charles L. Oswald, Pontiac, Mich.
Application January 17, 1935, Serial No. 2,246
35 Claims. (Cl. 43—85)



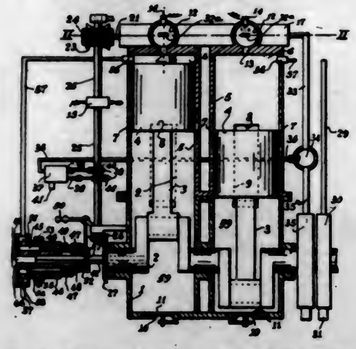
1. In a trap, a pair of looped jaw members rotatable with relation to each other about a substantially fixed axis, at least one of said jaw members being formed of spring material and having a portion movable toward and from said axis and slidably engaging the other jaw member to induce turning of said other jaw member with relation to the member having said movable portion, about said fixed axis, from a set to a sprung position, and holding and trigger portions for maintaining the jaw members in set relation and for releasing the same for movement to a sprung position.

2,118,570
ENGINE PRIMING MEANS
Wright A. Parkins, West Hartford, and Alfred H. Marshall, West Bloomfield, Conn., assignors, by mesne assignments, to United Aircraft Corporation, a corporation of Delaware
Application June 23, 1933, Serial No. 677,214
5 Claims. (Cl. 123—187.5)



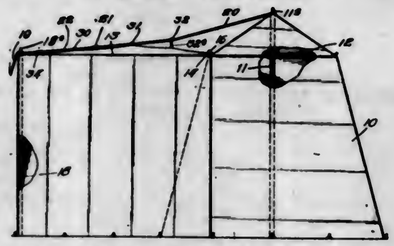
1. In combination with an engine, a carburetor having a fuel pump, a jet, and mixture control operating means, an engine priming connection, a valve for selectively directing fuel from said pump to said jet or to said engine priming connection and means connecting said mixture control operating means and said valve whereby operation of the mixture control operating means will operate the valve.

2,118,571
CHARGE STRATIFICATION DUAL CHARGING INTERNAL COMBUSTION ENGINE
Adolphe C. Peterson, Edina, Minneapolis, Minn.
Application January 20, 1933, Serial No. 652,747
Renewed October 8, 1937
6 Claims. (Cl. 123—65)



4. A plurality of main combustion chambers and cooperating driven means, means for periodically charging each main combustion chamber with air, a plurality of supplementary combustion chambers each related to and communicating with each individual combustion chamber, a common source of air and fuel mixture under pressure and in predetermined proportions, and a means associated therewith for periodically delivering a charge of the mixture to each supplementary combustion chamber, a common source of scavenging air under pressure and a means for distributing charges thereof periodically to each supplementary combustion chamber in advance of the delivery of the air and fuel mixture charge thereto, and a means for periodically delivering to each main combustion chamber a charge of fuel.

2,118,572
TENT
Frank M. Powers, Chicago, Ill., assignor to Powers & Company, Chicago, Ill., a corporation of Delaware
Application March 12, 1937, Serial No. 130,436
8 Claims. (Cl. 135—1)



1. In combination with a tent having a peak; a substantially horizontal polygonal canopy at one side of the tent with two outer corners supported by poles, the peak of the tent extending higher than the canopy; a rope with one end attached to the tent at or near the peak at an elevation above the canopy and the other end attached to bridle ropes connected to the poles supporting the outer corners of the canopy; and means for supporting a portion of said canopy



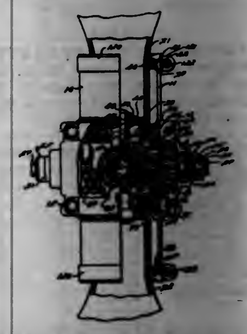
from said ropes in raised position to produce a pitch in said canopy to shed rain water therefrom.

2,118,573
STEERING WHEEL TURNING DEVICE
John Sinko, Chicago, Ill.
Application April 19, 1937, Serial No. 137,847
8 Claims. (Cl. 74—557)



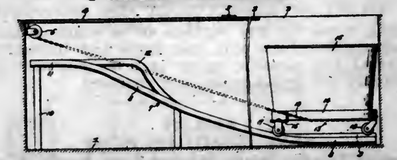
1. In combination: a supporting bracket; a knob rotatably mounted on said bracket; and a friction device for securing the members together and resisting relative movement therebetween comprising a rubber bushing for one of said members and a trunnion member secured to the other member and journalled in said bushing.

2,118,574
AUTOMATIC PROPELLER
John Squires, Hagerstown, Md.
Application February 27, 1935, Serial No. 8,440
12 Claims. (Cl. 170—162)



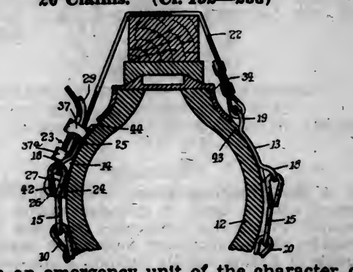
1. In an aircraft including an engine, a propeller operable by said engine including a rotatively adjustable blade, centrifugal apparatus for increasing the pitch of said blade, and mechanism for yieldably urging said blade toward its minimum pitch position including resilient means under an initial compression for holding said blade against movement from its minimum pitch position until substantially the rated full power operating speed of said engine is attained, said mechanism including opposed pressure members and a rotatable member having end portions on opposite sides of its axis, each co-acting with one of said pressure members respectively and being so constructed and arranged as to subject said resilient means to a substantially gradually decreasing amplitude of deflection per unit of increase of the pitch of said blade during movement thereof from a minimum to a maximum pitch position.

2,118,575
ASH REMOVER
Sebastian Steinmitz, Scranton, Pa.
Application December 4, 1937, Serial No. 178,179
4 Claims. (Cl. 187—62)



1. An ash remover for furnaces comprising a pit structure including a closure, a track mounted in said pit structure, a truck, for supporting an ash receptacle, mounted for travel on said track, and means operatively connecting said truck to the closure for actuation thereby when said closure is opened.

2,118,576
EMERGENCY TIRE CHAIN UNIT
Earl A. Stuller, Chicago, Ill., assignor to Western Chain Products Co., Chicago, Ill., a corporation of Illinois
Application August 24, 1935, Serial No. 37,627
20 Claims. (Cl. 152—233)



1. In an emergency unit of the character described, the combination of road engaging means adapted to fit transversely across the tread portion of a tire, elongated cross plates having outwardly offset portions near their opposite ends on one longitudinal edge connected to said engaging means, said plates occupying positions substantially paralleling the side walls of the tire on opposite sides thereof adjacent to the margins of the tire supporting rim and having on their remaining longitudinal edges transversely extending integral portions of substantial width, detachable means for securing the unit in place arranged to extend from one cross member to the other through the wheel assembly and being in engagement with said portions, and parts integral with said portions and substantially underlying said detachable means when the unit is assembled with the wheel assembly, said parts being turned inwardly for engagement with the adjacent underlying side walls of the tire and extending in a direction which follows the contour of said side walls toward the outstanding parts of said rim near the convergence of the tire therewith for maintaining the unit against longitudinal movement around the tire.

2,118,577
PAVING DEVICE
Georges Thévenin, Longwy, France
Application March 11, 1937, Serial No. 130,379
In France March 21, 1936
1 Claim. (Cl. 94—15)

A process for laying a road paving consisting of a metallic wearing surface and carrying a

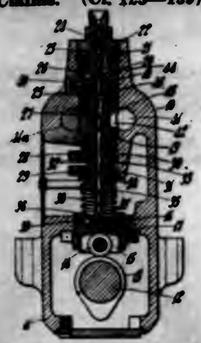
plastic layer which comprises making in advance composite paving units having an upper metallic face and a relatively thin base of bituminous ma-



terial, covering the surface of a roadbed with such units in dry and cold state and thereafter heating the metallic upper face to cement individually the units with said roadbed.

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2,118,578
**FUEL INJECTION PUMP**
George Joseph Trapp, Merton Park, England, assignor to Automotive Products Company Limited, London, England
Application August 15, 1935, Serial No. 36,413
In Great Britain August 16, 1934
2 Claims. (Cl. 123—139)

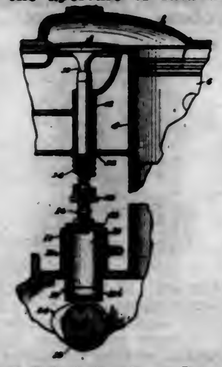


1. A fuel injection pump comprising a body formed with a bore, a cylinder casing fixedly mounted within but removable from the bore, a tubular cylinder mounted within the casing and capable of sliding axially therein, a one-piece reciprocating plunger closing the lower end of the cylinder, means for reciprocating the plunger, an axially bored fixed plunger extending into the upper end of the cylinder to close the latter, a one-way delivery valve closing the bore in the fixed plunger, a fuel inlet passage in the body, a port in the cylinder wall communicating with said inlet passage, a controlling edge on the plunger determining the beginning of fuel injection and another edge thereon determining the end of injection, means for moving the cylinder axially to alter the time of the beginning and the ending of injection simultaneously and to the same extent, means for bringing about relative rotation between the reciprocating plunger and the cylinder to vary the quantity of fuel delivered at each stroke, and a passage connecting with the inlet passage, an annular space embracing the fixed plunger and bounded by the slidably adjustable cylinder, the arrangement being such that the cylinder casing when removed from the body carries with it as a unit the cylinder, the fixed plunger and the reciprocating plunger.

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2,118,579
**VALVE TAPPET**
Cornelius W. Van Ranst, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 19, 1934, Serial No. 744,614
1 Claim. (Cl. 123—90)

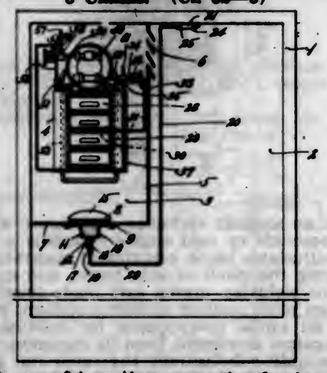
In a tappet for internal combustion engines, the combination of a body portion having an apertured end wall, said end wall being threaded at the aperture, a spring metal disk arranged against the inner face of said end wall, said disk in its normal state being cup-shaped, and said disk having an aperture with threads in the aperture so formed that when the disk is in a flat state the threads correspond exactly with the threads in the aperture of said end wall, said



spring metal disk being in a flat state with its normally concave face against the inner face of said end wall, and a threaded adjustment member extending through the apertures of said end wall and said disk and in intimate threaded contact with both, whereby the adjustment member retains said disk in its flat state and the disk acts to frictionally lock the adjusting member in adjusted position.

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2,118,580
**REFRIGERATING APPARATUS**
George B. Wagner, Winchester, Mass., assignor to Francis R. Mullin, Winchester, Mass.
Application August 23, 1934, Serial No. 741,758
8 Claims. (Cl. 62—3)



1. In a refrigerating apparatus having a liquid-freezing unit, a circuit for a volatile refrigerant having expansion means including a coil surrounding said unit, means in said circuit for supplying liquid refrigerant under pressure to said expansion means, and means for removing the vapor therefrom at a reduced pressure, a valve in said circuit, thermostatically operable valve-actuating means having a thermo-sensitive element located in proximity to said coil and operable when sufficient frost accumulates on said coil effectively to contact said thermo-sensitive element to cause a change in the circulation of said refrigerant which will cause defrosting of the coil.



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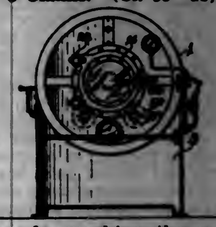
2,118,581
**HOLDING MEANS**
Harry P. Wurman, Brooklyn, N. Y., and Rush D. Touton, Philadelphia, Pa., assignors to Wurton Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 16, 1935, Serial No. 11,434
1 Claim. (Cl. 24—255)



In a holding means, a resilient band having a resilient bead on its inner surface between its edges and extending between points spaced from the ends of the band.

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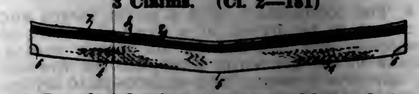
2,118,582
**LAUNDRY WASHING MACHINE**
Louis Zimarik, Syracuse, N. Y., assignor to The Prosperity Company Inc., Syracuse, N. Y., a corporation of New York
Application June 27, 1935, Serial No. 28,707
3 Claims. (Cl. 68—18)



1. In a laundry machine, the combination of an outer casing and an inner drum mounted in the casing to move about a horizontally extending axis, the drum having an axial door opening in one end, and the casing having a door opening alined therewith, a door for the latter opening closing and seating against the casing and including an inner non-rotatable portion extending into and approximately closing the drum opening, said door being formed with a peripheral channel and when closed receiving fluid passing said inner portion, and means for leading the fluid from the channel into the casing, in a radial direction outside of the drum opening.

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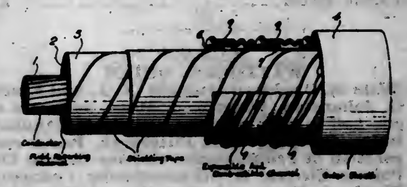
2,118,583
**SWEAT BAND FOR HATS**
Seth Adamson, Larchmont, N. Y., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application June 26, 1935, Serial No. 28,401
3 Claims. (Cl. 2—181)



1. In a hat having a crown and brim that encircle the head opening, a woven elastic band of sufficient length and width to form an elastic sweat band that extends around the perimeter of the head opening, said band being so woven as to have a lengthwise curvature and a convex and concave edge at the front of the hat, and means for securing said concave edge to the front of the hat at the juncture of the crown and brim so that the band will lie close to the side walls of the hat.

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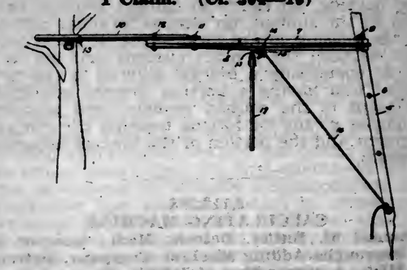
2,118,584
**FLUID IMPREGNATED ELECTRIC CABLE**
Frank L. Aime, New York, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application May 31, 1934, Serial No. 728,215
5 Claims. (Cl. 173—266)



1. A sheath for a fluid impregnated cable comprising a strip of metal wound helically into a tubular structure, the adjacent edges of said strip being interlockingly engaged and soldered together in an oil impervious seal, and the center longitudinal section of said strip being convoluted to form a helical channel longitudinally of the sheath opening to the interior of said tubular structure, said channel overlying a substantial portion of the width of the strip and forming an expansible and contractible chamber for the cable fluid.

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2,118,585
**SCAFFOLD BOARD AND LADDER**
Carl Alber, Nebraska City, Nebr.
Application September 11, 1936, Serial No. 100,342
1 Claim. (Cl. 304—10)



A fruit picker's scaffold for use with a ladder, comprising a platform, means for pivotally connecting one end of the platform to a rung of the ladder, a supporting arm adjustably connected with the platform, a positioning pole pivotally connected to the platform whereby the platform may be swung to its supporting position, and a flexible connecting member connected with the platform and adapted to be secured to a rung of the ladder maintaining the angular position of the ladder and platform.

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2,118,586
**THERMOPHORIC COMPOSITION**
John A. C. Bowles, Boston, and Ronald Lyman McFarlan, Marblehead Neck, Mass., assignors to United Drug Company, Boston, Mass., a corporation of Delaware
No Drawing. Original application December 18, 1936, Serial No. 116,514. Divided and this application November 6, 1937, Serial No. 173,220
7 Claims. (Cl. 44—3)

1. A thermophoric composition comprising a mixture of a preponderant portion of sodium ace-

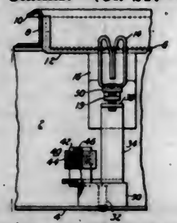
tate trihydrate and manganous chloride tetrahydrate.

7. A thermophoric composition substantially as follows:

| | Percent by weight |
|---|---|
| Manganous chloride tetrahydrate | 3.3 |
| Sodium acetate trihydrate | 94.0 |
| Ethylene glycol | 2.7 |

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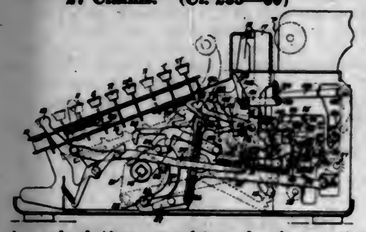
2,118,587
**WATTHOUR METER**
William M. Bradshaw, Summit, N. J., and Ernest G. Johansson, Watertown, Mass., assignors of one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania, and one-half to The Palmer Electric & Manufacturing Company, Waltham, Mass., a corporation of Massachusetts
Application December 31, 1936, Serial No. 118,590
6 Claims. (Cl. 247—2)



6. An electrical connector device comprising a housing, an instrument support mounted upon the housing, an electrical contact element carried by the support, an electric terminal carried by the housing, means for insuring electrical contact between the contact element and the terminal comprising a bracket secured to the terminal and having a portion thereof extending adjacent to the contact element, and pressure applying means for forcing together the contact element and the portion of the bracket adjacent thereto.

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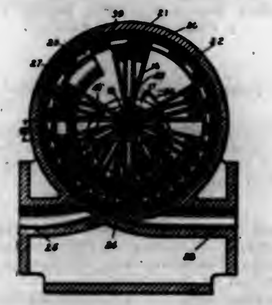
2,118,588
**CALCULATING MACHINE**
Thomas M. Butler, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application January 11, 1932, Serial No. 585,940
27 Claims. (Cl. 235—60)



1. A calculating machine having actuator racks, a registering mechanism comprising a set of addition pinions intermeshing with a set of subtraction pinions, said pinions being mounted so that either set may be selectively tumbled to a position for cooperation with the actuator racks, a rocking frame in which said sets of pinions are mounted, means for rocking said frame to engage and disengage said pinions with said actuator racks, and means acting automatically to selectively tumble said registers as said registering mechanism is moved to engage the pinions with said actuator racks.

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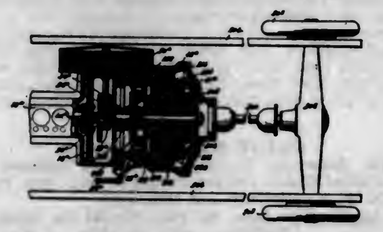
2,118,589
**PUMP**
Albert Guy Carpenter, Jr., Yonkers, N. Y.
Application June 11, 1934, Serial No. 730,047
14 Claims. (Cl. 103—118)



1. In combination a pump comprising a casing with inlet and outlet, impeller members rotatably mounted in the same plane on a shaft but movable with respect to one another in such a way that a progressively periodic variation in their spacing during rotation creates a displacement between adjacent impellers and an electromagnetic field adjacent the impellers and adapted to drive and control the same, said field having the same center as the axis of rotation of the impeller members and having poles the spacing or pitch of which varies progressively about the field to correspond to the spacing and motion of the impellers.

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2,118,590
**REGENERATIVE TRANSMISSION SYSTEM**
Roland Chilton, Ridgewood, N. J.
Application June 23, 1934, Serial No. 732,182
37 Claims. (Cl. 74—574)

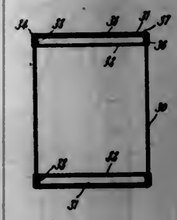


4. The combination with a power means and a means to be driven, of a flywheel, means to accelerate the flywheel by the power means, means to independently accelerate the flywheel by said driven means, and variable ratio driving means controllable at will to produce said independent acceleration by decelerating the means to be driven.

7. A transmission adapted for use on an automotive vehicle including, in combination, a flywheel, means to energize the flywheel to higher than engine speed from the engine of the vehicle, and means progressively variable in torque and speed ratios adapted to accelerate the flywheel by progressively decelerating the vehicle.



2,118,591
**PAPER CONTAINER AND COVER THEREFOR**
Kempton Clark, Little Compton, R. I., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Application June 9, 1934, Serial No. 729,790
12 Claims. (Cl. 229—5.5)



1. In combination with a frusto-conical receptacle, of a cap for said receptacle having a rim substantially U shape in cross section and with the side walls thereof parallel and substantially non-tapering, the inner of said side walls, when the cover is closed, engaging firmly against the inner face of said receptacle wall adjacent to its upper edge and the outer of said walls at its lower edge engaging firmly on the outer face of said receptacle wall below its upper edge, said cap being retained in position on said receptacle through its frictional engagement therewith.

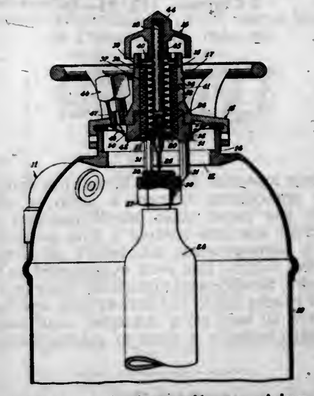
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2,118,592
**COMBINATION BRASSIÈRE AND GIRDLE**
Mortimer L. Davis, New York, N. Y.
Application August 27, 1936, Serial No. 98,168
1 Claim. (Cl. 2—30)



In a garment comprising in combination a detachable brassière and girdle, a row of horizontally disposed fastener elements secured to the lower edge of the brassière, a row of horizontally disposed fastener elements secured to the inside of the girdle below the upper edge thereof, said rows adapted for engagement with each other, said girdle having a slit overlying the last mentioned fastener elements for access thereto, and a flap extending from the upper edge of the slit and covering said last mentioned fastener elements whereby both sets of fastener elements are concealed when the same are engaged.

2,118,593
**FIRE EXTINGUISHER**
Fred Albert Dodelin, Glen Ridge, N. J., assignor to Pyrene Manufacturing Company, Newark, N. J., a corporation of Delaware
Application April 20, 1937, Serial No. 137,953
1 Claim. (Cl. 169—31)



A cartridge puncturing unit comprising a housing, a piercer-actuating rod adapted for axial movement within said housing, a piercer carried by said rod, a sylphon bellows disposed within said housing and surrounding said rod, said bellows being at one end in gas-and-liquid-tight union with said housing and at its other end in liquid-and-gas-tight union with said rod, a spring housing disposed within said bellows and surrounding said rod, an inwardly extending flange carried at one end of said spring housing and adapted to slidably accommodate said rod, a cap secured to said rod exteriorly of the first-mentioned housing and including a sleeve-like hub, a ring-like clamp nut carried within the outer end of the first-mentioned housing and co-operating with said bellows and said spring housing to retain them within the first-mentioned housing, said clamp nut slidably accommodating said sleeve-like hub and functioning in cooperation with said flange to guide said rod in a co-axial relation to the first-mentioned housing, and a compression spring confined between said flange and said sleeve-like hub, said spring being adapted to exert a thrust on said rod in one direction and to yield incident to movement of said rod in an opposite direction.

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2,118,594
**PERMANENT WAVE MACHINE**
William L. Douden, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 28, 1933, Serial No. 704,243
4 Claims. (Cl. 219—24)



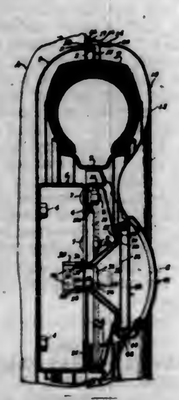
1. A hair waving device for use with inductive wavers comprising a tubular electrically conducting means openable along one side, and means for electrically connecting adjacent portions of said openable side.

2,118,595
**STRIP MATERIAL FOR USE IN MAKING CENTER SPOT CROWNS**
Jay Bernard Risen, Yonkers, N. Y., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York
Application July 14, 1936, Serial No. 90,466
3 Claims. (Cl. 91—68)



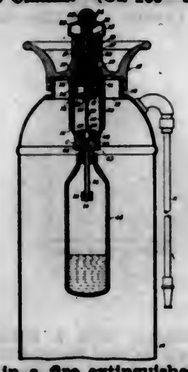
1. Strip material for use in making center spot crowns embodying therein a strip of non-absorbent, gas impervious, inert material having throughout one side thereof a thin surface coating of a homogeneous admixture of latex from which the vehicle has been evaporated to form a non-tacky, flexible and absorbent body or carrier, and dry casein dispersed throughout and bonding said latex to said strip material, said latex and said casein being in a ratio of substantially three to one.

2,118,596
**TIRE COVER**
Arthur P. Ferguson, Detroit, Mich., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application December 24, 1935, Serial No. 56,062
3 Claims. (Cl. 296—37)



1. In a wheel assembly, a wheel having an inner attaching part, a support, means for fastening said part to said support, a shield having an outer rearwardly extending part adapted to fit about said fastening means to prevent access thereto, locking means cooperating with substantially central portions of said support and shield, a vehicle body having a well shaped to receive the inner side of the wheel and in which said support is disposed, cover means extending outwardly from said shield, and anti-rattling means engaged between said body and said cover means, said cover means being forced by said locking means to compress said anti-rattling means.

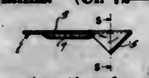
2,118,597
**FIRE EXTINGUISHER**
George Ennis Ferguson, Spring Valley, N. Y., assignor to Pyrene Manufacturing Company, Newark, N. J., a corporation of Delaware
Application January 9, 1936, Serial No. 58,298
10 Claims. (Cl. 169—31)



1. For use in a fire extinguisher employing a liquid fire-extinguishing medium, a sealed cartridge containing a pressure medium to be released, protective means associated with the exit end of the cartridge to be punctured for excluding liquid fire-extinguishing medium from the exit end of the cartridge and for thus obviating the formation there of ice under the chilling action of pressure medium pursuant to the puncturing operation, said protective means including a tube-like baffle connected at one end to and forming with the exit end of the cartridge a chamber adapted to communicate with the cartridge when such cartridge is punctured, said baffle being provided with an aperture remotely located with respect to the exit end of said cartridge and adapted to serve as a communicating passage between the interior and exterior of said chamber.

10. For use in a fire extinguisher, a sealed cartridge containing a pressure medium which at relatively low temperatures with respect to the critical temperature thereof is at least in part in liquid phase, and a metering tube extending into said cartridge to such an extent that its inlet end is below the level of the liquid at such relatively low temperatures, whereby upon puncturing the cartridge at such temperatures a portion of the liquid is released in liquid phase and thereafter the remainder of the pressure is released in the form of a gas.

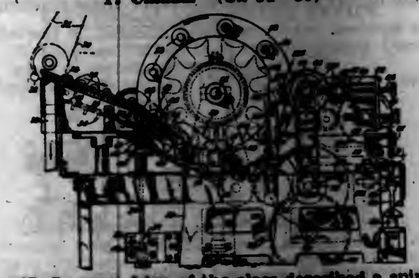
2,118,598
**CORNER CONSTRUCTION**
Herman Finke, St. Louis, Mo.
Application February 14, 1933, Serial No. 190,364
6 Claims. (Cl. 72—121)



1. A corner construction for walls, floors, and ceilings formed of material which hardens after its application in plastic form, comprising a pair of wholly independent elements arranged at an angle with respect to each other and provided with portions which extend longitudinally of a corner of an angular structure with which the elements are associated in substantial parallelism relative to each other, said elements being secured to the angular structure of which the corner forms a part at opposite sides of said corner so that said portions of said elements will move toward and from each other upon relative movement of the portions of the angular structure at opposite sides of the corner.

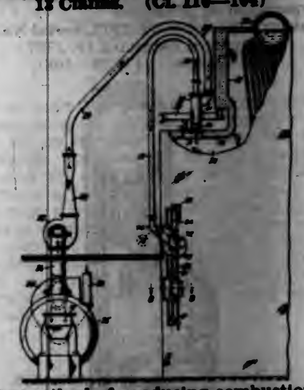


2,118,599
**TUBE COATING MACHINE**
John H. Fridén, Maplewood, N. J., assignor to The Sun Tube Corporation, Hillside, N. J., a corporation of New Jersey
Application April 10, 1936, Serial No. 73,682
17 Claims. (Cl. 91—50)



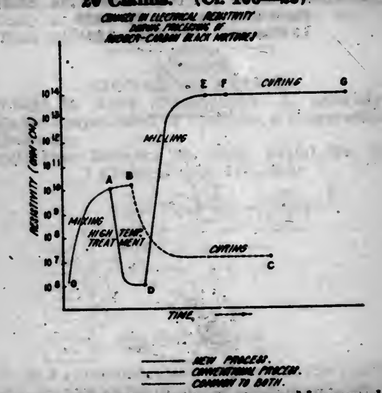
17. In a machine of the class described a spindle for supporting an article to be coated, coating means, continuously operating means for shifting said spindle toward and away from said coating means, continuously operating means for operating said coating means to apply a coating to an article brought toward said coating means, and means controlled at least in part by the article on said spindle constructed and arranged to render said coating means ineffective only when said spindle reaches a position closely adjacent said coating means without an article thereon.

2,118,600
**METHOD AND APPARATUS FOR COMBUSTION**
Martin Frisch, Cranford, N. J., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application January 21, 1935, Serial No. 2,622
13 Claims. (Cl. 110—104)



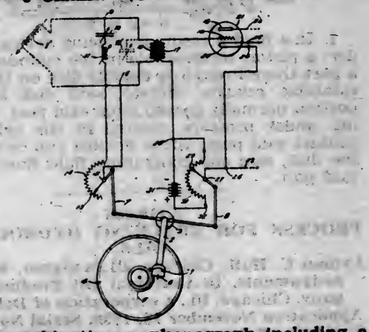
1. The method of producing combustion of low volatile fuels which comprises entraining the fuel in a stream of air, separating part of the air from said stream thereby enriching the remaining fuel and air mixture, delivering the enriched mixture to a furnace for combustion in an ignition zone and delivering the separated air to the furnace outside said ignition zone to support combustion of the enriched mixture.

2,118,601
**MANUFACTURE OF RUBBER**
Roscoe H. Gerke, Nutley, George H. Gannhorn, West Englewood, and Louis H. Howland, Nutley, N. J., and Hugh M. Smallwood, New York, N. Y., assignors to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application September 14, 1935, Serial No. 40,534
20 Claims. (Cl. 106—23)




1. A method of manufacturing rubber products having unusually high resistance to abrasion when vulcanized which comprises incorporating into rubber a relatively large amount of a rubber reinforcing black and mixing to a substantially homogeneous condition, subsequently severely flocculating the black in the rubber mass and masticating the mixture to bring about substantially complete particulate dispersion of the black throughout the mass without serious degradation of the rubber, completing the incorporation of vulcanizing and other desired ingredients, shaping the mass as desired and vulcanizing the rubber.

2,118,602
**PHONOGRAPH WITH AUTOMATICALLY COMPENSATED TONE AND VOLUME CONTROL**
Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 29, 1934, Serial No. 759,641
6 Claims. (Cl. 179—100.4)



1. In combination, a phonograph including a driving motor, an amplifier, and means operable independently of the operation of said motor for varying the amplification produced

by said amplifier in accordance with the position of the tone arm of the phonograph.

2,118,603

**PARACHUTE EQUIPPED AIRCRAFT**

Sam William Hailey, Baltimore, Md., assignor of ten percent to Charles E. Watts, ten percent to William H. Watts, and twenty percent to William B. Mason, all of Baltimore, Md.

Application August 13, 1936, Serial No. 95,911
Renewed January 22, 1938
11 Claims. (Cl. 244—139)



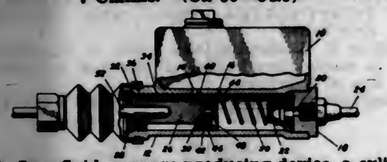
1. In a parachute mechanism of the class described, a casing, a spring frame within the casing, a parachute member disposed over said frame, and releasable means to normally maintain said spring frame retracted within said casing, said spring frame comprising a plurality of upstanding, nested-spring elements connected together and having their longitudinal axes arranged at an angle to each other for the purpose specified.

2,118,604

**FLUID PRESSURE PRODUCING DEVICE**

Joseph R. Heidloff, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application February 20, 1936, Serial No. 64,855
7 Claims. (Cl. 60—54.6)



1. In a fluid pressure producing device, a cylinder, a piston reciprocable in the cylinder having a port therethrough, a flexible disk on the piston rotatable relative thereto, said disk having a portion normally spaced from said port, but flexing under pressure created in the cylinder to contact said port, and a flexible cup centered on the disk, said cup controlling fluid flow through said port.

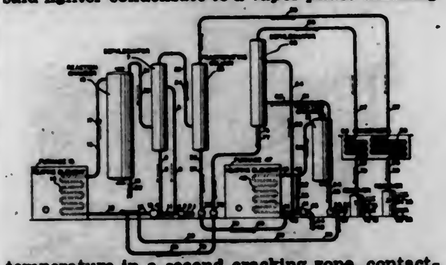
2,118,605

**PROCESS FOR CRACKING HYDROCARBON OILS**

Lyman C. Huff, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application November 13, 1930, Serial No. 495,394
Renewed November 2, 1934
1 Claim. (Cl. 196—48)

The process of treating hydrocarbon oils that comprises subjecting hydrocarbon oil in a first cracking zone to a substantially liquid phase cracking temperature to effect conversion of the high boiling hydrocarbon oils into lower boiling hydrocarbon oils, vaporizing the lower boiling hydrocarbons of the cracked products, withdrawing the unvaporized oil from the system, fractionating the evolved vapors in a first fractionating zone to form a gasoline-like vapor fraction, a lighter reflux condensate and a heavier reflux condensate, returning the heavier condensate to said liquid phase cracking operation, subjecting said lighter condensate to a vapor phase cracking



temperature in a second cracking zone, contacting relatively heavy fresh charging stock with the resulting vapors from the vapor phase cracking operation to thereby vaporise a portion of the fresh charging stock, withdrawing the unvaporized portion of the charging stock from the system, dephlegmating the combined vapors from the vapor phase cracking operation and the vapors from the fresh charging stock in a second fractionating zone to produce a vapor fraction suitable for the production of gasoline and a reflux condensate suitable as a clean cracking stock and charging said clean cracking stock to the liquid phase cracking operation.

2,118,606

**TIRE COVER LOCK**

Herbert S. Jandus and Bladen M. Short, Detroit, Mich., assignors, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application September 28, 1933, Serial No. 691,294
Renewed February 19, 1937
10 Claims. (Cl. 70—163)



1. A lock comprising, a substantially cup-shaped member having its outer wall of a diameter such as to readily slide into an opening for locking engagement with the walls thereof, lock mechanism associated with the base of said member, lock means universally carried by said mechanism so as to be moved substantially radially into and out of interlocked relation and to shift in the general direction of the axis of said member to enable the locking means to assume different locking positions transversely of said member, said outer wall of said member being provided with slot means through which the lock means projects when in locked position, guide means slidable in said slot means and operatively associated with said lock means so as to guide the latter in its trans-radial movement.



2,118,607

**ELECTRICAL CONNECTER DEVICE**

Herbert M. Johnson, Needham, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application September 15, 1936, Serial No. 100,840
7 Claims. (Cl. 247—2)



1. An electrical connecter device comprising a housing, a separable instrument support mounted upon the housing, an electrical contact element carried by the support, an electric terminal carried by the housing, means for insuring electrical contact between the contact element and the terminal comprising a bracket secured to the terminal and having a portion thereof extending adjacent to the contact element, and a cam mounted upon the bracket operable to force said portion thereof into engagement with the contact element.

2,118,608

**ELECTROMAGNETIC TRANSLATING DEVICE**

James M. Kendall, Tulsa, Okla., assignor to Radio Corporation of America, a corporation of Delaware

Application February 8, 1935, Serial No. 5,522
2 Claims. (Cl. 179—100.41)



1. In an electrical pickup, a frame member, a permanent magnet, pole pieces therefor carried by said frame member and having an air gap therebetween, an armature having a shaft positioned with its axis parallel with said air gap, said armature having a portion extending into said air gap, a translating coil for said armature and means comprising a strip of spring material having one end fixed to one end of said shaft and its other end adjustably secured to said frame member, said strip extending approximately at right angles to said axis for centering said portion in said air gap.

2,118,609

**BLOW BALL**

Johanna Klug, New York, N. Y.

Application March 3, 1937, Serial No. 128,701
7 Claims. (Cl. 46—44)

1. A blow ball device, comprising a cup-shaped body having an axial air passage area at its center and a plurality of inwardly and upwardly inclining air passage areas around its periphery and in converging relationship with each other so that the issuing air roughly forms an imaginary cone, a light ball or object resting on said body, and means for connecting said air passage



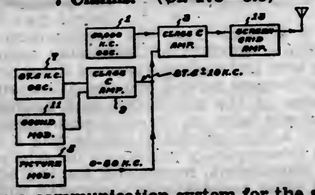
areas to facilitate supplying air to them simultaneously so that issuing air will cause said ball to float within said imaginary cone.

2,118,610

**SIGNALING SYSTEM**

Winfield R. Koch, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 29, 1935, Serial No. 3,919
7 Claims. (Cl. 178—5.6)



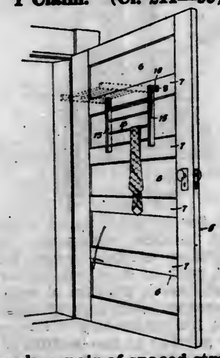
7. In a communication system for the simultaneous transmission and reception of picture and sound signals, a transmitting station comprising means for transmitting a carrier wave which is modulated by said picture signal and also by a sub-carrier wave which is modulated by said sound signal, said sub-carrier wave having a frequency higher than the highest frequency in said picture signals, a receiver comprising a first detector and a local tunable oscillator for converting said carrier wave to an intermediate frequency signal which includes said sub-carrier wave as upper and lower side-band components, a sound channel including a detector and means for beating said components in said detector to produce a carried equal to the frequency difference of said components which is modulated by said sound signals, and means for demodulating said last carrier.

2,118,611

**NECKTIE RACK**

Alfred Köhler, Brooklyn, N. Y.

Application February 15, 1937, Serial No. 125,774
1 Claim. (Cl. 211—99)



In a tie rack, a pair of spaced straight flat bars having large diametered tie supporting rungs secured therebetween, a pair of wall-attached

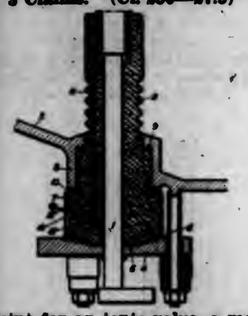
spring brackets each having a fixed flange, at least one of said brackets having a depression in its inner face, pivot screws carried by said brackets and engaging said bars, and a friction washer on the screw carried by the bracket having said depression, said washer being engageable in the bracket depression.

2,118,612
**SMOKING PIPE**
Walter Kreutz, St. Louis, Mo.
Application May 14, 1936, Serial No. 79,661
3 Claims. (Cl. 131—12)



1. In a tobacco pipe, the combination of a mouthpiece adapted to be detachably connected to a pipe bowl and having a passage therethrough, a tubular element having one end extending into the passage of the mouthpiece and provided at its other end with an integral semi-cylindrical extension, and a cylindrical cap having a closed end and telescopically positioned on said extension for longitudinal movement, the end edge of said cap being cooperatively associated with the edge portion of the tubular element adjacent the point of joinder of the extension to thereby form a variable orifice for controlling the volume of smoke that can be drawn through the mouthpiece, said tubular element and extension when the cap is removed forming no obstruction to the free passage of a cleaning element in an axial direction through the stem and tubular element.

2,118,613
**VACUUM-TIGHT JOINT FOR ELECTRODE LEAD-INS**
Uno Lamm, Ludvika, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application February 20, 1936, Serial No. 64,893
In Sweden February 27, 1935
3 Claims. (Cl. 250—27.5)



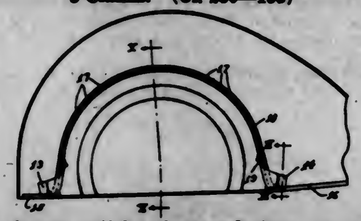
1. In a joint for an ionic valve, a metal vessel, a bolt-shaped anode conductor penetrating through the bottom of said vessel, an insulator surrounding a part of said conductor, a flange integral with the lower portion of said conductor and forming together therewith an upwardly open annular groove for embracing a correspondingly shaped convex portion at the bottom of said insulator, a packing between said insulator and said flange, and a sealing liquid filling the free space of said annular groove outside said packing.

2,118,614
**NECKTIE ADJUSTING DEVICE FOR COLLARS**
Ernest Langemack, Milwaukee, Wis.
Application February 24, 1936, Serial No. 65,282
3 Claims. (Cl. 223—111)



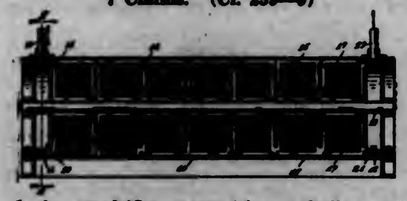
1. A collar device for temporary attachment to a collar to facilitate the insertion of a tie between the folds of a collar and the subsequent adjustment of the tie, consisting of a sheet metal plate member of triangular contour having its reduced body portion insertable between the folds of a collar, the inner face of said portion of the plate member having a plane surface, and a tongue yieldingly outwardly projecting and formed from a medial portion of the plate member for clampingly engaging a portion of a collar fold, the lower wide portion of the plate member being substantially outwardly curved in the direction of projection of the tongue for tie guiding purposes.

2,118,615
**ORNAMENTAL FENDER SKIRT**
George Albert Lyon, Allenhurst, N. J., assignor to Lyon Incorporated, Detroit, Mich., a corporation of Delaware
Application October 7, 1936, Serial No. 104,376
5 Claims. (Cl. 280—153)



1. As an article of manufacture, an ornamental fender skirt having a pair of similarly shaped sheet metal hook-shaped trunnion members secured thereto at the lower corners thereof, said members being adapted to engage a vehicle fender to support said skirt, and means on said skirt remote from said members adapted to retain said skirt in desired position on said fender.

2,118,616
**EMULSIFIER**
Kenneth E. McConnaughay, Otterbein, Ind.
Application September 2, 1936, Serial No. 99,654
7 Claims. (Cl. 259—9)



1. An emulsifier, comprising a hollow cylindrical shell having an inlet opening at one end and a discharge opening at the other end, a rotor co-axial with said shell, said rotor having a plurality of axially spaced disks approximately of the same diameter as the interior of the shell, and one or more radial plates extending between each pair of adjacent disks, said plates being provided with axially extending slots and said disks with liquid-passing openings.

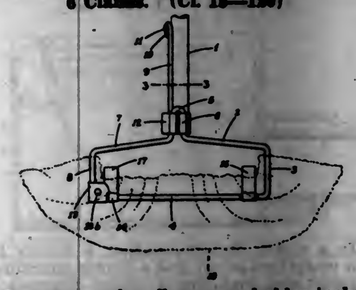


2,118,617
**SKATE SHARPENER**
Constant E. Nicolet, Milwaukee, Wis.
Application April 3, 1937, Serial No. 135,614
5 Claims. (Cl. 51—205)



4. A sharpening device of the character described comprising an abrasive element, and a pair of inter-connected substantially U-shaped members, each having a middle bar portion and outwardly directed end portions, said abrasive element being carried by the end portions of one of said members and held thereby between the bar portions of the two members, the bar portion of one of said members being slotted longitudinally to accommodate a blade to be sharpened by the abrasive element, the latter being loosely mounted in its holding member and held from endwise displacement with respect to both members by the end portions of one of the same.

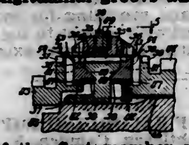
2,118,618
**WRINGER MOP**
James Henry Nicholson, San Francisco, Calif.
Application November 23, 1936, Serial No. 112,251
6 Claims. (Cl. 15—120)



1. In a mop, a handle, a mop holder including a substantially horizontal rod, a fixed supporting arm extending from one end of the rod to rigid connection with the handle, an upstanding prong fixed on the rod adjacent said one end, another supporting arm ordinarily extending from adjacent the other end of the rod to releasable connection with the handle, another ordinarily upstanding prong rotatably mounted on the rod adjacent said other end, and means connecting the other prong and the adjacent end of the other arm to permit said other arm, when released from the handle, to be rotated about the rod as an axis and thereby rotating said other prong.

2,118,619
**TRANSMISSION SYNCHRONIZER**
Palmer Orr, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 30, 1936, Serial No. 93,457
3 Claims. (Cl. 192—53)

1. In a transmission synchronizing mechanism, separable torque-transmitting parts adapted to be drivably coupled together, a synchronizing member having a rotary lost motion relation with one of said parts, and a synchronizing member substantially fixed to the other part, a coupling device slidably splined to one of said parts and having a longitudinal groove adapted to receive



a portion of the first member as said device is moved into coupled relation to the other part, and a retractor clip extending in said groove and embracing said first part and said first member for retracting said first member out of engagement with the second member upon retraction of said device.

2,118,620
**ADJUSTABLE TABLE**
Alfred Orsenigo, Mount Vernon, N. Y.
Application October 16, 1936, Serial No. 105,867
6 Claims. (Cl. 311—41)



1. An improved adjustable top table comprising, supporting legs, a rigid inextensible rectilinear framework mounted thereon, secondary frames slidably mounted in the rectangular framework and slidable toward and from each other, table leaf members independently pivotally mounted on the secondary frames, and said secondary frames slidably movable a sufficient distance toward the outer ends of the rectangular framework to permit the table leaves to be rotated on their pivot and to extend transversely of the length of the rectangular framework.

2,118,621
**TRACK GRINDER**
Henry J. Perazzoli, Philadelphia, Pa.
Application February 15, 1935, Serial No. 6,662
17 Claims. (Cl. 51—178)



9. A railway track grinding machine having supporting means adapted to engage a rail of the trackway and including a grinding wheel mounted

in position to present a side face thereof to a side face of a rail, means mounting the wheel on the supporting means and providing for movement of the grinding wheel with respect to the supporting means generally transverse the axis of the rail toward and away from the face to be ground, and means providing for movement of the grinding wheel with respect to the supporting means about a generally upright axis.

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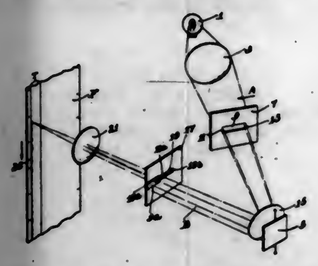
2,118,622

**METHOD OF RECORDING IMPULSES**

Lawrence T. Sachtleben, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 31, 1935, Serial No. 4,337

3 Claims. (Cl. 179—100.3)



1. The method of forming upon a photographic strip a variable area record of two sets of impulses by means including an apertured light stop and a light slit which cooperate to determine the size of the recording light beam, said light stop aperture having a pair of defined edges, which comprises first recording a complete set of one of said sets of impulses along one longitudinal portion of said strip while employing one of said defined edges to determine an edge of said recording beam, and then recording a complete set of the other of said sets of impulses along another longitudinal portion of said strip while employing the other of said defined edges to determine an edge of said recording beam.

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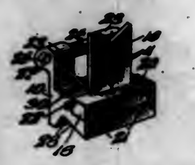
2,118,623

**THREAD CLEANER BRACKET**

Harry Sarfert, Philadelphia, and Arthur A. Arnold, Pottstown, Pa.

Application May 11, 1937, Serial No. 142,066

1 Claim. (Cl. 28—68)



A device of the character described comprising a thread cleaner bracket including a base adapted to seat on a traverse bar, said base being recessed at one side, a notched bar seated in said recess and forming with the base a groove in the top thereof, upstanding cleaner plates seated in said groove and extending above the base, means for locking the plates in the groove, integral arms extending upwardly from the base from the side opposite the bar, and a guide rest supported by said arms and extending therebetween over which a thread is guided to said plates.

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2,118,624

**FENDER SHIELD CONSTRUCTION**

George W. Schatzman, Detroit, Mich., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application January 18, 1937, Serial No. 121,115

13 Claims. (Cl. 280—153)



12. As an article of manufacture, an ornamental fender shield having a collapsible and expansible fender engaging edge, and means for contracting and expanding said edge at will, said edge being collapsible and expansible relative to said shield independent of said fender.

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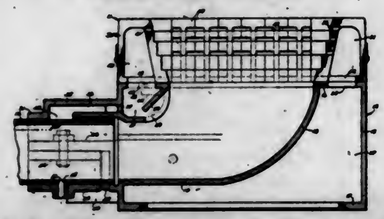
2,118,625

**FUEL STOKER**

Clark Scholl, Springfield, Ohio, assignor, by mesne assignments, to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio

Application October 8, 1934, Serial No. 747,327

12 Claims. (Cl. 110—45)



3. In a stoker, in combination, a burner having an underfeed retort and a tuyère structure on said retort and including a tuyère chamber and an auxiliary tuyère chamber, a fuel duct discharging into the bottom of said retort, means for supplying air under pressure to said duct, and means providing an air passage connecting the interior of said retort to said auxiliary tuyère chamber and utilizing the pressure of the air supplied to said duct for returning gases from said duct and from the lower portion of the retort through the tuyère structure to the upper portion of the retort.

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2,118,626

**METHOD AND APPARATUS FOR DELAYING ELECTRICAL IMPULSES**

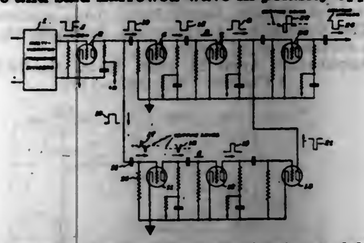
John P. Smith, Erlton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 28, 1936, Serial No. 61,133

6 Claims. (Cl. 178—44)

1. Apparatus for delaying an electrical wave, said apparatus comprising means for removing the last occurring portion of said wave to produce a narrowed wave, and means for adding said first wave and said narrowed wave in polarity opposition whereby a composite wave having a delayed wave portion is produced.





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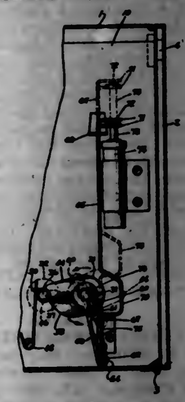
2,118,627

**PAPER TOWEL DISPENSING APPARATUS**

Frank G. Steiner, Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah

Application April 26, 1935, Serial No. 18,397

3 Claims. (Cl. 312—53)



3. A mechanism for dispensing paper including a measuring roll, and a pinch roll therefor, journaled to be moved away from the measuring roll to release the paper for withdrawal, means yieldably holding the pinch roll against the measuring roll, a stop mechanism controlled by and controlling the measuring roll including a stop arm on the measuring roll, and means also on the measuring roll for moving the pinch roll away from the measuring roll and for releasably holding the same, including arms which engage the journaling elements of said pinch roll, said arms being so angularly related to the stop arm as to cause the pinch roll to be moved away from the measuring roll as the stop arm approaches stop position and to be so held while the stop arm remains at stop position.

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2,118,628

**GRAVITY IMPACT ROLLER MILL**

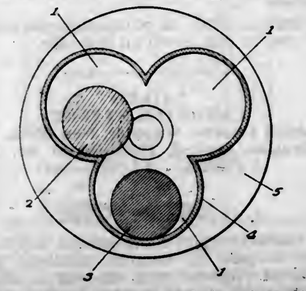
Hans Jürgen Magnus von Gernet, Pretoria, Union of South Africa

Application August 24, 1935, Serial No. 37,642

In Union of South Africa March 6, 1935

3 Claims. (Cl. 83—9)

3. In an apparatus of the class described, a housing the walls of which are so formed that they define a plurality of symmetrically arranged pestle chambers, each chamber substantially cylindrical in outline, and a plurality of generally cylindrical pestles of substantially equal diameters, each of such size that only one pestle may be completely housed within one pestle chamber at any time, there being a lesser number of pestles than of pestle chambers, the terminal edges of the walls of adjacent chambers meeting to form a series of cusps, the distance between



centers of adjacent cusps being less than the diameter of a chamber, the diameter of a pestle being greater than the radius of a chamber but less than the depth of that chamber, whereby the uppermost one of a series of ascending pestles shall roll around the wall of its enclosing chamber and then out of that chamber to impact and roll over the pestles in the adjacent ascending chambers and thereafter fall into the next following open chamber.

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2,118,629

**ELECTRIC CABLE**

Richard C. Waldron, Clifton, N. J., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey

Application January 10, 1936, Serial No. 58,475

6 Claims. (Cl. 173—266)



1. An extensible electric cable comprising in combination a core of extensible, substantially incompressible material, a conductor helically applied about and in contact with said core with such a lay that initial elongation of the cable will tend to bring the core out of contact with the conductor so that maximum extension of the cable is permitted without permanent distortion of the conductor, attempted further elongation causing the conductor to re-engage the surface of said core and to become permanently distorted.

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2,118,630

**ELECTRIC CABLE**

Richard C. Waldron, Clifton, N. J., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey

Application January 15, 1936, Serial No. 59,264

4 Claims. (Cl. 173—266)

1. An electric cable comprising in combination a core of extensible, substantially incompressible material, and a conductor helically applied about and in contact with said core with such a lay that

initially were the cable compressed longitudinally the core would increase in diameter faster than



the conductor, while on elongation the conductor would tend to pull down on the core.

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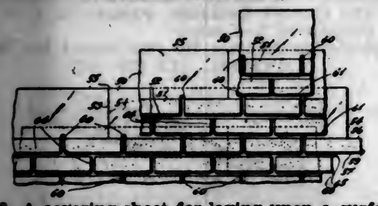
**2,118,631**
**CATHETER STYLET**
**Frederick Charles Wappler, New York, N. Y.**
**Application April 3, 1935, Serial No. 14,395**
**2 Claims. (Cl. 128—349)**



1. A catheter stylet comprising a rigid, tubular portion, a pair of flexible, resilient portions mounted at opposite ends thereof in alignment therewith, each of said flexible portions comprising a helically wound strip of spring metal, a rounded tip plugging the free end of each helix, and a flexible, resilient, stiffening wire extending longitudinally through said rigid and flexible portions and having its ends secured to said tips.

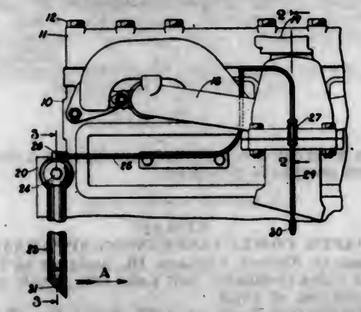
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**2,118,632**
**BUILDING MATERIAL**
**Jules L. Wettlaufer, Belmont, Mass., assignor to The Patent and Licensing Corporation, Boston, Mass., a corporation of Massachusetts**
**Application July 8, 1931, Serial No. 549,432**
**13 Claims. (Cl. 20—5)**



13. A covering sheet for laying upon a surface in overlapping arrangement with similar covering sheets, having demarked on the portion thereof to be exposed a simulation of a plurality of courses of masonry units laid with joints therebetween, the transverse joints of the masonry being simulated by cutouts in the sheet exposing therethrough the surface of an overlapped portion, which overlapped surface has its extent in a direction transverse to the courses greater than the extent in said direction of the portion simulating the plurality of courses with the joints therebetween and including a longitudinal joint above the topmost course simulated on said sheet, whereby a multiple ply covering with a headlap may be laid upon the surface when the edge to be exposed of an overlapping sheet is laid a distance above said topmost simulated course a distance equal to the width of a longitudinal joint, the ends of said sheet having a form coinciding in the exposed portion of said sheet with the simulated masonry joints upon the sheet, and the end edges of the overlapped portion thereof being not in line with the lines of said simulated joints in the exposed portion.

**2,118,633**
**INTERNAL COMBUSTION ENGINE**
**Harold S. White, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware**
**Application April 28, 1936, Serial No. 76,770**
**5 Claims. (Cl. 123—119)**



1. In combination with an internal combustion engine having a cylinder, a piston therein, a fuel mixture intake port communicating with said cylinder and a crank case adapted to contain a lubricant, of a breather tube having its upper end secured to the side of said crank case providing an outlet passageway from the latter and having a rearwardly exposed opening at its lower end and shaped to cause a partial vacuum at the end of the tube when the engine is running at a relatively high speed to draw fumes from said crank case, and a tube connected at one end with the upper end of said breather tube and at its opposite end with said intake port whereby the fumes from the lubricant in said crank case are drawn into said intake port and cylinder upon the suction stroke of said piston.

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**2,118,634**
**BOOK MATCHES ADVERTISING MEDIUM**
**Viller P. Williams, Baltimore, Md.**
**Application May 6, 1936, Serial No. 78,288**
**2 Claims. (Cl. 206—29)**



1. A match book comprising a strip of matches, a back to which the strip is attached and a flap hingedly connected thereto to cover said matches, an integral short flap covering the base portion of the matches and stapled thereto, the shank of the matches being adapted to be severed from the base portion, a relatively rigid shield contacting the exposed face of the match strip and clamped between the base of the match strip and the short flap, said shield being of substantial area and so proportioned as to leave exposed matches on each side of the shield and leave exposed all match heads, whereby in detaching matches the open match book may be grasped between the thumb and finger in the central area of the shield to promote severance of the matches on either side of the shield.



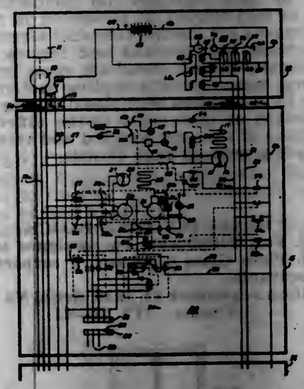
**2,118,635**
**COMBINATION LOCK AND CHAIN**
**Samuel Zingman, Brooklyn, N. Y.**
**Application November 30, 1937, Serial No. 175,647**
**19 Claims. (Cl. 70—93)**



1. A combination chain lock comprising a body, a keeper, a bolt mounted in said body, and key controlled means engaging said bolt with said keeper, a chain fixedly mounted at one end relative to said keeper, an auxiliary bolt mounted on said body for engaging and holding the other end of said chain, means for moving said auxiliary bolt, and combination means for locking said auxiliary bolt, said chain being engageable into a tubular member having a pivoted bottom cover, a complementary tubular member mounted upon said body and in the closed position of the door disposed beneath said tubular member, and an element for opening the closed cover of the top tubular member to drop the chain through the bottom tubular member when the door is closed.

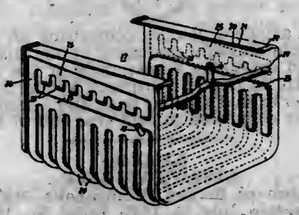
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**2,118,636**
**REFRIGERATING APPARATUS**
**Donald F. Alexander and George C. Pearce, Dayton, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware**
**Application March 21, 1936, Serial No. 71,868**
**10 Claims. (Cl. 62—6)**



1. An air conditioning system including a plurality of condensing units, a plurality of air condition stats affected by refrigeration produced by said condensing units, a program control device including a plurality of sequentially closing contacts corresponding to each of said condensing units and controlling said units, a single wire extending from each of said stats to said program control device and control circuit wiring completing a sequential starting control between said stats, device and condensing units.

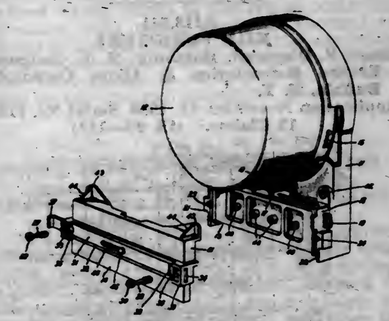
**2,118,637**
**EVAPORATOR FOR REFRIGERATING MACHINES**
**Leonard W. Atchison, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York**
**Application March 5, 1936, Serial No. 67,269**
**4 Claims. (Cl. 62—126)**



1. A flooded evaporator for refrigerating machines including sheets of metal secured together and having a header formed therebetween for separating liquid and gaseous refrigerant, a refrigerant circulating conduit formed between said sheets and communicating with said header, means for admitting liquid refrigerant and lubricant to said conduit, means including a suction line for withdrawing gaseous refrigerant from said evaporator, and means including a passage formed between said sheets above said header for providing communication between said header and said suction line, said last-mentioned means including a plurality of pockets communicating with said passage for facilitating the separation of liquid refrigerant and lubricant to prevent the withdrawal of slugs of liquid refrigerant through said suction line.

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**2,118,638**
**SEALING DEVICE FOR METERS**
**Hans A. Bakke, Swampscott, Mass., assignor to General Electric Company, a corporation of New York**
**Application July 29, 1936, Serial No. 93,218**
**7 Claims. (Cl. 171—34)**



7. In combination, a chamber-sealing cover having a longitudinal groove therein with screw holes in said groove adapted to receive screws for fastening said cover, and a sealing bar with means for sealing it in a sealed position on said cover covering said screw holes, said sealing bar being supported in said groove, being adapted to fill the groove and being slidable from said sealed position for uncovering said screw holes.

**2,118,639**
**COMBINATION CLIP AND BROOCH**
Armand Bayardi, New York, N. Y.
Application March 10, 1937, Serial No. 129,964
3 Claims. (Cl. 63—20)



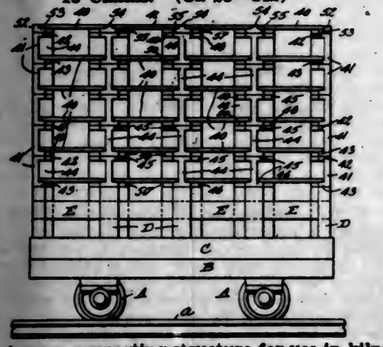
1. An article of jewelry comprising an annular part, a pin hingedly connected at one end to said part and extending transversely of the annular part with its free end disposed within the inner perimeter of said annular part, and a second part separably connected to said free end of the pin.

**2,118,640**
**CHILD'S VEHICLE**
Bernhard Bergen, Minneapolis, Minn.
Application July 24, 1937, Serial No. 155,512
3 Claims. (Cl. 280—221)



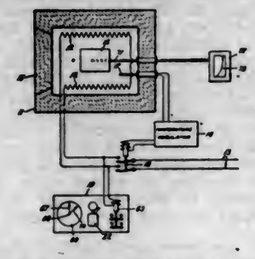
1. A child's vehicle comprising a wheeled frame, a pair of treadles, levers intermediately pivoted to the frame and to the front ends of which said treadles are attached, spiral springs to which the rear ends of said levers are attached, collars to which the inner ends of said springs are attached, pawls carried by said collars, rotatively mounted rings having internal ratchet teeth engaged by said pawls, and means securing said rings to the hubs of the rear wheels of the vehicle whereby alternate depression of said treadles imparts driving movement to said wheels.

**2,118,641**
**KILN FURNITURE**
Grant S. Diamond, Hamburg, N. Y., assignor to Electro Refractories & Alloys Corporation, Buffalo, N. Y.
Application November 13, 1936, Serial No. 110,714
13 Claims. (Cl. 25—142)



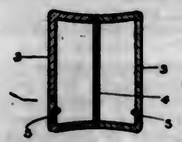
1. A ware supporting structure for use in kilns, including a plurality of shelves of refractory material, posts arranged one on another to form a series of columns, each post having a laterally projecting flange portion upon which an edge portion of a shelf rests, and caps at the upper ends of said columns, each cap comprising a horizontal portion resting upon the upper post of a column, shelves resting upon the upper faces of said horizontal portions of said caps, and a vertically and upwardly extending web on said cap for correctly spacing a shelf with relation to said column.

**2,118,642**
**FURNACE TEMPERATURE INDICATOR**
Edward J. Flynn and Jose T. Mireles Malpica, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application December 21, 1935, Serial No. 55,859
9 Claims. (Cl. 236—15)



6. In combination, a furnace, a source of heat for said furnace, a temperature regulator for turning said heat source on or off when the temperature of said furnace tends to fall below or rise above a given temperature range, timing and alarm means with forward, reverse, reset, and alarm circuits, a source of current, means controlled by said regulator for connecting said source to said circuits in succession in repeated cycles, means for interrupting said alarm circuit except when said forward and reverse circuits have previously been closed for equal lengths of time, and means for interrupting said reset circuit, as soon as it has been closed during a cycle, for a length of time equal to the difference in the lengths of time the forward and reverse circuits have previously been closed.

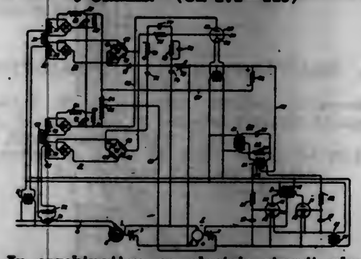
**2,118,643**
**GLASS BUILDING BLOCK**
John H. Fox, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application September 12, 1936, Serial No. 100,475
3 Claims. (Cl. 72—41)



1. A glass block comprising a pair of opposing similar rectangular cup sections opening toward each other, and a sheet of wire glass between the opposing edges of the sections, all secured rigidly together at said edges in sealing relation.



**2,118,644**
**ELECTRIC CONTROL CIRCUIT**
George W. Garman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application October 30, 1937, Serial No. 171,967
6 Claims. (Cl. 171—119)



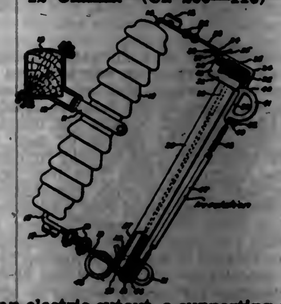
1. In combination, an electric circuit, electro-responsive means, a plurality of electric circuits each responsive to a different electrical quantity of said circuit and each comprising a bridge circuit for producing a voltage which varies in accordance with the respective electrical quantity, and unidirectional means connected between the bridge circuits and the electro-responsive means to effect selective energization of said electro-responsive means from the bridge circuit producing the predominating voltage.

**2,118,645**
**ELECTRIC CUT-OUT**
Edgar A. Harty, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application November 17, 1937, Serial No. 174,920
5 Claims. (Cl. 200—118)



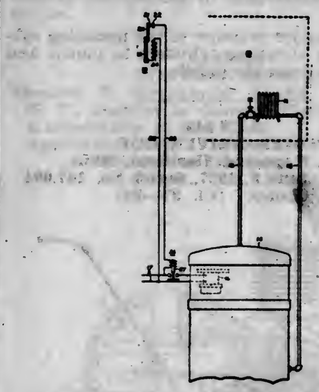
5. A cut-out for electric circuits comprising an oxidized copper disc, said copper having alloyed therewith silver of a quantity ranging from a mere trace up to 8 ounces per ton.

**2,118,646**
**ELECTRIC CIRCUIT INTERRUPTING DEVICE**
Benjamin E. Hermann, Lanesborough, Mass., assignor to General Electric Company, a corporation of New York
Application December 19, 1936, Serial No. 116,717
12 Claims. (Cl. 200—116)



1. In an electric cutout, a supporting structure, spaced contact means and a resilient detent device carried by said structure, a fuse holder, means supporting said holder on said structure for swinging about a pivot point fixed relative to the holder, means carried by the holder for engagement by said detent device to restrain the holder in a position for connection of a fuse link therein between said contacts, a fuse link in the holder having a portion extending out of one end of the holder, means interconnected with said outwardly extending fuse link portion externally of the holder for normally tensioning the fuse link, and means cooperative with said last mentioned means upon rupture of said fuse link for effecting release of the holder from said detent device without bodily movement of the holder relative to its said pivot point.

**2,118,647**
**TEMPERATURE REGULATING SYSTEM**
Frederick W. Hottenroth, Jr., Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application June 30, 1936, Serial No. 88,160
5 Claims. (Cl. 236—68)

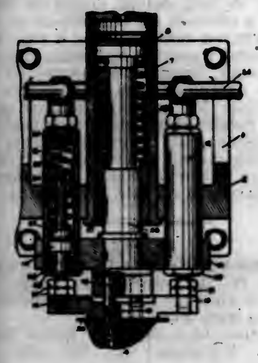


1. In combination, a source of heat exchange medium, means for transferring said medium to a desired region, means in said region controlling said source, said means including thermal responsive means consisting of two bimetallic strips of different electrical resistances and an electrical heater influencing one of said strips and controlled by said thermal responsive means.

**2,118,648**
**SHEET METAL PUNCHING APPARATUS**
Frederick H. Johnson, Detroit, Mich.
Application April 30, 1937, Serial No. 140,026
2 Claims. (Cl. 164—95)

1. In a punching device, a punching cylinder, a punching piston located in the punching cylinder and having a piston rod extending through one end of the punching cylinder, a spring for spring pressing the punching piston towards the other end of the punching cylinder, a member and a punch holder connected to the outer end of the piston rod, a pair of stripping cylinders carried on the member, stripping pistons located in the stripping cylinders, each of the stripping pistons having a piston rod extending through one end of its associated stripping cylinder, springs for spring pressing the stripping pistons toward the said ends of the stripping cylinders, a work engaging member connected to the ends of the

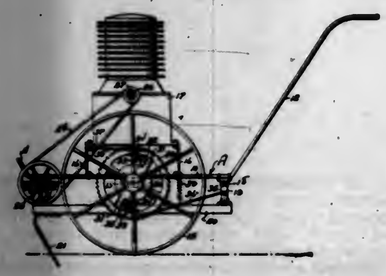
piston rods of the stripping pistons, a punch connected to the punch holder, a die coacting with the punch to punch the work and means for di-



recting fluid under pressure to the punching cylinder and the stripping cylinders to punch and strip the work from the punch.

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2,118,649
**POWER-DRIVEN HOE**
Juel E. Kopperud, Hartland, Minn.
Application June 8, 1937, Serial No. 147,694
4 Claims. (Cl. 97—36)

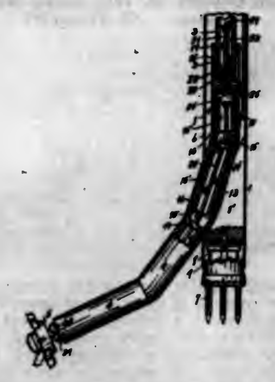


1. An implement of the character described comprising a frame, a hoe bar pivotally hung from said frame for reciprocatory and oscillatory movements, means on the frame and connected with the bar to effect movements thereof, a power unit on said frame and driving the last-named means, a hoe blade carried by said bar forwardly of the point of traction and of a width substantially the width between such traction, and means for locking against backward traction.

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2,118,650
**WELL DRILLING MECHANISM**
Robert E. Lee, Coleman, Tex., assignor to Lee Angular Drill Corporation, Dallas, Tex., a corporation of Delaware
Application May 14, 1934, Serial No. 725,507
2 Claims. (Cl. 255—1)

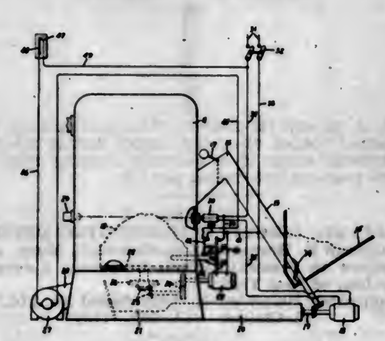
1. In a drilling mechanism for wells consisting of a drill stem projecting through a plurality of flexible units, a housing for directing said stem and units in a well and provided with a lateral opening and a deflector near the bottom thereof for directing said stem and units through said opening, a bit carried by the lower unit of said units and adapted to be actuated by said stem,



means for locking said lower unit in a predetermined angle to the rest of said units, and means for causing said stem to unlock said lower unit.

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2,118,651
**FURNACE CONTROL SYSTEM**
Aldo Macchi, Belleville, N. J., assignor to General Electric Company, a corporation of New York
Application April 3, 1936, Serial No. 72,583
1 Claim. (Cl. 110—101)



The combination of a furnace having an operable grate supporting an ash bed and a superposed fuel bed in which the consumption of fuel results in variation in the relative height of the ash bed and fuel bed, means for operating the grate to decrease the height of said ash bed, means for supplying fuel to said furnace to increase the height of said fuel bed, means for supplying said furnace with combustion air to control the consumption of fuel, means responsive to the fuel level within said furnace for controlling said fuel feeding means, thermal responsive means located in the space heated by the furnace for selectively controlling the operation of said combustion air supply means in accordance with variations in the space temperature, and thermostatic means responsive to a temperature



dependent upon the height of said ash bed above said grate for selectively controlling the operation of said grate operating means upon variation of said temperature between predetermined values and having a separately operable control means for preventing operation of said air supply means when said temperature exceeds a predetermined higher value.

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2,118,652
**CONTROLLABLE PITCH PROPELLER AND THE LIKE**
Nicolaas E. Groeneveld Meijer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 14, 1935, Serial No. 26,603
In Germany January 24, 1935
2 Claims. (Cl. 170—163)

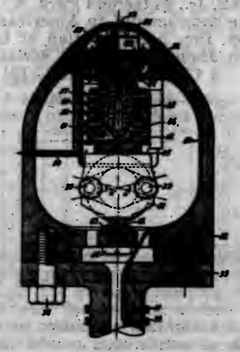


1. Pitch adjusting mechanism for a controllable pitch propeller having a hollow hub member and a plurality of propeller blades mounted thereon for rotation about their longitudinal axes comprising a plurality of spaced apart concentrically arranged cylindrical bodies having a relatively high coefficient of thermal expansion and a plurality of cylindrical bodies having a relatively low coefficient of thermal expansion concentrically arranged in the spaces between said high coefficient bodies, said high and low coefficient bodies being connected in series relationship with each other so that the bodies of high and low coefficients change their lengths in opposite directions in response to change in temperature, said thermal expansion bodies being mounted within said hollow hub, means connecting said thermal expansion bodies to said hub and to said blades, and means for supplying thermal energy to said bodies to produce a force for adjusting the pitch of the blades comprising an electric heating coil within said hub and means for supplying electric power to said coil.

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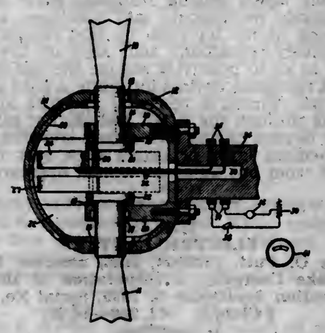
2,118,653
**CONTROLLABLE PITCH PROPELLER**
Nicolaas E. Groeneveld Meijer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 14, 1935, Serial No. 26,604
In Germany August 23, 1934
15 Claims. (Cl. 170—163)

1. A controllable pitch propeller for aircraft and the like comprising a hub member, a plurality of blades rotatably mounted thereon, thermal responsive means enclosed within said hub and connected to said hub and to said blades for adjusting the pitch of the blades, means for controlling the supply of thermal energy to said thermal responsive means, and means for controlling the cooling of said thermal responsive means.



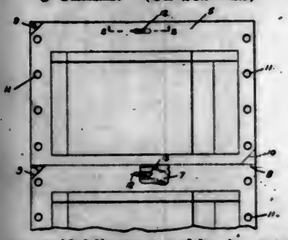
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2,118,654
**CONTROL DEVICE**
Nicolaas E. Groeneveld Meijer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 19, 1935, Serial No. 27,413
In Germany December 8, 1934
2 Claims. (Cl. 170—163)



1. A controllable pitch propeller comprising in combination a hub having a substantially completely enclosed housing member, a plurality of propeller blades having their roots rotatably mounted within said housing member to provide for rotation of said blades about their longitudinal axes, said roots being separated to provide a space, a plurality of thermal responsive elements for each of said blades mounted in said space, the elements for each of said blades being spaced at substantially equal circumferential intervals about the longitudinal blade axis and each having one extremity connected to said hub and the other connected to its associated blade root, an electric heating coil for each of said thermal responsive elements, and a source of electric power external to said housing member, and electrical connections from said source to said coils for supplying electric energy to said coils thereby to cause said thermal responsive elements to produce a force to rotate said blades about said axes.

2,118,655
MANIFOLDING ASSEMBLY
Arthur H. Phillips, Hempstead, N. Y., and William Allan, Jr., Ridgefield Park, N. J., assignors, by mesne assignments, to American Sales Book Company, Inc., a corporation of Delaware
Application January 17, 1931, Serial No. 509,304
3 Claims. (Cl. 282—12)



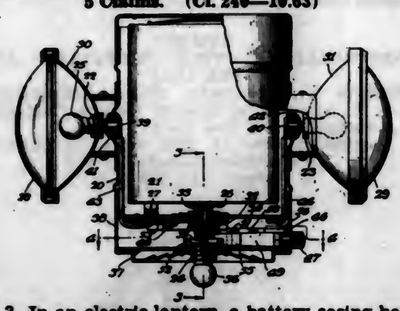
1. In a manifolding assembly, in combination, a plurality of continuous record layers and at least one continuous transfer layer arranged in superposed manifolding relation with each other and having longitudinally spaced transverse severance lines dividing the assembly into a longitudinal series of record packs of interleaved record and transfer leaves, the intermediate layer or layers of the assembly having longitudinally spaced apertures inwardly spaced from the opposite longitudinal assembly edges, one of said apertures of each apertured layer being positioned in each of said record packs, said apertures being spaced from the respective adjacent said severance lines but lying close to the latter, the outer assembly layers having frangible parts or keys respectively overlapping said apertures, a layer fastening device for each of said record packs respectively transfixing said keys of the outer layers so as to positively engage the latter, each of said fastening devices including a part smaller than the respective receiving aperture and extending through the latter, and each of said fastening devices having also a part transfixing the intermediate layer or layers at a part thereof spaced from but adjacent to said aperture.

2,118,656
ELECTRIC LANTERN
Harlie O. Putt, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application September 5, 1935, Serial No. 39,229
4 Claims. (Cl. 240—10.63)



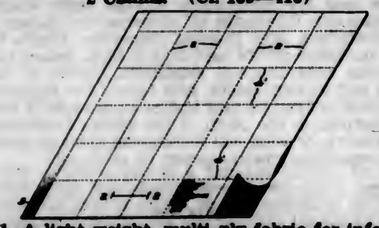
2. In an electric lantern having a battery casing, an electric circuit including a portion of the casing, and a lamp socket having a rim contact, the combination of a V-shaped switch element of flexible elastic material straddling the socket, a slide element attached to the switch element and carried by the casing, and positive stops slidably engageable by the outer faces of the switch arms intermediate of their ends and adapted to bias the switch element into wiping contact with the socket when the slide element is moved.

2,118,657
ELECTRIC LANTERN
Harlie O. Putt, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Original application September 5, 1935, Serial No. 39,229. Divided and this application December 29, 1936, Serial No. 116,148
5 Claims. (Cl. 240—10.63)



3. In an electric lantern, a battery casing having a plurality of incandescent lamps, a circuit having battery terminals, a permanently closed connection between one of said terminals and one contact of one of the lamps, a connector between the other of said battery terminals and one contact of the other lamp, a connection from the other contact of the first lamp terminating in normally spaced relation from said connector, and switch means comprising a manually operable button outside the casing, a pair of arms extending from said button within the casing, straddling said connector and the other contact of the second lamp and movable in one direction to cause one of the arms to move said normally spaced connection and connector into electrical engagement and movable in another direction to connect the first named battery terminal with said other contact of the second lamp.

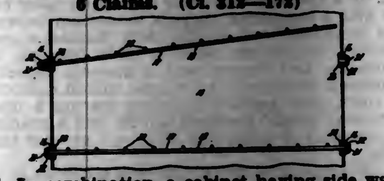
2,118,658
FABRIC
Ruth L. Sayers, Walpole, Mass., assignor to The Kendall Company, Walpole, Mass., a corporation of Massachusetts
Application November 23, 1936, Serial No. 112,265
2 Claims. (Cl. 139—413)



1. A light weight, multi-ply fabric for infants' absorbent pads and the like, the plies of which have a porous weave, said plies being substantially alike and each being composed of bleached cotton yarn of between 18s and 40s in size, and the yarns of adjacent plies being interwoven with each other at regular intervals to produce narrow bars extending continuously both warpwise and weftwise of the fabric, said intervals being so spaced that the maximum distance between said bars is not over three inches, and the portions of the plies between said bars being independent of and free from each other.



2,118,659
REFRIGERATOR CABINET AND SHELF CONSTRUCTION
Philip T. Sywert, Wesleyville, Pa., assignor to General Electric Company, a corporation of New York
Application June 20, 1935, Serial No. 27,489
6 Claims. (Cl. 312—173)



1. In combination, a cabinet having side walls forming a compartment therein, a removable shelf for said compartment and having lateral projections thereon, said side walls being provided with apertures therein, and means including cup-shaped casings having extensible hollow body portions fitting on said lateral projections and secured in the apertures in said side walls for supporting said shelf in a substantially horizontal position in said compartment, the hollow body portions of said casings being extensible in order to accommodate lateral sliding movements of said lateral projections into engaging and disengaging relation therewith during placement and removal respectively of said shelf, said casings having closed ends presented toward the exterior of said compartment and sealing the apertures in said side walls against passage of air therethrough.

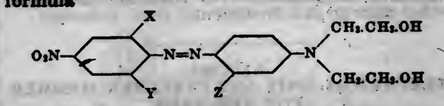
2,118,660
TRANSFORMER LOAD INDICATOR
Lynn Wetherill, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 10, 1936, Serial No. 100,159
5 Claims. (Cl. 73—350)



3. An indicating instrument including two levers, means for controlling one of said levers in response to temperature changes in the cooling liquid of liquid-immersed electrical apparatus, means for controlling the other lever in response to temperature changes in the air surrounding the apparatus, a link pivotally connected at one end to one lever, a second link pivotally connected at one end to the other lever, a pivotal connection between the other ends of said links, a load chart, and indicating means controlled by said links, said chart and the lengths and angular relations of said levers and links being proportioned to indicate the relation between the load carried by the apparatus and the maximum safe load under the same liquid and air temperature conditions.

2,118,661
AZO DYES AND PROCESS FOR MANUFACTURING THE SAME
Erich Baumann, Dessau-Ziebigk, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 12, 1936, Serial No. 68,451. Renewed October 22, 1937. In Germany March 18, 1935
5 Claims. (Cl. 260—96)

1. The dyes which correspond to the general formula



wherein X and Y is an element selected from the group consisting of hydrogen and halogen, and Z is a halogen of the group consisting of chlorine and bromine, said dyes dyeing acetate silk clear red to yellow-brown tints of good fastness to washing and water and of a very good fastness to light, the dyeings having a good capacity for white discharge.

2,118,662
PRODUCTION OF ETHYL CHLORIDE
Walter Baumann, Leuna, and Joseph Hirschbeck, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 8, 1937, Serial No. 119,622. In Germany January 16, 1936
6 Claims. (Cl. 260—166)

1. A process for the production of ethyl chloride which comprises bringing a gaseous mixture of hydrogen and up to 20 per cent of vinyl chloride into contact with a hydrogenation catalyst at temperatures from about 50 to 200° C. the speed of flow being so chosen that at most about one half of the vinyl chloride is converted.

2,118,663
PURIFICATION OF CELLULOSE ETHERS
Russell R. Bradshaw, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 25, 1937, Serial No. 132,087
12 Claims. (Cl. 260—152)

1. In a process for the purification of a crude cellulose ether, the step which consists in treating the same in a solvent therefor with between about 0.25 and 2.5 parts of an aliphatic carboxylic acid having an ionization constant less than $10^{-3}$, and between about 0.0005 part and about 0.05 part of a mineral acid selected from the group consisting of hydrochloric, sulphuric and phosphoric acids, per part of the cellulose ether.

2,118,664
CELLULOSE ETHER PURIFICATION
Russell R. Bradshaw, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application January 7, 1937, Serial No. 119,523
6 Claims. (Cl. 260—152)

1. In a process for the purification of crude cellulose ether, the steps which consist in mixing the same in a substantially non-aqueous sol-

vent therefor which is non-reactive with the cellulose ether, with between about 0.25 part and about 2.5 parts by weight of an aliphatic carboxylic acid per part of the cellulose ether, thereafter removing filterable impurities from the solution, contacting the solution with water maintained at a temperature above the boiling point of the substantially non-aqueous solvent, thereby flashing off the solvent and precipitating the cellulose ether, and recovering the cellulose ether so precipitated, which has substantially the same viscosity characteristics as those of the crude ether prior to said treatment.

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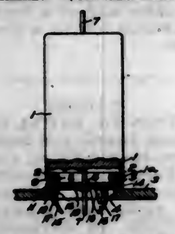
2,118,665

**ELECTRICAL UNIT AND FASTENER MEMBER FOR THE SAME**

Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application January 29, 1936, Serial No. 61,433

7 Claims. (Cl. 248—223)



1. An installation for an electrical or the like unit comprising, in combination, a relatively thin supporting structure having an aperture therein, said unit having an outer covering of suitable material, a fastener means secured directly to one end thereof, said fastener comprising a metal eyelet in clenched engagement with said covering, and a plurality of independently yieldable portions extending from beneath said eyelet, said yieldable portions extending through said aperture and bearing on said supporting structure adjacent said aperture thereby securing said unit to one side of said support.

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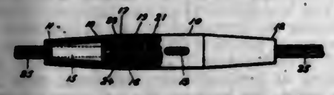
2,118,666

**CABLE CONNECTER**

Bern Dibner, Peekskill, N. Y., assignor to Burndy Engineering Co., Inc., a corporation of New York

Application February 20, 1936, Serial No. 64,805

5 Claims. (Cl. 24—126)



1. In a connecter for connecting cables, a casing formed from metal tubing with tapered open ends for the insertion of cables therein; a set of gripping jaws located in and engaging the walls of each tapered end; a sheet metal cup-shaped cap having a series of sheet metal fingers extending therefrom, each of said fingers being secured to a gripping jaw, and causing said jaws to maintain a constant spaced circumferential and longitudinal relationship with each other; and a coil spring extending between said caps for holding them in spaced relation adjacent the open ends of said casing in gripping relation with the cables inserted in said casing.

2,118,667

**DIELECTRIC**

Louis Domenach, Lyon, France, assignor to Compagnie Generale D'Electricite, Paris, France

No Drawing. Application October 7, 1935, Serial No. 43,968. In Germany October 8, 1934

3 Claims. (Cl. 173—265)

1. In a transmission cable having an outer casing and a conductor therein, insulation between said conductor and casing, said insulation constructed to provide cells or voids between the conductor and casing, and a gaseous dielectric composed principally of butane within said cells or voids, said gaseous dielectric having a mean molecular weight greater than 50, and a gradient of potential of ionization (V/mm.) greater than 2,500.

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2,118,668

**RADIO TUBE MOUNT**

Harry M. Gaun, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application October 23, 1937, Serial No. 170,546

7 Claims. (Cl. 250—27.5)



1. A radio tube mount including a plurality of electrodes, at least one insulator disc having perforations to receive projections from said electrodes to maintain them in axially spaced relation, a metal collar positioned adjacent one end of the mount, and cooperating embossings and perforations on the collar and disc to maintain the electrodes in fixed spaced relation to the collar.

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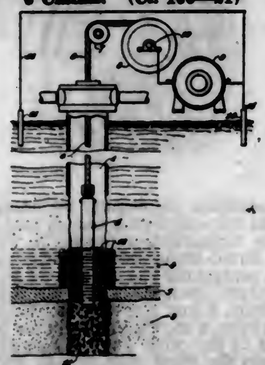
2,118,669

**METHOD OF TREATING WELLS**

John J. Grebe, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application August 17, 1937, Serial No. 159,515

6 Claims. (Cl. 166—21)



1. In a method of treating an earth or rock formation penetrated by a well bore, the steps which consist in introducing into the well bore and thence into the formation to be treated an aqueous electrolyte comprising a heavy metal ion, and electrolyzing the solution in situ, to deposit the metal from the solution.



2,118,670

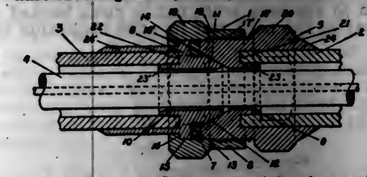
**CONNECTER**

Thomas C. Green, United States Marine Corps

Application September 14, 1936, Serial No. 100,687

5 Claims. (Cl. 247—18)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A shielding assembly comprising in combination a plurality of electrically conductive casing elements and a connecter for connecting said elements together and for insuring electrical continuity and continuity of passage therebetween, said connecter including an apertured, electrically conductive member in intimate electrical contact with a second apertured, electrically conductive member and said members being electrically continuous with their respective casing elements, means for sealing the area of contact between said first and second mentioned members against the introduction of any matter from the assembly exterior, and means for holding said first and second mentioned members in engagement.

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2,118,671

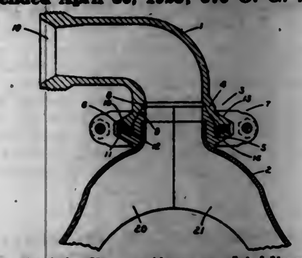
**SHIELDING ASSEMBLY AND CONNECTER THEREFOR**

Thomas C. Green, United States Marine Corps

Application September 14, 1936, Serial No. 100,688

2 Claims. (Cl. 247—18)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An electrically continuous shielding assembly comprising in combination a plurality of electrically conductive casing elements one of which is undivided and the other of which is divided into a plurality of sections, a connecter for connecting said elements together and for insuring continuity of passage and electrical continuity therebetween as well as electrical contact between the sections of the divided casing element, said connecter including an apertured, electrically conductive member electrically continuous with said undivided casing element and in intimate electrical contact with a second apertured, electrically conductive member which is divided into a plurality of sections equal in number to those of the divided casing element and electrically continuous therewith, means for sealing the area of contact between said first and second mentioned connecter members against the connecter exterior and means for holding said members in engagement at their surfaces of contact and for forcing the sections of said divided casing element as well as those of the divided connecter member into electrical engagement, whereby to provide an electrically continuous and efficient shielding assembly.

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2,118,672

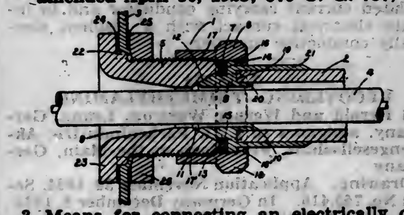
**JOINT AND CONNECTER**

Thomas C. Green, United States Marine Corps

Application September 14, 1936, Serial No. 100,689

3 Claims. (Cl. 285—47)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. Means for connecting an electrically conductive casing element to an electrically conductive element provided with an opening and for insuring electrical continuity and continuity of passage therebetween, comprising in combination an apertured, electrically conductive body provided with projecting means at one end thereof and a contact surface at the other end thereof, means for forcing the projecting means into electrical contact with the electrically conductive element adjacent the opening therein and for sealing the area of contact therebetween against the connecter exterior, a second apertured electrically conductive body adapted for connection to said casing element and having a contact surface in contact with that of said first mentioned body, means for sealing the area of contact between said first and second mentioned bodies against the connecter exterior, and means for holding said first and second mentioned bodies in engagement.

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2,118,673

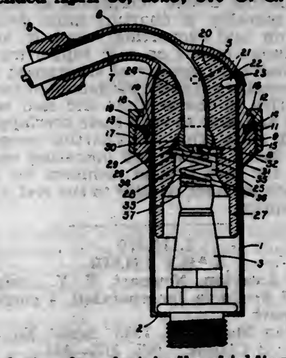
**DEVICE FOR SHIELDING A SPARK PLUG AND FOR CONDUCTING CURRENT THERETO**

Thomas C. Green, United States Marine Corps

Application September 14, 1936, Serial No. 100,690

19 Claims. (Cl. 123—169)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



9. A device for electrically shielding a spark plug and for conducting current thereto com-

prising in combination an electrically conductive casing element in intimate and direct, electrical contact with a second electrically conductive casing element, means for holding said casing elements in engagement and for sealing the area of contact therebetween against the exterior of said device to thereby insure the formation of a fluid impervious enclosure by said casing elements as well as an electrically continuous and protected juncture therebetween, and means for conducting current to the spark plug, said last mentioned means including an electrically conductive terminal electrically continuous with an insulated current carrying conductor and in intimate electrical contact with a resilient electrically conductive member.

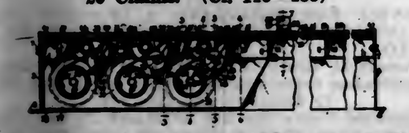
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2,118,674
**RECOVERING TRIMETHYLAMINE**
Paul Herold and Werner Wustrow, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application November 30, 1934, Serial No. 755,416. In Germany December 8, 1933
6 Claims. (Cl. 202—42)

1. The process of recovering trimethylamine from a mixture containing substantially only the same and a major amount of ammonia, which comprises adjusting the basicity of the said mixture so that an appreciable amount of trimethylamine is in the free state, and that at least a substantial part of the ammonia is neutralized by an acid capable of forming a difficulty volatilizable ammonium salt and furthermore that the ratio of free ammonia to trimethylamine in the adjusted mixture is less than corresponds to the azeotropic ammonia-trimethylamine mixture, and subjecting the non-neutralized basic material to fractional distillation.

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2,118,675
**CHARTING DEVICE**
Arthur Rex Jackson, London, England, assignor to Remington Rand Inc., Buffalo, N. Y.
Application May 2, 1934, Serial No. 723,516
In Great Britain May 2, 1933
20 Claims. (Cl. 116—135)

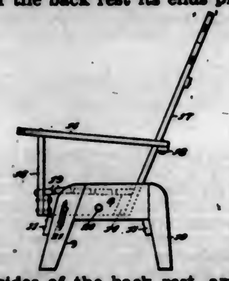


6. A charting device comprising a supporting frame, a plurality of charting units detachably mounted on said supporting frame in adjacent relation, index means on said supporting frame and said units, a plurality of superposed lineally movable members in each unit mounted for movement relative to one another and said supporting frame and unit to vary their overlapping relation with each other for charting cooperation with said index means, and operating means in each unit for each of said members for lineally moving each member relative to the rest, the unit and the support.

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2,118,676
**LAWN CHAIR**
Robert E. Lankton, Newport, N. Y., assignor to Restwell Products Incorporated, a corporation of Missouri
Application March 30, 1936, Serial No. 71,575
2 Claims. (Cl. 155—55)

2. A chair of the character described comprising a base section and a seat section mounted upon said base section, the base section composed of two side members consisting of sides, standards supporting the same, cross bars attached to the standards of both side members, the seat section composed of two sides, cross bars connecting the same, seat strips located on the top of the sides, uprights attached to the front cross bar, a back rest attached to the rear cross bar, a cleat located at the rear of the back rest its ends projecting be-



yond the sides of the back rest, arm rests connected to the uprights and to the projecting ends of the cleat, pivot bolts passing through the sides of both sections, said pivot bolts passing through the base approximately centrally thereof and passing through the seat section off center toward the rear thereof, and springs located under the seat section, the same connected to certain of the standards of the base section and to the sides of the seat section.

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2,118,677
**DOLL CONSTRUCTION**
Melvin S. Lower, Wadsworth, Ohio, assignor to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio
Application April 28, 1937, Serial No. 139,545
1 Claim. (Cl. 46—161)



A doll construction comprising a hollow torso, opposite hollow arms at the sides of the torso and opposite hollow head and hollow leg members at the top and bottom of the torso, and a single unitary flexible elastic connector in said torso, said torso and said arms, head and legs having socket joints with openings therethrough, said joints permitting articulation of the head, arms and legs on the torso, and said leg joints being in oppositely downwardly diverging relation, said connector comprising one tension member extending from the head to the legs and through the openings in the socket joints of said head and legs and the lower end of said tension member being formed with diverging ele-



ments extending to the legs in Y formation, said tension member having enlarged ends engaged in the head and legs, and said connector comprising another tension member extending between said arms and through the openings in the socket joints of the arms and having enlarged ends engaged in the arms, said connector being insertable into the torso through the head opening, all the members of said connector being separate from the articulating parts and under tension between opposed articulating joints of the doll construction, the tension members between the arms and between the head and legs crossing each other inside the torso at an integral joint.

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2,118,678
**WELDING ROD**
Arthur R. Lytle, Niagara Falls, N. Y., assignor to Oxweld Acetylene Company, a corporation of West Virginia
No Drawing. Application July 16, 1936, Serial No. 90,885
5 Claims. (Cl. 219—8)

1. A steel welding rod containing about 0.2% to 1% silicon, 0.7% to 1.5% manganese, at least one metal selected from the group consisting of chromium and vanadium, the sum of the vanadium percentage plus one-half the chromium percentage being between 0.1% and 0.5%, and the remainder substantially all iron.

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2,118,679
**WELDING ROD**
Arthur R. Lytle, Niagara Falls, N. Y., assignor to Oxweld Acetylene Company, a corporation of West Virginia
No Drawing. Application July 16, 1936, Serial No. 90,886
3 Claims. (Cl. 219—8)

1. A steel welding rod producing sound, strong welds in high speed continuous fusion deposition welding operations without manipulative puddling, which rod contains essentially 0.2% to 1% silicon which promotes a desirable sluggishness of the molten weld metal but undesirably increases the effect of sulfur in producing porosity, said rod being substantially free from sulfur, the sulfur content being less than 0.015%, remainder substantially all iron.

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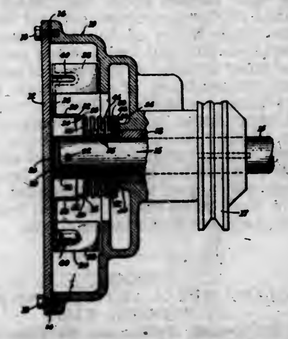
2,118,680
**WELDING FLUX AND WELDING ROD**
Arthur R. Lytle, Niagara Falls, N. Y., assignor to Oxweld Acetylene Company, a corporation of West Virginia
No Drawing. Application July 16, 1936, Serial No. 90,887
10 Claims. (Cl. 219—8)

1. A welding flux which comprises, as essential ingredients, boron oxide, zinc oxide, and alkali metal halide; the oxides of boron and zinc together amounting to a major part, and the halide amounting to a minor part, of said flux.

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2,118,681
**PUMP SEALING MEANS**
William F. Macdonald, Bridgeport, Conn., assignor, by mesne assignments, to Bridgeport Thermostat Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application June 4, 1935, Serial No. 24,894
4 Claims. (Cl. 103—111)

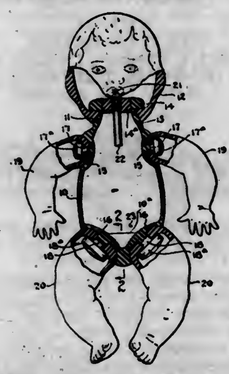
2. An impeller made of sheet metal and provided with a closed shaft receiving socket and having an annular bent-back portion concentric with said socket and connected with the same, said impeller being also provided with a radially extending portion carrying impeller vanes and connected with said annular portion, a resilient and flexible corrugated sealing member provided with a flange at one end fixedly secured to said annular portion of said impeller, an annular



bearing member secured to the other end of said resilient and corrugated sealing member, and a spring within said resilient and flexible corrugated member bearing against said impeller and said annular bearing member, said impeller, sealing member, bearing member and spring constituting a unitary replacement unit for use in a pump adapted to be unitarily mounted upon or removed from a pump shaft.

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2,118,682
**RUBBER DOLL**
Charles H. Nagel, Akron, Ohio, assignor to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio
Application February 24, 1938, Serial No. 192,303
4 Claims. (Cl. 46—161)



1. In a hollow rubber figure, a hollow rubber torso and one or more appendages therefor, said torso being formed with one or more sockets in the wall thereof to receive the inner ends of said appendages, said sockets and said inner ends of said appendages being correspondingly formed substantially to fit in rubber-to-rubber contact, one or more male joint members in said sockets integral with said torso and extending outwardly thereof and comprising a stem portion and an

enlarged flange on the outer end thereof, said appendages having apertures therein through which said stems extend, said stems fitting in said apertures with substantial rubber-to-rubber contact between the edges of the apertures and the surfaces of the stems, the length of said stems being substantially the thickness of the edges of the appendages about said apertures, the inner walls of said flanges about said stems being in substantial rubber-to-rubber contact throughout with the inside walls of the appendages about said apertures but said inside walls being spaced from the outer peripheral surfaces of said flanges, and each socket being of such depth that each enlarged flange is outside of the torso wall, whereby said appendages may be articulated on said torso by turning in said sockets about said male joint members to various positions of adjustment, the rubber-to-rubber contacting surfaces sliding past each other and said appendages being retained in such positions by friction between the rubber-to-rubber contacting surfaces.

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2,118,683

## HOT ROLLED METAL ARTICLE AND METHOD OF MAKING SAME

Harold D. Newell, Patterson Heights, Pa., and Martin Fleischmann, Canton, Ohio, assignors of one-half to The Babcock & Wilcox Tube Company, West Mayfield, Pa., a corporation of Pennsylvania, and one-half to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

No Drawing. Application February 8, 1936, Serial No. 62,900

8 Claims. (Cl. 29—62)

1. A hot-pierced seamless tube made of a low carbon austenitic ferrous chromium-nickel-molybdenum alloy containing 14 to 20 percent chromium, 1 to 4 per cent molybdenum, 9 to 18 percent nickel, and not over about 0.15 percent carbon, the amount of nickel within the stated range being sufficient to prevent formation of delta iron when the alloy is heated to piercing temperature.

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2,118,684

## CULTURE DEVICE

Henry T. Prescott, Chicago, Ill.

Application October 26, 1934, Serial No. 750,123

1 Claim. (Cl. 84—465)



In a culture device for users of finger operated devices, finger culturing means comprising a body member, said body member having a plurality of chambers, a tube lining each of said chambers, each of said chambers having an air vent of relatively small cross-sectional area connected with each said chamber, a common plate closing one end of said chamber and having apertures therethrough, said apertures being arranged concentrically with respect to the chambers, means passing through said apertures and engageable with the fingers of the hands to be cultured, and means within the chamber adapted to resist movement to a predetermined amount, said last mentioned means being operable by the fingers of the hands to be cultured.

2,118,685

## RENDERING TEXTILE MATERIALS SUBSTANTIALLY RESISTANT TO CREASING

Josef Stadler, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application August 13, 1934, Serial No. 739,714. In Germany August 19, 1933

6 Claims. (Cl. 91—70)

1. The process of rendering textile materials substantially resistant to creasing, which comprises impregnating said materials with an aqueous solution of a compound supplying formaldehyde in the presence of a non-oxidizing acid-reacting compound, acting on said materials with from 0.1 to 100 grams per liter of an organic compound containing a basic group with at least 4 carbon atoms, which compound is not itself a resin and does not form resins with formaldehyde, and is selected from the class consisting of non-aromatic, mono-carboxylic amides, aliphatic amines and polyethenoxy ether containing compounds, and heating to a temperature between about 100 and about 200° C.

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2,118,686

## ALUMINUM ALLOY

Hans Steudel and Heinz Wiechell, Dessau, Germany, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany

No Drawing. Application March 28, 1935, Serial No. 13,435. Renewed April 22, 1938. In Germany November 22, 1934

1 Claim. (Cl. 75—141)

An aluminum alloy consisting of about 8 per cent copper, 8 per cent zinc and 6 per cent iron, with a remainder aluminum, said alloy being distinguished by great hardness and strength and possessing an elongation which is remarkable for a casting alloy.

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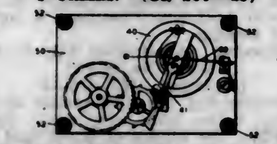
2,118,687

## CIRCUIT-CONTROLLING MECHANISM

Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey

Original application July 30, 1928, Serial No. 296,280, now Patent No. 2,051,506, dated August 18, 1936. Divided and this application October 27, 1933, Serial No. 695,402

4 Claims. (Cl. 200—19)



1. A device for intermittently closing an electric circuit, comprising the combination with a periodic oscillating member and driving means for supplying energy to maintain the oscillations of said member, of a circuit-closing device, and a member yieldingly operatively connected with said circuit-closing device and independent of said driving means extending substantially perpendicularly across the path of movement of an abutment on said oscillating member in position to be struck by said abutment each time the oscillating member approaches the end of its movement in one direction and to be moved in the general direction of the movement of the abutment, whereby the momentum of the oscillating member is applied to said circuit-closing device to close the circuit and the major part of the energy stored in the member struck by the abutment is returned to the oscillating member on its reverse movement.



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2,118,688

## YELLOW BRASS PIPE ALLOY

William B. Webster, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut

No Drawing. Application June 25, 1937, Serial No. 150,262

6 Claims. (Cl. 75—155)

3. A yellow brass alloy adapted for use in the manufacture of water tubes or pipes, which resists or prevents dezincification and corrosion and which contains about 60% to 67% copper, 0.05% to 0.35% of arsenic, and the remainder consisting substantially entirely of zinc.

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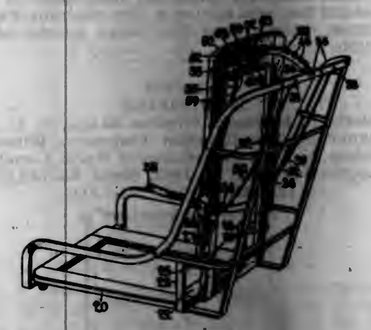
2,118,689

## AUTOMOBILE SEAT

Le Grand S. Whedon and Albert A. Grinnell, Medina, N. Y., assignors, by mesne assignments, to Le Grand S. Whedon, Medina, N. Y.

Application November 20, 1934, Serial No. 753,967

4 Claims. (Cl. 155—162)



2. In a seat arrangement, a supporting frame having a seat bottom frame, a seat back frame movable tiltably relative to the seat bottom frame, said seat bottom frame having means normally loosely and slidably receiving a portion of the seat back frame to facilitate the tiltable relation, said supporting frame having a substantially vertical section disposed adjacent the seat back frame, torsion springs each including an intermediate coil with end portions extending from said coil and said torsion springs resiliently suspending the seat back frame for forwardly and rearwardly tiltable adjustable motion, means for connecting the extending portions of each spring to the seat back frame and to said section of the supporting frame, said torsion springs normally being under tension and urging the seat back frame away from said vertical section of the seat bottom frame, said springs and said back receiving means of the seat bottom frame maintaining the seat back frame within predetermined limits of movement, and adjusting mechanism connected to the vertical section of the supporting frame and to the seat back frame for securing the latter in various positions within its limits of movement.

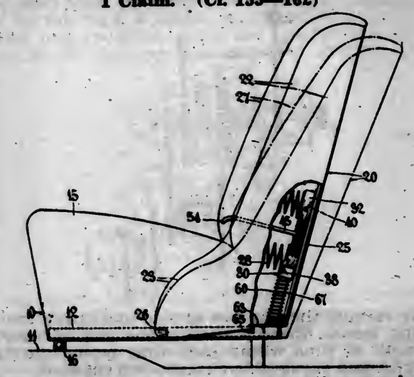
2,118,690

## SEAT BACK ADJUSTING DEVICE

Le Grand S. Whedon, Medina, N. Y.

Application October 22, 1935, Serial No. 46,216

1 Claim. (Cl. 155—162)



In a seat structure, a lower supporting member, a seat back having its lower portion pivotally supported on said member for forward and rearward tilting movement thereon, an upright channel guide carried rigidly by the seat back in spaced relation to the supporting member, a slide interfitting with and longitudinally movable upwardly and downwardly in said channel guide, said guide having flange portions overlapping the sides of the slide to hold the latter against lateral displacement, a link having its upper end portion connected to the lower end portion of the slide and extending from the lower end portion of the guide, means for pivotally supporting the lower end portion of the link on said supporting member, a coil spring normally under compression disposed about the link and having its opposite ends engaging said supporting member and the lower portion of the channel guide, and an adjusting lever extending rotatably through the sides of the channel guide and having means selectively engageable with recessed portions of the slide to permit forward and rearward tilting of the seat back and to secure the latter in adjusted positions.

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2,118,691

## PREPAYMENT METER

Norman Wright, Sale, England, assignor to General Electric Company, a corporation of New York

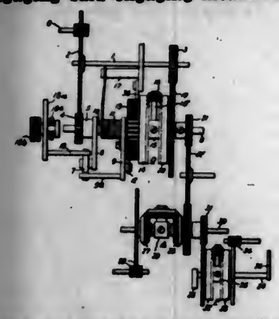
Application March 16, 1936, Serial No. 69,227

In Great Britain March 25, 1935

9 Claims. (Cl. 194—11)

1. A prepayment meter for including an adjustable fixed charge in the prepaid amount collected, said meter comprising a member driven at constant speed, a rotatable member the rotation of which represents the amount of fixed charge, and an intermittently operative connecting device between said constant-speed member and said fixed charge member for transmitting movement of said constant-speed member intermittently to said fixed charge member in successive time periods during only a predetermined fractional part of each period, said device including a pair of engageable elements one of which is carried by said constant speed member, means connecting the other of said engageable elements to said fixed charge member, relatively movable means included in the engageable element carried by the

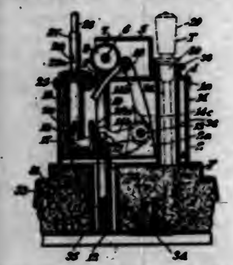
constant speed member for engaging said elements, stationary means in the path of said engaging means for periodically tripping and thereby disengaging said engaging means and means



for varying the position of said stationary tripping means, thereby altering the uninterrupted length of time within each time period during which said engageable elements are engaged.

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2,118,693
**FLAME-PRODUCING MECHANISM**
Louis V. Arensen, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey
Application October 11, 1934, Serial No. 747,855
11 Claims. (Cl. 67—4.1)



1. In pyrophoric lighting mechanism, a fuel casing, a main casing, and a mechanical operating assembly comprising a serrated member and a pyrophoric element coactable therewith said fuel casing detachably supporting said main casing and said operating assembly said operating assembly being detachable as a unit from said main casing, said operating assembly coacting with said main casing to retain it on said fuel casing.

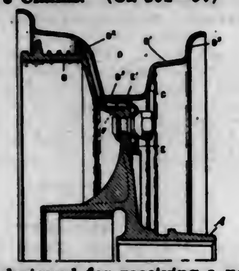
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2,118,694
**METHOD OF ROLLING STAINLESS STEEL AND PRODUCT THEREOF**
William B. Arness, Baltimore, Md., assignor to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware
No Drawing. Application January 21, 1937, Serial No. 121,668
19 Claims. (Cl. 29—69)

1. In the production of stainless steel sheet or strip substantially free of surface defects, the art which includes, heating or re-heating ingots, blooms, slabs or billets comprising chromium 10 per cent to 30 per cent, nitrogen in an amount less than .20 per cent but over .06 per cent, and the balance iron and then hot-rolling said products to form sheet or strip free from decarburization and surface grain growth effects by virtue of said nitrogen content.

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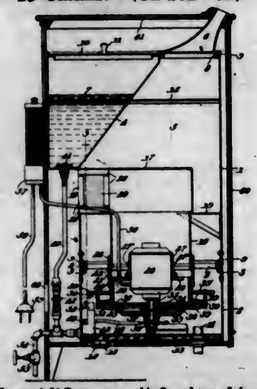
2,118,694
**WHEEL CONSTRUCTION**
Charles S. Ash, Milford, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application January 27, 1936, Serial No. 61,103
6 Claims. (Cl. 301—97)



1. A rim designed for receiving a peg-leg tire, said rim having axially inner and outer portions each provided with a bead seat and a retaining flange, the bead seat on the inner portion being of larger diameter than the bead seat on the outer portion and having a tire retaining flange of lesser height than the flange on the outer portion.

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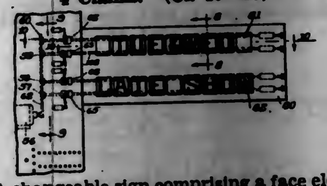
2,118,695
**HUMIDIFIER**
Frederic F. Bahnson, Winston-Salem, N. C., assignor to The Bahnson Company, Winston-Salem, N. C., a corporation of North Carolina
Application April 27, 1933, Serial No. 668,279
13 Claims. (Cl. 261—91)



1. In a humidifier, a unit for breaking up water into particles which may be entrained in and evaporated by an air current, said unit including rotative members and a driving motor therefor, a casing having partition means for segregating entrant air from effluent moisture-laden air, said partition means affording a relatively rigid support for said unit, and a flexible sleeve connecting said partition means and unit and providing a continuation of said partition means, said flexible sleeve supporting said unit with relation to said partition means and acting as a vibration damper and sound deadener between said unit and casing.



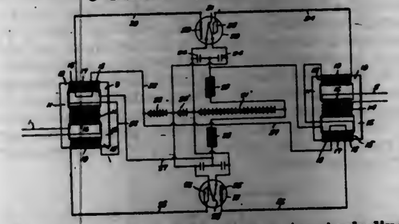
2,118,696
**CHANGEABLE LETTER SIGN**
Dante Bonetti, Highwood, Ill.
Application September 30, 1935, Serial No. 42,758
4 Claims. (Cl. 40—53)



1. A changeable sign comprising a face element, a plurality of roller elements associated with said face element, a plurality of movable elements having literal characters thereon associated with said roller elements, power driven means associated with the roller elements whereby to rotate said roller elements, said power driven means comprising a solenoid operated clutch, a primary shaft operably connected to the clutch, a secondary shaft slidably connected to the primary shaft, a plurality of gear means mounted at spaced intervals along the secondary shaft, and drive gear means on each roller adapted to engage one of the gears on the secondary shaft.

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2,118,697
**TWO-WAY TELEPHONE REPEATER**
Leslie W. Branch, Hilo, Territory of Hawaii
Application April 18, 1936, Serial No. 75,192
5 Claims. (Cl. 179—170)

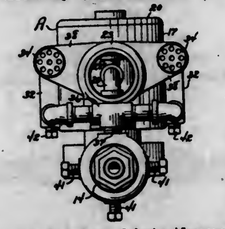


5. A two-way telephone repeater including a pair of transformers each comprising a closed core and an intermediate leg spanning the core, a telephone line coil wound on said intermediate leg, grid and plate coils wound respectively on remote ends of the core on opposite sides of the intermediate leg, a pair of amplifying tubes, a grid and plate circuit for each tube including respectively the grid coil of one transformer and the plate coil of the other transformer, and neutralising coils wound on the core at opposite ends of the grid coil, the neutralising coils of each transformer being energised from the plate circuit in which the plate coil of that transformer is included.

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2,118,698
**OIL BURNER**
Monroe Brittain, Chickasha, Okla.
Application May 21, 1936, Serial No. 81,086
1 Claim. (Cl. 158—74)

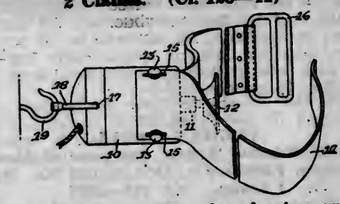
An oil burner comprising a tube-like burner nozzle having a tip formed with a side walled flared mouth constituting a mixing chamber, a plug adjustably fitted in said nozzle at the end remote from the tip, a steam jet pipe passed through the plug into the said nozzle and having a tip within the tip of said nozzle, means engaged in said nozzle for adjusting the jet pipe, an oil trough superimposed upon said jet pipe and having an inclined end overhanging the tip of said jet pipe, an oil bowl above the mixing chamber and having a central vertical discharge column and a vented cap above said column, said oil bowl being provided with air heating passages in its side wall, a tubular conduit leading to the bowl and connected with the said burner nozzle, an oil delivery pipe extended through the



conduit into the bowl and into the nozzle through the connection of the conduit therewith and terminating above the trough within said nozzle, air inlet pipes arranged at opposite sides of the conduit and opening from the atmosphere into the said air heating passages, and air delivery pipes parallel with the air inlet pipes and leading from the said bowl into the nozzle at a point rearwardly from the trough therein for the delivery of preheated air into the said nozzle.

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2,118,699
**VIBRATOR AND HOLDER THEREFOR**
Edward M. Chappell, Chicago, Ill., assignor to Bally Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 18, 1936, Serial No. 64,535
2 Claims. (Cl. 128—41)



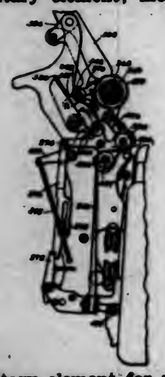
1. In a vibrator of the class having an elongated body including a cylindrical end portion carrying two pairs of radial studs in spaced relation, the combination with the studs of a pair of relatively wide bands having complementarily paired cooperative means at one end respectively for securement to the respective pairs of studs whereby to hold the said band ends in an axial direction relative to the axis of the vibrator body and respectively in wrapping engagement with said body, the other ends of said bands including a separable fastener whereby the band may be secured around a user's torso in a manner to hold the vibrator body with its axis normal to the user's torso.

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2,118,700
**LISTING ADDING MACHINE**
Loring Pickering Cressman, Maplewood, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application January 15, 1938, Serial No. 185,241
9 Claims. (Cl. 197—128)

1. In a listing adding machine having a platen, a shiftable platen carriage, and paper feeding means including a pair of normally disengaged

rolls and a pressure roll normally engaging the platen, and means for shifting said carriage including a unitary element; means cooperating



with said unitary element for moving said disengaged rolls into engagement and said pressure roll away from the platen.

2,118,701
RUSTLESS IRON MANUFACTURE
Alexander L. Feild, Baltimore County, Md., assignor to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware
No Drawing. Original application January 4, 1934, Serial No. 705,281. Divided and this application July 12, 1937, Serial No. 153,281
5 Claims. (Cl. 29—190)

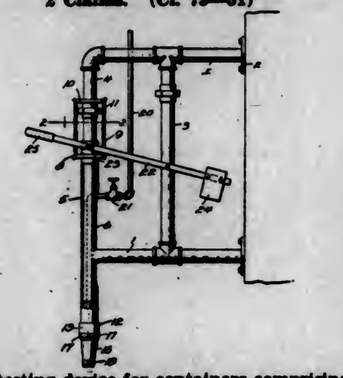
1. As an article of manufacture heat-resistant sheet or strip of high tensile strength, good impact value and fine texture, comprising, approximately, 20 per cent to 22 per cent chromium, .25 per cent to 2 per cent molybdenum, .25 per cent to 2 per cent silicon, .05 per cent to .20 per cent carbon, and the balance substantially iron cold rolled to a total reduction in sectional area to at least about 50 per cent.

2,118,702
VEHICLE WHEEL
Earl W. French, Haines, Territory of Alaska
Application February 8, 1937, Serial No. 124,741
1 Claim. (Cl. 152—396)



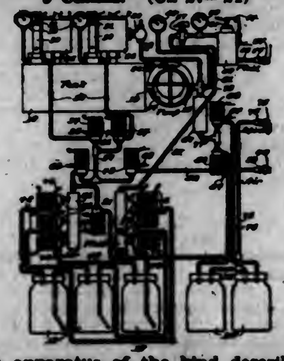
A rubber tire attaching device for a vehicle wheel having a centrally disposed circumferentially arranged groove in the rim thereof, said device comprising a pair of semi-circular band sections, tire sections fixed to the band sections, socketed keepers on the ends of the band sections and arranged for cooperative association for disposing the sockets thereof in registration, said sockets being substantially rectangular in cross section, a pair of wedges received in the sockets of cooperating keepers for securing the band sections to the rim and having straight outer faces for fitting the corresponding walls of the keepers and inclined engaging inner faces to set up a wedging action, said wedges having their small ends bent at right angles thereto to provide heads thereon to prevent removal thereof from the keepers, and lugs struck from and extending inwardly from the band sections and received in the groove to prevent lateral movement of the band sections with respect to the rim.

2,118,703
TESTING DEVICE
Basilio Ginimo, Jersey City, N. J., assignor of one-third to Hector J. Arena, Union City, N. J.
Application April 2, 1937, Serial No. 134,891
2 Claims. (Cl. 73—51)



2. A testing device for containers comprising a supporting frame, a sleeve mounted for vertical movement on the frame, a head detachably secured to the lower end of the sleeve and having a reduced outer end providing a shouldered portion and a nipple depending therefrom, compressible means surrounding and spaced from the nipple and secured to the latter and the shouldered portion respectively for disposal in substantially conical formation, said compressible means receivable in an opening in a container to provide a leak proof connection therewith, a pipe mounted in the sleeve and within the nipple for the passage of fluid under pressure therethrough for disposal within the container, packing surrounding the pipe to provide a leak proof connection between the latter and the nipple, and means for moving the sleeve.

2,118,704
EMBALMING MACHINE AND ASPIRATOR
Raymond B. Grentkowski, West Hazleton, Pa.
Application September 14, 1936, Serial No. 100,706
9 Claims. (Cl. 27—24)

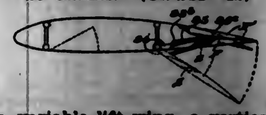


1. An apparatus of the kind described comprising a compressed air tank, a combined motor and compressor, connections between the compressor and said tank, automatic high and low pressure controls associated with the tank and



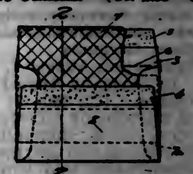
coacting with the motor for the stopping thereof, means for effecting selective activity of said controls, a plurality of fluid receptacles, and means for directing air under pressure from the tank to the receptacles.

2,118,705
AIRPLANE
Randolph F. Hall, Rochester, N. Y.
Original application October 23, 1933, Serial No. 694,266. Divided and this application September 19, 1935, Serial No. 41,213
26 Claims. (Cl. 244—42)



1. In a variable lift wing, a vertically swingable under trailing flap extending for the major portion of the wing span, ailerons on the wing forming trailing portions of the wing upper surface above said under flap at opposite outer portions of the flap span, a vertically swingable upper flap inboard of said ailerons above the under flap, and operative connections between the under flap and said upper flap for swinging the upper flap by vertical swinging of the under flap, said connections arranged to impart less angular movement to the upper flap than the angular movement of the lower flap.

2,118,706
DRY-SEALING ENVELOPE
Vincent E. Heywood, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application June 14, 1937, Serial No. 148,119
16 Claims. (Cl. 229—69)



1. An envelope having its body and a flap provided with areas of dry-sealing adhesive and a free portion extending from inside the envelope pocket for separating said dry-sealing adhesive areas when said flap is folded over for packing the envelope.

2,118,707
CONTINUOUS PROCESS FOR MAKING SHEETS OF MULTICELLULAR GLASS
Robert J. A. Ingenf, Kingsport, Tenn., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn., a corporation of New York
Application March 2, 1936, Serial No. 66,708
5 Claims. (Cl. 49—87)



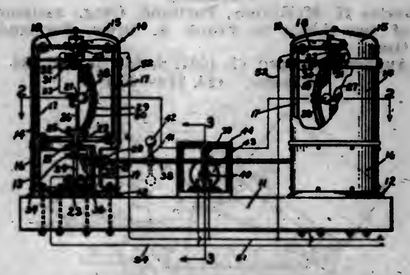
5. The hereinbefore described method, which comprises melting a glass containing a substance which at subatmospheric pressure gives off vapors when heated, forming a continuous dense sheet from the molten glass, rapidly cooling the sheet to a temperature below its softening point, continuously passing the sheet through a zone of heat and subatmospheric pressure to cause the sheet to assume a cellular condition, and annealing the sheet.

2,118,708
LIFE PRESERVER
Otho W. Johnson, Baltimore, Md.
Application December 23, 1935, Serial No. 55,915
3 Claims. (Cl. 9—17)



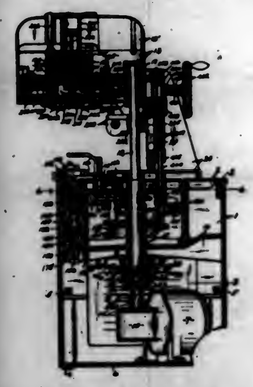
2. In a life preserver having a jacket having ends meeting in front of the wearer and buoyant sections secured to the jacket, a buoyant supply section secured to one end of said jacket, said supply section being split into opposite side portions and being provided with an article receiving cavity between said side portions, separate releasable fastening members attached to the inner and outer sides of the jacket at each of the ends, the fastening members attached to the side of the jacket next to the wearer serving to hold the jacket itself in position while the fastening members at the opposite side of the jacket extend across the said buoyant supply section whereby to hold the same in position against the wearer until needed and then to permit access to said supply section without releasing the jacket fastening member.

2,118,709
SIGNAL
States Lee Lebby, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application December 9, 1932, Serial No. 646,555
3 Claims. (Cl. 177—329)



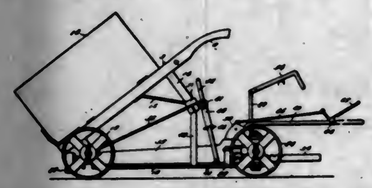
3. In combination, a railway crossing signaling unit comprising a pair of rotatable projectors normally in position to direct light beams toward a highway, a drive shaft for rotating said projectors, a motor having means associated therewith operated in response to its energization to drivably engage said shaft whereby to simultaneously rotate said projectors, and means for effecting the rotation of said projectors to their initial position whenever said motor becomes deenergized.

2,118,710
**BOTTLE CAPPING MACHINE**
Edward N. Lowry, Syracuse, N. Y., assignor, by mesne assignments, to William L. Broad, Syracuse, N. Y.
Application August 22, 1934, Serial No. 740,946
28 Claims. (Cl. 226—83)



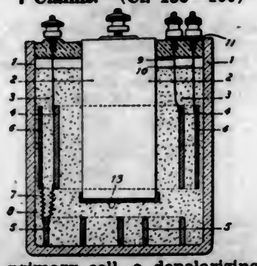
1. In a bottle-capping machine in which the cap blanks are of sufficient area to skirt the head and neck of a bottle when applied thereto, cap-folding means comprising two sets of break-down members arranged in axial spaced relation with each other for successive engagement with the skirt of the cap blank, means for producing relative movement of a bottle with a cap blank thereon and said members toward each other for bending the skirt of the cap blank over the head of the bottle and to plait said skirt with certain of said plaits in overlapping relation with the other plaits, separate means for folding said plaited skirt about the neck of the bottle, and a supporting enclosed case for the folding means adapted to protect said folding means from moisture.

2,118,711
**CARRIER**
Charles H. McKinney, Portland, Oreg., assignor of two-thirds to Frank E. Drew, Portland, Oreg.
Application April 17, 1937, Serial No. 137,581
6 Claims. (Cl. 214—65.4)



1. An attachment for hand trucks comprising a body plate provided at one end with hooks to engage over the axle of a hand truck, steering wheels secured to the rear of said body plate for supporting the latter, a supporting member pivotally secured at one end to the forward end of the body plate, and supporting legs for the supporting member pivoted to the latter adjacent the rear end thereof, said supporting legs being arranged to rest on the body plate.

2,118,712
**PRIMARY CELL**
René Oppenheim, Gennevilliers, France, assignor to Société Anonyme Le Carbone, Gennevilliers, France
Application April 4, 1934, Serial No. 718,981
In France December 12, 1933
7 Claims. (Cl. 136—100)



1. In a primary cell, a depolarizing insoluble electrode, with bottom insulated from electrolyte, a principal soluble electrode having an active face situated directly opposite an active face of the insoluble electrode and separated therefrom by a practically constant thickness of electrolyte, said principal electrode being entirely immersed in the electrolyte surrounding it on all sides, auxiliary soluble electrodes electrically connected to the principal electrode and also immersed in the electrolyte, but not situated opposite an active face of the insoluble electrode one of said auxiliary electrodes facing said insulated bottom.

2,118,713
**MANUFACTURE OF NITROGEN CONTAINING DERIVATIVES OF POLYMERIZED VINYL ESTERS OF HALOGEN FATTY ACIDS**
Herbert Rein, Leipzig, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 1, 1935, Serial No. 34,296. In Germany August 7, 1934
12 Claims. (Cl. 260—2)

1. A process of introducing nitrogen in a polymerized vinyl ester of a chloroaliphatic acid which comprises treating said polymerized vinyl-ester of a chloroaliphatic acid with an amine selected from the group consisting of primary secondary and tertiary amines.

2,118,714
**SHADE AND CURTAIN HANGER**
Aaron I. Ross, Decatur, Ill.
Application April 4, 1936, Serial No. 72,807
2 Claims. (Cl. 248—253)

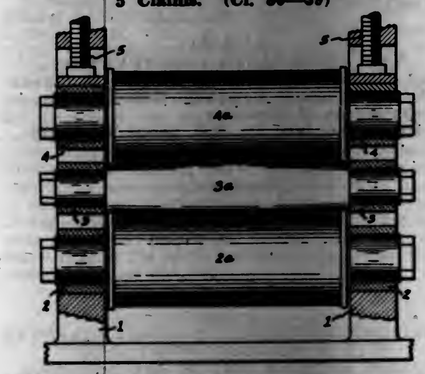


2. A curtain rod and shade supporting means comprising a pair of plates each having a right angular extension at one end thereof engageable over the end of a window frame, a tang carried by each extension, a hook carried by the opposite end of each plate, an outwardly offset portion carried by each hook, a contractile spring engaging the hooks of the plates in the offset portions



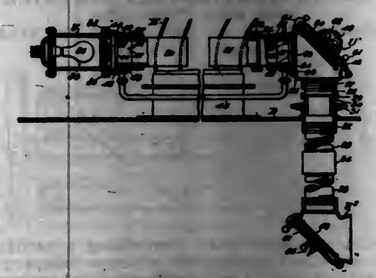
thereof and adapted to yieldably hold the plates in operative position on the window frame, each of said plates having an outwardly offset intermediate portion provided with a plurality of pairs of vertically disposed horizontally spaced apart slots therein, said slots being disposed with one member of each pair vertically spaced from the other member, at least two L-shaped supporting brackets engaging each plate, each bracket having one leg thereof disposed in face abutting relation to the offset portion of a plate and the other leg extending at right angles to the plate, and a bolt extending through said one leg of a bracket and through a selected slot in a plate.

2,118,715
**THREE-HIGH MILL**
William Stringham, Franklin, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application August 6, 1935, Serial No. 34,937
5 Claims. (Cl. 80—39)



1. In a three high mill having a middle roll which is convex in longitudinal section, upper and lower rolls having at the ends collars abutting against the middle roll and of a height such as substantially to compensate for the greater diameter of the middle roll at its central zone, when the mill is idle, for the purpose described.

2,118,716
**SMOKE INSPECTION DEVICE**
Robert Hudson Wager, Maplewood, N. J.
Application September 30, 1935, Serial No. 42,919
11 Claims. (Cl. 88—14)



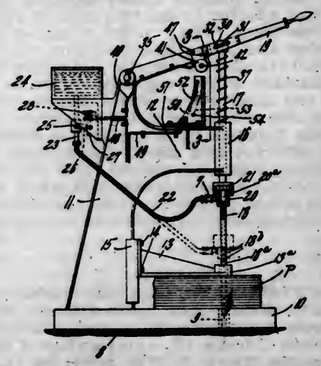
3. In a smoke inspection device, a vision passage and a light passage mounted in alinement with each other and both communicating with a smoke passage, each of said passages having an annular air chamber between its inner and outer peripheries and each having air outlets from said air chamber into its interior, and an air-conducting pipe placing the two air chambers in communication with each other, one of said chambers having an inlet for air under pressure, whereby the air discharged into said passages will prevent outflow of smoke therethrough.

2,118,717
**PAPER COVERED CASKET**
Byron E. White, Kalamazoo, Mich., assignor to Globe Casket Manufacturing Co., Kalamazoo, Mich.
Original application November 5, 1934, Serial No. 751,520. Divided and this application November 9, 1935, Serial No. 49,014
7 Claims. (Cl. 27—3)



1. In a paper covered wood casket, the combination of side and end walls having externally rounded upper and lower edge moldings and central panels provided with longitudinal outwardly opening upholstery receiving grooves, upright corner joint members, and upholstery of crepe paper pasted on said panels, moldings, and joint members with the edges thereof in said grooves and the pleats of the paper extending vertically with respect to the side and end walls, the grain of the wood in said side and end walls and in the upright joint members at the corners thereof extending in the same direction to eliminate differential expansion and contraction therein.

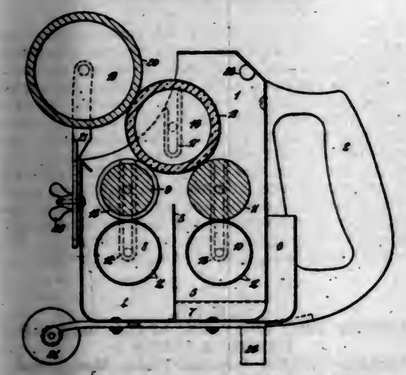
2,118,718
**MACHINE FOR SPOT-TREATING MULTIPLE FABRIC LAYERS**
Abraham White, Jamaica Plain, Mass., and Nathan Labovich, Brooklyn, N. Y.
Application April 2, 1937, Serial No. 134,690
2 Claims. (Cl. 101—26)



1. A machine for spot-treating substantially all the layers of a multiplicity of superposed fabric layers, comprising a substantially vertical hollow needle whose hollow extends substantially all the way from the top end of the needle to an outlet near the needle point and is constantly open from said top end to said outlet; means for

delivering a stream of treating fluid to the top end of said needle hollow, said means including a source of supply of treating fluid communicating by way of a pipe with the top end of said needle hollow and a normally closed valve between said source of supply and the top end of said needle hollow; means for causing said needle to advance through said multiplicity of superposed fabric layers; and means for opening said valve and keeping it open while said needle is passing through said layers so as to cause treating fluid to flow progressively from said source of supply by way of said pipe as a fine stream through said needle hollow and out through said outlet against each of said layers in succession.

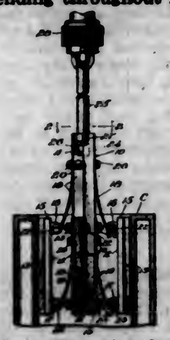
2,118,719
**COATING DEVICE**
Sverre Frithjof Wraal, London, England, assignor to Ardecor (Products) Limited, London, England
Application July 7, 1937, Serial No. 152,406
In Great Britain April 19, 1937
10 Claims. (Cl. 91—62.6)



1. A device for applying colour to surfaces comprising a casing, colour reservoirs at the base of said casing, transfer rollers mounted in said casing and adapted to dip into each of the said colour reservoirs, ridged rollers mounted in the said casing and in peripheral contact with each of the said transfer rollers, the said ridged rollers being provided with a series of ridges so as to receive and apply colour over a length different from the adjacent ridged roller, a common colour feed roller mounted in said casing in peripheral contact with the said ridged rollers from which it receives colours by contact with the ridges thereof, and an adjustably mounted colour applying roller which rotates in contact with the said feed roller and with the surface to be coloured.

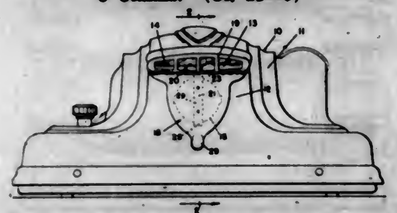
2,118,720
**CYLINDER SURFACING TOOL**
Herman W. Zimmerman, North Chicago, Ill., assignor to Automotive Maintenance Machinery Co., North Chicago, Ill., a corporation of Illinois
Application March 28, 1936, Serial No. 71,519
9 Claims. (Cl. 51—134.2)

1. In a tool of the class described, a body, elongated cylinder wall surfacing units, and separate spring means positively connected to said body and to the opposite end portions of said units and serving as the sole connecting support for said units upon said body, as well as to both expand and oppose contraction of said units, with said units each extending throughout its length sub-



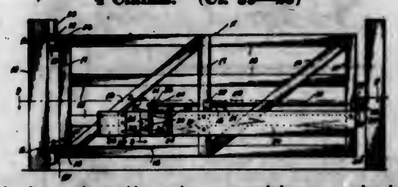
stantially parallel with each other and the axis of said body.

2,118,721
**VACUUM CLEANER CONSTRUCTION**
Alex Aitken, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application June 15, 1936, Serial No. 85,376
3 Claims. (Cl. 15—9)



1. In a vacuum cleaner, a housing having an opening through the front wall thereof and having a downwardly opening compartment at the front side of said wall, illuminating means in the compartment, a closure for the opening through the front wall of the housing comprising a cover plate having a slotted portion extending across the opening of the compartment to form a guard for the illuminating means, and means detachably securing the cover plate to the front wall of the housing.

2,118,722
**VEHICLE OPERATED GATE AND LATCH**
John Beck, Salem, Mo.
Application March 25, 1937, Serial No. 133,063
4 Claims. (Cl. 20—28)



1. An automatic gate, comprising a swinging gate carrying a sliding bolt, a keeper adapted to be engaged by said bolt, resilient guard members mounted on either side of said gate, buffing plates pivoted to said guard members and carrying cranks, said bolt adapted to be operated by said cranks, and said gate adapted to be opened when one of said buffing plates is pressed inwardly causing the crank to operate said bolt to release it from the keeper and permit the gate to swing open, said guard members cushioning the pivoted end of said gate from the impact of the vehicle.

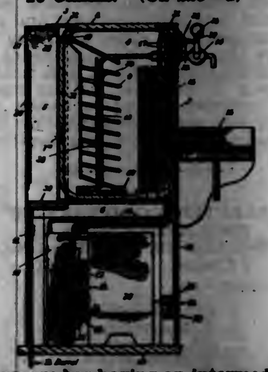


2,118,723
**CLAMPING BAND**
Robert L. Beggs, Norfolk, Va.
Application May 17, 1937, Serial No. 143,178
1 Claim. (Cl. 24—19)



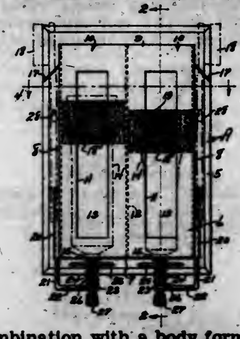
A clamping device of the class described comprising an elongated channel-shaped member of arcuate shape with its flanges extending outwardly from the convex face of the member, an angle member having one limb fitting in one end of the channel-shaped member and fastened therein, the other limb extending from between the flanges of the channel-shaped member and having a threaded opening therein, a second angle-shaped member having one limb loosely fitting in the opposite end of the channel-shaped member, a screw passing through the other limb of the second angle-shaped member into the threaded opening and a flexible band having its ends detachably connected to the outer ends of those arms of the angle members which fit in the channel-shaped member.

2,118,724
**BEVERAGE COOLING AND DISPENSING BAR**
Gilger Christo, Rochester, N. Y.
Application July 29, 1936, Serial No. 93,140
10 Claims. (Cl. 225—1)



1. A beverage bar having an intermediate cooling section an upper plane portion of which constitutes an uninterrupted flat horizontal part of a continuous upper service surface, said cooling section embodying a water tank located entirely below the latter in combination with a beverage coil of light transmitting material in the section, a tap at the rear thereof drawing from the coil, and a beverage source leading to the latter, said section being provided with a transparent wall located so as to expose the coil to the view of a patron of the bar.

2,118,725
**COLLAPSIBLE TUBE HOLDER**
Warren C. Craig, Little Rock, Ark.
Application July 19, 1937, Serial No. 154,489
1 Claim. (Cl. 221—69)



The combination with a body forming a magazine for a collapsible tube and having a perforated end accommodating a discharge nipple of said tube, of a pintle sleeve formed exteriorly on the body at one side thereof, a pintle arm rotatably fitting said sleeve and having an eye extension at substantially right angles thereto, a disk-like closure valve engageable with the tube discharge nipple exteriorly of the body and having a stem slidably fitting the eye extension, a coiled tensioning spring about the stem and seated against the eye extension and the said valve for holding the latter against the said nipple on the turning of the eye extension in one direction, and a knurled head formed on the stem and depending with relation to the eye extension.

2,118,726
**MATCH BOOK**
Edward D. Edwards, Washington, D. C.
Application May 11, 1936, Serial No. 79,128
3 Claims. (Cl. 206—29)

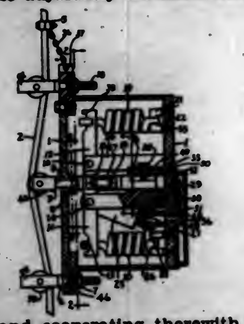


1. A match book of the character described characterized by having the back of the book provided with a sight window, and an auxiliary flap secured at one end to the cover flap of the book, and said auxiliary flap having at a free end thereof and on one side thereof a striking surface movable with the auxiliary flap and the cover flap into an exposed position opposite the window when the cover flap is moved to a closed position, and to a position above the window when the cover flap is moved to an open position so as to be inaccessible when the match book is open.

2,118,727
**WEIGHT INDICATING DEVICE**
Vaughan D. Manes, Duncan, Okla.
Application April 13, 1936, Serial No. 74,154
3 Claims. (Cl. 265—1.6)

5. A weight indicating device for load carrying cables comprising a rod mounted for slidable

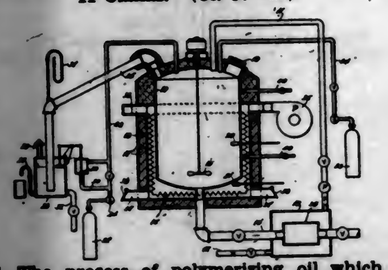
movement, bifurcated fixed bearing means, lever means journaled between the bifurcated portions of the bearing means, and linked to the rod, spring means connected to the lever means for urging the rod in one direction, adjustably mounted cable receiving means, cable receiving means carried by the rod and arranged with respect to the adjustably mounted cable receiv-



ing means and cooperating therewith for normally deflecting the cable to cause the latter to move the rod in an opposite direction when the cable is under tension, indicating means including a removable dial, and means of connection between the rod and the indicating means for actuating the latter when movement is imparted to the rod.

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**2,118,728**
**PROCESS OF AND APPARATUS FOR POLYMERIZING OILS**
James C. Harris, Jr. and George Sutherland, Baltimore, Md.
Application November 4, 1935, Serial No. 48,240
11 Claims. (Cl. 87—12)

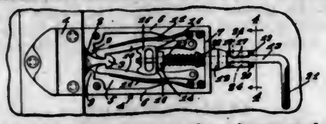


1. The process of polymerizing oil which is characterized by heating a batch of the oil in a closed kettle; automatically maintaining the temperature difference between the source of heat and the oil below a predetermined maximum to prevent carbonization of the oil; automatically cutting off the supply of heat when the oil has reached the polymerizing temperature; artificially cooling the oil to extract excess heat due to the exothermic reaction in the oil after the supply of heat has been cut off; and maintaining an atmosphere of inert gas above the oil throughout the treatment.

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**2,118,729**
**SLIDING DOOR FASTENER**
James E. Hogan, Augusta, Ga.
Application July 7, 1936, Serial No. 89,285
6 Claims. (Cl. 292—27)

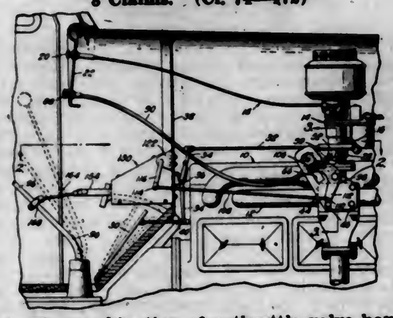
1. A fastener for sliding doors, comprising pivotally mounted spring pressed latch arms cooperating to receive a keeper means, spring pressed handled means mounted for longitudinal movement between the arms to separate the latter



to release the keeper means therefrom, and means for holding the releasing means in either operative or inoperative positions.

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**2,118,730**
**SPEED CONTROL**
Robert J. Kalbreier, Chicago, Ill.
Application April 7, 1937, Serial No. 135,551
3 Claims. (Cl. 74—472)



1. The combination of a throttle valve having stop means, manually actuated means connected with the throttle valve for operating the same, a support, companion stop means movably related to said support for co-operation with said first stop means, to limit the open position of the throttle valve, gear shifting means movable to different positions, an operating connection between said gear shifting means and said companion stop means so constructed and arranged as to move the companion stop means into operative relation with said first stop means in one position only of the gear shifting means, and manually actuated means connected with the companion stop means for adjusting the same, to vary the open position of the throttle valve.

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**2,118,731**
**ELECTRIC CORD TAKE-UP**
Helen Knott, Chicago, Ill.
Application June 22, 1936, Serial No. 86,662
2 Claims. (Cl. 173—361)



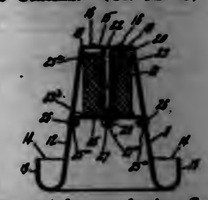
1. A device of the type described comprising a spool having spaced flanges and an interconnecting reach, said reach being grooved and said groove passing through one of said flanges, electric contacts carried by the other of said flanges, an electric cord lying in said groove and wound upon said reach, one end of said electric cord being connected with said electric contacts, a tubular shell having a closed end provided with



an opening, said tubular shell enclosing the said one flange and said interconnecting reach and detachably connected with the said other flange, the opening in said tubular shell being aligned with the groove extending through the said one flange and constituting an outlet for the other end of the cord.

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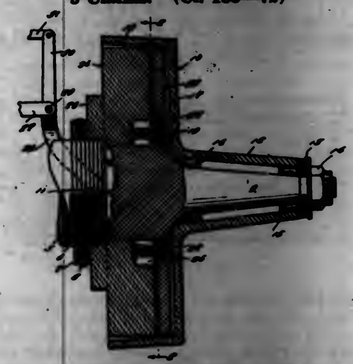
**2,118,732**
**VIBRATING INSTRUMENT FOR PRODUCING FLOCKED ARTICLES**
Isidor Kruger, Newton, Mass.
Application December 3, 1936, Serial No. 114,060
3 Claims. (Cl. 91—8)



1. An instrument for producing flocked articles comprising a pair of spaced supports, a vibratile member bridging said supports and fixed thereto, said member being free to vibrate between said supports, a solenoid arranged under said member, said member including integral therewith an electromagnetic piece projecting downwardly therefrom part way into said solenoid, a second electromagnetic piece fixed within said solenoid with its upper end normally slightly spaced from and confronting the lower end of said first-named electromagnetic piece, and means for supplying a pulsating electric current to said solenoid and thereby causing oscillation of said first-named electromagnetic piece and vibration of said vibratile member.

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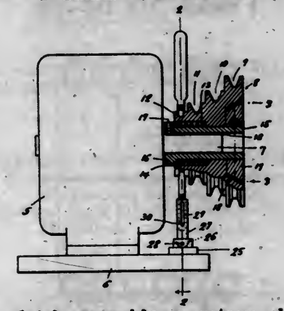
**2,118,733**
**VEHICLE BRAKE**
William K. Line, Butte, Mont.
Application February 24, 1937, Serial No. 127,498
5 Claims. (Cl. 188—72)



1. In a brake construction of the class described, in combination, an axle including a body having a screw-threaded portion, a spindle portion and an intervening ribbed portion, a hub unit including a sleeve surrounding the spindle, and a cup-like brake drum surrounding the ribbed portion in concentric relation, an adapter ring keyed on said ribbed portion and opposed to the disk-like part of said brake drum, a ring-like brake band surrounding the adapter ring, and opposed in parallelism to the disk-like portion of the drum and confined within the perimeter of the drum, a spring pressed annular brake shoe slidably keyed on the ribbed portion of said axle and having its major portion confined within the brake drum and opposed to said adapter ring and brake band, and coiled springs interposed between the adapter ring and adjacent portion of the shoe.

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**2,118,734**
**PULLEY CLUTCH**
Albert E. McGowan, Carlisle, Pa.
Application June 7, 1937, Serial No. 146,916
1 Claim. (Cl. 192—66)



In a clutch assembly, a rotary element, a clutch member fixedly secured to the rotary element, a slidable clutch element on the rotatable element, spring means on the rotatable element for forcing the slidable clutch element into engaged relation with the fixed clutch element, said slidable clutch element being provided with a circumferential groove, manual control means for sliding the slidable clutch element, said manual control means consisting of an elliptical frame-like structure disposed around the grooved portion of the slidable clutch element and provided at its upper end with an upstanding handle and at its lower end with an extension and means for swingably supporting the lower end of the extension, said means for swingably supporting the lower end of the extension consisting of a stationary upstanding tubular member provided with a longitudinal slot therein, said tubular member being adapted to receive the extension, and a pin on the extension for slidable disposition in the said slot of the tubular member.

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**2,118,735**
**REFRIGERATOR**
Roland H. Money, Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application January 15, 1935, Serial No. 1,969
2 Claims. (Cl. 62—89)

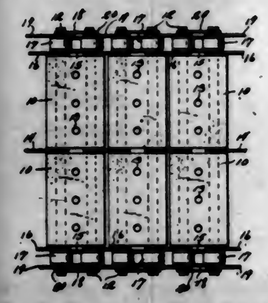


1. In a domestic refrigerator having an undivided food compartment, a refrigeration unit in

the upper portion of said food compartment and a door for said compartment, a plate hingedly mounted on a horizontal axis at the front portion of the bottom of said food compartment, and means for retaining said plate in an erect position, said plate being of a size to extend substantially across said food compartment and of a height to terminate near but below the lower portion of said refrigeration unit, and means for retaining said plate in horizontal position when said door is open so that said plate may act as a temporary shelf.

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**2,118,736**
**CONVEYER FOR HOT BOTTLES**
**Earl R. Odom, Marion, Ind.**
**Application September 4, 1937, Serial No. 162,533**
**4 Claims. (Cl. 198—195)**



1. A conveyer for hot bottles, including blocks of refractory material approximately rectangular in cross-section and having flat outer faces, the blocks having bores extending longitudinally through the blocks, transversely extending pins extending loosely through said blocks from end to end and housed within said bores and projecting from the ends of the blocks, links connecting the pins of adjacent blocks, and rollers carried on said pins.

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**2,118,737**
**HAIR CURLER**
**Carl W. Renstrom, Omaha, Nebr.**
**Application January 11, 1933, Serial No. 184,459**
**6 Claims. (Cl. 132—41)**

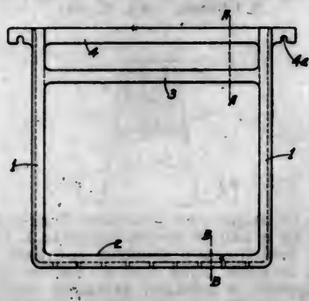


1. A roller for coacting with an end of a hair curler to secure clamp means thereof in hair-clamping position, the roller being polygonal.

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**2,118,738**
**DEVICE FOR HOLDING CUT PHOTOGRAPHIC FILMS FOR DEVELOPING AND FIXING**
**John C. Rieger, Louisville, Ky.**
**Application June 4, 1937, Serial No. 146,331**
**1 Claim. (Cl. 95—100)**

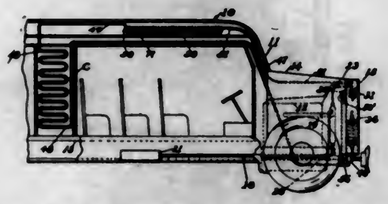
In a device of a non-metallic, plastic material, for holding cut photographic films for developing and fixing,—a strong, rectangular, symmetrically-formed film-holder; a horizontally-disposed bottom-member therein, smooth all along both outer sides thereof and provided with ample facilities for the efficient drainage of any fluids therefrom; an integral side-member of similar shape smooth on both sides, extending upward a predetermined distance at right angles from each end of said bottom-member in the same plane therewith; a hanger-beam smooth on both sides arranged parallel with said bottom-member and integrally connected flush with the backsides of said side-members at the upper ends thereof; a continuous unbroken channel along the insides of said bottom-member and said side-members, open along the inside thereof; full, smooth convexly-rounded inner sides along the entire length of said channel; convex-



ly-rounded bevels along the upper inside edge of said hanger-beam and the inner edges of the tops of said channels, for the easy entrance of a photographic film therein; a short distance below said hanger-beam and parallel therewith, a pair of smooth, parallel throat-beams extending across from one side-member to the other and integrally-connected therewith, flush with outsides thereof, to prevent snagging adjacent films and film-holders in a developing tank; and full, smooth convexly-rounded bevels along the insides of both said throat-beams, merging in convexly-rounded bevels into said channel in said side-members; as described.

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**2,118,739**
**COOLING SYSTEM**
**Joseph Schulman, New York, N. Y.**
**Application July 22, 1936, Serial No. 91,833**
**1 Claim. (Cl. 62—119.5)**



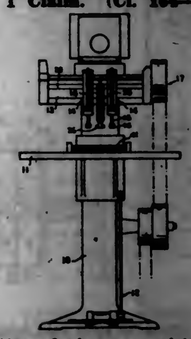
A cooling system for a vehicle wherein waste heat is developed as a result of supplying energy to run the vehicle engine, comprising an absorption type of refrigerating system operated by the waste heat, said system including an absorber and condenser, air-circulating means including an exhaust fan for cooling the absorber and condenser, a receptacle, an evaporator in the receptacle and operatively connected with the condenser and absorber, said receptacle adapted to contain a fluid to be cooled by the evaporator, a pipe line in the vehicle and having a return in said



receptacle, and a pump connected between said receptacle and said pipe line for circulating the cooled fluid through the pipe line, said fan and pump being driven by the vehicle engine.

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**2,118,740**
**CUTTING ATTACHMENT**
**William J. Schaefer, Paterson, N. J.**
**Application May 25, 1937, Serial No. 144,710**
**1 Claim. (Cl. 164—59)**

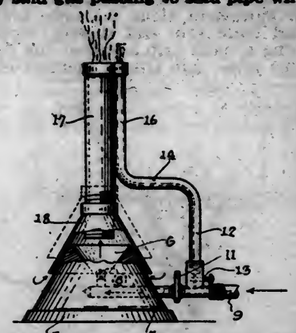


In a cutting device comprising a relatively fixedly positioned headstock having a horizontally extending guideway on a face thereof, the improvement which comprises a block-like member, adjustable jaw elements carried on said member adapted to receive and engage with portions of said guideway whereby said member can be laterally moved thereon, means for moving said jaw elements whereby sliding movement of said member on said guideway can be controlled; a vertically adjustable cutter element mounted on said member by means including a vertically positioned rib formed on a portion of said element slidably receivable in and engageable with a slot formed in a face of said member whereby, during and subsequent to adjustment, the angle determined by said cutter element and said guideway is unchanged, said cutter element comprising a bar-like member terminating at one end in a cutting surface consisting of a pair of spaced essentially parallel knife edges positioned in a common plane intersecting a third knife edge at right angles; and means for slidably adjustably mounting a presser foot on said block-like member and said cutter element which comprises a pair of extensions, one formed on and projecting from said member and similarly on and from said element, said extensions having coaxial aligned openings formed therein, a presser foot rod slidably mounted in said openings and a spring-pressed collar mounted on said rod between said extensions normally tending to move said rod downwardly.

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**2,118,741**
**BURNER**
**Melford B. Smith and Edward E. Carlson, San Francisco, Calif., assignors of one-fourth to David A. Sampson, San Francisco, Calif.**
**Application March 30, 1936, Serial No. 71,748**
**1 Claim. (Cl. 158—111)**

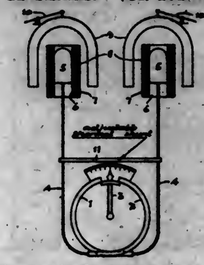
In a device of the character described, a conical base having an outwardly flaring bore therein, a pipe mounted above and spaced from said bore and in axial alignment therewith, a cone-shaped shell carried by said pipe and axially adjustable to and away from said cone-shaped base, the bore of said base forming with said shell a mixing chamber, means for delivering gas to said bore, whereby said gas passing to said pipe will mingle



with air entering circumferentially between said shell and said cone.

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**2,118,742**
**THERMAL RESPONDING INDICATOR**
**Robert R. Sprole, Ithaca, N. Y., assignor to Paul M. Lincoln, Ithaca, N. Y.**
**Application April 30, 1934, Serial No. 77,169**
**11 Claims. (Cl. 171—95)**



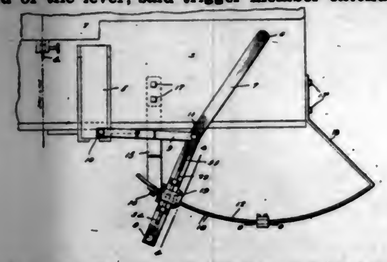
1. In a thermal electric meter, the combination with an indicator, oppositional means controlled by thermal influence for operating said indicator, and means for translating electrical to thermal energy, of means for controlling the relative effectiveness of the produced thermal energy on the oppositional means to bring said indicator to a neutral position under an equalised application of electrical energy to said translating means.

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**2,118,743**
**GUIDE SETTING MECHANISM**
**Robert W. Stewart, Apalachicola, Fla.**
**Application July 14, 1937, Serial No. 153,667**
**2 Claims. (Cl. 143—174)**

1. In a rip saw machine, including a stock supporting table, and a stock guide laterally settable in opposite directions, guide setting means including a hand lever pivoted at one end on the table for horizontal swinging movement and operatively connected to said guide, said lever having a hand grip end, a toothed arcuate detent bar mounted on said table for swinging movement of said lever thereover, a detent dog comprising an arm overlying said lever transversely and a right angled tooth-engaging end depending therefrom along-side said lever, said arm being pivotally mounted on said lever to engage said end with said toothed bar by gravity, means for elevating said arm and thus disengaging said

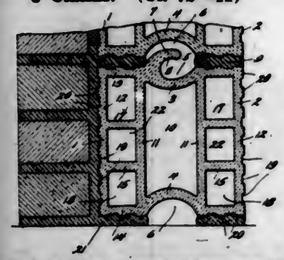
end from the toothed bar comprising a bar-like trigger member slidably mounted on top of said lever for movement along the same toward and from said hand grip end thereof, respectively, and having a hand grip adjacent the hand grip end of the lever, said trigger member extending



underneath the arm of said dog and having an upper cam face coacting with said arm to elevate the latter upon movement of said trigger member in one direction, and means tensioning said trigger member against movement in said one direction.

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2,118,744
TILE
Archie J. Streat, Richmond, Va.
Application January 10, 1936, Serial No. 184,293
3 Claims. (Cl. 72—41)

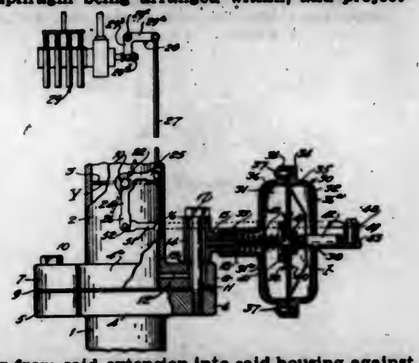


1. A building tile comprising spaced wall sections of any desired height and width, and top and bottom connecting webs forming longitudinal grooves at the top and bottom of the tile, the top web being provided at one side of the tile with a finger grip extension extending upwardly and inwardly above the top groove and having a lower approximately hook shaped finger receiving surface overhanging the dead center of the tile and adapted to enable the tile to be lifted and handled solely by the fingers of one hand, said finger grip extension projecting above the top of the tile sufficiently to extend above the joint between two superposed tiles and form a water break to prevent water from working from the outer side of the tile to the inner side thereof.

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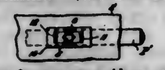
2,118,745
AUTOMATIC FEED AND VACUUM CONTROLLING DEVICE
Albert O. Tadewald, La Crosse, Wis.
Application September 20, 1937, Serial No. 164,828
4 Claims. (Cl. 123—103)

1. In an automatic feed and vacuum controlling device for internal combustion engines, a structure providing a fuel conducting passage leading from a carbureter to the intake manifold of the engine, a rotatable unit journaled in said structure and including a vacuum controlling valve arranged in said passage, said structure including a vacuum conduit opening at one end into said passage between said valve and said intake manifold, a housing including a tubular extension connected to said structure and opening into the other end of said conduit, a spring controlled vacuum operated diaphragm arranged in said housing, the controlling spring for said diaphragm being arranged within, and projecting from said extension into said housing against the diaphragm, said structure including an adjustable intake nipple for said conduit bearing against and providing for calibrating said spring, and an oppositely movable shiftable means for rotating said unit in opposite directions operated from and connected to said diaphragm, extended outwardly from said housing and connected to said unit.



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2,118,746
MEANS FOR ORNAMENTING
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application May 10, 1937, Serial No. 141,811
2 Claims. (Cl. 41—34)

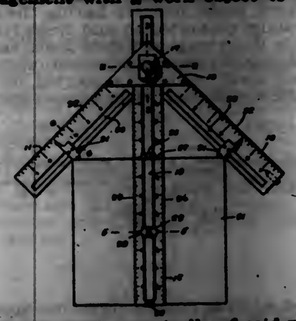


1. In the art of ornamenting, means for ornamenting a supporting surface comprising, hardened plastic trim material formed to the selected decorative configuration with an integral connecting stud having a cutaway portion and receivable in an opening in the supporting surface, and securing means comprising a yieldable element engaging the stud at points other than the said cutaway portion to prevent loosening and reverse movement thereof from applied position thereby retaining the plastic trim material on the supporting surface to embellish the same and create an artistic appearance, said connecting stud being removable from applied position upon relative movement disposing said yieldable element of the securing means in the area of the said cutaway portion thereof.

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2,118,747
GEOMETRICAL INSTRUMENT
Berford C. Vest, Llano, Tex.
Application June 30, 1937, Serial No. 151,237
2 Claims. (Cl. 33—191)

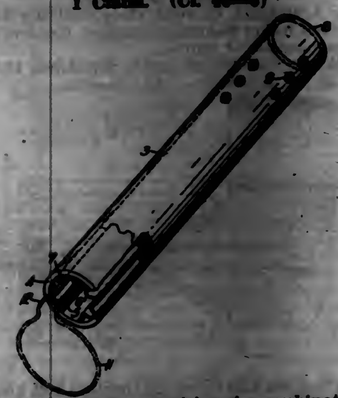
1. An instrument of the class described, comprising, anti-parallel arms forming a croth, a bisector member adjustable in said crotch and having a work-object engaging member, a diameter-finding member mounted on the bisector member, a center-finding member mounted on said bisector member, means carried by said arms and adjustable thereon to coinciding positions for engagement with a work object to position



said bisector member centrally of said work-object whereby adjustment of said diameter-finding member relative to said object engaging member indicates the position of said center-finding member.

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2,118,748
BUBBLE BLOWER
Robert F. Warham, Oakland, Calif., assignor to John Robert Warham, Oakland, Calif., and Muriel Johnson Taylor, Berkeley, Calif.
Application June 15, 1937, Serial No. 148,333
1 Claim. (Cl. 46—6)

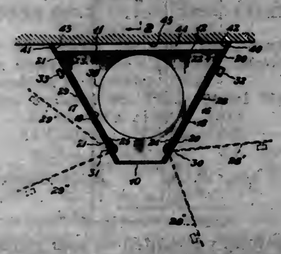


A bubble blower comprising, in combination, a tube having open ends, said tubing adjacent one end thereof being provided with a plurality of apertures extending through the walls thereof for venting the interior of the tube to the atmosphere, a piece of corrugated sheet material bent to annular form and inserted in the other end of said tube, said corrugations of the sheet material cooperating in conjunction with the inner periphery of the tube to provide a plurality of passages in and opening at the end of the tube, and a wire member bent to form a loop positioned at the end of said tube, said wire member having arms extending therefrom slidably engaged in said passages.

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2,118,749
LAMP
May Wehver, Lakewood, Ohio
Application February 2, 1937, Serial No. 123,662
6 Claims. (Cl. 240—73)

1. In a lamp adapted for mounting against a substantially vertical surface or wall between two adjacent reading positions, a source of light in a substantially opaque enclosure, one side of said enclosure having a light transmitting opening therein, said side having a hinged door of opaque material adapted when closed to cover completely said light transmitting opening, said door being mounted on a substantially vertical hinge near the front of said enclosure, a second side substantially the same as said first-named side, and



located substantially on the opposite side of said source of light from said first-named side, and means for mounting said lamp with its back substantially against said vertical surface, whereby the doors of said two sides are independently adjustable to any one of several positions between completely closed and completely open and each is adapted to confine the light to an area of varying size and location depending upon the amount the door is open.

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2,118,750
BELT CONNECTER
George I. Welsh, Dixon, Ill.
Application November 6, 1935, Serial No. 48,596
2 Claims. (Cl. 24—33)



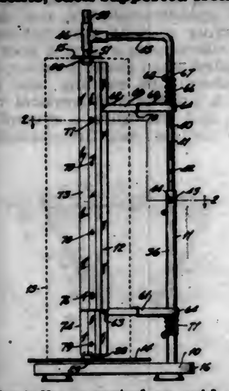
2. In a power transmission belt of the V-type, a coupler element comprising an originally T-shaped strap, one reach of said strap being provided with an opening and bent back upon itself to bear against two opposite sides of the belt, the bend in the said one reach extending beyond the end of the belt to provide anchorage for a connecting link, the other two reaches of said coupler element being arranged at right angles to the said one reach and bent to embrace two opposite sides of the belt, the ends of the said other reaches being bent and passed through said opening and imbedded in the material of the belt, and a separator driven between the portions of the said other reaches imbedded in the belt.

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2,118,751
PAPER CUTTER
Leon B. Wolfson, Columbus, Ga.
Application August 16, 1937, Serial No. 159,440
7 Claims. (Cl. 242—55.5)

1. A device of the class described comprising a supporting structure, a standard comprising at least two relatively movable telescoping members secured to said structure, relatively movable rotatable members carried by said structure and by said standard and arranged to rotatably support

a roll of paper, and at least two relatively slidable, cutter elements, each supported from said stand-



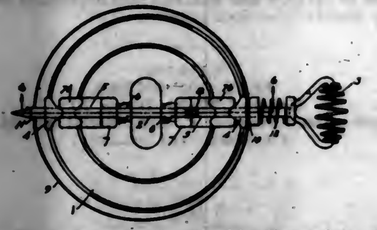
ard and pivotally mounted on said standard and arranged to yieldably contact said roll of paper.

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2,118,752
**DAMPER**

Carl E. Andersen, Erie, Pa., assignor to The Griswold Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

Application March 2, 1937, Serial No. 128,823
2 Claims. (Cl. 126—292)



1. In a damper, the combination of a pipe having damper rod perforations therein; a damper rod having a shoulder formed by a bend in the rod extending through the perforations in the pipe; and a damper plate having a passage for receiving the rod, said passage having space for the entry and turning of the shoulder, and a locking seat for the shoulder when turned, said shoulder being spaced from the adjacent edge of the damper a distance at least equal to the penetration of the rod through the opposite side of the pipe, the rod having a length from the rear of the shoulder to the end of the rod not greater than the diameter of the pipe whereby the entering of the shoulder through the pipe perforation may be completed without interference between the end of the rod with the outgoing wall of the pipe.

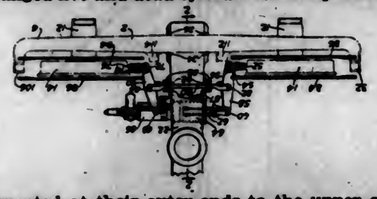
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2,118,753
**CLASP BRAKE**

Walter H. Bassett, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application December 28, 1935, Serial No. 56,514
27 Claims. (Cl. 188—56)

1. In a clasp brake rigging for four wheel railway car trucks, the combination of a truck frame, dead truck levers supported on said frame outwardly of the wheels, live truck levers supported from said frame intermediate the wheels, straps connecting the live and dead levers for each wheel, brake heads pivotally and adjustably supported from the lower ends of said live and dead truck levers, brake hangers having their upper ends pivotally connected to said truck frame intermediate the wheels and their lower ends connected to said live levers at the said pivotal point where said brake heads are supported, diagonally arranged live and dead cylinder levers operatively



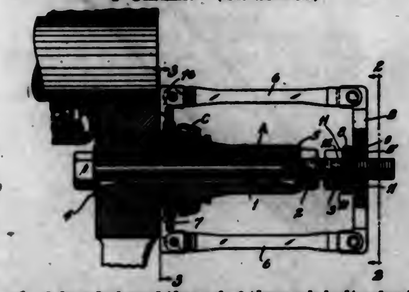
connected at their outer ends to the upper ends of said live truck levers and connected intermediate their ends by a pull rod, and power means integrally formed within said truck frame and comprising an actuating member connected to said live cylinder lever at one end of said power means and slack adjusting means mounted at the opposite end of said power means, said slack adjuster being pivotally and adjustably connected to said dead cylinder lever.

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2,118,754
**BEARING PULLER**

Henry A. Bergert, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application March 29, 1937, Serial No. 133,526
4 Claims. (Cl. 29—85)



1. A headed and threaded through bolt adapted to extend through the bore of a crank pin, a nut with a threaded bore extending therethrough, said nut working on said bolt to removably fix said bolt on said pin, a pulling device movable endwise of said bolt and adapted to engage a bearing member on said crank pin, a second nut with a threaded bore extending therethrough, said second nut working on said bolt and a roller thrust bearing between said second nut and said pulling device.

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2,118,755
**PROCESS AND APPARATUS FOR MOUNTING CRANKPINS AND THE LIKE**

Henry A. Bergert, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application March 29, 1937, Serial No. 133,527
3 Claims. (Cl. 29—89)

1. Apparatus for use in mounting crank pins and the like, said apparatus comprising a conical



wedge member with a cylindrical axial bore, arcuate sector-shaped members arranged in a circular series around said conical member with their inner surfaces fitting said wedge member



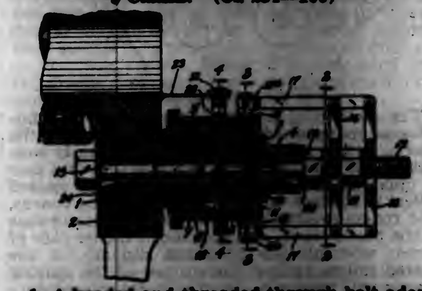
and their outer surfaces adapted to frictionally grip the pin seat, and a pilot bar comprising a cylindrical end portion fitting the bore of said wedge member and a thicker portion fitting the bore of said pin.

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2,118,756
**APPARATUS FOR USE IN EFFECTING ADJUSTMENTS OF ROLLER BEARING PARTS**

Henry A. Bergert, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application March 29, 1937, Serial No. 133,528
5 Claims. (Cl. 254—100)



1. A headed and threaded through bolt adapted to extend through the bore of a crank pin or the like, a washer thereon adapted to bear against the end of said pin, a nut on said bolt adapted to press said washer against the end of said pin, cross beams having openings through which said bolt extends, a second nut on said bolt between said beams adapted to bear against said beams selectively, a clamping ring having means whereby it may be clamped to an outer raceway member and means for connecting said ring to said beams to move therewith.

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2,118,757
**ELECTRIC MOTOR**

Carl O. Bergstrom, Boston, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass.

Application November 27, 1934, Serial No. 754,991
Renewed January 5, 1937
4 Claims. (Cl. 172—275)



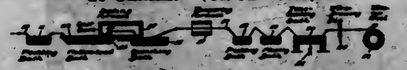
1. An induction motor of the type having a revolving magnetic field flux comprising a magnetic rotor, a stator around said rotor having a plurality of portions through which the revolving field flux travels around said rotor, one of said portions of said stator being closely spaced from the surface of said rotor and another portion of said stator being spaced a substantial distance from said rotor, and field windings each having a plurality of turns, on said stator on opposite sides of said rotor for producing the magnetic field.

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2,118,758
**PROCESS OF MAKING ZINC-COATED FERROUS WIRE**

Frederick M. Crapo, Muncie, Ind., assignor to Indiana Steel & Wire Company, Muncie, Ind., a corporation of Indiana

Application October 25, 1935, Serial No. 46,782
In Canada June 5, 1934
10 Claims. (Cl. 91—70.2)



1. The process of treating a steel wire which contains less than 0.50% carbon, and which contains less than 0.30% manganese when the carbon exceeds 0.25%, which consists in subjecting said wire to an elevated temperature under conditions which produce on its surface by chemical change a permeative addition of material of the class consisting of carbon and nitrogen and phosphorus, thereafter quenching the wire from a temperature at least as high as the Ac1 critical temperature in a liquid medium having a temperature below the melting point of lead, and then zinc-coating it by the hot-dip process.

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2,118,759
**HEATING SYSTEM AND CONTROL MEANS THEREFOR**

Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application March 9, 1934, Serial No. 714,744
13 Claims. (Cl. 200—139)



1. A control device, comprising a base member, a support projecting from said member, a contact member fixed to said support, a supporting post on said base member, an adjustment lever pivotally supported at one end on said post, an adjustment member engaging said lever, a spring having one end fixed to said post and having its other end bearing against said lever to urge said lever into engagement with said adjustment member, a bimetal switch blade carried by the other end of said lever and extending longitudinally thereof, a contact member carried by the free end of said blade and cooperable with said fixed contact member, and means for adjusting the position of said blade relative to said lever.

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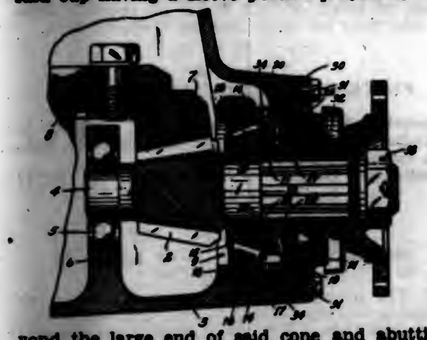
2,118,760
**ROLLER BEARING**

Paul J. Ernst, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application July 3, 1936, Serial No. 88,711
2 Claims. (Cl. 308—214)

1. The combination of an axle having an outwardly facing shoulder, a housing therefor having an outwardly facing internal shoulder and

a duplex taper roller bearing interposed between said axle and said housing, said duplex bearing comprising a bearing cone on said axle abutting at its large end against said shoulder, conical rollers between said cup and said cone, said cup having a sleeve portion projecting beyond the large end of said cone and abutting against said internal shoulder, an annular thrust plate mounted in the end of said sleeve portion, taper thrust rollers interposed between said thrust plate and the end face of said cone, said annular thrust plate constituting a sealing ring for said axle.



2,118,761
INTERNAL COMBUSTION ENGINE
Clarence L. Johnson, Waukegan, Ill., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill., a corporation of Indiana
Application August 12, 1936, Serial No. 95,869
26 Claims. (Cl. 123—59)



1. In a two cycle engine, a pair of engine cylinders, a crank shaft enclosing chamber for each of said cylinders, a crank shaft enclosed within said crank shaft enclosing chamber, a rotary valve connected with said crank shaft, said rotary valve being positioned between said chambers and forming a distributor for the opposite compression chambers, means for supplying a fixed amount of fuel to the compression chambers, and means for supplying a variable amount of fuel through the rotary valve to the compression chambers.

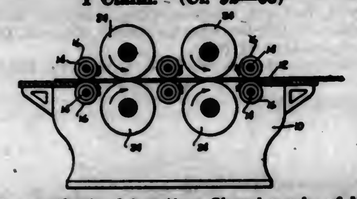
2,118,762
MACHINE FOR MAKING TAPERED CEMENT ASBESTOS SHINGLES
Arthur G. Leonard, Jr., Wilmington, Ill., assignor, by mesne assignments, to The Lehon Company, Chicago, Ill., a corporation of Illinois
Application July 3, 1936, Serial No. 88,759
14 Claims. (Cl. 92—41)

1. In apparatus for making shingle stock of tapering formation from an asbestos mixture, the combination with a roll on which said stock is formed by the accumulation of several layers of web formed from said mixture, of means for applying a cement coating to one surface of the web at spaced locations along the length thereof, said coatings increasing the thickness of said web and being spaced so that two coatings occur within a length of web equal to the circumference of the accumulation roll.



2,118,763
BURNISHING OF FIBERBOARDS
William H. Mason, Laurel, Miss., assignor to Masonite Corporation, Laurel, Miss., a corporation of Delaware
Application December 24, 1936, Serial No. 117,467
1 Claim. (Cl. 92—63)

The method of treating fiber boards of ligno-cellulose material which consists in travelling the boards in one direction and simultaneously subjecting the moving boards to the action of a pair of opposed, smooth surfaced and highly heated rollers in contact with the surfaces of the boards, said rollers revolving in a direction opposite that of the board travel and at a much higher rate of speed, whereby the frictional slippage of the heated rollers against the surface of the moving boards will impart a smooth, glossy, closed surface of increased density to said ligno-cellulose boards while retaining substantially all of the original materials of which the boards are made.



2,118,764
MOLD CONSTRUCTION
Henry E. McWane, Lynchburg, Va.
Application October 13, 1934, Serial No. 748,229
3 Claims. (Cl. 22—151)



1. In a casting apparatus, a mold having a cavity, a permanent core located in the cavity, said core being provided with a stem pivoted to the mold, and means for resiliently maintaining the core at a predetermined position in the cavity.

2,118,765
ELECTRODE FOR ELECTRIC DISCHARGE TUBES
Carl F. Miller, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application October 6, 1937, Serial No. 167,490
7 Claims. (Cl. 250—27.5)

6. A radio tube mount including an electron-emitting cathode, a tubular plate electrode enveloping said cathode, said plate having a plurality of tongues struck out therefrom and bent back against the face of the plate to project beyond the edge thereof each of said tongues having a shoulder also projecting beyond the plate edge, and an insulator spacer member having a plurality of openings through which said tongues project and being seated against said shoulders.



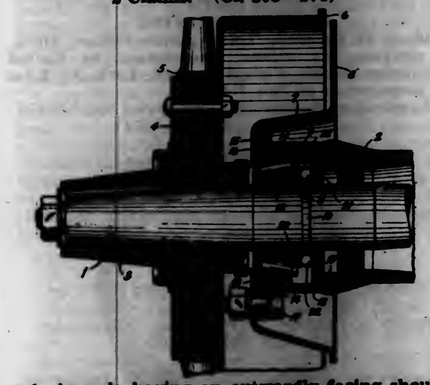


2,118,766
TREATMENT OF HYDROCARBON OILS USING SULPHONYL HALIDES
Josef Meos and Hans Rasmus, New York, N. Y., assignors to Edeleanu Gesellschaft, m. b. H., a corporation of Germany
No Drawing. Application December 19, 1936, Serial No. 116,818. In Germany July 16, 1936
19 Claims. (Cl. 196—13)

1. The process which comprises extracting hydrocarbon oils at suitable temperatures with a selective solvent of the class consisting of organic sulphonyl halides having the general formula $R—(SO_2Hal)_n$ in which R stands for an aliphatic or aromatic radical, effecting a separation into two layers, separating the layers from each other and recovering the solvent therefrom.

15. A process for dewaxing hydrocarbon oils which comprises diluting the oil with ethyl sulphonyl chloride and an auxiliary solvent which is completely miscible with the oil at the dewaxing temperature.

2,118,767
ROLLER BEARING
Russell P. Preflitt, Chicago, Ill., assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application March 30, 1936, Serial No. 71,587
2 Claims. (Cl. 308—174)



1. An axle having an outwardly facing shoulder, a housing therefor having an outwardly-facing internal annular seat inwardly beyond said axle shoulder, a radial type taper roller bearing interposed between said axle and said housing, the outer bearing member being mounted in the end of said housing and the inner bearing member of said taper roller bearing being seated on said axle with its large end against said axle shoulder, the end face of said large end of said inner bearing member having an annular ball raceway formed therein, an annular thrust plate seated in said housing against said internal seat and having an annular ball raceway, an annular series of balls mounted in said raceways and positioning means secured to said housing and engaging the outer end of said outer bearing member.

2,118,768
ENGINE STARTER DRIVE
Youston Sekella, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application January 16, 1937, Serial No. 120,947
4 Claims. (Cl. 74—7)

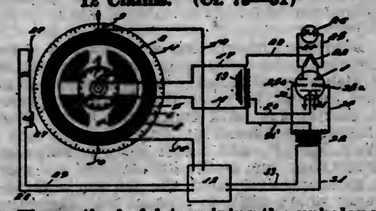


1. In a starter drive for internal combustion engines, a mounting sleeve, a hollow screw shaft slidably journalled thereon, said sleeve having a stop member fixed thereto for limiting the longitudinal movement of the screw shaft thereon, means for yieldably connecting the screw shaft to the sleeve including a compression and torsion spring, an anchor member connecting one end of the spring to the screw shaft, an anchor member for the other end of the spring slidably and non-rotatably mounted on the sleeve, a removable locking ring for the latter anchor member seated in said sleeve, and means for transmitting rotation from said screw shaft to a member of an engine to be started.

2,118,769
ALKANOL-AMMONIUM TARTRATES AND PROCESS OF MAKING THEM
Horace A. Shonle, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application August 4, 1937, Serial No. 157,309
6 Claims. (Cl. 260—11)

1. An alkanol-ammonium antimonyl tartrate.

2,118,770
METHOD OF AND APPARATUS FOR DETERMINING UNBALANCE IN ROTATABLE BODIES
Jens Sivertsen, Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 5, 1934, Serial No. 751,667
12 Claims. (Cl. 73—51)



1. The method of determining the unbalance of a rotatable body, which consists in generating

two A. C. voltages of the same frequency, one voltage being derived from the unbalanced forces in said body, impressing said one voltage on a grid of a thermionic valve and impressing the second voltage on the plate and a smaller amount of the second voltage on a grid but with 180° phase difference, measuring the D. C. current in said plate circuit which is a function of the first A. C. voltage and its phase relation to the second A. C. voltage to determine the angle and amount of unbalance in the rotatable body.

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2,118,771

## SOLVENT TREATMENT OF NAPHTHAS AND THE LIKE

Ernest Terres, New York, and Erich Saegebarth, Long Island City, N. Y., and Joseph Mees, Berlin-Mariendorf, Germany, assignors, by mesne assignments, to Edeleanu Gesellschaft, m. b. H., Berlin, Germany, a corporation of Germany

No Drawing. Application May 15, 1935, Serial No. 21,690

2 Claims. (Cl. 196—37)

1. A process for securing a high octane number motor fuel from a naphtha, comprising separating the naphtha into a low boiling fraction and a high boiling fraction, treating the high boiling fraction with liquid-$SO_2$ at about 14–20° F. to produce a raffinate layer and an extract layer, chilling the extract layer to a low temperature of the order of minus 60 to minus 70° F. to produce a second extract layer and separating out the latter, removing the $SO_2$ therefrom and blending the resulting extract with said low boiling fraction.

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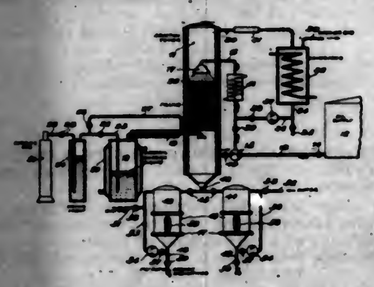
2,118,772

## TREATMENT OF HYDROCARBONS WITH CHROMYLCHLORIDE

Ernest Terres, New York, and Erich Saegebarth, Long Island City, N. Y., and Josef Mees, Berlin-Mariendorf, Germany, assignors, by mesne assignments, to Edeleanu Gesellschaft, m. b. H., Berlin, Germany, a corporation of Germany

Application March 26, 1935, Serial No. 13,180

9 Claims. (Cl. 196—78)



1. A method of treating a mixture of mineral oil hydrocarbons comprising contacting said mixture with chromylchloride vapor supplied in controlled amount to a reaction vessel in presence of a carrier gas, said contacting being effected in the reaction vessel at a temperature not exceeding 356° F. and under such conditions of pressure that, due to the influence of the carrier gas, substantially all of the chromylchloride is in vapor phase while in contact with the mineral oil hydrocarbon mixture, whereby the reaction is controlled and explosions are avoided.

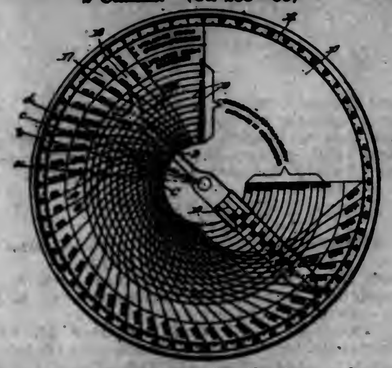
2,118,773

## CALCULATOR

Robert P. Ball, Chattanooga, Tenn.

Application March 26, 1936, Serial No. 15,178

2 Claims. (Cl. 235—83)



1. A device for solving for the true values of dimensions of objects from dimensions of X-ray images thereof, comprising a chart including a scale, a series of curves for a variable corresponding with measured distances between an object and the X-ray film when the image is made, and a second series of curves which intersect said first-named curves for a second variable corresponding with measured dimensions of the image, said scale serving to calibrate said last-named series of curves and as an indicant for the true value of the dimension of the object as determined by the intersections of said curves, said intersections being plotted on the chart from solutions derived assuming a constant distance between the X-ray tube and the film when the image is made, and an indicating member adapted to be positioned on said chart to indicate the true values of the dimensions of the object on said scale from the intersections of said curves.

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2,118,774

## PNEUMATIC TIRE

Sidney M. Cadwell, Grosse Pointe Village, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application August 28, 1934, Serial No. 741,771

2 Claims. (Cl. 152—374)



1. A pneumatic tire comprising a carcass of strain resisting elements and rubber, a road engaging rubber tread having a high carbon black content, said carcass and tread having different radii of curvature whereby a body of rubber is disposed at the shoulders of the tire of materially greater radial thickness than at the crown of the tire, and a body of rubber having low hysteresis losses relative to said high carbon black rubber disposed in each of said thickened bodies of shoulder rubber in substantially radial alignment with each tire shoulder and occupying a space extending at least from approximately one-quarter to one-half of the distance from the carcass to the tread shoulder.



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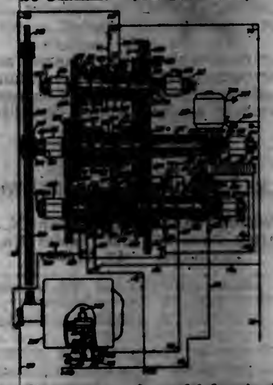
2,118,775

## SIGNALING SYSTEM FOR AUTOMOBILES AND OTHER VEHICLES

Henry S. Davis, West Haven, Conn.

Application October 28, 1935, Serial No. 47,007

26 Claims. (Cl. 177—311)



1. A signaling system for vehicles, including an electrically-operated speed-indicating signal; a source of electrical energy; conducting-means for interconnecting the said source of electrical energy and the said signal; switch-means; actuating-means for the said switch-means including two relatively-movable members, both of which are constructed and arranged to co-operate in effecting the operation of the said switch-means, one of the said members being operated by the movement of the vehicle and at speeds changing in direct relationship with changes in the speed of the said vehicle; driving-means connected to the other member of the said actuating-means for operating the same at a substantially-constant speed; the said actuating-means being so constructed and arranged as to actuate the said switch-means to cause pulsations in the current supplied to the said signal when the speed of the vehicle is below a predetermined speed, and to supply steady current to the said signal when the speed of the vehicle exceeds the said predetermined speed.

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2,118,776

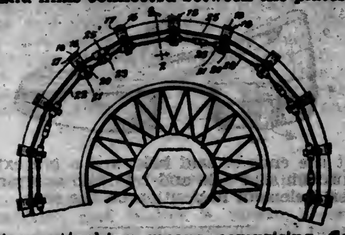
## DEVICE FOR PREVENTING SKIDDING

Edward P. Eastwick, Jr., Greenwich, Conn.

Application June 2, 1936, Serial No. 83,044

1 Claim. (Cl. 152—239)

A device to be attached to a vehicle wheel for preventing skidding comprising a plurality of anti-skidding members adapted to be placed transversely of the tread of the tire of the wheel in spaced relation around the periphery thereof, said members being formed with depending ends engaging the sides of the tire, attaching means for holding the anti-skidding members in the desired spaced relation comprising a plurality of separate plates each having pivotal connection with a depending end of one of the members and links connected between the plates, and



auxiliary attaching means comprising flexible means having connection with the depending ends of said members.

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2,118,777

## ILLUMINATED SIGN

Hyman C. Hammer, Chicago, Ill., assignor to Price Brothers, Inc., Chicago, Ill., a corporation of Illinois

Application October 2, 1937, Serial No. 166,992

6 Claims. (Cl. 40—130)



1. A sign of the character described, comprising a casing having a top, front and side walls, a detachably secured bottom wall for said casing and a source of illumination mounted on the inside of the said bottom wall, a slot formed in the top wall of said casing, a glass panel having its bottom edge disposed within said slot, and a back secured to said casing and arranged to form therewith a closed lower compartment, said back extending upwardly from said casing and arranged to form with said glass panel an upper compartment, said two compartments being in communication with each other to permit the passage of light from the lower compartment to the upper compartment, the forward open portion of said upper compartment being closed by the glass panel and an opaque member arranged on the rear face of said glass panel and covering substantially the entire surface thereof except for a peripheral border, and a source of illumination mounted within said lower compartment whereby when said lower compartment is illuminated, it will be effective for illuminating the bottom edge of said glass panel as well as the interior of the upper compartment, with the result that the transparent peripheral border of said panel will present the effect of a luminescent tube.

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2,118,778

## ANTISKID DEVICE FOR SHOES

Roland W. Hart, Baltimore, Md., assignor of one-third to Elsie P. Ferguson, Philadelphia, Pa.

Application July 31, 1937, Serial No. 156,816

6 Claims. (Cl. 36—62)

1. In combination, a shoe having a hole extending transversely through the bottom thereof,

an anti-skid element fitted to said bottom and having upwardly turned flanges apertured ad-



jacent the ends of said hole, and a pin extending through said hole and into said apertures to hold said element in position on the shoe.

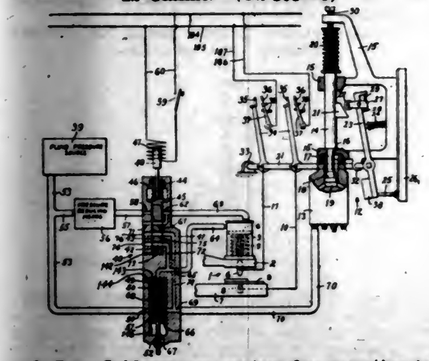
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2,118,779

**DUAL PRESSURE CONTROL FOR PNEUMATICALLY OPERATED APPARATUS**

Charles H. Rippl, Cleveland, Ohio, assignor to The Clark Controller Company, Cleveland, Ohio, a corporation of Ohio

Application January 15, 1937, Serial No. 120,806
12 Claims. (Cl. 303—6)



1. In a fluid pressure system for operating two devices one at high velocity and the other at low velocity, each device having an expansible fluid pressure chamber, a source of relatively high fluid pressure and a source of relatively low fluid pressure, conduit means between the lower pressure source and the chamber of the low velocity device, an operable valve controlling the conduit to admit fluid pressure to the chamber of the lower velocity device to operate it, and to cause pressure in the chamber to rise toward the pressure of the source, a fluid pressure operable valve having conduit communication with the said chamber of the low velocity device and operable upon rise of pressure in the chamber to a predetermined value, conduit means between the source of high fluid pressure and the high velocity device and controlled by the fluid pressure operable valve to admit high source pressure to the chamber of the high velocity device upon operation of the fluid pressure operable valve.

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2,118,780

**STRETCHER, BED, COT, AND THE LIKE**

Thomas Robinson, Brooklyn, N. Y.

Application August 30, 1935, Serial No. 38,491
3 Claims. (Cl. 5—82)

1. An apparatus for supporting a person in a prone position, comprising a frame, including longitudinal and transverse frame members, each of the former being composed of two sections hinged for folding one upon the other, the transverse frame members being respectively hinged to opposite longitudinal members and detachably connectable at their free ends to the other longitudinals, means for interlocking said sections of the longitudinals in rigid axial alinement, flexible body-supporting means suspended within said



frame and removably secured thereto and means detachably connectable to said longitudinal members by said interlocking means to restrain the latter members against lateral distortion under load.

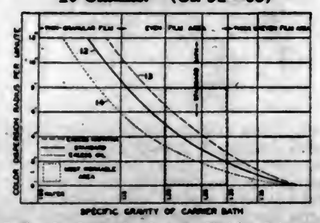
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2,118,781

**PROCESS FOR THE DECORATION OF FABRICS**

Velmont Sallada, Annandale, N. J.

Application June 26, 1936, Serial No. 87,581
10 Claims. (Cl. 91—68)




1. Method of producing individual transfer designs on the surface of a liquid carrier bath by the use of coloring material comprising a base and a vehicle including dispersion increasing and dispersion retarding agents, which comprises adjusting to a predetermined degree the relative proportions of said agents present in said vehicle to control the dispersion of said coloring material, said coloring material being immiscible with said bath and of lower specific gravity than said bath, and applying said coloring material to selected portions only of the surface of said bath, the relative proportions of said agents in said vehicle confining the dispersion of the coloring material of each individual transfer design to a predetermined restricted portion of the surface of said liquid carrier bath.

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2,118,782

**SCREEN**

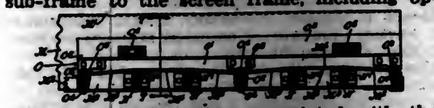
Loren G. Symons, Hollywood, Calif., assignor, by mesne assignments, to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Original application July 18, 1934, Serial No. 735,724, now Patent No. 2,066,648. Divided and this application June 12, 1935, Serial No. 26,232
7 Claims. (Cl. 209—403)

1. In a vibratory screen, a screen frame, a removable sub-frame therefor, flexible screen material secured to said removable sub-frame, means for securing said removable sub-frame to the screen frame, and means for tensioning the screen



material in response to the application of the sub-frame to the screen frame, including op-



posed clamping members associated with the screen frame and the sub-frame, adapted to engage the edges only of the screen material.

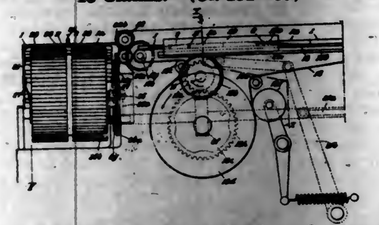
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2,118,783

**CIGARETTE**

Rowland Frank May, Potters Bar, England, assignor to Filter Tips Limited, London, England

Application February 1, 1937, Serial No. 123,515
In Great Britain January 24, 1936
13 Claims. (Cl. 131—39)



1. Apparatus for the production of composite cigarettes, comprising an endless conveyor by which assembled lengths of cigarette rod and filter tips to be united, with uniting bands attached thereto, are fed axially, means for driving the conveyor intermittently, wrapping means reciprocable lengthwise of the conveyor, and mechanism operating the said wrapping means so that its wrapping movement in a direction opposite to the feed movement of the conveyor takes place while the conveyor is stationary and so that its return movement coincides substantially with the forward movement of the conveyor.

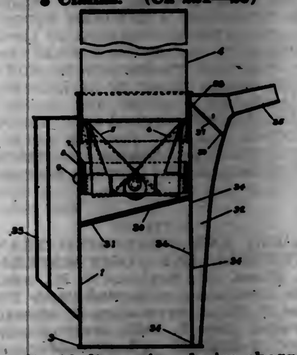
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2,118,784

**LIQUID DISPENSING DEVICE**

John J. Bailey, Trenton, N. J., assignor of one-fourth to Irving Alexander, Trenton, N. J., one-fourth to Alfred A. Colacello, Wichita, Kans., and one-fourth to James E. Holt, Trenton, N. J.

Application February 5, 1937, Serial No. 124,185
3 Claims. (Cl. 221—23)



1. In a liquid dispensing device charge receiving and charge holding portions, a secondary charge holding and discharge chamber opening into said charge holding portion through small openings near the top of and toward the bottom of said holding portion, a cross baffle between said charge receiving and charge holding portions sloping downward from the discharge side, having an opening near the lower end, and another baffle in said discharge chamber nearer but back from the discharge end.

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2,118,785

**ADJUSTABLE EXTENSION SOCKET**

Clarence Birdseye and Harold Douglas Wilson, Gloucester, and Walter N. Heath, Rockport, Mass., assignors to Birdseye Electric Corporation, Dover, Del., a corporation of Delaware

Application August 11, 1937, Serial No. 158,516
8 Claims. (Cl. 173—344)



1. An extension socket for lamps, comprising a conductive threaded base having an insulated contact thereon, a conductive lamp-receiving socket having an insulated contact therein, an intermediate section permanently united to the base and socket and having a plurality of flexible circular corrugations therein readily deformable to hold the socket in different positions of angular adjustment with respect to the base, and separate electrical connections from said base and its contact to the socket and its contact.

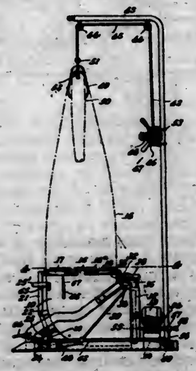
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2,118,786

**CLOTHES DRIER**

John E. Chestnutt, Fayetteville, N. C.

Application October 23, 1935, Serial No. 46,407
2 Claims. (Cl. 34—26)



1. A clothes drier comprising an elbow drum having a discharge end arranged with its axis vertical, a blower positioned at the intake end of the drum, complemental clamp members embracing the drum at the discharge end for securing the lower end of a garment to the drum, a hollow hanger for insertion in the garment to support the upper end of the latter, the hanger being made of sheet metal and being cross sectionally of inverted U-shape with the under edges

inturned toward each other, the hanger closing the neck opening of the garment, and suspension means for the hanger.

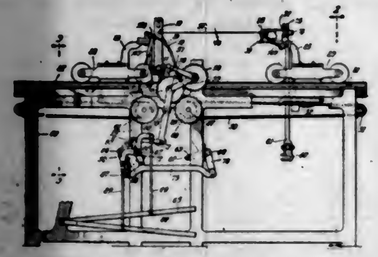
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2,118,787
**PAINTING AND SIMILAR COMPOSITION**
Edwin C. Clayton and Lawrence L. Heffner, Baltimore, Md., assignors to Wm. E. Hooper & Sons Company, Baltimore, Md., a corporation of Maryland
No Drawing. Application September 22, 1937, Serial No. 165,168
5 Claims. (Cl. 134—44)

4. A painting composition comprising substantially 27% of approximately 60% chlorinated organic compound selected from the group consisting of chlorinated paraffine; chlorinated rubber; chlorinated vinyl-resin; chlorinated neutral oil; chlorinated straw-colored petroleum oil; chlorinated tung oil; chlorinated castor oil; chlorinated soya-bean oil; and chlorinated fish oil; a solvent of the chlorinated material which is released by evaporation at normal temperatures, and approximately 5 to 20% of a salt, the same being in solid finely divided form, and selected from the group consisting of zinc borate, magnesium borate, manganous borate and manganese borate, a pigment, and filler, the solvent being in sufficient proportions to make the composition capable of application by brushing, dipping or spraying.

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2,118,788
**HAND EMBROIDERY MACHINE FOR SEAMLESS HOSE**
Otto De Cardy, Chicago, Ill., assignor to Chicago Embroidery Company, Chicago, Ill.
Continuation of application Serial No. 742,718, September 5, 1934. This application November 13, 1935, Serial No. 49,450
18 Claims. (Cl. 112—94)



1. In an embroidery machine, a work support, a series of hollow frames each having generally the contour of a hose carried thereby, a needle supporting bar, a series of needle actuating members carried by said bar, said members extending into said hollow frames, respectively, a needle gripper carried by each of said actuating members, a rod extending generally longitudinally of each of said actuating members for operating its said gripper to operative and inoperative positions, respectively, a lever external to each of said hollow frames for actuating said rod, a bar extending transversely of a plurality of said levers and acting directly thereon for actuating said levers simultaneously, and means for moving said needle supporting bar laterally to cause the needles to be removed from the work into said hollow frames and in a reverse direction to cause the needles to pierce the work.

2,118,789
**REFRACTORY**
Henry C. Fisher, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application September 27, 1935, Serial No. 42,457
2 Claims. (Cl. 106—9)

1. A refractory mixture comprising a molded body composed of the following materials in substantially the proportions stated by weight, 95% of silicon carbide grains, 2% of bentonite, 2½% of Goulac, and 0.5% of ferric oxide.

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2,118,790
**ELECTROMECHANICAL WINDING DEVICE**
Raoul Fouques and Jacques Lenfant, Paris, France
Application June 5, 1936, Serial No. 83,739
In France July 3, 1935
2 Claims. (Cl. 185—11)



1. A winding device for a clockwork mechanism comprising in combination a clockwork mechanism, a member driven by the clockwork mechanism, at least one pin connected to said member, a starting and stopping lever operated by said pin, a ratchet wheel having teeth, a pawl associated with said ratchet wheel, means for displacing said pawl by the movement of said lever, said lever being released from said pin when the pawl is moved over a following tooth of the ratchet wheel, means for restoring the pawl to its initial position when released and thereby turning the ratchet wheel, a cam disc driven by said ratchet wheel, electrical contacts, means operated by said cam disc when it has been stepped round to close said electrical contacts, an electric motor controlled by said contacts, means for winding the clockwork mechanism by said electric motor, and means driven by said electric motor for operating the starting and stopping lever again after a predetermined time, whereby said ratchet wheel and cam disc are again stepped round, and means for opening the electrical contacts when the cam disc is in this position.

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2,118,791
**PACKAGING AND DISPENSING TRANSPARENT CELLULOSE STRIP MATERIAL**
Karl R. Hines, Jr., Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts
Application June 2, 1937, Serial No. 146,001
3 Claims. (Cl. 206—58)

1. A combined package and dispenser for transparent cellulose bands in roll form, comprising,



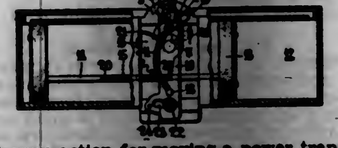
in combination, a substantially rectangular container of cardboard material, said container having enclosing side and end walls and a bottom wall, a pair of separate cardboard supports of rectangular form and proportioned for reception in the container flatwise against its side walls, a roll of transparent cellulose band material wound on a hollow cylindrical core, a hub secured at the inner face of each of said cardboard supports substantially centrally thereof and so as to stand in axial alignment, said hubs having



a diameter conforming to that of the roll core, whereby the hubs and supports are adapted to receive and rotatably support the band roll between them, a cover of inverted tray form for the container, including a top wall and side and end flanges, a slot formation in the top wall of the cover transversely thereof and proportioned for outward passage of the band material, and a cutter strip secured flatwise against one end flange of the cover, with its cutting edge projecting slightly above the plane of the outer face of the cover top wall.

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2,118,792
**SNAP ACTION**
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application May 1, 1936, Serial No. 77,456
10 Claims. (Cl. 74—100)

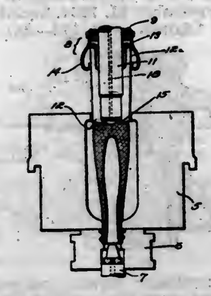


1. A snap action for moving a power transmitting member back and forth between two positions, comprising a pair of stationary supports fixedly spaced, a spring anchored at each of its opposite ends on said supports and normally held in a laterally bowed position thereby, said spring adapted to be buckled to the opposite side of the plane of anchorage, means engageable with the bowed spring portion adjacent one point of anchorage for moving the adjacent end portion of the spring across such plane to initiate a progressive independent advance of a wave of spring motion toward the opposite point of anchorage with a sinuous movement whereby the opposite end portion of the spring is finally moved across such plane with a snap action, and means connecting such opposite end portion of the spring to said power transmitting member to effect a quick movement of the latter from one of its positions to its other position.

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2,118,793
**BOTTOM CLOSURE OF GLASSWARE FORMING MOLD**
George E. Howard, Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application November 10, 1936, Serial No. 110,108
7 Claims. (Cl. 49—76)

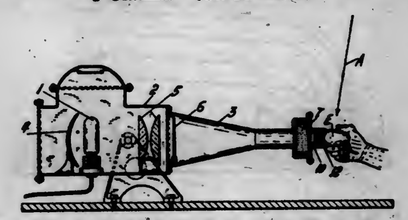
1. A plunger for pressing and elongating a glass blank, the glass engaging end of which comprises a core and an expansible sleeve slidably receiving said core and so constructed and arranged that when the core is retracted in the



sleeve and the sleeve is contracted a glass-receiving cavity is provided for attaching the plunger to the glass blank and when the core is projected outwardly of the sleeve and the sleeve is expanded the plunger is detached from the glass.

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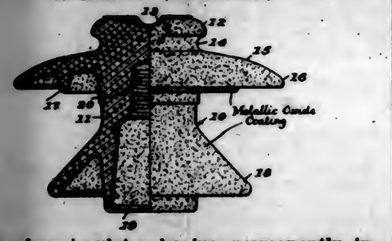
2,118,794
**METHOD AND APPARATUS FOR DETERMINING FERTILITY OF EGGS FOR INCUBATION**
Dale F. King, Auburn, Ala., assignor, by mesne assignments, to The Bundy Incubator Company, Springfield, Ohio, a corporation of Ohio
Application December 10, 1937, Serial No. 179,179
8 Claims. (Cl. 88—14.1)



1. A process of determining the fertility of an egg for incubation comprising the steps of incubating the egg to a point where the blastoderm, if present, becomes visible to the eye, but short of the point where, if infertile, the egg becomes unfit for consumption, and passing to the eye and through the egg in a substantially horizontal direction, while the long axis of the egg lies in a substantially horizontal plane, light from which the long rays have been eliminated so that the yolk appears as a dark body against which rays reflected from the side of the blastoderm become apparent, and viewing the egg from above to determine the presence of the blastoderm.

6. An apparatus for determining the fertility of an egg comprising a casing, a source of light in the casing, a wall of the casing having an orifice to fit the egg when held with its long axis in a substantially horizontal position, a filter in the casing between the source of light and the orifice and of a character to absorb light-rays of wave lengths other than those which will not penetrate the yolk and means supporting the casing in a position such that the direction of light projection through the orifice is substantially horizontal.

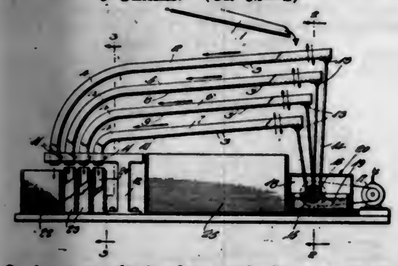
2,118,795
INSULATOR
Jesse T. Littleton, Corning, N. Y., assignor, by mesne assignments, to Corning Glass Works, Corning, N. Y., a corporation of New York
Application September 21, 1931, Serial No. 564,188
25 Claims. (Cl. 173—28)




1. A glass insulator having permanently incorporated in its surface a coating of a substance which resists the adhesion of water.

16. An insulator having an iridized metallic oxide surface.

2,118,796
ICE PRODUCT AND PROCESS OF MAKING THE SAME
Kelvin T. Orrison, Washington, D. C., assignor of two-eighths to John Boyle, Jr., and three-eighths to Frank G. Jennings, both of Washington, D. C.
Application April 14, 1938, Serial No. 202,075
9 Claims. (Cl. 62—1)



2. As a product of manufacture, a mass of free-flowing clean discrete lumps of crushed ice in bulk form, of uniform grade as to size, the shape of the lumps being irregular and generally characterized by a fractured surface contour that is uneven.

6. The method of making a free-flowing mass of ice comprising crushing a block of ice thereby producing a mixture of pieces of ice of various sizes including snow, subjecting the mixture to a vibrating screening motion of high frequency and low amplitude to separate the mixture into one portion that contains the snow and into another portion that consists of free-flowing discrete lumps free from snow.

2,118,797
UNDERWEAR
Bertram Sanders, South Orange, N. J., assignor to The Manhattan Shirt Co., New York, N. Y., a corporation of New York
Application July 30, 1937, Serial No. 156,433
1 Claim. (Cl. 2—237)

In a garment, a waistband, a body portion, and leg portions, said waistband being separated into sections by means of a slit extending through said waistband into said body portion, said sections being lapped one upon the other to form a pleat in said body portion, a second slit in said waistband, extending through the entire thickness of said waistband, adjacent the end of a first section and extending through a second section, said end of said first section substantially abutting the edges of said second slit, a substantially flat elastic member of single thickness secured to said

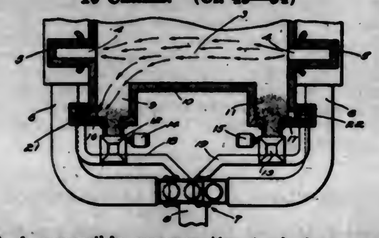


end and extending through said second slit and being permanently secured to said second section, and a second similar elastic member being secured to the lapped end of said second section and permanently secured to said first section, whereby substantially no portion of an elastic member is visible from one side of said waistband in unstretched condition, and said overlapped sections are slidable upon one another to expose only a small portion of an elastic member.

2,118,798
REFRACTORY
Charles W. Saxe, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application September 27, 1935, Serial No. 42,456
4 Claims. (Cl. 106—9)

1. Method of producing a porous refractory of high refractory qualities comprising selecting graded sizes of relatively pure fused alumina, mixing them together and with a small amount of alumina of micro-crystalline structure, adding bentonite of the order of 3% or less, forming and firing.

2,118,799
METHOD AND APPARATUS FOR MAKING GLASS
Paul G. Willetts, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application November 13, 1936, Serial No. 110,[illegible]
10 Claims. (Cl. 49—54)



6. A reversible regenerative tank furnace for melting glass comprising means for reversing the direction of the fire in said tank furnace, batch feeders for feeding charges adjacent the sides of tank in the melting end thereof, and means for controlling said feeders to feed charges of batch alternately adjacent the respective sides of said melting end as the direction of the fire is reversed by said reversing means.



2,118,800
MOUNTING OF MOLDINGS, ETC.
Emmet Quimby Smith, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application April 1, 1936, Serial No. 72,102
5 Claims. (Cl. 189—88)

1. A fastener structure substantially for the purpose described comprising, a one-piece spring metal body having a restricted intermediate portion, an enlarged compressible head on one side of the restricted portion adapted to be passed through an aperture in a support with the restricted portion positioned adjacent the aperture, another enlarged compressible head on the opposite side of the restricted portion adapted to hold means to be supported thereby, and abut-

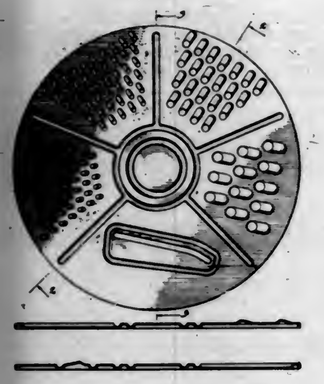


ments fashioned outwardly from a compressible head leaving slots therein for engaging the support on the side thereof opposite the first mentioned head.

# DESIGNS

MAY 24, 1938

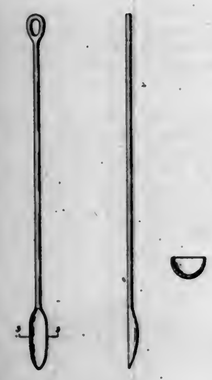
**109,794**
**DESIGN FOR A GRATER**
**William Baring, Los Angeles, Calif.**
**Application March 5, 1938, Serial No. 75,630**
**Term of patent 7 years**



The ornamental design for a grater, substantially as shown.

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**109,795**
**DESIGN FOR A SPOON**
**Agnes C. Brannock, Syracuse, N. Y.**
**Application March 14, 1938, Serial No. 75,802**
**Term of patent 14 years**



The ornamental design for a spoon substantially as shown.



**109,796**
**DESIGN FOR AN OTTOMAN**
**Alphonse Brenner, Shreveport, La.**
**Application April 2, 1938, Serial No. 76,234**
**Term of patent 7 years**



The ornamental design for an ottoman, as shown.

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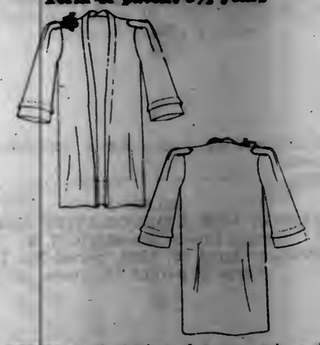
**109,797**
**DESIGN FOR A PAPER DOLL**
**Priscilla Burg and Prudence Burg, Syracuse, N. Y.**
**Application September 29, 1937, Serial No. 71,867**
**Term of patent 7 years**



The ornamental design for a paper doll as shown and described.



**109,798**
**DESIGN FOR A COAT**
**Irving Cohen, New York, N. Y.**
**Application April 2, 1938, Serial No. 76,244**
**Term of patent 3½ years**



The ornamental design for a coat, substantially as shown and described.

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**109,799**
**DESIGN FOR A WEIGHING SCALE OR ARTICLE OF SIMILAR NATURE**
**Thomas B. Flanagan, Columbus, Ohio, assignor to The Exact Weight Scale Company, Columbus, Ohio, a corporation of Ohio**
**Application December 24, 1937, Serial No. 73,853**
**Term of patent 7 years**



The ornamental design for a weighing scale or article of similar nature, as shown.

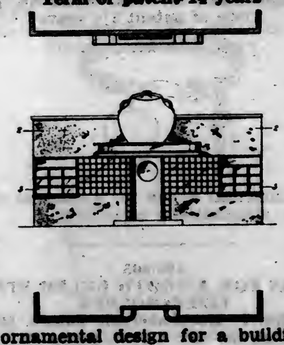
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**109,800**
**DESIGN FOR A FINGER RING**
**Alfred R. Fenz, New York, N. Y.**
**Application March 8, 1938, Serial No. 75,695**
**Term of patent 3½ years**



The ornamental design for a finger ring, as shown.

**109,801**
**DESIGN FOR A BUILDING FRONT**
**Russell P. Freeman, Fargo, N. Dak.**
**Application December 28, 1937, Serial No. 73,903**
**Term of patent 14 years**



The ornamental design for a building front, substantially as shown.

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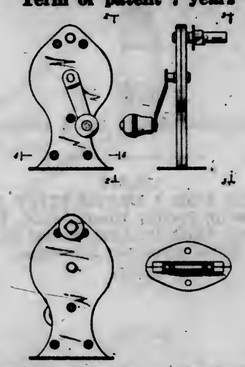
**109,802**
**DESIGN FOR A COVER FOR A COMPACT BOX**
**George Gamble, Cambridge, Mass.**
**Application September 15, 1937, Serial No. 71,637**
**Term of patent 3½ years**



The ornamental design for a cover for a compact box as shown.

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**109,803**
**DESIGN FOR A FILM REWIND**
**Arthur E. Gavin, Huntington Park, Calif.**
**Application March 18, 1938, Serial No. 75,935**
**Term of patent 7 years**



The ornamental design for a film rewind substantially as shown.

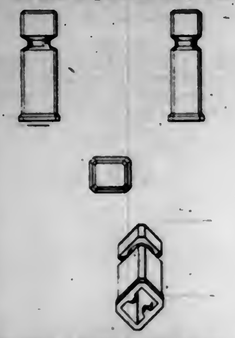
**109,804**
**DESIGN FOR A BRACELET OR SIMILAR ARTICLE**
**William W. Hebe, New York, N. Y.**
**Application April 25, 1938, Serial No. 76,735**
**Term of patent 3½ years**



The ornamental design for a bracelet or similar article, substantially as shown.

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**109,805**
**DESIGN FOR A TOOTH BRUSH STERILIZER-HOLDER**
**Rudolph P. Heckenberger, Toledo, Ohio**
**Application October 9, 1937, Serial No. 72,099**
**Term of patent 14 years**



The ornamental design for a tooth brush sterilizer-holder substantially as shown.

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**109,806**
**DESIGN FOR A DECORATIVE NAIL**
**Joseph Jacobs, Brooklyn, N. Y.**
**Application April 20, 1938, Serial No. 76,629**
**Term of patent 3½ years**



The ornamental design for a decorative nail, as shown.

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**109,807**
**DESIGN FOR A DECORATIVE NAIL**
**Joseph Jacobs, Brooklyn, N. Y.**
**Application April 20, 1938, Serial No. 76,631**
**Term of patent 3½ years**



The ornamental design for a decorative nail, as shown.

**109,808**
**DESIGN FOR A DECORATIVE NAIL**
**Joseph Jacobs, Brooklyn, N. Y.**
**Application April 20, 1938, Serial No. 76,632**
**Term of patent 3½ years**



The ornamental design for a decorative nail, as shown.

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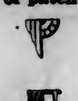
**109,809**
**DESIGN FOR A DECORATIVE NAIL**
**Joseph Jacobs, Brooklyn, N. Y.**
**Application April 20, 1938, Serial No. 76,633**
**Term of patent 3½ years**



The ornamental design for a decorative nail, as shown.

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**109,810**
**DESIGN FOR A DECORATIVE NAIL**
**Joseph Jacobs, Brooklyn, N. Y.**
**Application April 20, 1938, Serial No. 76,634**
**Term of patent 3½ years**



The ornamental design for a decorative nail, as shown.

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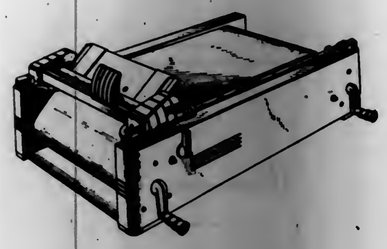
**109,811**
**DESIGN FOR A COMBINATION LAMP AND CLOCK**
**Fred D. Jones, Jr., Seattle, Wash., assignor, by mesne assignments, to Harry W. Bangert**
**Application October 18, 1937, Serial No. 72,254**
**Term of patent 3½ years**



The ornamental design for a combination lamp and clock, as shown and described.



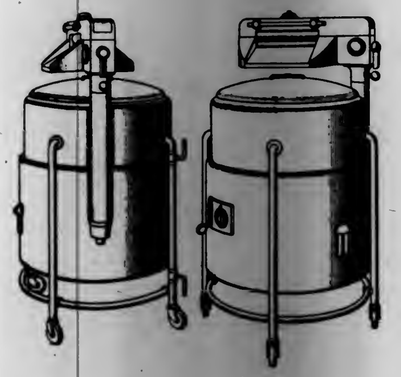
**109,812**
**DESIGN FOR A DUPLICATING MACHINE**
**Willis A. Kropp, Oak Park, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia**
**Application November 11, 1937, Serial No. 72,800**
**Term of patent 7 years**



The ornamental design for a duplicating machine as shown and described.

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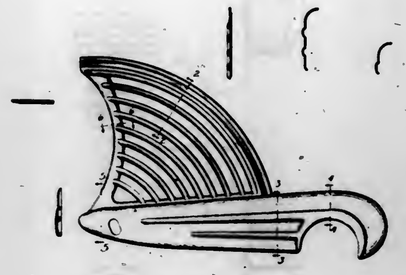
**109,813**
**DESIGN FOR A COMBINED WASHING MACHINE AND WRINGER**
**John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York**
**Application January 15, 1937, Serial No. 67,070**
**Term of patent 3½ years**



The ornamental design for a combined washing machine and wringer, as shown.



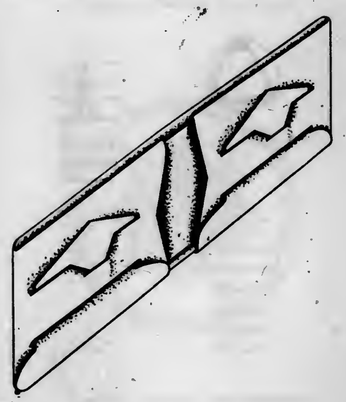
**109,814**
**DESIGN FOR A COMBINED CHAIN AND SKIRT GUARD**
**John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York**
**Application March 23, 1938, Serial No. 76,025**
**Term of patent 7 years**



The ornamental design for a combined chain and skirt guard, as shown.

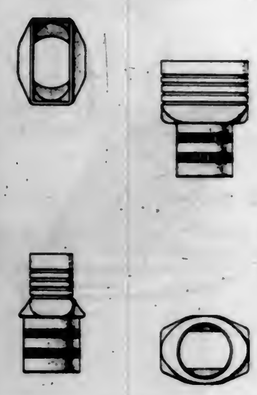
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**109,815**
**DESIGN FOR A BILLFOLD**
**Louis A. Mueller, Springfield, Ohio, assignor to The Springfield Leather Products Company, Springfield, Ohio, a corporation of Ohio**
**Application January 22, 1938, Serial No. 74,485**
**Term of patent 7 years**



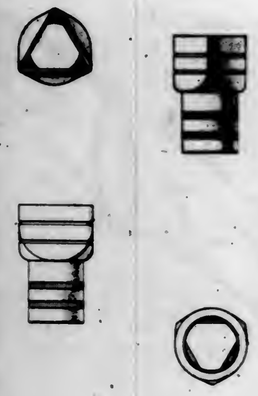
The ornamental design for a billfold, as shown and described.

169,816
**DESIGN FOR A PENCIL TIP**
Henry J. Roth, Brooklyn, N. Y., assignor to Eberhard Faber Pencil Co., Brooklyn, N. Y., a corporation of New York
Application March 26, 1938, Serial No. 76,114
Term of patent 7 years



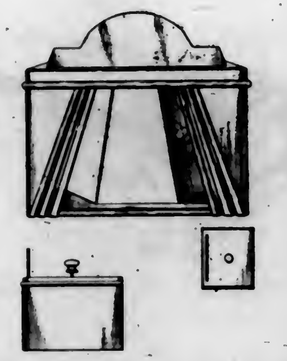
The ornamental design for a pencil tip as shown.

169,817
**DESIGN FOR A PENCIL TIP**
Henry J. Roth, Brooklyn, N. Y., assignor to Eberhard Faber Pencil Co., Brooklyn, N. Y., a corporation of New York
Application March 26, 1938, Serial No. 76,115
Term of patent 7 years



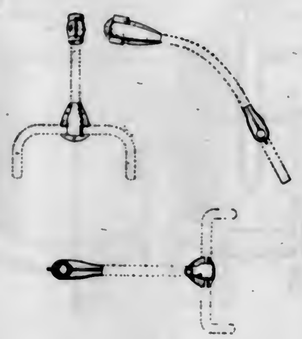
The ornamental design for a pencil tip as shown.

169,818
**DESIGN FOR A DISPLAY CABINET**
Charles F. Simms, Concord, N. H., assignor to Concord Silversmiths Corporation, Concord, N. H., a corporation of New Hampshire
Application December 20, 1937, Serial No. 73,963
Term of patent 3½ years



The ornamental design for a display cabinet as shown and described.

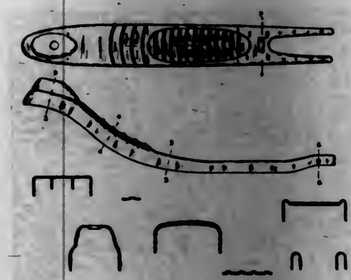
169,819
**DESIGN FOR A VELOCIPEDE FRAME MEMBER**
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application March 3, 1938, Serial No. 75,557
Term of patent 7 years



The ornamental design for a velocipede frame member substantially as shown.

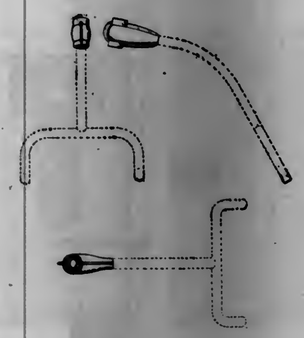


169,820
**DESIGN FOR A SCOOTER FOOTBOARD**
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application March 3, 1938, Serial No. 75,558
Term of patent 7 years



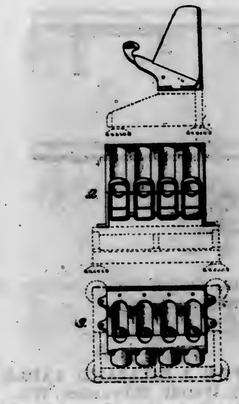
The ornamental design for a scooter footboard substantially as shown.

169,821
**DESIGN FOR A VELOCIPEDE FRAME MEMBER**
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application March 3, 1938, Serial No. 75,559
Term of patent 7 years



The ornamental design for a velocipede frame member substantially as shown.

169,822
**DESIGN FOR A COIN HOLDER OR SIMILAR ARTICLE**
Paul S. Steward, Chattanooga, Tenn., assignor to Specialties, Inc., Chattanooga, Tenn., a corporation
Application March 18, 1938, Serial No. 75,926
Term of patent 14 years



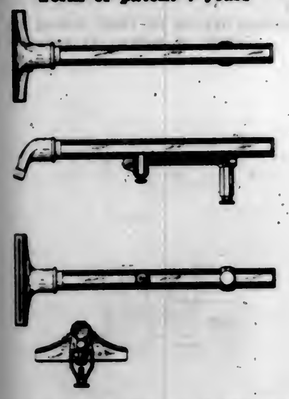
The ornamental design for a coin holder or similar article as shown.

169,823
**DESIGN FOR A GAME DEVICE**
Clinton C. Tiedemann, South Bend, Ind.
Application August 21, 1937, Serial No. 71,223
Term of patent 3½ years



The ornamental design for a game device, substantially as shown.

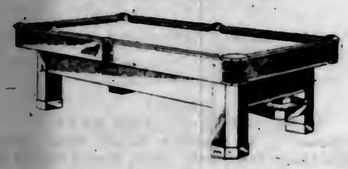
109,824
**DESIGN FOR A VACUUM CLEANER CASING**
Fred L. Vernon, Newton, Iowa
Application January 17, 1938, Serial No. 74,357
Term of patent 7 years



The ornamental design for a vacuum cleaner casing substantially as shown.

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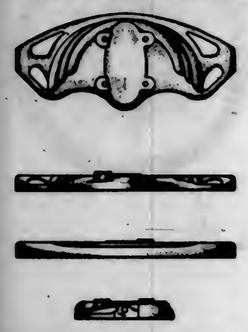
109,825
**DESIGN FOR A BILLIARD TABLE**
Charles A. Wendt, Milwaukee, Wis.
Application March 7, 1938, Serial No. 75,651
Term of patent 7 years



The ornamental design for a billiard table, as shown.

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109,826
**DESIGN FOR A VELOCIPEDE DECK PLATE**
Bert J. Anderson, Hammond, Ind.
Application October 13, 1937, Serial No. 72,145
Term of patent 14 years



The ornamental design for a velocipede deck plate as shown.

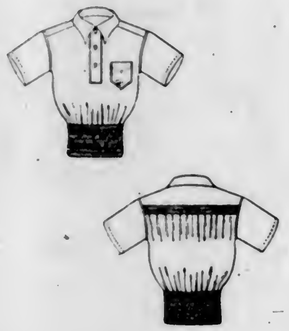
109,827
**DESIGN FOR A CARPET OR SIMILAR ARTICLE**
William O. Dewsbury, Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y., a corporation of Delaware
Application January 19, 1938, Serial No. 74,415
Term of patent 3½ years



The ornamental design for a carpet or similar article, as shown.

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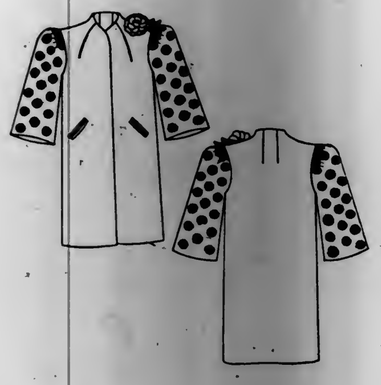
109,828
**DESIGN FOR A SHIRT**
Barnet Bratman and William Stechel, New York, N. Y.
Application March 5, 1938, Serial No. 75,590
Term of patent 3½ years



The ornamental design for a shirt substantially as shown and described.



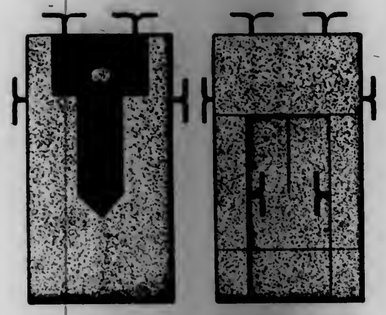
109,829
**DESIGN FOR A COAT**
Samuel H. Dick, New York, N. Y.
Application April 13, 1938, Serial No. 76,467
Term of patent 3½ years



The ornamental design for a coat substantially as shown and described.

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109,830
**DESIGN FOR A BABY BLANKET**
Doris E. Ford, Oakland, Calif.
Application March 19, 1938, Serial No. 75,960
Term of patent 14 years



The ornamental design for a baby blanket as shown.

109,831
**DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE**
Leo Franklin, Cedarhurst, N. Y., assignor to Phoenix Manufacturing Co., Inc., New York, N. Y.
Application April 29, 1938, Serial No. 76,841
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown.

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109,832
**DESIGN FOR A DRESS**
Theresa M. Fritz, Hoboken, N. J.
Application April 23, 1938, Serial No. 76,711
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

**109,833**
**DESIGN FOR A LEATHER OR SIMILAR ARTICLE**
Samuel Galper, New York, N. Y.
Application February 17, 1938, Serial No. 75,264
Term of patent 3½ years



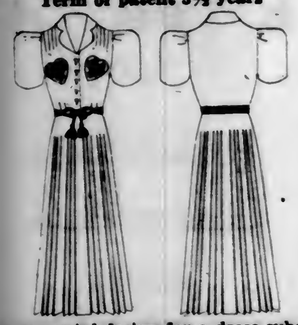
The ornamental design for a leather or similar article, substantially as shown and described.

**109,834**
**DESIGN FOR A SWEATER**
Eugene I. Itskowitz and Leo Greenstein, Brooklyn, N. Y.
Application April 1, 1938, Serial No. 76,216
Term of patent 3½ years



The ornamental design for a sweater substantially as shown and described.

**109,835**
**DESIGN FOR A DRESS**
Beatrice Chudnoff Kalish, New York, N. Y.
Application April 23, 1938, Serial No. 76,712
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

**109,836**
**DESIGN FOR A STOCKING**
Janet May, New York, N. Y.
Application April 9, 1938, Serial No. 76,403
Term of patent 7 years



The ornamental design for a stocking, substantially as shown and described.

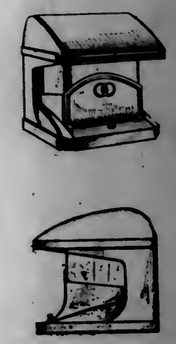
**109,837**
**DESIGN FOR A DRESS**
Morris Sobelman, St. Louis, Mo.
Application April 26, 1938, Serial No. 76,749
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

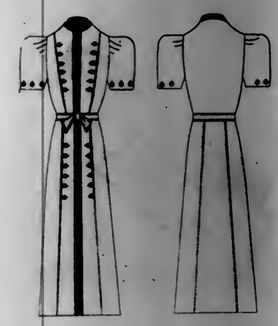


**109,838**
**DESIGN FOR A LAMP**
John E. Alcott, Westwood, Mass., assignor to Sheet Polariser Company, Inc., Union City, N. J., a corporation of New Jersey
Application March 15, 1938, Serial No. 75,824
Term of patent 14 years



The ornamental design for a lamp, substantially as shown.

**109,839**
**DESIGN FOR A DRESS**
Helen Berry, New York, N. Y.
Application April 20, 1938, Serial No. 76,617
Term of patent 3½ years



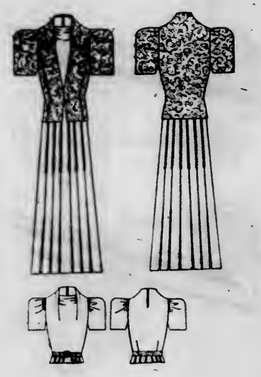
The ornamental design for a dress substantially as shown and described.

**109,840**
**DESIGN FOR A LAMP**
Rocco Cavaleri, Poughkeepsie, N. Y.
Application February 1, 1938, Serial No. 74,796
Term of patent 7 years



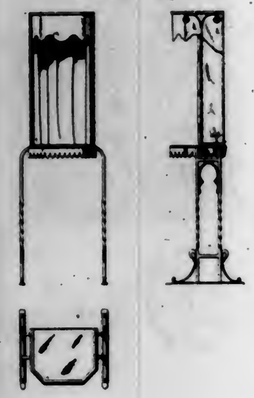
The ornamental design for a lamp, as shown.

**109,841**
**DESIGN FOR A DRESS ENSEMBLE**
Arthur Cohen, New York, N. Y.
Application April 15, 1938, Serial No. 76,513
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

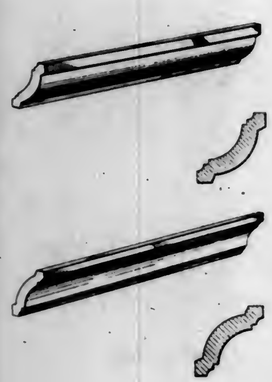
**109,842**
**DESIGN FOR A RELIGIOUS THRONE**
Chester David Cole, Jamaica Estates, N. Y., assignor to Benziger Brothers, New York, N. Y., a partnership composed of Xavier W. Benziger, Bernard A. Benziger, and Alfred F. Benziger
Application February 15, 1938, Serial No. 75,136
Term of patent 3½ years



The ornamental design for a religious throne, as shown.

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**109,843**
**DESIGN FOR A DECORATIVE COVE STRIP**
Gerald K. Geerlings, New Canaan, Conn.
Application February 25, 1938, Serial No. 75,408
Term of patent 14 years



The ornamental design for a decorative cove strip, as shown and described.

**109,844**
**DESIGN FOR A DRESS**
Claire B. Harris, Du Quoin, Ill.
Application April 7, 1938, Serial No. 76,261
Term of patent 3½ years



The ornamental design for a dress as shown.

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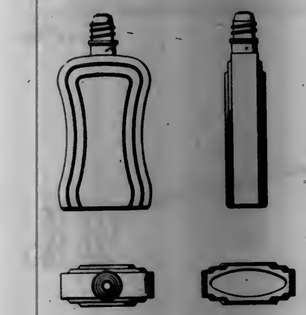
**109,845**
**DESIGN FOR A BOX FOR A FINGERNAIL PENCIL OR SIMILAR ARTICLE**
Paul S. Hauton, Atlanta, Ga.
Application August 24, 1936, Serial No. 64,543
Term of patent 14 years



The ornamental design for a box for a fingernail pencil or similar article as shown and described.



**109,846**
**DESIGN FOR A BOTTLE**
Francois Klotz, Asnieres, France, assignor to Pinaud Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1938, Serial No. 75,091
Term of patent 14 years



The ornamental design for a bottle, as shown.

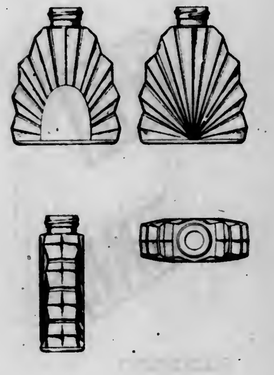
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**109,847**
**DESIGN FOR A CLOCK**
Rudolf V. Kehn, Cedarhurst, N. Y.
Application April 15, 1938, Serial No. 76,538
Term of patent 3½ years



The ornamental design for a clock as shown and described.

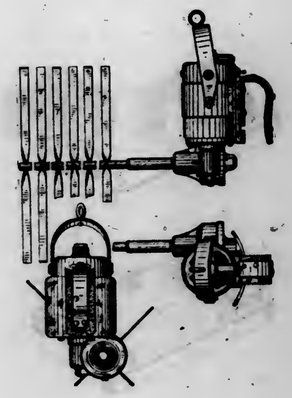
**109,848**
**DESIGN FOR A BOTTLE**
Arnold I. Lorennen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 21, 1938, Serial No. 75,988
Term of patent 14 years



The ornamental design for a bottle, substantially as shown.

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**109,849**
**DESIGN FOR A COMBINATION FUR AND FABRIC WHIPPING APPARATUS**
Charles M. McCarthy, Minneapolis, Minn.
Application January 21, 1938, Serial No. 74,458
Term of patent 14 years



The ornamental design for a combination fur and fabric whipping apparatus, as shown and described.

**109,850**
**DESIGN FOR A CIGARETTE CASE**
Anthony Meisenc, Cranston, R. I., assignor to Paragon Jewelry Company, Providence, R. I., a corporation of Rhode Island
Application November 29, 1937, Serial No. 73,237
Term of patent 3½ years



The ornamental design for a cigarette case, substantially as shown and described.

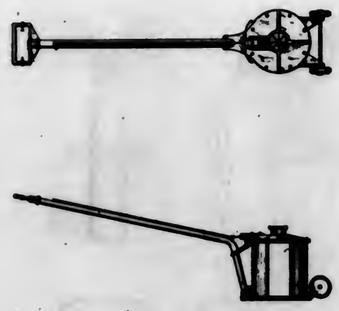
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**109,851**
**DESIGN FOR A PLATE FOR MOLDS FOR HARD RUBBER GOODS**
Byron W. Meredith, Morrisville, Pa.
Application September 3, 1937, Serial No. 71,451
Term of patent 14 years



The ornamental design for a plate for molds for hard rubber goods, as shown.

**109,852**
**DESIGN FOR A LIFTING JACK**
Marcellus S. Merrill, Denver, Colo.
Application September 20, 1937, Serial No. 71,691
Term of patent 7 years



The ornamental design for a lifting jack, as shown.

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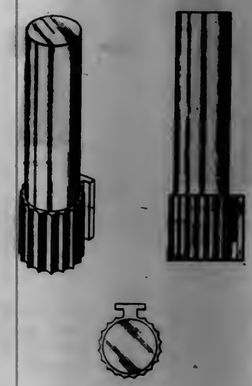
**109,853**
**DESIGN FOR A SLIPPER**
Abraham Rosenberg, Norwalk, Conn., assignor to Rosenberg Brothers Slipper Company, Inc., South Norwalk, Conn., a corporation of Connecticut
Application February 12, 1938, Serial No. 75,101
Term of patent 3½ years



The ornamental design for a slipper, substantially as shown and described.



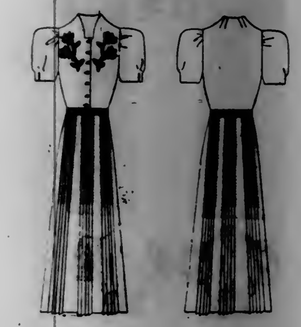
**109,854**
**DESIGN FOR A LIGHTING FIXTURE OR SIMILAR ARTICLE**
Lemuel L. Stewart, Chicago, Ill., assignor to The Adlake Company, a corporation of Illinois
Application May 10, 1937, Serial No. 69,272
Term of patent 14 years



The ornamental design for a lighting fixture or similar article substantially as shown.

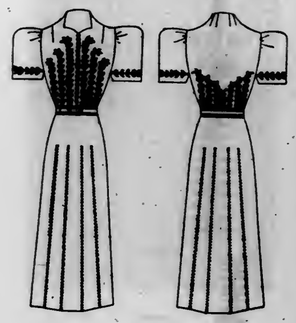
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**109,855**
**DESIGN FOR A DRESS**
Beatrice Chudnoff Kalish, New York, N. Y.
Application May 5, 1938, Serial No. 76,983
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

**109,856**
**DESIGN FOR A DRESS**
Beatrice Chudnoff Kalish, New York, N. Y.
Application May 5, 1938, Serial No. 76,984
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

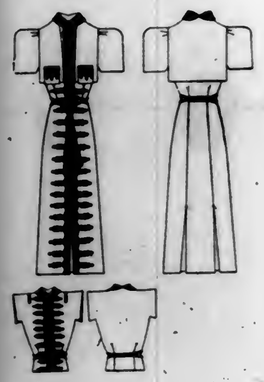
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**109,857**
**DESIGN FOR A DRESS**
Victor Temshinsky, New York, N. Y.
Application May 4, 1938, Serial No. 76,964
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

**109,858**
**DESIGN FOR A DRESS ENSEMBLE**
**John Tuman, New York, N. Y.**
**Application April 28, 1938, Serial No. 76,775**
**Term of patent 3½ years**



The ornamental design for a dress ensemble substantially as shown and described.

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**109,859**
**DESIGN FOR A DRESS**
**Rose Feintuck, New York, N. Y.**
**Application April 22, 1938, Serial No. 76,683**
**Term of patent 3½ years**



The ornamental design for a dress, substantially as shown.

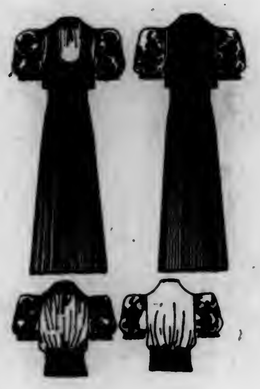
**109,860**
**DESIGN FOR A DRESS ENSEMBLE**
**Philip Schlessel, New York, N. Y.**
**Application April 29, 1938, Serial No. 76,860**
**Term of patent 3½ years**



The ornamental design for a dress ensemble, substantially as shown.

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**109,861**
**DESIGN FOR A DRESS ENSEMBLE**
**John Tuman, New York, N. Y.**
**Application April 28, 1938, Serial No. 76,774**
**Term of patent 3½ years**



The ornamental design for a dress ensemble, substantially as shown.



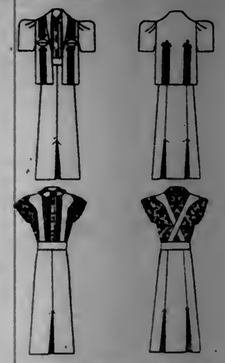
**109,862**
**DESIGN FOR A DRESS**
**John Tuman, New York, N. Y.**
**Application April 28, 1938, Serial No. 76,776**
**Term of patent 3½ years**



The ornamental design for a dress substantially as shown.

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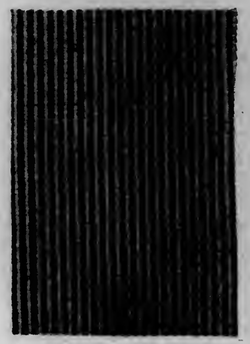
**109,863**
**DESIGN FOR A DRESS ENSEMBLE**
**John Tuman, New York, N. Y.**
**Application April 30, 1938, Serial No. 76,888**
**Term of patent 3½ years**



The ornamental design for a dress ensemble substantially as shown.

**109,864**
**DESIGN FOR AN ELASTIC TEXTILE FABRIC**
**Irving Weisberger, New York, N. Y.**
**Application March 10, 1938, Serial No. 75,715**
**Term of patent 3½ years**





The ornamental design for an elastic textile fabric substantially as shown and described.

Patents Nos. 2,118,801 to 2,119,507

# THE OFFICIAL GAZETTE

OF THE

# United States Patent Office

Vol. 490—No. 5 TUESDAY, MAY 31, 1938 Price—$16 per year

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## May 31, 1938

| | | | |
|---|---|---|---|
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| T. M. Renewals | 38— | | |
| Labels | 29—No. | 51,239 to No. | 51,321, inclusive. |
| Prints | 15—No. | 16,888 to No. | 16,897, inclusive. |
| Reissues | 6—No. | 20,742 to No. | 20,747, inclusive. |
| Patents | 707—No. | 2,118,801 to No. | 2,119,507, inclusive. |
| Designs | 106—No. | 169,865 to No. | 169,970, inclusive. |
| Total | 1,035 | | |

## Applicant's Address

The requirement of Rule 32, that the post-office address of the applicant must be stated in the petition, means that the applicant must give the post-office address at which he customarily receives his mail.

The rule was made in order that the Office in necessary cases might correspond directly with the applicant and not through his attorney. The address of the attorney with instructions to send communications to the applicant in his care will not be accepted as a compliance with this rule.

## Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., May 2, 1938.*

*Jiffe-Straight Company, Incorporated, its assigns or legal representatives, take notice:*

An application for cancellation having been filed in this Office by Bella Gold Taback, to effect the cancellation of trade-mark registration of Jiffe-Straight Company, Incorporated, Petersburg, Va., No. 122,423, dated June 22, 1920, and the notice of such proceeding sent by registered mail to the said Jiffe-Straight Company, Incorporated, at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Jiffe-Straight Company, Incorporated, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

U. S. PATENT OFFICE, *Washington, D. C., May 18, 1938.*

*The Chlorine Products Company, its assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of Albert H. Binash, 2820 West North Avenue, Chicago, Ill., to effect the cancellation of trade-mark registration No. 197,475, issued April 21, 1925, to The Chlorine Products Company, 805 North Senate Avenue, Indianapolis, Ind., and a notice of such proceeding sent by registered mail to said The Chlorine Products Company at said address having been returned by the post office as undeliverable, notice is hereby given that unless said The Chlorine Products Company, its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

## Examiners' Letters and Amendments

Examiners are directed to recite in each letter in an application the date of the action by the applicant to which it is a reply, and applicants are requested to indicate in their actions on an application the date of the last Office letter.

## Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,088,033, R. J. Rader, Electric bell, decided May 3, 1938, claim 1.

Pat. 2,103,284, R. S. Whittington, Automatic control of clutch and throttle actuation of an automotive vehicle, decided May 6, 1938, claim 6.

Reissue Pat. 18,632, G. W. Stedwell, Liquid dispensing apparatus, decided March 10, 1938, claims 54, 55, 56, and 57.

## Erratum

Pat. 1,999,118, A. S. Simsack. The notice in Official Gazette of May 10, 1938, of adverse decision was erroneous and should be disregarded.

## Condition of Applications Under Examination at Close of Business May 14, 1938

(Total number of applications awaiting action, excluding Trade-Mark Division, 45,076: Trade-Mark Division, 1,466. Oldest new case, Oct. 1, 1937; oldest amended, Sept. 16, 1937.)
(The dates given are 1938 except where † indicates 1937)

| Room No. | Divisions, Examiners, and Subjects of Inventions | Oldest new application awaiting office action: New | Oldest new application awaiting office action: Amended | No. of applications awaiting action |
|---|---|---|---|---|
| 6024 | 1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage. | †Dec. 11 | †Dec. 10 | 771 |
| 6708 | 2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture. | †Dec. 15 | †Dec. 8 | 946 |
| 4088 | 3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces | Mar. 26 | Mar. 11 | 361 |
| 7083 | 4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes. | Feb. 2 | Feb. 5 | 534 |
| 2077 | 5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons | Feb. 14 | Feb. 15 | 588 |
| 4806C | 6. LEWERS, A. M., Carbon Chemistry (part) | Jan. 13 | Jan. 6 | 961 |
| 5725 | 7. JAEBOE, C. G., Optics; Photography | Jan. 24 | Jan. 24 | 979 |
| 2826 | 8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets | Jan. 31 | Jan. 31 | 504 |
| 4424 | 9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors | Feb. 18 | Feb. 23 | 424 |
| 6818 | 10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices. | Jan. 15 | Jan. 17 | 811 |
| 2067B | 11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather. | Jan. 29 | Feb. 1 | 521 |
| 7701 | 12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes. | †Nov. 4 | †Nov. 4 | 935 |
| 5086 | 13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling. | Jan. 5 | Jan. 5 | 635 |
| 5097 | 14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes. | Feb. 28 | Feb. 28 | 491 |
| 4807 | 15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics | Jan. 22 | Jan. 22 | 1,237 |
| 5716 | 16. SPENCER, C. J., Telegraphy; Telephony | †Dec. 30 | †Dec. 23 | 982 |
| 5701 | 17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting. | Jan. 24 | Jan. 17 | 756 |
| 4612 | 18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | Jan. 12 | Jan. 12 | 506 |
| 4006 | 19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners | Jan. 25 | Jan. 31 | 642 |
| 6806 | 20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making. | Jan. 28 | Feb. 2 | 420 |
| 7723 | 21. THOMPSON, T. J., Textiles; Cloth Finishing | Feb. 16 | Feb. 16 | 537 |
| 5609 | 22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | Feb. 14 | Feb. 14 | 625 |
| 7624 | 23. BUTTNER, W. J., Registers (part) | †Oct. 1 | †Sept. 16 | 321 |
| 6023 | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Feb. 5 | Feb. 5 | 632 |
| 5709 | 25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors. | Jan. 31 | Jan. 29 | 542 |
| 5026 | 26. YOUNG, R. R., Electricity, Generation; Motive Power | Jan. 27 | Jan. 18 | 520 |
| 6708 | 27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing | †Nov. 23 | †Nov. 17 | 1,025 |
| 4603 | 28. SOLYOM, H. L., Internal-Combustion Engines | Feb. 8 | Feb. 12 | 341 |
| 5083 | 29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables. | †Nov. 26 | †Nov. 26 | 985 |
| 4083 | 30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats. | †Dec. 14 | †Dec. 15 | 819 |
| 4716 | 31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons | Feb. 14 | Feb. 14 | 559 |
| 4026 | 32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating | Feb. 7 | Feb. 14 | 573 |
| 6026 | 33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads | Feb. 18 | Jan. 31 | 742 |
| 6026 | 34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders. | Feb. 19 | Feb. 17 | 324 |
| 3676 | 35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles | Feb. 15 | Feb. 21 | 620 |
| 7023 | 36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers | †Dec. 7 | †Dec. 15 | 563 |
| 4003B | 37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits | †Nov. 20 | †Nov. 17 | 816 |
| 5004 | 38. KRAFFT, O. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions. | †Nov. 15 | †Nov. 16 | 782 |
| 4878 | 39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances. | Jan. 12 | Jan. 14 | 602 |
| 7020 | 40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles | †Dec. 21 | †Dec. 22 | 1,426 |
| 7012 | 41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part) | Jan. 14 | Jan. 18 | 315 |
| 3862 | 42. CUTTING, H. O., Electric Signaling | †Nov. 26 | †Oct. 29 | 705 |
| 4003D | 43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch. | Feb. 7 | Feb. 7 | 564 |
| 4027B | 44. HARVEY, L. P., Refrigeration; Dispensing Beverages | †Dec. 22 | †Dec. 20 | 752 |
| 7023 | 45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanisms; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles. | Jan. 21 | Jan. 21 | 800 |
| 4613 | 46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines. | Jan. 18 | Jan. 18 | 603 |
| 6020 | 47. LOWE, E. R. (Act.), Clutches; Brakes | Jan. 22 | Jan. 20 | 656 |
| 5731 | 48. ROEPKE, O. B., Electricity, General Applications; Igniters | Jan. 25 | Jan. 25 | 492 |
| 7726 | 49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilating; Driers; Liquid Purification | †Nov. 5 | †Nov. 4 | 947 |
| 4701 | 50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products | Feb. 10 | Feb. 10 | 680 |
| 5623 | 51. BACKUS, C. D., Radiant Energy | Feb. 8 | Feb. 8 | 546 |
| 7709 | 52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits. | Feb. 3 | Feb. 1 | 540 |
| 6007 | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging. | Jan. 12 | Jan. 13 | 721 |
| 5024 | 54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes | Mar. 17 | Mar. 17 | 390 |
| 6023 | 55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery | †Dec. 14 | †Dec. 14 | 1,078 |
| 4726 | 56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making | †Dec. 14 | †Dec. 14 | 1,101 |
| 6613 | 57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys. | Feb. 4 | Jan. 7 | 486 |
| 5026 | 58. DOWELL, E. F., Abrading; Bottles and Jars | Mar. 2 | Feb. 9 | 318 |
| 4709 | 59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation. | Feb. 9 | Feb. 16 | 629 |
| 5020 | 60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants | Jan. 7 | Jan. 7 | 599 |
| 6724 | 61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery. | †Nov. 20 | †Nov. 27 | 709 |
| 4021 | 62. PUGH, E. O., Games; Geometrical Instruments | Mar. 1 | Feb. 28 | 555 |
| 4020 | 63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation | Feb. 18 | Feb. 23 | 336 |
| 4703 | 64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel. | Jan. 14 | Jan. 14 | 1,205 |
| 5612 | 65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission | †Dec. 27 | †Dec. 24 | 639 |
| 2006B | Trade-Marks, Labels, and Prints: F. A. RICHMOND (Trade-Marks | Apr. 13 | Apr. 20 | 1,267 |
| | (Labels and Prints | Apr. 21 | May 2 | 199 |
| 2005 | Designs: H. H. KALUPY | Apr. 8 | Apr. 20 | 648 |



# DECISIONS IN PATENT AND TRADE-MARK CASES

## U. S. Court of Customs and Patent Appeals

IN RE LOWRY

*No. 3,844. Decided January 24, 1938*

[93 F.(2d) 909]

1. PATENTABILITY—ESTOPPEL.
Record reviewed and *Held* that applicant, having failed to make the claims of a patent to H within two years after the issuance of that patent, is estopped from claiming the subject matter of those patented claims.

2. SAME—THERMIONIC CATHODES.
A claim for improvements in thermionic cathodes *Held* unpatentable in view of the prior art and certain other claims which call for both cobalt and nickel *Held* patentable.

3. SAME—SAME—UNDUE BREADTH OF CLAIMS.
Certain claims *Held* unpatentable as being indefinite and broader than applicant's invention.

APPEAL from the Patent Office. Modified.

*Mr. O. H. Eschholz* (*Mr. Loyd H. Sutton, Mr. F. W. Lyle, Mr. R. W. Bailey,* and *Mr. Raymond Jones* of counsel) for Lowry.

*Mr. R. F. Whitehead* (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 9, 14, 15, 20, 22, 33 to 41, inclusive, 45, and 46 in appellant's application for a patent for an alleged invention relating to improvements in thermionic cathodes.

Claims 9, 20, 33, 34, and 35 are illustrative of the appealed claims. They read:

9. In combination, a filament comprising cobalt-nickel, an ingredient which renders the cobalt-nickel composition forgeable and a coating of electron-emissive oxide.

20. In combination with an evacuated container, an electrode comprising a base metal composed of an alloy comprising cobalt, nickel and titanium and a layer of electron-emissive material on said base metal, said cobalt-nickel being from 80 percent to 95 percent of said alloy.

33. A cathode for an electron discharge device composed of an alloy comprising a base selected from the group comprising nickel and cobalt and constituting at least 90% of the alloy, and an added quantity of silicon, the silicon constituting at least ½ to 1% of the alloy.

34. An electrically conductive core for a thermionically active cathode comprising an alloy of nickel and silicon.

35. A cathode element for an electron discharge device composed of an alloy comprising a base selected from the group comprising nickel and cobalt and constituting at least 90% of the alloy, and an added quantity of substance taken from the group comprising silicon, titanium, vanadium and zirconium, the added quantity including at least silicon and titanium, the silicon constituting at least ¼ of 1% of the alloy, and the titanium constituting at least ¼ of 1% of the alloy.

The references are: Hallock, 1,695,845, December 18, 1928; Mandell, 1,769,229, July 1, 1930.

Appellant's alleged invention relates to thermionic cathodes composed of an alloy of nickel and cobalt, and other metals. We quote from his specification:

The alloy that I have found to be the most satisfactory, comprises, nickel, cobalt, iron and titanium. Varying proportions of these elements have been employed with an approximation of equally good results. I have used alloys containing Ni and Co [nickel and cobalt] in the aggregate of 80 to 95%, in which the Ni and Co [nickel and cobalt] were present in proportions ranging from 95 to 5% Ni to 5 to 95% Co. *The combination Ni-Co* [nickel-cobalt] *has a higher resistance and is less susceptible to chemical attack by the oxide-coating materials used than either of the metals alone.* The remainder of the alloy consists of metals which render the Ni-Co [nickel-cobalt] alloy forgeable and, among other things, remove oxides from the alloy.

Therefore, I introduce into the alloy from 5 to 20% of Fe-Ti [ferrotitanium], Va-Fe [ferrovanadium], Si-Fe [ferrosilicon] or Mo-Fe [ferromolybdenum] in an amount sufficient to render the Ni-Co [nickel-cobalt] forgeable and ductile so that the ingot may be reduced to a fine wire or may be otherwise shaped. [Italics ours.]

Preferred examples are stated in appellant's application to be "80 parts nickel, 20 parts cobalt, 7½ parts iron, [and] 2½ parts titanium." The iron and titanium, it is stated, are "used in the form of a ferrotitanium alloy." An analysis of appellant's alloy, which was stated to be typical, is "Nickel, 70%, Cobalt, 19½%, Iron, 7½%, [and] Titanium, 2½%." In referring to his process of of preparing his alloy, appellant states:

The above-mentioned proportions of nickel, cobalt, and ferro-titanium are melted together in an electric furnace, care being taken to prevent access of oxygen. After the melt is completed and just before casting, a small amount of magnesium and aluminum is added to serve as deoxidizing agents. There is also a possibility that the ferro-titanium functions as a deoxidizing agent as well, and it is within the scope of my invention to use ferro-titanium, ferro-vanadium, *silicon,* ferro-silicon, manganese or ferro-manganese. [Italics ours.]

Appellant's application was filed October 28, 1926. On October 13, 1933, it was amended, in part, as follows:

Where the expression "cobalt-nickel" occurs in the claims, it signifies that the proportion of cobalt to nickel lies within the limits specified previously, namely, 95 to 5% nickel and 5 to 95% cobalt. Where the claims state that a core or alloy or filament comprise particular elements, it means that no other substances are present in such amount as would substantially affect the properties of the resulting material.

It will be observed that appellant's thermionic cathode is composed of an alloy consisting of a combination of nickel and cobalt, in specified proportions, to which is added another metal or metals, as set forth in the application, to render the nickel-cobalt composition forgeable and to serve as deoxidizing agents. Appellant's application states that the combination of nickel and cobalt is important, because it

"has a higher resistance and is less susceptible to chemical attack by the oxide-coating materials used than either of the metals [nickel or cobalt] alone."

The patent to Mandell was issued July 1, 1930, on an application filed May 19, 1925. It relates to alloys for

"electrode and contact elements which are subject to electric arcs, such as the contact elements of timing devices and circuit making and breaking devices and the electrodes of spark plugs."

The patent discloses an alloy composed of nickel and not less than ½ of 1% and preferably not more than 7% of silicon. Any or all of other elements, such as manganese, vanadium, titanium, tungsten, aluminum, iron, zirconium, and chromium, may be used as constituents in the patentee's alloy. It is stated in the patentee's application that cobalt might be substituted for nickel, or that those metals might be used in combination, but that, when so

used, the amount of one should be small in proportion to the amount of the other, because

"when large amounts of these elements are present simultaneously, the thermal and electrical conductivities of the resultant alloy are considerably lowered, which is an undesirable effect."

The patent to Hallock was issued December 18, 1928, on an application filed October 27, 1927. It relates to an alloy for

"electron-emitting cathodes of the oxide coated type, such as are used in thermionic discharge devices, and more particularly to an electrically conductive core or base for such cathodes."

The patentee's alloys are composed of nickel and silicon or nickel and manganese. The nickel-silicon alloy consists of nickel and from 2 to 6% silicon, and the nickel-manganese alloy consists of nickel and from 2 to 4% manganese.

For the purpose of clarity, we restate that the patent to Mandell was issued July 1, 1930, on an application filed May 19, 1925; that appellant's application was filed October 28, 1926, approximately 17 months after the filing of the Mandell application; and that Hallock's application, which matured into Patent No. 1,695,845 December 18, 1928, was filed October 27, 1927, one year subsequent to the filing of appellant's application. The three applications were, therefore, copending in the Patent Office.

The patent to Hallock contains four claims, which, due to the fact that they are involved in the issues before us, we deem it advisable to quote. They read:

1. An electrically conductive core for a thermionically active cathode comprising an alloy of nickel and silicon.
2. An electron-emitting cathode comprising an alloy of nickel and silicon and a coating thereon of thermionically active material.
3. A metal core for an electron-emitting cathode of the oxide coated type composed of an alloy of nickel and about 3% of silicon.
4. An electron-emitting cathode comprising a core composed of an alloy of a metal of the group containing nickel and up to 6% of silicon.

It will be observed that those claims relate to thermionic cathodes composed of an alloy of nickel and silicon, as stated in claims 1 and 3, nickel and silicon and a

"thermionically active material,"

as stated in claim 2, and an

"alloy of a metal of the group containing nickel [but one of the metals of that group being included] and up to 6% of silicon,"

as defined in claim 4.

Quoted claim 4 of the Hallock patent is probably sufficiently broad to include either cobalt or nickel, but neither it, nor any other of the Hallock claims, is sufficiently broad to include both; whereas appellant's appealed claims, except claims 33, 34, 35, 36, 40, and 41, hereinafter discussed, relate to alloys containing both nickel and cobalt. (The significance of comparing appellant's alloys with those of the patentee Hallock, will later become apparent.)

On June 13, 1929, an interference was declared between the Hallock patent and an application of Mandell, filed November 20, 1926. (This is not the application which matured into the Mandell patent of record.) Quoted claims 1 and 4 of the Hallock patent were involved in that interference, and priority of invention was awarded to Mandell.

On February 6, 1932, an interference (No. 63,138) was declared between the Mandell application of November 20, 1926 (the application involved in the prior interference), appellant's present application, and the application of one Matthew A. Hunter. The count there in issue reads:

An element for an electron discharge device composed of an alloy comprising a base selected from the group comprising nickel and cobalt and constituting at least 90% of the alloy, and an added quantity of silicon, the silicon constituting at least ½ to 1% of the alloy.

The count calls for an electron discharge device composed of an alloy having a "base" selected from the group containing nickel and cobalt. It does not call for an alloy having a base composed of both nickel and cobalt.

On motion to dissolve, made by Mandell, the tribunals of the Patent Office concurred in holding that the count was unpatentable to appellant. The reasons assigned for such holding were that, as appellant had failed to copy the claims of the Hallock patent within two years subsequent to its issuance, he was estopped to claim the subject matter of the claims patented to Hallock; that the patent to Mandell (which is prior art so far as appellant's application is concerned, and is cited as a reference in the case at bar) disclosed the same alloy as that defined in the count there in issue; and that, as the claims of the Hallock patent were for thermionic cathodes composed of an alloy of the "same class" as that defined in that and other counts proposed by appellant, those claims could be relied upon to suggest the use of the alloy described in the Mandell patent for thermionic cathodes. It was squarely held, however, that the Mandell patent, standing alone, was not an anticipation of the count there in issue, because it did not relate to thermionic cathodes.

In the instant case, appealed claim 34 corresponds to claim 1 of the Hallock patent. The tribunals of the Patent Office concurred in holding that appellant was estopped to make that claim because of his failure to copy it within two years of the date of the issuance of the Hallock patent. All of the other appealed claims were rejected on the patent to Mandell in view of the disclosure in the claims of the Hallock patent, for the reasons assigned by the tribunals of the Patent Office in the interference, No. 63,138, and claims 9, 14, 15, 22, 40, 41, 45, and 46 were rejected for the additional reason that they were indefinite and broader than appellant's invention.

In its decision in the instant case, affirming the decision of the Primary Examiner holding that all of the appealed claims were unpatentable over Mandell in view of the claims of the Hallock patent, the Board of Appeals quoted from, and relied upon, the decision of the Board of Appeals in interference No. 63,138, supra. The Board's quotation from that decision reads, in part, as follows:

Lowry also appeals from the holding of the Examiner of Interferences that the count of the interference and proposed counts A, F, G, and H (appealed claims 33, 37, 38, and 39) are unpatentable to Lowry over Mandell 1,760,229, in view of the claimed subject matter of Hallock 1,695,845. Said Mandell patent issued on an application filed May 19, 1925, *which is prior to the earliest date alleged in Lowry's preliminary statement.* This patent discloses electrode and contact elements formed of an alloy of nickel and silicon in the proportion of 1 to 5%. *The Examiner held that this Mandell patent alone is not an anticipation as it does not relate to electron discharge devices.* He relied upon the claims of the Hallock patent to suggest the use of the Mandell alloy for vacuum tube structures and held that these two patents combined render the count and proposed counts A, F, G, and H [appealed claims 33, 37, 38, and 39] unpatentable to Lowry. *Lowry* contends that the Hallock patent is not a pertinent reference because it issued on an application filed subsequent to his application involved in the interference. The Examiner of Interferences, however, did not hold that the Hallock patent was a reference for all it discloses but merely for the subject matter of the claims. This arises from the fact that Lowry is estopped to make the claims of the Hallock patent by his failure to make them within two years. The failure of Lowry to make said claims within two years must be held an admission that he is not the inventor of the subject matter thereof and is analogous to the disclaimer of Rule 96 for a failure to make a suggested claim. We find no error in the Examiner's holding that the Hallock patent to this extent may be combined with the Mandell patent to render the count and proposed counts A, F, G, and H [appealed claims 33, 37, 38, and 39] unpatentable to Lowry. [Italics ours.]



Is appellant estopped to claim the subject matter of claim 34 which corresponds to claim 1 of the Hallock patent, as held by the tribunals of the Patent Office? The claim relates to an alloy of nickel and silicon for thermionic cathodes.

If appellant disclosed the invention claimed in the Hallock patent, and failed to make claims to it within two years after the issuance of that patent, he is estopped from thereafter claiming the subject matter of those patented claims. However, if appellant originally disclosed and claimed the subject matter of the Hallock claims, and continuously asserted his right to a patent for such subject matter, as counsel for appellant here contend, estoppel does not lie. *Rowntree* v. *Sloan*, 45 App. D. C. 207, 227 O. G. 744; *Chapman* v. *Beede*, 54 App. D. C. 209, 296 Fed. Rep. 956; 323 O. G. 230; *Chapman et al.* v. *Wintroath*, 252 U. S. 126, 272 O. G. 913.

Counsel for appellant contend that some of appellant's original claims (particularly claims 1, 3, and 7), claimed the subject matter defined in the Hallock patented claims, and that, therefore, appellant is not estopped to claim that subject matter.

An examination of appellant's original claims 1, 3, and 7, discloses that claims 1 and 3 relate broadly to alloys and are not limited to alloys for thermionic cathodes, and that claim 7 relates to an alloy for thermionic cathodes comprising both cobalt and nickel and another element.

[1] We must hold, therefore, that appellant's original claims were not for substantially the same subject matter as that defined in the Hallock patented claims, and that he is estopped from claiming the subject matter of claim 34.

With reference to the rejection of the other appealed claims on the patent to Mandell in view of the subject matter of the Hallock claims, counsel for appellant contend, inter alia, that Mandell does not disclose the alloys claimed by appellant, and, therefore, is not a proper reference.

Due to the views we hold, we deem it unnecessary to discuss that issue in detail. It is sufficient to say that the patent to Mandell does disclose an alloy composed of cobalt and nickel in combination, together with the addition of small amounts of any or all of the following substances disclosed and claimed by appellant: iron, zirconium, titanium, vanadium, manganese, and silicon.

The decision of the Board of Appeals was based upon the proposition that the patent to Mandell disclosed the alloys defined in the appealed claims, and that, although the patent to Mandell was not an anticipation of those claims because it did not disclose the use of those alloys in thermionic cathodes, the claims in the Hallock patent did disclose the use of alloys of the "same class" for thermionic cathodes.

As hereinbefore noted, the claims in the Hallock patent do not relate to alloys containing both cobalt and nickel; whereas, all of the remaining appealed claims, except claims 33, 35, 36, 40, and 41, call for alloys containing both cobalt and nickel.

It is true that the patentee Mandell stated that cobalt could be substituted for nickel, and it may be that those two metals are equivalents in Mandell's alloys for the uses to which his alloys are put. However, there is nothing of record, except the Examiner's statement, to establish that those metals are equivalents and may be substituted for each other in alloys for thermionic cathodes. On the contrary, appellant's application teaches, as hereinbefore noted, that they are not equivalents in an alloy for thermionic cathodes. Furthermore, the record contains two affidavits of Porter H. Brace, an expert in metallurgy and one eminently qualified to speak authoritatively on the subject, wherein it is pointed out that cobalt and nickel are not equivalents in an alloy for thermionic cathodes, and that in the combination of cobalt and nickel there is some

"interaction of the molecules of the one material with those of the other, which gives an increased hot-strength over what would be obtained from a mere mixture of two mutually indifferent metals. * * * The cobalt and the nickel are clearly not equivalent to each other since the cobalt gives improved results over the nickel alone. But more important still, this unexpected excess of hot-strength over that normally to be expected from an admixture of cobalt with nickel shows an important improvement due to the cooperation and interaction of the two, * * * throughout the entire range of constitution covered by the appealed claims."

We hold, therefore, on the record in this case that, when used in alloys for thermionic cathodes, cobalt and nickel are not equivalents.

As hereinbefore noted, the quoted claims in the Hallock patent do not define an alloy composed of both cobalt and nickel. Obviously, then, although Hallock was claiming an alloy for thermionic cathodes, he was not claiming the same alloy as that disclosed and claimed by appellant in appealed claims 9, 14, 15, 20, 22, 37, 38, 39, 45, and 46. See quoted claims 9 and 20 which, so far as the cobalt-nickel composition is concerned, are illustrative of that group of claims.

In view of the fact that the tribunals of the Patent Office concurred in holding that Mandell alone was not a sufficient reference for the rejection of the appealed claims, and as the claims in the Hallock patent do not suggest the use of both cobalt and nickel in alloys for thermionic cathodes, we must hold that the rejection of such of the appealed

claims as call for both cobalt and nickel—claims 9, 14, 15, 20, 22, 37, 38, 39, 45, and 46—on the patent to Mandell in view of the claims of the Hallock patent was not proper.

Claims 33, 35, 36, 40, and 41 relate to thermionic cathodes composed of alloys "comprising a base selected from the group comprising nickel and cobalt." Those claims call for an alloy having a base selected from the group containing nickel and cobalt. They do not call for an alloy having a base composed of both nickel and cobalt, and, in this respect, correspond to the quoted count in interference No. 63,138, and quoted claim 4 of the Hallock patent.

Claim 33 also calls for silicon of at least ½ to 1% of the alloy, and, therefore, is directed to substantially the same subject matter as called for in claim 4 of the Hallock patent. However, claims 35, 36, 40, and 41 differ from claim 33 in that they call for the inclusion of elements not mentioned in the claims of the Hallock patent. Claim 35 specifies "titanium" in an amount constituting at least ¼ of 1% of the alloy. Claim 36 calls for "vanadium" in an amount constituting at least ¼ of 1% of the alloy. Claim 40 calls for an

"added quantity of substance taken from the group comprising titanium, ferro-titanium, ferro-vanadium, ferro-silicon, manganese and ferro-manganese, *the added quantity including titanium* in an amount of at least ¼ of 1% of the alloy." [Italics ours.]

Claim 41 calls for an "added quantity of substance" taken from the same group mentioned in claim 40, the added quantity to include "ferro-titanium" in an amount of at least 5% of the alloy.

[2] In view of the fact that "small changes in percentages of the ingredients often produce alloys of totally different characteristics," as stated by the Primary Examiner in holding some of the appealed claims to be indefinite and broader than appellant's invention, we are unable to hold that claims 35, 36, 40, and 41, which call for elements not mentioned in the claims of the Hallock patent, do not relate to patentably different subject matter. We are of opinion, therefore, that the claims of the Hallock patent do not suggest the use of the alloys defined in claims 35, 36, 40, and 41 for thermionic cathodes, and that the Board erred in rejecting those claims on the patent to Mandell in view of the claims in the Hallock patent. However, for the reasons stated by the Board of Appeals, we think claim 33 was properly rejected on the patent to Mandell in view of the subject matter of the claims in the Hallock patent. *De Ferranti* v. *Harmatta*, 50 App. D. C. 393. See also *In re Cole*, 23 C. C. P. A. (Patents) 1057, 82 F.(2d) 405, 470 O. G. 725, and cases cited therein.

Claims 9, 14, 15, 22, 40, 41, 45, and 46 were rejected by the tribunals of the Patent Office on the ground that they were indefinite and broader than appellant's invention. In so holding, the Primary Examiner pointed out that those claims were sufficiently broad

"to cover an alloy having a negligible amount of nickel-cobalt and any amount of an ingredient which renders the nickel-cobalt forgeable,"

and that no basis for such claims is contained in appellant's specification. He further stated that claims to an alloy should specifically state the percentages of the cobalt-nickel composition as well as the percentages of other ingredients, because, he said,

"it is well-known small changes in percentages of the ingredients often produce alloys of totally different characteristics."

In support of his views, the Examiner cited the decisions of this court in the cases of *In re Daniel Gray et al.*, 19 C. C. P. A. (Patents) 745, 53 F.(2d) 520, 415 O. G. 220; *In re Lowry*, 22 C. C. P. A. (Patents) 838, 74 F.(2d) 308, 454 O. G. 283.

[3] We have carefully examined each of those claims in view of the arguments presented by counsel for appellant in support of their contention that the claims were improperly rejected. We are of opinion, however, for the reasons stated by the Primary Examiner, in view of the authorities cited, that those claims were properly rejected as being indefinite and broader than appellant's invention.

Although, as amended, appellant's application contains the statement that "Where the expression 'cobalt-nickel' occurs in the claims," it signifies that the "proportion" of those substances "lies within the limits" of "95 to 5% nickel and 5 to 95% cobalt," and that where the claims state that the alloy of which the thermionic cathodes are composed comprises particular elements, it should be understood that no other substances are present in an amount that will substantially affect the properties of the alloy, such limitations are not contained in, and we cannot read them into, the claims which were rejected as being indefinite and broader than appellant's invention. *In re Lowry*, supra.

For the reasons stated, the decision of the Board of Appeals is modified, being reversed as to claims 20, 35, 36, 37, 38, and 39, and in all other respects affirmed.

Modified.

GRAHAM, the late Presiding Judge, sat during the argument of this case, but died before the opinion was prepared.

## U. S. Court of Customs and Patent Appeals

CONOVER v. KOCH

*No. 3,869. Decided January 24, 1938*

[93 F.(2d) 917]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that C reduced the invention to practice before the filing date of the K application, relied upon for conception and reduction to practice by K, and that priority should have been awarded to C.

APPEAL from the Patent Office. Reversed.

*Mr. Joseph R. Mares* for Conover.

*Messrs. Hauff & Warland* for Koch.

GARRETT, *P. J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office in an interference proceeding affirming the decision of the Examiner of Interferences awarding priority to the party Koch upon a single count which reads:

1. The process for the production of pure benzoic acid which comprises treating crude benzoic acid obtained from phthalic anhydride with a small amount of water which is sufficient to dissolve any phthalic acid and phthalic anhydride present, thereby hydrating the phthalic anhydride, and separating the solution from the benzoic acid.



Before us there was no appearance for appellee, nor was any brief filed in his behalf.

The interference was declared between an application of the party Koch, filed February 25, 1929, and an application of the party Conover, filed June 16, 1930. Koch took no testimony and is restricted to his filing date for conception and reduction to practice. Upon Conover rests the burden of establishing conception and reduction to practice prior to Koch's filing date, or prior conception, coupled with diligence, from just prior to the date upon which Koch filed.

Originally two counts were involved in the interference and, as to both Conover moved to dissolve on the ground that the disclosure of Koch did not support them. The motion was sustained by the Examiner of Interferences as to count 2, but denied as to count 1, the count in issue. There was no appeal by the party Koch, and the party Conover proceeded to take testimony for the purpose of showing reduction to practice by him of count 1 prior to the filing date of Koch in whose application the count originated.

It will be observed that the count requires the treatment of

"crude benzoic acid obtained from phthalic anhydride with a *small amount of water* * * * sufficient to dissolve any phthalic acid and phthalic anhydride present, * * *"

with the result that the phthalic anhydride is hydrated and the solution is separated from the benzoic acid. [Italics ours.] The phrase "a small amount of water" does not appear in either specification but did appear in the original claim of the Koch application. Obviously, standing alone, the phrase is indefinite. It is, perhaps, clarified somewhat by the clause which follows "* * * sufficient to dissolve any phthalic acid and phthalic anhydride present." For the actual amounts of water whose use is taught we are remitted to the examples given in the specification of Koch and to the evidence relative to Conover's reduction to practice.

It appears that benzoic acid is manufactured from phthalic anhydride. It is said in the brief for Conover that two processes for its manufacture are known, one being by a vapor-phase process and one by a liquid-phase process. Conover holds patents for both processes, as is evidenced by three patents filed as exhibits to Conover's testimony, two of them covering separate features of the so-called liquid phase in which steam is bubbled through molten phthalic anhydride containing a catalyst. The steam reacts with the molten anhydride and forms benzoic acid, but the transformation is not complete under all conditions and, as a result, there must be purification to remove the unreacted phthalic anhydride. The invention at issue relates to the last-named step.

The following statement is made in the brief for Conover and appears to be based upon Conover's specification:

One step in the process of removing the phthalic anhydride consists in hydrolyzing the anhydride with water to form phthalic acid. In the second step the phthalic acid is dissolved by the addition of more water. Thus, it is to be noted that water serves two functions:
1. To hydrate the phthalic anhydride to form phthalic acid.
2. To dissolve the phthalic acid.

The brief then adds:

The amount of water required for the first function is small compared to the amount of water required for the second function. A great deal of water for one function might easily be an insufficient quantity for the second function. * * *.

While we have no reason to question the accuracy of this last statement, it is not found specifically set forth in the specification.

The specification of Koch recites:

According to my present invention the purification of the crude benzoic acid is effected by treating it with a reducing agent, converting any phthalic anhydride present into a readily soluble compound, such as phthalic acid or readily soluble salts, and removing the impurities by leaching with water or aqueous solutions. By the said treatment with a reducing agent any naphthoquinones that may be present in the crude benzoic acid, are converted into readily soluble naphthohydroquinones.

The process according to my invention may be carried out by making the crude benzoic acid, which has previously been brought into a state as finely divided as possible, so that its particles have a diameter of, for example, 0.01 to 0.02 millimeter, into a paste with water and treating that paste while stirring with sodium bisulphite or gaseous sulphur dioxide; thereby the naphthoquinones are converted into the corresponding naphthohydroquinones and any phthalic anhydride present is converted into phthalic acid. By filtering the mass by suction, the aqueous solution which contains the impurities is removed, and practically pure benzoic acid is left on the filter. If necessary, the said operation may be repeatedly applied.

* * * In case the crude benzoic acid is free from naphthoquinone, the treatment with a reducing agent may even be dispensed with. * * *

It will be observed from the foregoing that, except in cases where naphthoquinone is absent from the crude benzoic acid, Koch teaches the use of a reducing agent, sodium bisulphite or gaseous sulphur dioxide being named as such. Sodium carbonate is also named in the Koch specification.

The Conover specification recites that

"It is advantageous to add a small quantity of a basic material such as sodium carbonate to the crude benzoic acid."

The count makes no mention of a reducing agent.

Koch gives a number of examples illustrating the ingredients and proportions thereof used by him. It is noted that in the examples so given he mentions the use of a reducing agent, such as sodium sulphite and sodium bicarbonate. In three of the examples here pertinent the proportions of water to crude benzoic acid is that of 3 parts water and 1 part acid; in a fourth example the proportion is that of 2 parts water to 1 part acid. No example is given of the proportions of water and acid when no reducing agent is shown.

In the Conover specification it is recited, in substance, that he distills benzoic acid with steam, and that he thus obtains a "condensate consisting essentially of equal amounts by weight of water and benzoic acid." This, as we understand it, is the step of hydrolyzing the anhydride with water, and it is followed by dissolving the phthalic acid by adding more water. We do not find any statement in the specification showing the propertions

of water and acid used by Conover to begin the first step, nor is there any definite statement therein of the amount of water added to perform the second step.

Upon these questions testimony was adduced on behalf of Conover, he himself testifying, his testimony being supplemented by that of a witness named Haake, an assistant chemist in the employ of Conover's company.

The oral testimony is not clear as to the amounts of water used. It is pointed out by the Board that Conover stated that, in general, the condensate contained a great deal of water, and that Haake stated that "an appreciable quantity of water was condensed, that they always used an excess of water."

However, in connection with the oral testimony a number of exhibits were filed, certain of these being a series of note books and papers in which were kept records of processes carried out over a number of years at Conover's plant, some of the earlier of these being in June and July, 1925. According to the oral testimony, the result obtained by these processes was satisfactory—the end sought being accomplished. It should be stated that both applications teach the repetition of the process where necessary to attain the desired degree of purity.

It is urged by counsel for Conover that the testimony with respect to the use of "an excess of water," or "a great deal of water," related to amounts used in the step of hydrolyzing phthalic anhydride to form phthalic acid, and not to the amount required for the step of dissolving the phthalic acid. Our review of the oral testimony upon this point, taken in connection with the pertinent experiments recited in the exhibits alluded to, leads us to the conclusion that the contention of counsel for Conover in this regard is correct.

In one of the exhibits, marked as No. 11, there are shown the proportions of water, phthalic acid, and benzoic acid present in different experiments at the Conover plant, and a table in the brief for Conover, prepared from the experiment records, shows the use in one instance of 273 parts of water to 100 parts of combined benzoic acid and phthalic acid; in another of 345 parts of water to 100 parts of the combined materials, and in another of 1090 parts of water to 100 parts of the combined materials. The first two are quite near the range of Koch's examples of 3 to 1 proportions. The experiments, or processes, so shown were carried out prior to the filing date of the Koch application.

The decisions of the tribunals of the Patent Office seem to have been greatly influenced by the teaching of Koch to the effect that when the crude benzoic acid is free from naphthoquinone the use of a reducing agent may be dispensed with. It is assumed that the reasoning of the tribunals in this connection was that if the reducing agent be dispensed with a less amount of water is required. We find no teaching to this effect in the Koch application.

As has been pointed out, in all the pertinent examples of Koch where proportions are stated, a reducing agent is included, none being given where no such agent is present.

As we interpret the record, the use of the water in the Conover process, as described in his Exhibit 11, was in the same relationship and for the same purpose as the use of the water in the pertinent examples recited in the Koch specification—that is, for the final step of removing the unreacted phthalic anhydride. It is pointed out by appellant that the Examiner of Interferences in denying Conover's motion to dissolve as to the count in issue expressly held that by reason of Koch's examples (particularly Example 2 where use was taught of 3 parts of water to 1 part of benzoic acid) taken in connection with the statements of the claim which became the count, the count was supported by the Koch disclosure. This, in effect, amounted to a holding that 3 parts of water to 1 part acid supports the limitation, "a small amount of water."

We do not have, in this proceeding, any question of patentability, nor is there any question made as to Conover's disclosure being sufficient to support the count. The only question is whether Conover reduced the invention to practice before Koch's filing date. It seems to us that by the use, respectively, of 273 parts of water to 100 parts of acid and 345 parts of water to 100 parts of acid, he came reasonably within the range taught by at least three of Koch's examples, and since this was done by Conover prior to the filing date of Koch, we are of the opinion that priority should be awarded the former.

Accordingly, the decision of the Board of Appeals is reversed.

Reversed.

GRAHAM, late Presiding Judge, sat during the argument of this case, but died before the opinion was prepared.

## Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,342,894, L. W. Bugbee, Illuminating apparatus; 1,385,162, E. D. Tillyer, Motion picture projection apparatus; 1,434,268, same, Illuminating and projection apparatus, D. C., N. D. Ill., E. Div., Doc. 15420, *Society for Visual Education, Inc., et al.* v. *The Webster Co.* Consent decree holding patents valid and infringed, injunction Mar. 16, 1938.

1,385,162. (See 1,342,894.)

1,400,171, J. L. Kraft, Process of preparing cheese, filed Mar. 31, 1938, D. C., E. D. Ill. (Danville), Doc. 873-D, *Kraft-Phenix Cheese Corp.* v. *Middle States Cheese & Butter Mfg. Co.*

1,403,475, H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. De Forest, Radiosignaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,936,162, R. A. Heising, Transmission system; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, D. C., N. D. Ill., E. Div., Doc. 15954, *R. C. A. et al.* v. *B. Friedman et al.* (*Lake Sales Radio Co.*). Consent decree finding patents valid and infringed, injunction Feb. 21, 1938.



1,403,932. (See 1,403,475.) 1,434,268. (See 1,342,894.)

1,507,016. (See 1,403,475.) 1,507,017. (See 1,403,475.)

1,537,050, 1,537,051, A. Campbell, Railway-car construction, D. C., N. D. Ill., Doc. 14957, *Enterprise Rwy. Equipment Co.* v. *Pullman-Standard Car Mfg. Co.* Claims 10 and 12 of 1,537,050, and claim 9 of 1,537,051 held invalid June 10, 1937. Decree affirmed Mar. 22, 1938.

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1,572,150, K. Kiefer, Filling machine; 1,880,257, same, Method of cleaning bottles, filed Mar. 16, 1938, D. C., N. D. Ill., E. Div., Doc. 15980, *The Karl Kiefer Machine Co.* v. *U. S. Bottlers Machinery Co.*

1,593,264, J. A. Kelly, Shoe; 1,714,271, same, Process of making shoes, D. C., S. D. N. Y., Doc. E 81/130, *Kelly Process, Inc., et al.* v. *Delman, Inc.* Dismissed without prejudice Mar. 25, 1938.

1,613,017. (See 1,403,475.)

1,619,454, O. Zerk, Lubricant receiving nipple; 1,619,455, same, Lubricating nipple, D. C., N. D. Ill., E. Div., Doc. 15820, *Stewart-Warner Corp.* v. *V. L. Jacobs.* Patents held valid and infringed, injunction Nov. 19, 1937.

1,619,455. (See 1,619,454.)

1,654,167, W. A. Gibbons, Process for vulcanizing rubber; 1,784,523, E. Hopkinson, Method of rubberizing fibrous material and article produced thereby; 1,816,574, Foster & Cook, Pile or tufted sheet fibrous material, appeal filed Mar. 31, 1938, C. C. A., 2d Cir., Doc. —, *U. S. Rubber Co.* v. *Sidney Blumenthal & Co., Inc.*

1,689,812, F. P. Wood, Fibre board and process of making same; 2,073,894, same, Panelboard and method of making same, D. C., N. D. Ill., E. Div., Doc. 15651, *Simplex Paper Corp.* v. *The Ruberoid Co., Inc.*, Dismissed Jan. 24, 1938.

1,714,271. (See 1,593,264.) 1,730,214. (See 1,555,628.)

1,746,028. (See 1,762,547.)

1,762,547, R. H. Churchill, Heat conducting system; 1,827,731, same, Advertising display board; 1,746,028, same, Material and method of sealing leaks in liquid circulating systems, filed Mar. 2, 1938, D. C., N. D. Ill., E. Div., Doc. 15966, *R. F. Churchill* (*A Try Mfg. Co.*) v. *C. H. Leeperance* (*Producers, Ltd.*).

1,771,983, 1,774,497, K. Waddel, Paper article and process of manufacture, D. C., N. D. Ill., E. Div., Doc. 15864, *International Collocotton Products Co. et al.* v. *Kresge Dept. Stores, Inc.* Dismissed without prejudice Feb. 16, 1938.

1,774,497. (See 1,771,983.)

1,777,120, 1,800,839, J. W. Lewin, Conduit coupling, D. C., N. D. Ill., E. Div., Doc. 13604, *J. W. Lewin* v. *G. Richardson et al.* Patents held valid and infringed June 29, 1936. Decree affirmed Nov. 12, 1937.

1,784,523. (See 1,654,167.) 1,800,839. (See 1,777,120.)

1,816,574. (See 1,654,167.) 1,827,731. (See 1,762,547.)

1,880,257. (See 1,572,150.)

1,880,534, 1,998,177, Bramer & Zabriskie, Production of hydroquinones, D. C., N. D. Ill., E. Div., Doc. 15383, *Eastman Kodak Co.* v. *Carus Chemical Co.* Consent decree, finding patents valid, injunction Jan. 28, 1938.

1,919,722, J. Hyman, Process for producing polymerized unsaturated hydrocarbons of relatively light color and product thereof; 1,919,723, same, Manufacture of products containing oxygen-absorbing mineral hydrocarbon polymers, D. C., N. D. Ill., E. Div., Doc. 15044, *The Pure Oil Co.* v. *J. Hyman et al.* Dismissed for want of equity Mar. 25, 1938.

1,919,723. (See 1,919,722.) 1,922,133. (See 2,048,217.)

1,936,162. (See 1,403,475.) 1,998,177. (See 1,880,534.)

2,048,217, M. Peterson, Windshield heater; 1,922,133, H. S. Houglum, same, D. C., N. D. Ill., E. Div., Doc. 15389, *M. Peterson* (*Liberty Mfg. Co. et al.*) v. *R. M. Decker Co., Inc., et al.* Dismissed without prejudice Jan. 24, 1938.

2,073,894. (See 1,689,812.)

2,092,692, A. G. Borden, Hair waving apparatus; Re. 17,832, same, Permanent hair waving appliance, filed Mar. 28, 1938, D. C., S. D. N. Y., Doc. E 86/369, *Borden Industries, Inc.*, v. *The Nestle-Lemur Co.*

Re. 17,832. (See 2,092,692.)

Re. 18,579. (See 1,403,475.)

Des. 84,659. (See Des. 89,447.)

Des. 89,447, Morgan & Schnell, Automobile radiator ornament; Des. 90,750, C. L. Cisle, same; Des. 84,659, Schnell & Giuntini, same; Des. 91,300, Schnell & Carlson, same, D. C., N. D. Ill., E. Div., Doc. 13745, *General Motors Corp. et al.* v. *Franklin Die Casting Co. et al.* Patents held valid and infringed, injunction Jan. 6, 1938.

Des. 90,750. (See Des. 89,447.)

Des. 91,300. (See Des. 89,447.)

Des. 91,490, Des. 93,564, H. Lewy, Advertising display card, D. C., S. D. N. Y., Doc. E 85/163, *H. Lewy* v. *Reynolds Metals Co., Inc., et al.* Consent order of discontinuance (notice Mar. 31, 1938).

Des. 92,421, Des. 92,422, O'Keefe & Smallen, Guard rail for stoves, filed Mar. 29, 1938, D. C., S. D. Calif. (Los Angeles), Doc. 1359-Y, *O'Keefe & Merritt Co.* v. *W. C. Gaffers et al.* (*Gaffers & Sattler*).

Des. 92,422. (See Des. 92,421.)

Des. 93,564. (See Des. 91,490.)

T. M. 101,699, Condensed Bluing Co., Bluing compound; T. M. 155,652, same, Condensed liquid bluing; T. M. 156,216, same, Bluing, D. C., N. D. Ill., E. Div., Doc. 14163, *The John Puhl Products Co.* v. *Thermo Chemical Co.* Consent decree finding trade-marks valid and infringed, injunction Jan. 19, 1938.

T. M. 155,652. (See T. M. 101,699.)

T. M. 156,216. (See T. M. 101,699.)

T. M. 245,077, The Visking Corp., Sausages and frankfurters; T. M. 246,105, same, Sausage casing, D. C., N. D. Ill., E. Div., Doc. 14175, *The Visking Corp.* v. *Transparent Package Co.* Dismissed on motion of plaintiff Dec. 27, 1937.

T. M. 246,105. (See T. M. 245,077.)

T. M. 268,674. (See T. M. 324,107.)

T. M. 282,214. (See T. M. 324,107.)

T. M. 297,327, Schenley Products Co., Whiskey; T. M. 313,132, J. S. Finch & Co., Gin, D. C., N. D. Ill., E. Div., Doc. 15678, *Schenley Products Co. et al.* v. *Old Penn Distr. Co. et al.* Discontinued without prejudice Mar. 18, 1938.

T. M. 313,132. (See T. M. 297,327.)

T. M. 315,138, T. M. 315,023, J. E. Seagram & Sons, Inc., Whiskey, D. C., N. D. Ill., E. Div., Doc. 14772, *J. E. Seagram & Sons, Inc.*, v. *Atlas Distilled Products, Inc., et al.* Consent decree granting injunction Feb. 8, 1938. (This suit was tried on unfair competition.)

T. M. 315,023. (See T. M. 315,138.)

T. M. 324,106. (See T. M. 324,107.)

T. M. 324,107, T. M. 324,108, T. M. 324,106, T. M. 282,214, T. M. 268,674, Adam Hat Stores, Inc., Men's hats, filed Mar. 28, 1938, D. C., N. D. Ill., E. Div., Doc. 16003, *Adam Hat Stores, Inc.*, v. *Adams Hat Shop, Inc., et al.*

T. M. 324,108. (See T. M. 324,107.)

## Adjudicated Patents

(C. C. A. Pa.) Voigt patent, No. 1,431,198, for transmission apparatus, *Held* valid and infringed. *American Safety Table Co.* v. *Singer Sewing Mach. Co.*, 95 F.(2d) 543.

(D. C. Mass.) Strand patent, No. 1,581,886, for sales and display card, *Held* invalid and not infringed. *Stransky Products Corporation* v. *E. H. Tate Mop & Cordage Co.*, 22 F. Supp. 759.

(D. C. Del.) Fessenden patent, No. 1,617,240, for method for wireless directive signalling, *Held* invalid. *Fessenden* v. *Radio Corporation of America*, 22 F. Supp. 777.

(D. C. Del.) Fessenden patent, No. 1,617,242, for wireless transmission and reception, *Held* invalid. *Id.*

(C. C. A. Okla.) Callison patent, No. 1,645,370, for amusement device, claim 6 *Held* invalid. *Callison* v. *Boyle*, 95 F.(2d) 575.

(D. C. N. Y.) Mueller patent, No. 1,764,573, for sewing-machine work support, *Held* invalid. *Lewis Invisible Stitch Mach. Co.* v. *Columbia Blindstitch Mach. Mfg. Corporation*, 22 F. Supp. 705.

(C. C. A. Ky.) Davis patent, No. 1,782,391, for process and mechanism for separating intermixed materials, claims 14 and 16 *Held* valid but not infringed. *Peale-Davis Co.* v. *West Kentucky Coal Co.*, 95 F.(2d) 655.

(C. C. A. Ky.) Davis patent, No. 1,786,739, for method and mechanism for separating divided materials, claims 35, 43, 45, and 50 *Held* valid and infringed. *Id.*

(C. C. A. Ky.) Davis patent, No. 1,787,340, for mechanism and process for separating intermixed divided materials, claims 11, 17, and 21 *Held* valid and infringed. *Id.*

(C. C. A. Ky.) Davis patent, No. 1,817,298, for process and mechanism for separating intermixed divided materials, claims 17 and 18 *Held* valid and infringed. *Id.*

(C. C. A. Ky.) Davis patent, No. 1,822,840, for process and mechanism for separating intermixed divided materials, claims 26, 30, and 35 *Held* valid but not infringed. *Id.*

(D. C. N. Y.) Mueller patent, No. 1,905,391, for sewing machine, claims 1, 3, 8, and 10 *Held* valid, but not infringed. *Lewis Invisible Stitch Mach. Co.* v. *Columbia Blindstitch Mach. Mfg. Corporation*, 22 F. Supp. 705.

(D. C. N. Y.) Dearborn patent, No. 1,964,381, for work supporting means for sewing machines, claim 3 *Held* valid and infringed. *Id.*

(D. C. Mass.) Storck patent, No. 1,988,056, for method and apparatus for duplicating printed matter, claims 1, 2, and 3 *Held* invalid. *Standard Mailing Machines Co.* v. *Ditto, Inc.*, 22 F. Supp. 722.

(D. C. N. Y.) Mueller patent, No. 1,989,602, for sewing machine, claims 1, 19, 20, 21, and 22 *Held* valid and infringed. *Id.*

(D. C. Mass.) Storck reissue patent, No. 19,951, for apparatus for duplicating imprinted matter, claims 3 and 8 *Held* invalid, and claims 19, 20, 21, 22, 29, 30, 32, 34, and 40 *Held* not infringed. *Standard Mailing Machines Co.* v. *Ditto, Inc.*, 22 F. Supp. 722.

## Trade-Mark Registrations Canceled

47,462. Medicinal preparation. S. H. Winstead Medicine Co., Paducah, Ky. Registered November 7, 1905. Renewed November 7, 1925. Canceled May 13, 1938.

51,694. Soap. A. Klipstein & Company, New York, N. Y. Registered April 24, 1906. Renewed April 24, 1926. Canceled April 29, 1938.

198,638. Stokers. Uniflow Stoker Company, Springfield, Ohio. Registered May 19, 1925. Canceled April 29, 1938.

248,831. Certain named clothing. Martin Brothers Company, Minneapolis, Minn. Registered October 30, 1928. Canceled May 13, 1938.

311,195. Laundry starch. A. E. Staley Manufacturing Company, Decatur, Ill. Registered March 20, 1934. Canceled May 13, 1938.

315,058. Distilled alcoholic liquors. Califruit Wineries, Inc., New York, N. Y. Registered July 17, 1934. Canceled May 7, 1938.

328,084. Beer. British American Brewing Co., Limited, Windsor, Ontario, Canada. Registered September 17, 1935. Canceled May 13, 1938.

339,846. Certain named women's clothing. Addison Underwear Co., Inc., New York, N. Y. Registered October 20, 1936. Canceled April 15, 1938.

340,223. Wines. Achaia Wine Company, Limited, Patras, Greece. Registered November 3, 1936. Canceled April 15, 1938.

342,721. Dental cream. Maurice E. Proctor, doing business as Proctors Products Co., New Haven, Conn. Registered January 26, 1937. Canceled May 13, 1938.

343,271. Beer circulating cooler. Beer-O-Lator Equipment Corp., Newark and Irvington, N. J. Registered February 16, 1937. Canceled April 15, 1938.

345,059. Capsules. Phoenix-Powers Co., Camden, N. J. Registered April 13, 1937. Canceled April 29, 1938.

347,079. Men's and boys' shirts and collars. Ely & Walker Dry Goods Company, St. Louis, Mo. Registered June 15, 1937. Canceled May 7, 1938.

347,323. Cleansing compound. V. C. Products Company, Inc., Philadelphia, Pa. Registered June 22, 1937. Canceled May 13, 1938.

349,264. Certain named chemical compound. Isidore Primost, doing business as Chem-"X" Research Laboratories, Elmhurst, N. Y. Registered August 24, 1937. Canceled May 13, 1938.

351,883. Bandeaux, brassières, girdles and corsets, and corselets. Mold Form Brassiere, Inc., New York, N. Y. Registered November 9, 1937. Canceled April 29, 1938.

352,054. Gummed cloth tape. Mid-States Gummed Paper Co., Chicago, Ill. Registered November 16, 1937. Canceled May 7, 1938.

355,870. Composition for external application to the human body. Meidol, Incorporated, New York, N. Y. Registered April 5, 1938. Canceled May 13, 1938.

## Disclaimers

1,823,143.—*Francis J. Hines*, Brooklyn, N. Y. ELECTRICAL RECEPTACLE. Patent dated September 15, 1931. Disclaimer filed May 3, 1938, by the assignee, *Hines Electrical Specialties, Inc.*

Hereby enters this disclaimer to claims 7 and 8 of said Letters Patent.

1,897,741.—*Heinrich Ulrich* and *Karl Saurwein*, Ludwigshafen-on-the-Rhine, Germany. SULPHURIC ESTER OF GLYCOL ETHERS. Patent dated February 14, 1933. Disclaimer filed May 4, 1938, by the assignee, *I. G. Farbenindustrie Aktiengesellschaft.*

Hereby enters this disclaimer to claims 1 and 3 of the above identified patent.

2,036,423.—*Carl J. Malm* and *Gale F. Nadeau*, Rochester, N. Y. SULPHONIC ACID ESTERS OF CELLULOSE DERIVATIVES AND THE PREPARATION THEREOF. Patent dated April 7, 1936. Disclaimer filed May 5, 1938, by the assignee, *Eastman Kodak Company.*

Hereby enters this disclaimer to claims 1, 2, 3, and 8 of said Letters Patent.

2,045,900.—*Oscar H. Dicke*, Rochester, N. Y. INTERLOCKING SYSTEM FOR RAILROADS. Patent dated June 30, 1936. Disclaimer filed May 5, 1938, by the assignee, *General Railway Signal Company.*

Hereby enters this disclaimer to claims 22, 25, and 26 of said Letters Patent.

# BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

## RENDERED DURING APRIL, 1938

DWINELL-WRIGHT COMPANY *v.* WHITE HOUSE MILK PRODUCTS CO., Cancellation No. 3051.

In a decision rendered April 8, 1938 (163 Ms. Dec. 14), *Assistant Commissioner Frazer* held that White House Milk Co., Inc., as assignee of White House Milk Products Co., of New York, N. Y., was not entitled to register the term "White House" in association with a picture of the White House, as a trade-mark for canned, unsweetened evaporated milk, in view of the prior adoption and use by Dwinell-Wright Company, of Boston, Mass., of substantially the same mark, as a trade-mark for coffee and tea, and that the registration which had been obtained by the White House Milk Products Co. should be cancelled.

In his decision he stated that since it was not claimed that the petitioner for cancellation had abandoned the use of its mark, the only question to be considered was whether the registrant was entitled to its registration at the date of its application therefor; and that question depended upon whether or not the goods were of the same descriptive properties.

He then, after stating that it must be regarded as settled today that canned milk is of the same descriptive properties as coffee and tea and that the Examiner of Interferences had based his decision on the grounds that the goods would not have been so considered at the time that the registration was granted in 1918, said:

"I am unable to adopt the Examiner's reasoning. The goods are the same now as they were in 1918, as is also the language of the statute. If confusion is now likely to result from the concurrent sale of canned milk and coffee under identical trade-marks that likelihood was necessarily present when respondent filed its application. Respondent's registration should have been refused because the mark was owned, registered and in use by petitioner, and 'appropriated to merchandise of the same descriptive properties,' when respondent's application was filed. Any views to the contrary then entertained in the Patent Office have since proved to be erroneous; and surely such administrative error cannot be said to have conferred upon respondent the right to use petitioner's trade-mark."

Then with respect to the argument that petitioner was estopped because it had been aware of respondent's use of the mark and had failed to object to such use, he said:

"At least since the decision of the Court of Customs and Patent Appeals in *Chesit, Peabody & Co.* v. *Hortogensis*, 17 C. C. P. A. 1166, 41 Fed.(2d) 94, it has been accepted doctrine that the language of section 13 of the Trade-Mark Act, to the effect that application to cancel a registration may be made 'at any time,' precludes the defense of laches in a cancelation proceeding instituted under the provisions of that section."

With respect to respondent's argument that petitioner's conduct amounted to "affirmative acts" as distinguished from "mere laches", he said:

"I think such conduct may be here considered as nothing more than evidence of petitioner's passive acquiescence in respondent's use of the mark. It is probable that a court of equity would refuse to enjoin respondent's continued use of the mark upon its particular goods; but as was said by the Court of Customs and Patent Appeals in *Procter & Gamble Co.* v. *J. L. Prescott Co.*, 22 C. C. P. A. 1173, 77 Fed.(2d) 98:

"'This Patent Office cancellation proceeding is governed by the terms of the statute, and its terms are not indefinite. It is intended to afford a means of canceling certain registrations, among them registrations which should not have been allowed. Registration is based upon the right of the registrant to the exclusive use of the mark sought to be registered. Equity frequently permits more than one person to use the same mark, since the conduct of the parties may affect the exclusive right to use. We have frequently pointed out this difference between our jurisdiction and that of the court of equity.'"

With respect to the argument that no actual confusion had been shown and in view of the long period of time during which the marks had been used, that circumstance was persuasive that confusion was unlikely, he said:

"That lack of actual confusion may properly be considered in determining the question of probable confusion has been expressly recognized by the Court of Customs and Patent Appeals in the very recent case of *E-Z Mills, Inc.*, v. *Martin Brothers Co.*, decided March 28, 1938, and not yet reported. But, as pointed out in the opinion, 'such evidence cannot be controlling;'" (Citing *Procter & Gamble Co.* v. *J. L. Prescott Co.*, supra.)

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UNITED STATES GYPSUM COMPANY *v.* REYNOLDS CORPORATION, Opposition No. 15,454.

In a decision rendered April 9, 1938 (163 Ms. Dec. 17), *Assistant Commissioner Frazer* held that Reynolds Corporation, of New York, N. Y., is not entitled to register a certain trade-mark for specified building materials, in view of the use of a certain other mark by the United States Gypsum Company, of Chicago, Ill., upon substantially identical goods.

With reference to the similarity of the goods, the Assistant Commissioner said:

"Both marks are pictorial in character. Each includes the representation of a gabled house, above which arises a tower-like structure. Applicant's design is more severely geometrical and somewhat less elaborate in detail than opposer's. Also opposer's mark has no border, while applicant's is partially outlined by four parallel lines extending down the sides and forming a curved base. Other differences are immediately apparent when the two marks are placed side by side; and when so compared they are, of course, readily distinguishable. It may even be that in the view of some observers the features of dissimilarity would so predominate that neither mark could be confused with the other under any circumstances. The general impression, however, that either mark would seem most likely to leave upon the average mind, is that of a gabled house and some towers. That the concurrent use of both, on identical merchandise, would be likely to lead to confusion, is not, in my opinion, so free from doubt as to warrant the registration applied for."

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DEFENDER MFG. COMPANY, INC., *v.* CAVENDISH TRADING CORPORATION, Opposition No. 16,057.

In a decision rendered April 11, 1938 (163 Ms. Dec. 19), *Assistant Commissioner Frazer* held that Cavendish Trading Corporation, of New York, N. Y., is not entitled to register the notation "White Beauty," as a trade-mark for blankets, sheeting, linens, etc., in view of the prior adoption and use by Defender Mfg. Company, Inc., of New York,

N. Y., of the term "American Beauty" associated with a picture of a bouquet of roses, on sheets, pillowcases and bedspreads.

In his decision the Assistant Commissioner said:

"I think the opposition was properly sustained. There are, of course, substantial differences between the two marks, the most striking of which lies in the pictorial feature of the mark of opposer. I agree with the Examiner, however, that this feature alone is not of sufficient importance to insure against the likelihood of confusion; and that the expressions 'American Beauty' and 'White Beauty,' by which the respective goods of the parties would necessarily be known and called for, are so nearly similar in sound, appearance and significance that the concurrent use of the marks on the particular goods involved would be reasonably likely to confuse the public and to deceive purchasers."

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FAY BARNES *v.* AFFILIATED ENTERPRIZES, INC., Opposition No. 15,486.

In a decision rendered April 11, 1938 (163 Ms. Dec. 18), *Assistant Commissioner Frazer* held that Affiliated Enterprizes, Inc., of Denver, Colo., is entitled to register the notation "Bank Night," as a trade-mark for "films for theatrical use."

In his decision, after noting that the opposer had not appealed from an adverse decision but the applicant had appealed from an ex parte refusal to register the mark, the Assistant Commissioner noted that the Examiner held the mark unregistrable for the following reasons:

"The record herein is deemed to show that applicant's films are used in connection with the awarding of sums of money held on deposit in banks, on designated nights, to the holders of numbers. * * * Under these circumstances the Examiner is persuaded that the notation 'Bank Night' is descriptive as applied to applicant's goods and barred from registration by section 5."

He then said:

"Section 5 of the Trade-Mark Act prohibits the registration of 'words or devices which are descriptive of the goods with which they are used, or of the character or quality of such goods.' In my opinion the words 'Bank Night' do not describe films for theatrical use, nor any characteristic or quality thereof. The mark is, of course, suggestive of the intended use to be made of the goods, but I do not think that fact alone is a bar to its registration. So far as the record discloses no one else has ever used the expression in connection with films, and in that particular association I think it indicates origin in applicant, and is a valid trade-mark."

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VITAB PRODUCTS, INC., *v.* KNOX COMPANY, Opposition No. 15,592.

In a decision rendered April 12, 1938 (163 Ms. Dec. 20), *Assistant Commissioner Frazer* held that Knox Company, of Los Angeles, Calif., is not entitled to register, as a trade-mark for certain medicines, the notation "Vi-Tabs", because it is the salient feature of opposer's corporate name.

In his decision, after noting that the main contention urged on appeal was that applicant's alleged predecessors in interest had adopted and used the mark before the date of opposer's incorporation, the Assistant Commissioner said:

"The question thus presented has been given careful consideration by this tribunal in at least four decisions, and it has been uniformly held that the quoted language of the statute must be construed as preventing registration of a corporate name, unless distinctively displayed, without regard to priority of use. *S. E. & M. Vernon, Inc.*, 146 Ms. D. 487; *Cracker Jack Co.* v. *Aspegren & Co.*, 342 O. G. 3, 1926 C. D. 2; *Cracker Jack Co.* v. *Aspegren & Co.*, 151 Ms. D. 549; *National Dairy Products Corporation* v. *Allied Mills, Inc.*, 469 O. G. 773, 30 U. S. P. Q. 274."

Then, after quoting from the last of the above decisions, he said:

"For the purpose of this decision it may be assumed that applicant's mark was in use by a predecessor before the date of opposer's incorporation. It should be noted, however, that opposer was organized in 1933, while in its application for registration applicant claims to have used its mark only since January 15, 1935. To establish a date prior to 1933 applicant relies upon certain assignments, which require no comment here other than to say that they are of such doubtful character as to be of little help to applicant even were the matter of dates material."

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THE HYGIENOL CO. INC. *v.* JEANNETTE POWDER PUFFS, INC., Opposition No. 15,513.

In a decision rendered April 16, 1938 (163 Ms. Dec. 21), *Assistant Commissioner Van Arsdale* held that Jeanette Powder Puffs, Inc., of Newark, N. J., is entitled to register as a trade-mark for powder puffs, a composite mark which includes the words "Fleecy Fluff", having thereunder a picture of a lamb in a leaping position extending across a black background, the upper part of which is designed to be suggestive of the sun, and across the lower part is a design which seems to depict growing flowers, notwithstanding the prior registration by The Hygienol Co. Inc., of New York, N. Y., of a composite trade-mark for the same goods comprising two concentric circles with the word "Hygienol" between them and a representation of the head and shoulders of a sheep or lamb with a medallion bearing a monogram formed by the letters ML hung from the neck thereof.

The ground of the decision is that the marks are not confusingly similar.

In his decision the Assistant Commissioner said:

"The marks are entirely dissimilar except in that both include as a part thereof a representation of a lamb. Even these representations of a lamb are radically distinct and different. The words 'Hygienol' and 'Fleecy Fluff' are very prominent in the marks. Opposer's puffs are sold in the trade under the name 'Hygienol'. Applicant's puffs are sold in the trade under the style or lot number '900'. There is no showing that the puffs of either party have ever been called for by the name 'Lamb' or by reference to a representation of a lamb."

He then, after referring to certain notations appearing on the containers filed with applicant's application, said:

"It is my opinion that in the environment and under the circumstances noted and considering both marks in their entirety, the marks are not rendered confusingly similar by the inclusion in both of the particular representations of a lamb as they appear in the marks and that the concurrent use of both marks by the parties on powder puffs will not cause likelihood of confusion or deception as to the true source of supply of the goods."

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THE PEP BOYS—MANNY, MOE AND JACK *v.* AMERICAN OIL COMPANY, Cancellation No. 2870.

In a decision rendered April 21, 1938 (163 Ms. Dec. 24), *Assistant Commissioner Frazer* held that American Oil Company, of Peoria, Ill., was entitled to register the term "Pep" as a trade-mark for gasoline and fuel oil for combustion motors, and that the registration which it had obtained should not be cancelled.

The ground of the decision is that the petitioner for cancellation has not shown itself to be damaged with the registration and that the word is not descriptive of the goods.



It appears that petitioner for cancellation is a dealer in lubricating oils and greases and alleges that the term "Pep" is descriptive of the goods and held unregistrable.

In his decision, after stating that the Examiner of Interferences had merely held that the petitioner was not damaged by the registration, the Assistant Commissioner said:

"While I am in substantial agreement with the Examiner's ruling with respect to petitioner's showing of damage, I am also clearly of the opinion that the word is not descriptive of such goods, and I think the petition should have been dismissed on that additional ground."

Then, with reference to the mark itself, after citing dictionary definitions of the term "Pep", he said:

"I am unable to believe, however, that any of these terms, or the slang word which they define, is likely to be used in describing gasoline, to say nothing of fuel oil. Respondent's mark is, of course, suggestive of a possible quality or characteristic of its goods, but that does not affect its validity as a trade-mark."

Then with reference to the decision of the Circuit Court of Appeals of the Fourth Circuit in *Pepsi-Cola Co. v. Krause Bottling Co. et al.*, 92 Fed. (2d) 272, in which the term "Pep" was held to be descriptive of a soft drink, he said:

"The only analogy between that case and this is that the marks are the same. Obviously the degree of descriptiveness of nearly any word depends on the goods with which it is used, and it is difficult to conceive of two items of merchandise having less in common than do soft drinks and gasoline."

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THE PURE OIL COMPANY *v.* THE PEP BOYS—MANNY, MOE & JACK, Opposition No. 14,513.

In a decision rendered April 21, 1938 (163 Ms. Dec. 23), *Assistant Commissioner Frazer* held that The Pep Boys, Manny, Moe & Jack, of Philadelphia, Pa., is not entitled to register, as a trade-mark for lubricating oils and cup grease and high pressure lubricants, a mark consisting of applicant's name somewhat distinctively displayed in association with the facial pictures of three men, in view of the prior registration by The Pure Oil Company, of Chicago, Ill., of certain trade-marks for substantially the same goods, which include the word "Pep".

With respect to two of these marks, of which opposer claimed ownership as assignee, the Assistant Commissioner said:

"Its proofs with respect to the first are not entirely satisfactory, and as to the second I am constrained to agree with the Examiner of Interferences that opposer has totally failed to establish its claim. In my opinion, however, neither of these registrations is essential to opposer's case."

Then, with reference to the other three marks, after stating that the one most extensively used by opposer appears to be "Purol-Pep" and that there was no evidence that the other two had been abandoned and the certificates of registration constitute prima facie evidence of ownership, he said:

"All three of these registrations cover merchandise substantially the same as that of applicant. In each mark the word 'Pep' is a prominent and essential feature, and its common occurrence in all three serves to emphasize its association with opposer's goods. Applicant's mark is dominated by the words 'Pep Boys' by reason of their being printed in much larger letters than the other words of the mark; and, because of its position at the beginning of the notation, 'Pep' is the word most likely to be noticed and remembered by the casual observer. I agree with the Examiner that the marks must be considered as a whole, but when so considered I can not escape the conviction that in view of the character and substantial identity of the goods involved there is at least some likelihood of confusion between applicant's mark and each of opposer's marks, 'Purol-Pep,' 'Puro-Pep' and 'Poco Pep.'"

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EX PARTE AMERICAN DRUG & CHEMICAL CO., Serial No. 387,694.

In a decision rendered April 22, 1938 (163 Ms. Dec. 26), *Assistant Commissioner Frazer* held that American Drug & Chemical Co., of Minneapolis, Minn., is entitled to register, under the act of 1920, the word "Salinos" as a trade-mark for a laxative and cathartic medicine, registration having been refused by the Examiner on the ground that the mark was merely the name of the goods and incapable of trade-mark significance.

In his decision, after noting that the mark had originally been registered under the act of 1905, for substantially the same goods and that registration had been permitted to expire, the Assistant Commissioner said:

"'Salinos' is the Spanish equivalent of the English adjective 'saline', which is defined in Webster's New International Dictionary as 'consisting of or pertaining to the salts of the alkali metals or of magnesium; as, a saline cathartic.' That the word is descriptive of applicant's goods is clear beyond argument, and its registration under the act of 1905 was properly refused. I am not convinced, however, that it is so entirely devoid of trade-mark significance as to be unregistrable under the 1920 act; and in view of applicant's long use I think any doubt in that regard should be resolved in applicant's favor."

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EX PARTE THE OHIO GREASE CO., Serial No. 378,672.

In a decision rendered April 23, 1938 (163 Ms. Dec. 26), *Assistant Commissioner Frazer* held that The Ohio Grease Co., of Loudonville, Ohio, is not entitled to register, under the act of 1905, the notation "Lubri-Kate" as a trade-mark for goods described in the application as "cartoons published periodically."

The ground of the decision is that the specimens filed do not show use of the mark upon the goods within the meaning of the trade-mark statute.

In his decision the Assistant Commissioner noted that in the brief for applicant it is stated that the cartoons involved consist of a pictorial representation of a mythical character "Lubri-Kate," accompanied by several lines of verse, and that the cartoons and the accompanying verses are printed on blotters which bear the name and the address of the applicant, and then said:

"One difficulty is that applicant is not seeking registration of its mark for blotters, and obviously it is not dealing in cartoons. As observed by the Examiner in his statement on appeal, 'the cartoons merely form part of the attractive design on the blotters.'"

"A more serious difficulty, and one not discussed by the Examiner, is that the mark as used is utterly devoid of trade-mark significance in relation to either cartoons or blotters. Its only appearance is at the end of the verse on each blotter, in the expression 'Sincerely, Lubri-Kate.' It is thus used as a pseudonym of the verse writer, and in my opinion could have no other possible significance. Certainly it is not the title of the cartoons, and on no other theory could it be held registrable for the goods described in the application."

CROWN CORK & SEAL CO., INC., *v.* KERR GLASS MANUFACTURING CORPORATION, Opposition No. 14,587.

In a decision rendered April 23, 1938 (163 Ms. Dec. 27), *Assistant Commissioner Frazer* held that Kerr Glass Manufacturing Corporation, of Sand Springs and Los Angeles, Calif., is not entitled to register, as a trade-mark for caps for glass jars and glass containers for preserving foods, a mark consisting of a representation of such a cap attached to the top of the jar, a hand holding a spoon with which the cap is being tapped, and musical notes depicting the resulting sound.

In his decision the Assistant Commissioner stated that it was pleaded in the notice of opposition and amply established by the evidence that this mark is merely a pictorial illustration of a method in common use for determining whether a perfect seal is effected when the cap is attached to the glass jar or container. He then said:

"If the seal is adequate the tapping of the cap with a metal instrument, such as a spoon, causes a ringing musical sound; otherwise the sound is dull. Opposer, being also a manufacturer of caps for glass jars, claims that it has the right to illustrate the proper use of its product in this accepted manner, and that it would thus be damaged by the registration applied for. That this claim is well founded I have no doubt."

Then, after stating that it is well settled that a word as a trade-mark has the same effect as a picture, if the word means the same as a picture, and that the converse is necessarily true, he said:

"No one would seriously attempt to register as a trade-mark mere written instructions as to the manner of using his goods, and I think applicant's mark is nothing more than the pictorial equivalent of such written instructions. That the mark was devised with precisely that purpose in view was frankly admitted in her testimony by applicant's president, who described it as 'the embodiment of the point we were trying to get across to our customers' in previous instructions as to the most desirable way to test for proper sealing."

He then noted appellant's argument that the mark is not merely descriptive because it includes elements which are purely arbitrary, and said:

"Aside from the musical notes, the features thus referred to serve only as a background against which the descriptive features are displayed, and do not in my opinion save the mark as a whole from being merely descriptive. As to the musical notes themselves, the expedient thus adopted to indicate sound has become so common as to have no other probable significance to the average observer. It is the association of these notes with the tapping spoon that renders the mark essentially descriptive."

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CONTINENTAL DISTILLING CORPORATION *v.* "BIG 4" DISTILLERS, INC. (HIRAM WALKER & SONS, INC., ASSIGNEE, SUBSTITUTED), Opposition No. 13,973.

In a decision rendered April 23, 1938 (163 Ms. Dec. 29), *Assistant Commissioner Frazer* held that Hiram Walker & Sons, Inc., of Peoria, Ill., is not entitled, as assignee of "Big 4" Distilleries, Inc., to register as a trade-mark for whisky, gin and brandy, the words "Royal Oak", in view of the prior registration by Continental Distilling Corporation, of Philadelphia, Pa., of the words "Charter Oak" for the same goods.

In his decision, after noting applicant's contention that the record presents a question of ownership of the pleaded registration since no sales of goods bearing the "Charter Oak" trade-mark had been proven and ownership of the registration had not been proven, the Assistant Commissioner noted that the notice of opposition stated that an application had been caused to be filed in the Patent Office and on that application registration No. 311,038 was granted and that in the answer applicant admitted that trade-mark registration was granted on a certain date but was uninformed that opposer had caused the application to be filed or that the registration was granted to the opposer. He then said:

"I think this was a sufficient admission of opposer's ownership of the registration referred to, and that no proof of such ownership was necessary. *Hiy & Walker Dry Goods Co. v. Sears, Roebuck & Co.*, 24 C. C. P. A. 1244, 90 Fed.(2d) 257. And according to the same authority 'ownership implies use,' so that it was likewise unnecessary for opposer to prove sales under the registered mark."

With reference to the marks themselves, he said:

"In my opinion each of the notations 'Royal Oak' and 'Charter Oak' is dominated by the noun 'oak', the words 'royal' in the one and 'charter' in the other functioning merely as modifying adjectives. Moreover the words 'royal' and 'charter' are likely to be somewhat closely associated in the minds of many by reason of the frequent occurrence in colonial history of the expression 'royal charter.'"

He then noted that a number of decisions had been cited by the Examiner of Interferences in which marks less similar than those in issue in this case had been held to be confusingly similar and noted the decision of the Court of Customs and Patent Appeals in *Doyle v. John Morrell & Co.*, 24 C. C. P. A. 1093, 88 Fed.(2d) 721, 484 O. G. 744, in which "Strongheart" and "Red Heart" had been held confusingly similar as applied to the same goods. He then said:

"So here I think the concurrent use of 'Royal Oak' and 'Charter Oak' as trade-marks for identical merchandise of the character involved would inevitably lead to confusion."

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NEW YORK KNITTING MILLS, INC., *v.* ROSANNA KNITTED SPORTSWEAR, Opposition No. 15,726.

In a decision rendered April 28, 1938 (163 Ms. Dec. 33), *Assistant Commissioner Frazer* held that Rosanna Knitted Sportswear, of New York, N. Y., is not entitled to register, as a trade-mark for ladies' and misses' knitted dresses, skirts and suits, the term "Rōs-Cuna", in view of the prior adoption and use by New York Knitting Mills, Inc., of New York, N. Y., of the term "Valcuna," as a trade-mark for the identical merchandise.

In his decision, after stating that a careful consideration of the record constrained the holding that the absence of a likelihood of confusion was not so clear as to warrant the registration asked for, the Assistant Commissioner said:

"Both marks are fanciful in character, and as pointed out by the Court of Customs and Patent Appeals in the recent case of *The Bon Ami Co. v. McKesson & Robbins, Inc.*, 93 Fed.(2d) 915, confusion is thus more likely to occur than if they were 'ordinary words used in everyday conversation.'"

Then, after noting applicant's argument that the term "Valcuna" is derived from the word "vicuna," which is the name of a small mammal of the Northern Andes having fine and valuable wool, he said:

"That may be true, but even 'vicuna' is not a word in common use, and 'cuna' alone has no English meaning except as indicating a member of an obscure Indian tribe. In my opinion the word 'Valcuna' is arbitrary and meaningless, as is likewise applicant's notation 'Rōs-Cuna.'"

Then, after noting that in the Bon Ami case the Court of Customs and Patent Appeals had held that "Shav-Ami" used on shaving cream, was likely to cause confusion with the term "Bon Ami" used on soap, he said:

"Manifestly these marks are no more similar than are the marks here in issue; nor were they applied to identical goods, whereas these marks are."

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NEW YORK KNITTING MILLS, INC., *v.* GOTHAM KNITTING MILLS, INC., Opposition No. 15,264.

In a decision rendered April 28, 1938 (163 Ms. Dec. 32), *Assistant Commissioner Frazer* held that Gotham Knitting Mills, Inc., of New York, N. Y., is not entitled to register, as a trade-mark for ladies' knitted dresses, the words "Goth-Cuna", in view of the prior adoption and use by New York Knitting Mills, Inc., of New York, N. Y., of the term "Valcuna" as a trade-mark for the same goods.

The reasoning on which this decision is based is the same as that in the case of *New York Knitting Mills, Inc.*, v. *Rosanna Knitted Sportswear*, Opposition No. 15,726, above.

In his decision, with reference to the likelihood of confusion, the Assistant Commissioner also said:

"This likelihood is somewhat enhanced by the fact that applicant, intentionally or otherwise, has copied rather closely the style of lettering that characterizes opposer's mark, and by the further fact that the knitted dresses to which applicant applies its mark appear to be substantial copies of those dealt in by opposer."

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EX PARTE HARRIS SOAP COMPANY, Serial No. 268,371.

In a decision rendered April 29, 1938 (163 Ms. Dec. 34), *Assistant Commissioner Frazer* held that Harris Soap Company, of Buffalo, N. Y., is not entitled to register, under the act of 1905, the word "Vogue" as a trade-mark for soap in chip or flake form.

The ground of the decision is that this term is the corporate name of "The Vogue," a corporation of the State of Georgia.

In his decision the Assistant Commissioner said:

"Manifestly the name and the mark are substantially identical, and as no claim is made that the latter is displayed in a 'particular or distinctive manner' it seems clear that the registration applied for is expressly forbidden by the so-called name clause of section 5 of the act of February 20, 1905."

Then, after stating that in the brief on appeal it was urged that while the Examiner had followed the only course which under the circumstances he could take, the Commissioner ought, in his judicial capacity, to interpret section 5 of the Trade-Mark Act in a fashion which is more consistent with the ordinary rule for interpreting statutes, he said:

"It appears that The Vogue, though still a legally existing corporation, has not been actively engaged in business for several years, and that it never did deal in the particular merchandise to which applicant's mark is applied. It is thus argued with considerable force that the corporation could not conceivably be injured by registration of the mark, and that under such circumstances no good reason exists for the statutory prohibition against registration. That, however, is a matter over which the Patent Office has no control, nor does the language of the statute leave room for the exercise of administrative discretion.

* * * * * * * *

No requirement is made that the corporate owner of the name sought to be registered shall be engaged in business, nor is it material that use of the mark would neither result in confusion nor injure the corporation. If the mark is the name of a corporation the Patent Office has no alternative but to refuse registration."



EX PARTE VICTOR M. CALDERON COMPANY, INC., Serial No. 380,824.

In a decision rendered April 30, 1938 (163 Ms. Dec. 37), *Assistant Commissioner Frazer* held that Victor M. Calderon Company, Inc., of New York, N. Y., is entitled to register, under the act of 1920, a mark, the dominant feature of which is the name of an individual not distinctively displayed, although it had a somewhat arbitrary design associated therewith.

In his decision, after stating that an opposition to the registration had been dismissed but the mark held unregistrable because the name of an individual, not distinctively displayed, and that registration under the act of 1920 had later been refused because the mark contained a design which is arbitrary subject matter, the Assistant Commissioner said:

"Concerning the mark sought to be registered the Examiner of Interferences had the following to say in his decision in the opposition proceeding:

"'The mark disclosed in the drawing of the applicant consists, essentially, of the notation "Dubonnet" displayed across a circular device enclosing what may be described as the representation of a fish in the act of leaping from the water, the name and pictorial feature being enclosed by a substantially rectangular broken-line frame or border. While of course it is true that this mark is a composite one, it is deemed to be equally true that the dominating feature, and the name by which applicant's goods would be distinguished from the products of others, is the name "Dubonnet."'

"The goods described in the application being canned sardines, it will thus be seen that the mark comprises the combination of a descriptive design and a surname; and I agree with the Examiner of Interferences that the name is its dominating feature."

Then, after noting the decision of the Commissioner of Patents in *Ex parte Ternstedt Manufacturing Co.*, 151 Ms. Dec. 91, in which registration under the act of 1920 had been refused of a mark consisting of the notation "Hevy Duty Hardware" in association with a picture of a truck, and quoting from that decision, he said:

"That decision seems to have been construed by the Examiner of Trade-Marks as prohibiting registration under the 1920 act of all marks which include arbitrary matter. I do not think it need be so construed. Obviously the words of the adjudicated mark were purely descriptive and incapable of trade-mark significance, and therefore could not have been used 'in a trade-mark sense.' Had they been so used, I doubt that the Commissioner would have refused the registration applied for merely because the mark also included matter which in their absence would have been registrable under the act of 1905.

"The act of March 19, 1920, provides for the registration thereunder of all marks 'not registrable under the act of February 20, 1905, as amended, except those specified in paragraphs (a) and (b) of section 5 of that act, but which have been in bona fide use for not less than one year * * *.' I agree with the conclusion expressed in *Ex parte Ternstedt Manufacturing Co.*, supra, that this language was not intended to embrace technical trade-marks, unregistrable under the act of 1905 merely because they include descriptive or other prohibited matter 'which might or might not have been used in a trade-mark sense.' But I think that marks in which a dominant or essential feature, of unquestioned trade-mark significance, prevents registration without disclaimer under the act of 1905, and which otherwise meet the requirements of the act of 1920, are registrable under the latter act even though they include features of an arbitrary character."

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EX PARTE TEX-O-KAN FLOUR MILLS COMPANY, Serial No. 402,034.

In a decision rendered April 30, 1938 (163 Ms. Dec. 35), *Assistant Commissioner Frazer* held that Tex-O-Kan Flour Mills Company, of Dallas, Texas, is entitled to register, under the act of 1905, as a

trade-mark for wheat flour, the notation "Bebe Agua" without any disclaimer of the term "Bebe."

In his decision, after stating that the Examiner of Trade-Marks had held the word "Bebe" to be geographical and had cited in support of his disclaimer the following decisions: *Ex parte Hettrick Manufacturing Co.*, 475 O. G. 688, 32 U. S. P. Q. 164; *Chippewa Springs Corporation* v. *J. Leinenkugel Brewing Co.*, 480 O. G. 695, 33 U. S. P. Q. 556; and *Champion Spark Plug Co.* v. *Globe-Union Mfg. Co.*, 24 C. C. P. A. 1088, 88 Fed.(2d) 970, the Assistant Commissioner said:

"The first two of these cases are Commissioner's decisions, in which language may be found to the effect that section 5 of the act of February 20, 1905, forbids registration of all geographical terms, and that its association with other matter does not render a geographical term registrable unless it is disclaimed. In *Champion Spark Plug Co.* v. *Globe-Union Mfg. Co.*, the Court of Customs and Patent Appeals defined the phrase 'geographical name or term,' as used in the statute, to mean 'a nation, state, county, city, municipality, river, lake, or the like.'"

Then, after stating that he was still of the opinion that the statute makes no exception to the prohibition of the registration of geographical words and also is still of the opinion that a geographical term incorporated in a composite mark should be disclaimed, said:

"* * * it nevertheless seems manifest that before either ruling may properly be applied the particular word or term involved should clearly appear to have a generally accepted geographical meaning."

Then, with reference to the question whether the term "Bebe" is geographical within the meaning of the trade-mark act, he said:

"The specimen labels filed with the present application are printed in Spanish, and I doubt that the Spanish word 'bebe' as there used would impress any observer as having a geographical significance. So far as I am aware the word has no English meaning.

"Bebe is a post office in Texas, serving thirty-five inhabitants. It is unincorporated, is not a political subdivision of the state or county in which it is located, has no power of local self-government, and hence is not a 'municipality' in any sense of the word. It is listed in the U. S. Omcial Postal Guide, but that fact alone does not in my opinion render it a 'geographical name or term' within the meaning of the trade-mark act.

# TRADE-MARKS

## OFFICIAL GAZETTE, MAY 31, 1938

[VOL. 490. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

## CLASS 1

### Raw or Partly Prepared Materials

Ser. No. 399,896. PFISTER HYBRID CORN COMPANY, El Paso, Ill. Filed Nov. 18, 1937.



No claim is made to the colors indicated in the drawing or to the word "Hybride" and the representation of the ear of corn apart from the mark.

For Seed Corn.

Claims use since Nov. 3, 1937.

Ser. No. 400,835. GALLOWAY COAL COMPANY, Memphis, Tenn. Filed Dec. 14, 1937. Under 10-year proviso.

ELK RIVER COAL

For Bituminous Coal.

Claims use since 1894.

Ser. No. 401,377. CARLETON ELLIS, Montclair, N. J. Filed Dec. 30, 1937.

ELLISOL

For Synthetic Resin Composition in Powder or Non-Liquid Form.

Claims use since Dec. 19, 1936.

Ser. No. 402,930. BELL & ZOLLER COAL COMPANY, Chicago, Ill. Filed Feb. 11, 1938.




No claim is made for "Washed", "Zeigler", and "Coal" apart from the mark.

For Coal.

Claims use since Oct. 1, 1937.

Ser. No. 403,114. BELL & ZOLLER COAL COMPANY, Chicago, Ill. Filed Feb. 17, 1938.




The word "Washed" is disclaimed apart from the mark.

For Coal.

Claims use since Aug. 1, 1935.

Ser. No. 403,115. BELL & ZOLLER COAL COMPANY, Chicago, Ill. Filed Feb. 17, 1938.




No claim is made for "Washed", "Zeigler", and "Much Hotter and Cleaner" apart from the mark.

For Coal.

Claims use since Aug. 1, 1935.

## CLASS 2

### Receptacles

Ser. No. 404,743. BEMIS BRO. BAG CO., St. Louis, Mo. Filed Apr. 1, 1938.

**VEE-TUX**

For Combination Fabric and Paper Bags for Containing Pulverized, Granular, or Lump Material, and the Like.
Claims use since Mar. 17, 1938.

## CLASS 4

### Abrasive, Detergent, and Polishing Materials

Ser. No. 400,537. "KLEENERS" PTY. LIMITED, Sydney, Australia. Filed Dec. 7, 1937.




All wording except the letters "KLTD" is disclaimed apart from the mark.
For Cleansing and Polishing Powders for Household Use.
Claims use since Nov. 2, 1936.

Ser. No. 403,146. THE PHOSPHATE MINING COMPANY, New York, N. Y. Filed Feb. 17, 1938.



The representation of the container for the goods is disclaimed apart from the mark.
For Detergent and Cleanser in Powder and Tablet Form, Having Incidental Water Conditioning Properties.
Claims use since Feb. 11, 1938.

Ser. No. 403,234. THE SMOO MANUFACTURING COMPANY, LIMITED, Wrexham, North Wales. Filed Feb. 23, 1938.

**SMOO**

For Pre-Shave Lotions in the Nature of Beard Softeners.
Claims use since January, 1937.

Ser. No. 404,289. CHARLES W. BERG, doing business as Fairchild & French, Philadelphia, Pa. Filed Mar. 21, 1938.




No claim is made to the words "Pine" and "Cleen" apart from the mark. The drawing is lined for green.
For Cleansing Preparation for General Household and Laundry Use, Having Incidental Properties as a Water Softener.
Claims use since Mar. 2, 1938.

Ser. No. 405,008. ELIZABETH ARDEN, INC., New York, N. Y. Filed Apr. 8, 1938.

*Miss Jezebel*

For Soaps.
Claims use since Apr. 1, 1938.

Ser. No. 405,227. UNIVERSAL UTILITY COMPANY, Gloversville, N. Y. Filed Apr. 13, 1938.

*Glisteree*

For Liquid Glass Cleaner.
Claims use since Apr. 6, 1938.

## CLASS 5

### Adhesives

Ser. No. 401,477. THE FALES CHEMICAL COMPANY, INC., Cornwall Landing, N. Y. Filed Jan. 3, 1938.

**PROTINOL**

For Adhesive in Paste Form for Use in Securing Paper Labels and the Like to Glass, Plastics, Paper, Porcelain, Metal, Wood, Rubber, Painted, Varnished, Enameled, and Other Surfaces.
Claims use since Sept. 24, 1936.



Ser. No. 403,587. BRUND PRODUCTS CO., Chicago, Ill. Filed Mar. 2, 1938.

**FRUND'S FLEX-O-FIX**

The word "Frund's" is disclaimed apart from the mark.
For Plastic Rubber Material for Mending Rubber, Leather, Cloth, Etc., and for Making Moulds, Packing, Insulation, and the Like.
Claims use since Nov. 11, 1937.

Ser. No. 404,166. ARTHUR JAY WOODWARD, doing business as Plastic Glass Cement Mfg., Los Angeles, Calif. Filed Mar. 16, 1938.




For Glass Cement.
Claims use since Jan. 1, 1933.

## CLASS 6

### Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 375,866. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Mar. 11, 1936.

**HEPTYLLYS**

For Aromatics for Use as a Perfume Ingredient.
Claims use since Dec. 7, 1932.

Ser. No. 375,867. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Mar. 11, 1936.

**VIOLLYS**

For Aromatics for Use as a Perfume Ingredient.
Claims use since May 4, 1933.

Ser. No. 394,996. EDUARD JOHANN PAWLATA, Vienna, Austria. Filed July 8, 1937.




The representation of the man is fanciful.
The name Eduard J. Pawlata is a facsimile of applicant's signature. The word "Original" is disclaimed apart from the mark.
For Preparations to Brown the Skin and to Protect the Skin Against Sun Burning.
Claims use since May, 1932.

Ser. No. 398,580. DR. MADAUS & COMPANY, Radebeul, Germany. Filed Oct. 16, 1937.

**Oligoplex**

For Chemicals, Medicines, and Pharmaceutical Preparations, Viz., Clematis (Clematis), Whitethorn (Crataegus), Cowslip (Primula), Meadow Sweet (Spiraea), Laurel (Kalmia), Pinkroot (Spigelia), Sepia (Sepia), Bugwort (Cimicifuga), Candleberry (Aletris), Ambergris (Ambra), Rosemary (Rosmarinus), Mistletoe (Viscum Album), St. John's Wort (Hypericum), Puff Ball (Bovista), Witch Hazel (Hamamelis), Iron (Ferrum), Sandalwood (Santalumalbum), Hyssop (Hypophysis), Knotweed (Polygonum), Gentian (Gentiana), Spurred Rye (Secale Cornutum), Marjoram (Majorana), Cantharides (Cantharis), Hemlock (Conium), Arbor Vitae (Thuja), Gold (Aurum), Mercury (Mercurius Solubilis), Thistle (Echinacea), Potassium Chlorate (Kalium Chloratum Kaliumchlorat), Rhododendron (Rhododendron), Cyanide of Mercury (Mercurius Cyanatus), Calcium Sulfate (Hepar Sulfuris), Hydrofluoric Acid (Acidum Hydrofluoricum), Wasp (Vespa), Fungus (Badiaga), Comfrey (Symphytum), Cinchona Bark (China), Geranium (Geranium), Balsam Apple (Momordica), Nux Vomica (Nux Vomica), Sage (Salvia), Wild Indigo (Baptisia), Boneset (Eupatorium), Asclepiadaceae (Asclepias), Peppermint (Mentha Piperita), Zeodary (Cina), Black Mustard (Sinapis Nigra), Passion Flowers (Passiflora), Grindelia (Grindelia), Ailanthus or Heaven Tree (Ailanthus), Sorrel (Pulsatilla), Rock Rose; Cistus (Cistus Canadensis), Scabious (Scabiosa), Spurge; Wolf's Milk (Euphorbia), Marigold (Calendula), Daisy (Bellis), Hellebore (Helleborus), St. Stephen's Manna (Staphisagria), Yucca (Yucca), Seaweed (Fucus), Cholesterine (Cholesterinum), Ox Gall (Fel Tauri), Soy Bean (Dolichos), Pareira (Collinsonia), Thyme (Thymus), Tamarind (Tamarindus), (Sweet) Basil (Basilicum), Apomorphine (Apomorphinum), Coral (Corallium Rubrum), Gelsemium (Wild Jasmine) (Gelsemium), Tarantula (Tarantula), Musk (Sumbulus), Indian Berries (Cocculus), Lobelia (Lobelia), Agaric; Leaf Fungus (Agaricus), Camphor (Camphora), Cyclamen (Cyclamen), Parsley (Oenanthe), Iodine (Jodum), Bromium (Bromum), Angelica Tree (Xanthoxy-

lon), Euphrasia (Euphrasia), Physostigminum, Aethiops Antimonalis (Aethiops), Iceland Moss (Certraria Islandica), Creosote (Kreosotum), Scorpion Grass (Myosotis), Sundew (Drosera), Ipecacuana (Ipecacuanha), Holyweed (Yerba Santa), Dragon Weed (Arum Triphyllum), Ammonium Bromide (Ammonium Bromatum), Buttercup (Ranunculus), Poison Sumach (Rhus Toxicodendron), Labrador Tea (Ledum), Nettle (Urtica), Barberry (Berberis), Potassium Iodide (Kalium Jodatum), Calcium Fluoride (Calcium Fluoratum), Arnica (Arnica), Angus Castus (Keuschlamm), Madder (Rubia), Calcium Carbonate (Calcarea Cabonica), Phosphoric Acid (Acidum Phosphoricum), Juniper (Juniperus), Milfoil (Millefolium), Benzoic Acid (Acidum Benzoicum), Bearberry (Uva Ursis), Sodium Carbonate (Natrium Carbonicum), Silicic Acid (Silicea), Flowers of Sulfur (Sulfur), Myrtle (Myrtillus), Dandelion (Taraxacum), Silver (Argentum), Selenium (Selenium), Potassium (Kalium), Zinc Cyanide (Zincum Cyanatum), Horse Chestnuts (Lupulinum), Peony (Paeonia), Lead Acetate (Plumbum Aceticum), Clay; Alumina (Alumina), Ivy (Hedera), and Spider (Aranes).

Claims use since Jan. 30, 1935.

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Ser. No. 400,076. THE WARR FIRE EXTINGUISHER COMPANY, INCORPORATED, Baltimore, Md. Filed Nov. 23, 1937.




The word "Chief" is disclaimed apart from the mark. The portrait is that of E. H. Warr, an officer of the corporation.

For Dry Chemical Powder Fire Extinguishing Compounds.

Claims use since Aug. 4, 1937.

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Ser. No. 400,714. HAROLD A. E. WENGER, doing business as Regnew Laboratories, Madison, Wis. Filed Dec. 10, 1937.




For Insect Repellent Materials, Water-Proofing Material for Dry Flies and Color Preservative for Fishing Rod Windings.

Claims use on said insect repellent materials since Mar. 12, 1936; and on water-proofing material for dry flies and color preservative materials for fishing rod windings since Sept. 10, 1937.

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Ser. No. 401,160. MAYNARD HORIN, doing business as Maynard Laboratories, Jamaica, N. Y. Filed Dec. 22, 1937.

**MAYCAPS**

For Chemical Preparation Useful in the Treatment of Colds, Neuralgia, and Headache.

Claims use since Dec. 1, 1937.

Ser. No. 401,322. SIDNEY DAVID BOLOGH, doing business as Vibo Products Co., Brooklyn, N. Y. Filed Dec. 24, 1937.




All wording except VIBO is disclaimed. The drawing is lined for black and orange.

For Scalp Lotion.

Claims use since Apr. 21, 1936.

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Ser. No. 401,576. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed Jan. 5, 1938. Under 10-year proviso.

Mallinckrodt

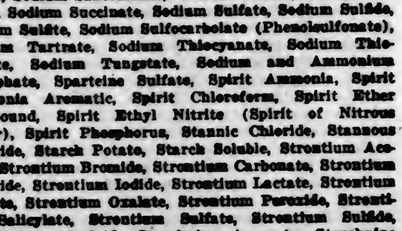
For Acetaldehyde, Acetanilid, Acetic Anhydride, Acetoacetic Ester, Acetone, Acetphenetidin, Acid Acetic, Acid Acetic Glacial, Acid Acetylsalicylic, Acid Arsenic, Acid Arsenous, Acid Benzoic, Acid Boric, Acid Camphoric, Acid Caproic, Acid Carbolic, Acid Cresylic, Acid Chromic, Acid Citric, Acid Formic, Acid Gallic, Acid Glycerophosphoric, Acid Hydriodic, Acid Hydrobromic, Acid Hydrochloric, Acid Hydrocyanic, Acid Hydrofluoric, Acid Hypophosphorous, Acid Iodic, Acid Iodic Anhydride, Acid Lactic, Acid Mandelic, Acid Molybdic, Acid Molybdic Anhydride, Acid Monochloracetic, Acid Nitric, Acid Nitric Fuming, Acid Nitrohydrochloric, Acid Oleic, Acid Oxalic, Acid Perchloric, Acid Perosmic, Acid Phosphomolybdic, Acid Phosphoric, Acid Metaphosphoric, Acid Phosphotungstic, Acid Phthalic Anhydride, Acid Picric, Acid Pyrogallic, Acid Salicylic, Acid Silicic, Acid Stearic, Acid Succinic, Acid Sulfanilic, Acid Sulfocarbolic, Acid Sulfosalicylic, Acid Sulfuric, Acid Sulfuric Fuming, Acid Sulfuric Aromatic, Acid Sulfurous, Acid Tannic, Acid Tartaric, Acid Trichloracetic, Agaricin, Albumen Egg Powdered, Alcohol Amyl Iso, Alcohol Amyl Primary, Alcohol Butyl Normal, Alcohol Methyl, Alcohol Propyl Iso, Aloin, Alum Chrome-Ammonium, Aluminum Metal Granulated, Aluminum Metal Mossy, Aluminum Metal Powdered, Aluminum Metal Wire Pure, Aluminum Acetate, Aluminum Aceto-Tartrate, Aluminum Chloride, Aluminum Hydroxide, Aluminum Nitrate, Aluminum Phosphate, Aluminum Stearate, Aluminum Subacetate, Aluminum Sulfate, Aluminum Ammonium Sulfate, Aluminum Potassium Sulfate, Amidol, Aminopyrine, Ammonium Acetate, Ammonium Arsenate, Ammonium Benzoate, Ammonium Bicarbonate, Ammonium Bichromate, Ammonium Bisulfate, Ammonium Bisulfite, Ammonium Borate, Ammonium Bromide, Ammonium Carbonate, Ammonium Chloride, Ammonium Chromate, Ammonium Citrate, Ammonium Fluoride, Ammonium Hydroxide, Ammonium Hypophosphite, Ammonium Iodide, Ammonium Molybdate, Ammonium Nitrate, Ammonium Nitrite, Ammonium Oxalate, Ammonium Persulfate, Ammonium Phosphate Monobasic, Ammonium Phosphate Dibasic, Ammonium Salicylate, Ammonium Sulfate, Ammonium Sulfide, Ammonium Sulfite, Ammonium Sulfocyanate, Ammonium Tartrate, Ammonium Thiocyanate, Ammonium Valerate, Ammonium and Magnesium Phosphate, Ammonium and Magnesium Sulfate, Ammonium and Potassium Tartrate, Amyl Acetate, Amyl Nitrite, Aniline, Aniline Hydrochloride, Antimony Metal, Antimony Metal Lumps, Antimony Metal Powdered, Antimony Chloride, Antimony Sulfide Golden, Antipyrine, Apiol, Apomorphine Hydrochloride, Arecoline Hydrobromide, Arsenic Metal, Arsenic Pentoxide, Arsenic Sulfide, Arsenic Trioxide, Arsenous Bromide, Arsenous Iodide, Arsenous and Mercuric Iodide, Arsphenamine, Neoarsphenamine, Sulfarsphenamine, Aspidospermine Alkaloid, Atropine Alkaloid, Atropine Sulfate, Aseitmin, Barbital (Acid Diethylbarbituric), Barbital Soluble (Sodium Diethylbarbiturate), Barium Acetate, Barium Bromate, Barium Bromide, Barium Carbonate, Barium Chloride, Barium Chromate, Barium Hydroxide, Barium Iodide, Barium Nitrate, Barium Peroxide, Barium Sulfate, Barium Sulfide, Barium Sulfite, Benzocaine, Benzol, Benzoyl Chloride, Benzyl Benzoate, Benzyl Chloride, Berberine Hydrochloride, Berberine Sulfate Acid, Berberine Sulfate Neutral, Betanaphthol, Betanaphthol Benzoate, Bismuth Metal Granular, Bismuth Metal Powdered, Bismuth Beta-Naphthol, Bismuth Chloride, Bismuth Citrate, Bismuth Hydroxide, Bismuth Lactate, Bismuth Nitrate, Bismuth Oxide, Bismuth Oxychloride, Bismuth Salicylate, Bismuth Subbenzoate, Bismuth Subcarbonate, Bismuth Subgallate, Bismuth Subiodide, Bismuth Subnitrate, Bismuth Subsalicylate, Bismuth Sulfocarbolate, Bismuth Tannate, Bismuth and Ammonium Citrate, Bismuth and Potassium Tartrate, Blaud's Mass Dry Powder, Blaud's Mass Dark Powder, Blue Vitriol, Borax, Bromine, Bromoform, Brucine Alkaloid, Brucine Sulfate, Cadmium Metal, Cadmium Acetate, Cadmium Bromide, Cadmium Carbonate, Cadmium Chloride, Cadmium Iodide, Cadmium Nitrate, Cadmium Sulfate, Cadmium Potassium Iodide, Caffeine Alkaloid, Caffeine Benzoate, Caffeine Citrated, Caffeine Hydrobromide, Caffeine Salicylate, Caffeine Sodio-Benzoate, Caffeine Sodio-Salicylate, Calamine, Calcium Acetate, Calcium Benzoate, Calcium Bromide, Calcium Carbonate, Calcium Chloride, Calcium Citrate, Calcium Creosotate, Calcium Formate, Calcium Gluconate, Calcium Glycerophosphate, Calcium Hydroxide, Calcium Hypophosphite, Calcium Iodide, Calcium Lactate, Calcium Lactophosphate, Calcium Nitrate, Calcium Oxalate, Calcium Oxide, Calcium Peroxide, Calcium Phosphate Monobasic, Calcium Phosphate Dibasic, Calcium Phosphate Tribasic, Calcium Saccharate, Calcium Salicylate, Calcium Stearate, Calcium Sulfate, Calcium Sulfide, Calcium Sulfite, Calcium Sulfocarbolate, Calcium and sodium Hypophosphite, Calomel, Camphor Monobromated, Carbon Disulfide, Carbon Tetrachloride, Carbromal, Cerium Nitrate, Cerium Oxalate, Charcoal Decolorizing, Charcoal Bone, Chloral Hydrate, Chloral Butyl-, Hydrate, Chloramine-T, Chloroform, Chromium Acetate, Chromium Chloride, Chromium Nitrate, Chromium Oxide, Chromium Sulfate, Chromium Potassium Sulfate, Chrysarobin (So-Called Chrysophanic Acid), Cinchonidine Alkaloid, Cinchonidine Salicylate, Cinchonidine Sulfate, Cinchonine Alkaloid, Cinchonine Bisulfate, Cinchonine Hydrochloride, Cinchonine Salicylate, Cinchonine Sulfate, Cinchophen, Neo-Cinchophen, Cinnabar, Citrine Ointment, Cobalt Acetate, Cobalt Carbonate, Cobalt Chloride, Cobalt Nitrate, Cobalt Oxide, Cobalt Sulfate, Cocaine Alkaloid, Cocaine Hydrochloride, Codeine Alkaloid, Codeine Hydrochloride, Codeine Phosphate, Codeine Sulfate, Colchicine Alkaloid, Cold Top Enamel, Cold Top Enamel Developer, Cold Top Enamel Remover, Cold Top Enamel Protector, Collodion, Collodion Photo Plain, Collodion Photo Plain Special Texture, Collodion Photo Iodized, Stripping Collodion, Collodion Thinner, Copper Metal, Copper Metal Granulated, Copper Metal Powdered, Copper Metal Shot, Copper Metal Turnings, Copper Aluminated (Lapis Divinus), Copper Arsenate (Cupric), Copper Arsenite (Cupric), Copper Citrate (Cupric), Copper Cyanide (Cuprous), Copper Oxide Red (Cuprous), Copper Sulfocarbolate (Cupric), Copper and Potassium Chloride, Copper and Potassium Cyanide, Corrodive Sublimate, Cream Tartar (Potassium Bitartrate), Creosote, Creosote Beechwood, Cresote Carbonate, Cresol, Cupric Acetate, Cupric Bromide, Cupric Carbonate, Cupric Chloride, Cupric Nitrate, Cupric Oxide, Cupric Sulfate, Cupric Sulfide, Cupric Ammonium Chloride, Cuprous Chloride, Cuprous Sulfide, Cyanide-Chloride Mixture, Cyanide-Chloride-Carbonate Mixture, Dextrin Yellow From Corn, Dextrin White From Corn, Dextrin White From Potatoes, Dextrose, Digitalin, Dimethyl Glyoxime, Elaterium, Emetine Hydrochloride, Ephedrine Alkaloid, Ephedrine Hydrochloride, Ephedrine Sulfate, Ergotin-Bonjean, Eschka's Mixture, Eserine Alkaloid, Eserine Hydrochloride, Eserine Salicylate, Eserine Sulfate, Etching Powder, Etching Powder Heavy, Ether for Anesthesia, Ether Concentrated, Ether Petroleum, Ethyl Acetate, Ethyl Bromide, Ethyl Formate, Ethyl Iodide, Ethyl Nitrite, Ethylene Bromide, Eucalyptol, Ferric Chloride, Ferric Nitrate, Ferric Sulfate, Ferric Ammonium Sulfate, Ferrous Chloride, Ferrous Sulfate, Ferrous Ammonium Sulfate, Flatting Agent, Fluor Spar, Formaldehyde, Fusel Oil, Glycerin, Glycin, Glycocoll, Gold Chloride, Gold and Sodium Chloride, Gold Mono-Bromide, Gold Tri-Bromide, Guaiacol, Guaiacol Carbonate, Hexamethylenamine, Homatropine Alkaloid, Homatropine Hydrobromide, Homatropine Hydrochloride, Homatropine Sulfate, Hydrastine Alkaloid, Hydrastine Hydrochloride, Hydrastine Sulfate, Hydrogen Peroxide, Hydroquinone, Hyoscine Hydrobromide, Hyoscine Hydrochloride, Hyoscyamine Alkaloid, Hyoscyamine Hydrobromide, Hyoscyamine Hydrochloride, Hyoscyamine Sulfate, Iodine, Iodine Tincture, Iodoform, Iron Filings, Iron Powdered, Iron Reduced, Iron Wire Card Teeth, Iron Wire, Iron Acetate, Iron Albuminate, Iron Arsenated, Iron Arsenite, Iron Arsenite Soluble, Iron Bromide, Iron Carbonate, Iron Carbonate Saccharated, Iron Chloride Citro-, Iron Citrate, Iron Ferrocyanide, Iron Glycerophosphate, Iron Hydroxide, Iron Hypophosphite, Iron Iodide (Ferrous), Iron Iodide Saccharated (Ferrous), Iron Lactate, Iron Oxalate Ferric, Iron Oxalate Ferrous, Iron Oxide Pure Anhydrous, Iron Oxide Black (Ferro-Ferric), Iron Oxide Brown, Iron Oxide Saccharated, Iron Peptonized, Iron Phosphate (Ferrous), Iron Phosphate (Soluble, Ferric), Iron Pyrites, Iron Pyrophosphate (Soluble, Ferric), Iron Succinate, Iron Sulfide (Ferrous), Iron Tartrate, Iron Tersulfate (Ferric Sulfate), Iron Valerate, Iron and Ammonium Citrate, Iron and Ammonium Oxalate (Ferric), Iron and Manganese Citrate, Iron and Manganese Peptonized, Iron and Potassium Oxalate (Ferric), Iron and Potassium Tartrate (Ferric), Iron and Quinine Citrate (Ferric); Iron, Quinine and Strychnine Citrate; Iron and Sodium Oxalate (Ferric), Iron and Strychnine Citrate (Ferric), Kaolin Colloidal, Lactose, Lanolin, Lead Metal, Lead Metal Granulated, Lead Acetate, Lead Arsenate, Lead Bromide, Lead Carbonate, Lead Chloride, Lead Chromate, Lead Iodide, Lead Lactate, Lead Linoleate, Lead Nitrate, Lead Oxide Red, Lead Oxide Yellow, Lead Peroxide, Lead Phosphate, Lead Subacetate, Lead Sulfate, Lead Sulfide, Lime Iodized Dark, Litharge, Lithium Acetate, Lithium Benzoate, Lithium Benzo-Salicylate, Lithium Bitartrate, Lithium Bromide, Lithium Carbonate, Lithium Chloride, Lithium Citrate, Lithium Fluoride, Lithium Hydroxide, Lithium Iodide, Lithium Nitrate, Lithium Phosphate, Lithium Salicylate, Lithium Sulfate, Lithium Tartrate, Litmus Cubes, Lobeline Sulfate, Lunar Caustic (Silver Nitrate Fused), Magnesium Metal Powdered, Magnesium Metal Ribbon, Magnesium Metal Turnings, Magnesium Acetate, Magnesium Bromide, Magnesium Carbonate, Magnesium Chloride, Magnesium Citrate, Magnesium Glycerophosphate, Magnesium Hydroxide Medicinal, Magnesium Hypophosphite, Magnesium Nitrate, Magnesium Oxide, Magnesium Peroxide, Magnesium Phosphate Tribasic, Magnesium Salicylate, Magnesium Silicate, Magnesium Stearate, Magnesium Sulfate, Magnesium Sulfite, Manganese Acetate, Manganese Bromide, Manganese Butyrate, Manganese Carbonate, Manganese Chloride, Manganese Citrate, Manganese Dioxide, Manganese Glycerophosphate, Manganese Hypophosphite, Manganese Iodide, Manganese Linoleate, Manganese Nitrate, Manganese Peptonized, Manganese Sulfate, Mannite, Marble Chips, Mass of Mercury (Blue Mass), Menthol, Ethyl Mercaptan, Mercury, Mercuric Acetate, Mercury Ammoniated, Mercurous Iodide, Mercury Oleate, Mercuric Salicylate, Mercuric Sub-

sulfate (Turpeth Mineral), Mercury Sulfide Black (Ethiops Mineral), Mercury With Chalk, Mercurial Ointment, Mercuric Acetate, Mercuric Bromide, Mercuric Chloride, Mercuric Cyanide, Mercuric Iodide, Mercuric Nitrate, Mercuric Oxide Red, Mercuric Oxide Yellow, Mercuric Sulfate, Mercurous Chloride, Mercurous Nitrate, Mercurous Sulfate, Metal Devarda's, Metal Rose's Sticks, Metal Wood's Sticks, Methyl Iodide, Methyl Orange Indicator, Methyl Red Indicator, Methyl Salicylate, Methylene Blue, Milk Sugar, Morphine Sulfate, Morphine Acetate, Morphine Alkaloid, Morphine Hydrobromide, Morphine Hydrochloride, Morphine Ethylhydrochloride, Nickel Metal Shot, Nickel Acetate, Nickel Bromide, Nickel Carbonate, Nickel Chloride, Nickel Nitrate, Nickel Oxide Black, Nickel Sulfate, Nickel and Ammonium Sulfate, Opium Gum, Opium Granulated, Opium Powdered, Opium Deodorised, Orthodichlorbenzene, Ovrlay Solution, Oxyquinoline Base, Oxyquinoline Sulfate, Papaverine Hydrochloride, Paper Litmus Blue, Paper Litmus Red, Paper Phenolphthalein, Para-Dichlorbenzene, Paraformaldehyde, Paraldehyde, Para-Phenylene-Diamine Hydrochloride, Para-Phenylene-Diamine Base, Pelletierine Tannate, Phenobarbital, Phenobarbital Sodium, Phenol, Phenolphthalein, Phosphoric Anhydride, Phosphorus Sticks, Phosphorus Amorphous, Phosphorus Oxychloride, Phosphorus Pentachloride, Phosphorus Trichloride, Picrotoxin, Pilocarpine Hydrobromide, Pilocarpine Hydrochloride, Pilocarpine Nitrate, Piperine, Platinum Chloride, Potassa Sulfurated, Potassium Metal, Potassium Acetate, Potassium Acid Phthalate, Potassium Arsenate, Potassium Arsenite, Potassium Bicarbonate, Potassium Bichromate, Potassium Bisulfate, Potassium Bitartrate, Potassium Boro-Tartrate, Potassium Bromate, Potassium Bromide, Potassium Carbonate, Potassium Chlorate, Potassium Chloride, Potassium Chromate, Potassium Citrate, Potassium Creosote-Sulfonate, Potassium Cyanide, Potassium Ferricyanide, Potassium Ferrocyanide, Potassium Fluoride, Potassium Glycerophosphate, Potassium Guaiacol-Sulfonate, Potassium Hydroxide, Potassium Hypophosphite, Potassium Iodate, Potassium Iodide, Potassium Mercuric Iodide, Potassium Meta-Bisulfite, Potassium Nitrate, Potassium Nitrite, Potassium Oxalate, Potassium Permanganate, Potassium Persulfate, Potassium Phosphate Monobasic, Potassium Phosphate Dibasic, Potassium Phosphate Tribasic, Potassium Salicylate, Potassium Sulfate, Potassium Sulfite, Potassium Sulfocarbolate, Potassium Tartrate, Potassium Thiocyanate, Potassium Sodium Tartrate, Procaine Hydrochloride, Pyridine, Quinidine Alkaloid, Quinidine Sulfate, Quinine Sulfate, Quinine Alkaloid, Quinine Arsenate, Quinine Arsenite, Quinine Bisulfate, Quinine Carbonate, Quinine Dihydrobromide, Quinine Dihydrochloride, Quinine Ethyl-Carbonate, Quinine Formate, Quinine Glycerophosphate, Quinine Hydrobromide, Quinine Hydrochloride, Quinine Hydrochlorosulfate, Quinine Hypophosphite, Quinine Lactate, Quinine Phosphate, Quinine Salicylate, Quinine Tannate, Quinine Valerate, Quinine and Urea Hydrochloride, Resorcinol, Rubber Solution, Saccharine, Sal Acetosella (Potass. Binoxalate), Salicin, Salol (Phenyl Salicylate), Sanguinarine Nitrate, Santonin, Saponin, Silver Metal, Silver Acetate, Silver Bromide, Silver Carbonate, Silver Chloride, Silver Cyanide, Silver Iodide, Silver Lactate, Silver Nitrate, Silver Nitrite, Silver Nucleinate, Silver Oxide, Silver Proteinate, Silver Sulfate, Soda Caustic and Lime, Sodium Metal, Sodium Acetate, Sodium Arsenate, Sodium Arsenite, Sodium Benzoate, Sodium Benzoate (Powdered), Sodium Bicarbonate, Sodium Bichromate, Sodium Biphosphate, Sodium Bismuthate, Sodium Bisulfate, Sodium Bisulfite, Sodium Bitartrate, Sodium Borate, Sodium Bromate, Sodium Bromide, Sodium Cacodylate, Sodium Carbonate, Sodium Chloride, Sodium Cholate, Sodium Chromate, Sodium Citrate, Sodium Cobalt Nitrite, Sodium Cyanide, Sodium Ferrocyanide, Sodium Fluoride, Sodium Formate, Sodium Glycerophosphate, Sodium Glycocholate, Sodium Hydrosulfite, Sodium Hydroxide, Sodium Hypophosphite, Sodium Hyposulfite (Thiosulfate), Sodium Iodate, Sodium Iodide, Sodium Lactate, Sodium Mandelate, Sodium Meta-Bisulfite (Pyrosulfite), Sodium Molybdate, Sodium Nitrate, Sodium Nitrite, Sodium Nitroferricyanide, Sodium Oleate Acid, Sodium Oxalate, Sodium Perborate, Sodium Peroxide, Sodium Phosphate Monobasic, Sodium Phosphate Dibasic, Sodium Phosphate Tribasic, Sodium Phosphite, Sodium Potassium Bismutho-Tartrate, Sodium Pyrophosphate, Sodium Salicylate, Sodium Santoninate, Sodium Silicate, Sodium Stearate, Sodium Succinate, Sodium Sulfate, Sodium Sulfide, Sodium Sulfite, Sodium Sulfocarbolate (Phenolsulfonate), Sodium Tartrate, Sodium Thiocyanate, Sodium Thiosulfate, Sodium Tungstate, Sodium and Ammonium Phosphate, Sparteine Sulfate, Spirit Ammonia, Spirit Ammonia Aromatic, Spirit Chloroform, Spirit Ether Compound, Spirit Ethyl Nitrite (Spirit of Nitrous Ether), Spirit Phosphorus, Stannic Chloride, Stannous Chloride, Starch Potato, Starch Soluble, Strontium Acetate, Strontium Bromide, Strontium Carbonate, Strontium Chloride, Strontium Iodide, Strontium Lactate, Strontium Nitrate, Strontium Oxalate, Strontium Peroxide, Strontium Salicylate, Strontium Sulfate, Strontium Sulfide, Strychnine Alkaloid, Strychnine Arsenate, Strychnine Arsenite, Strychnine Glycerophosphate, Strychnine Hypophosphite, Strychnine Nitrate, Strychnine Phosphate, Strychnine Sulfate, Sucrose, Sulfanilamide (Para-Aminobenzene-Sulfonamide), Sulfon-Ethyl-Methane, Sulfon-Methane, Sulfur Precipitated, Sulfur Roll, Sulfur Sublimed, Sulfur Washed, Syrup Iron Iodide, Talcum, Tartar Emetic, Terebene, Terpin Hydrate, Theobromine Alkaloid, Theobromine Salicylate, Theobromine and Sodium Acetate, Theobromine Sodio-Salicylate, Theophylline, Theophylline Sodic-Acetate, Theophylline Sodic-Salicylate, Thiosinamine, Thymol, Thymol Iodide, Tin Metal Mossy, Tin Metal Shot, Tin Metal Sticks, Tin Metal Granulated, Tin Muriate (Stannous Chloride) Tin Oxide White, Tolsol, Tropacocaine Hydrochloride, Uranium Acetate, Uranium Nitrate, Urea, Xylol (Xylene), Yohimbine Hydrochloride, Zinc Metal Powdered, Zinc Metal Mossy, Zinc Metal Granulated, Zinc Metal Shot, Zinc Metal Sticks, Zinc Acetate, Zinc Borate, Zinc Bromide, Zinc Carbonate, Zinc Chloride, Zinc Cyanide, Zinc Iodide, Zinc Nitrate, Zinc Oxide, Zinc Permanganate, Zinc Peroxide, Zinc Phosphate, Zinc Phosphide, Zinc Salicylate, Zinc Stearate, Zinc Subbenzoate, Zinc Sulfate, Zinc Sulfite, Zinc Sulfocarbolate, Zinc Valerate; Liquid Egg Albumen for Photoengraving Use; Preparations for the Control of Brown Patch on Grass, Including Putting Greens and Fine Lawns; Opaque Media for X-Ray Diagnosis; Sodium Hyposulfite Prepared for Photographic Uses; a Preparation for the Treatment of Skin Diseases; Preparations for Use in Cholecystography and Testing the Hepatic Function; Antiseptics; Moth Killers; a Pyroxylin Preparation for Embedding Specimens; Photographic Developers; Roach Killers; Spot Removers; and an Iodine-Adding Supplement for Animal Feeds.

Claims use since 1892.

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Ser. No. 401,696. HILTON IRA JONES, doing business as Hisone Products, Wilmette, Ill. Filed Jan. 8, 1938.




No claim is made to the word "Products" apart from the mark.

For Chemicals and Other Supplies Used by Morticians, Including the Following Named Products: Cavity Fluid, Pore Closer and Cleaner, Perfume, Hardening Compound, Spray, Deodorant Powder, Test of Death Indicator, Flesh Powder, Tissue Filler Cream, Covering Paint, Hand Lotion, Cosmetic Spray, Lip Wax, Cleansing Cream, Germicidal Cream, Sealer Cream, Germicidal Powder, Formalin Cream, Embalming Fluid, and Hair Wash.

Claims use since June 1, 1937.

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Ser. No. 402,342. BLANCHE L. OULVEY, doing business as Oulvey Drug Company, East St. Louis, Ill. Filed Jan. 26, 1938.




The word "Cherry" is disclaimed apart from the mark.

For Medicine for the Treatment of Colds, Coughs, and Minor Bronchial Irritations.

Claims use since Oct. 30, 1927.

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Ser. No. 402,660. JOHN WYETH AND BROTHER, INCORPORATED, Philadelphia, Pa. Filed Feb. 3, 1938.

**ALDROX**

For Emulsoid of Aluminum Hydroxide for Use as an Antacid and Adsorbent.

Claims use since Sept. 2, 1937.

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Ser. No. 402,734. MASTER BRANDS, INC., doing business as The Zore Company, Chicago, Ill. Filed Feb. 5, 1938.

**FROSTEE**

The drawing is lined for blue and red.

For Paradichlorobenzene.

Claims use since Jan. 2, 1938.

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Ser. No. 402,854. ESSEX REMEDY CO., INC., Newark and Roselle, N. J. Filed Feb. 9, 1938.

**STOM-JACK**

The word "Jack" is disclaimed, per se, apart from the mark.

For Medicine for Indigestion.

Claims use since Jan. 1, 1914.

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Ser. No. 402,911. LUCIEN LELONG, INC., Chicago, Ill. Filed Feb. 10, 1938.

*Duvetyn*

For Rouge and Lipstick.

Claims use since Jan. 19, 1938.



Ser. No. 403,082. GERVI LABORATORIES, INC., Fort Lee, N. J. Filed Feb. 16, 1938.

*Lavocream*

For Cosmetic Cream for the Hair and Scalp.

Claims use since Jan. 21, 1938.

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Ser. No. 403,229. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Feb. 19, 1938.

**XILIREN**

For Extract of the Cortex of the Suprarenal Gland Used in Addison's Disease and Other Deficiencies of the Suprarenal (Adrenal) Cortex.

Claims use since Feb. 1, 1938.

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Ser. No. 403,251. FOLEY AND COMPANY, Chicago, Ill. Filed Feb. 21, 1938.

**VI-DURETICS**

Applicant disclaims "Duretics" apart from the mark.

For Preparations for Stimulating and Conditioning the Kidneys, Including Vitamins.

Claims use since Feb. 10, 1937.

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Ser. No. 403,283. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y. Filed Feb. 21, 1938.



The outline of the label is disclaimed. The drawing is lined for orange and shaded for black.

For Insecticides.

Claims use since Apr. 11, 1935.

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Ser. No. 403,306. THE CHAMPION PAPER AND FIBRE COMPANY, Canton, N. C. Filed Feb. 23, 1938.

**ODETEX**

For Light Boiling Odorising Materials Obtained from Paper Pulp Digesters Capable of Imparting an Odor to Natural Gas or Other Gases.

Claims use since Jan. 14, 1938.

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Ser. No. 403,367. CELESTE L. HUNTER, doing business as C. L. Hunter, Marrero, La. Filed Feb. 24, 1938.



**CELESTE**

The portrait is that of applicant. The word "Celeste" is disclaimed apart from the mark.

For Skin Tonics.

Claims use since Feb. 1, 1938.

Ser. No. 403,762. FINK-ROSELIEVE CO. INC., New York, N. Y. Filed Mar. 7, 1938.

QUINOTOL

For Photographic Products—Namely, Photographic Chemicals.
Claims use since Mar. 1, 1938.

Ser. No. 404,248. DR. SACHS LABORATORIES, INC., Chicago, Ill. Filed Mar. 19, 1938.




For Mineral Oil, Rubbing Alcohol Compound, Milk of Magnesia (Tablets and Liquid), Cod Liver Oil, Witch Hazel, Aspirin Tablets, Hinkle Pills, Antiseptic Solution, Mouth Wash, Peroxide of Hydrogen, Tincture of Iodine, Petrolatum (White and Carbolated), Halibut Liver Oil Capsules; Vitamins A, B, D, and G Concentrate Capsules; Cod Liver Oil Concentrate Capsules, Hepatic Salts, Sodium Fluoride, Cold Tablets, Laxative Tablets, Cough Syrup, Castor Oil, Camphorated Oil, Glycerine, Spirits Camphor, Sweet Spirits Nitre, Oil Citronella, Tincture Green Soap, Oil Wintergreen, Chloroform Liniment, Spirits of Ammonia (Aromatic), Tincture of Arnica, Cascara Sagrada (Aromatic), Spirits Peppermint, Tincture Benzoin Compound, Epsom Salts, Boric Acid (Powder and Crystals), Borax, Alum (Powder and Lump), Senna Leaves, Cream Tartar, Sulphur Flowers, Sodium Bicarbonate, Salicylic Acid, Salt Petre, Potassium Permanganate, Rochelle Salts, Chamomile, Flaxseed Meal, Flaxseed (Whole), Oil Eucalyptus, Powdered Henna, Yellow Ochre, Quinine Sulphate, Mustard Powder (Yellow), Compound Licorice Powder, Mineral Oil and Agar, Mineral Oil and Agar with Phenolphthalein, and Disinfectants.
Claims use since Jan. 1, 1933.

Ser. No. 404,349. THE BRITISH DRUG HOUSES LIMITED, London, England. Filed Mar. 22, 1938.

VOLPAR

For Vaginal Suppositories.
Claims use since Aug. 9, 1937.

Ser. No. 404,425. R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed Mar. 23, 1938.

BUTYL TEN

No claim is made to the word "Butyl" apart from the mark.
For Zinc Dibutyldithiocarbamate, with a Non-Volatile Organic Amine, and a Neutral or Alkaline Mineral, Used as an Accelerator of Vulcanization in the Manufacture of Rubber Products.
Claims use since Feb. 23, 1938.

Ser. No. 404,464. VERNON J. BILLIMACK, St. Louis, Mo. Filed Mar. 25, 1938.

LONE-SOME TRAIL



ROACH DESTROYER

No claim is made to the words "Roach Destroyer", "Lone", or "Trail" apart from the mark.
For Roach and Lice Destroying Powder.
Claims use since Mar. 17, 1938.

Ser. No. 404,586. JAMES A. SMITH, Philadelphia, Pa. Filed Mar. 28, 1938.




For General Antiseptic, Mouth Wash, Gargle, Douche, Contraceptive, Antiseptic Deodorant, Germicide, or Insecticide.
Claims use since Mar. 1, 1938.

Ser. No. 404,861. MIAMI CHEMICAL MANUFACTURING COMPANY, INC., Miami, Fla. Filed Apr. 4, 1938.

FLORI-KLOR

For Bleach and Steriliser.
Claims use since Dec. 29, 1934.



Ser. No. 404,942. DR. D. JAYNE & SON, INC., Philadelphia, Pa. Filed Apr. 6, 1938.



The representation of a man and the facsimile signature are those of applicant's predecessor, Dr. D. Jayne, deceased. No claim is made to the outline of a carton or to the words "Philadelphia, U. S. A.", apart from the mark.
For Medicinal Preparations for the Treatment of Acidosis, Anemia and Other Affections of the Blood, Bruises, Constipation, Coughs, Diarrhoea, Dyspepsia, Fatigue, Flatulency, Functional Debility, Gastric Irritations, Headaches, Heartburn, Hyperacidity, Indigestion, Intestinal Irritations, Liver Complaint, Loss of Appetite, Strength, and Weight; Muscular Aches and Pains, Physical Debility; Rheumatic Aches, Irritations, and Pains; Sour Stomach, Sprains, Stomach Disorders, Stomach Distress, Strained Ligaments and Muscles, Worms, and All Other Such Analogous, Similar, or Related Human Ailments or Pathological Conditions in or for the Treatment of Which It May Be Necessary or Advisable to Apply or Administer Alteratives; Aperients, Balsams; Blood Building, Fortifying, Purifying, Regulating, and Renovating Agents; Body Building Invigorating, and Strengthening Agents; Bone Building and Strengthening Agents, Carminatives, Cathartics, Cough Syrups, Creams, Digestives, Elixirs, Emetics, Expectorants, Laxatives, Liniments, Ointments, Poultices, Purgatives, Salves, Stimulants; Tissue Building, Renovating, and Strengthening Agents; Tonics, Vermifuges, and Vitamins.
Claims use since January, 1936.

Ser. No. 405,055. BIO-CHEMICAL PRODUCTS, INC., Los Angeles, Calif. Filed Apr. 9, 1938.

IOGYNOL

For Medicated Solution for Use in Vaginal Capsules and for Vaginal Suppositories.
Claims use since Feb. 5, 1938.

Ser. No. 405,117. HOLM COLLOID COMPANY, Milwaukee, Wis. Filed Apr. 11, 1938.

Stomagel

For Colloid for Treatment of Hyperacid Gastric Conditions and Ulcers.
Claims use since Dec. 1, 1937.

## CLASS 10

### Fertilizers

Ser. No. 404,542. THE PHOSPHATE MINING COMPANY, New York, N. Y. Filed Mar. 26, 1938.

FLORAPHOS

For Fertilizer and Fertilizer Materials.
Claims use since Mar. 17, 1938.

## CLASS 11

### Inks and Inking Materials

Ser. No. 403,667. GENERAL PRINTING INK CORPORATION, New York, N. Y. Filed Mar. 3, 1938.

Hard-Tex

The word "Hard" is disclaimed apart from the mark.
For Metal Decorating and Paper Lithographic Inks.
Claims use since Sept. 3, 1937.

## CLASS 12

### Construction Materials

Ser. No. 375,413. GUSTAVE E. WESTBERG, doing business as Buckle Proof Lath Co., Los Angeles, Calif. Filed Feb. 29, 1936.




The word "Buckleproof" is disclaimed apart from the mark.
For Building Lath.
Claims use since Oct. 6, 1932.

Ser. No. 390,876. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Apr. 2, 1937.

PYRO-BESTOS

For Asbestos Pipe Coverings for Heat Insulation.
Claims use since March, 1912.

Ser. No. 398,682. JADRANSKO ANONIMO DRUSTVO CEMENT PORTLAND, Solin by Split, Yugoslavia. Filed Oct. 19, 1937.




The word "Seven" is disclaimed apart from the mark.
For Portland Cement.
Claims use since Nov. 15, 1937.

Ser. No. 402,804. VEREINIGTE DEUTSCHE METALLWERKE AKTIENGESELLSCHAFT, Frankfort-on-the-Main-Heddernheim, Germany. Filed Feb. 7, 1938.

**Heku**

For Metal Clad Thermal Insulating and Waterproofing Materials for Building Purposes.
Claims use since 1929.

Ser. No. 402,831. VEREINIGTE DEUTSCHE METALLWERKE AKTIENGESELLSCHAFT, Frankfort-on-the-Main-Heddernheim, Germany. Filed Feb. 8, 1938.

**Mutisa**

For Metallic Thermal Insulating and Waterproofing Material for Building Purposes.
Claims use since 1932.

Ser. No. 404,301. FLORIDA PORTLAND CEMENT COMPANY, Chicago, Ill. Filed Mar. 21, 1938.

**FLORIDA MASONRY CEMENT NON-STAINING**



The drawing is lined for red, green, and silver or gray.
All wording is disclaimed apart from the mark.
For Building and Masonry Cement.
Claims use since July 15, 1937.

Ser. No. 404,334. TRINITY PORTLAND CEMENT COMPANY, Chicago, Ill. Filed Mar. 21, 1938.

**TRINITY MIX**



The drawing is lined for red and blue. All wording is disclaimed apart from the mark.
For Building and Masonry Cement.
Claims use since Mar. 1, 1931.

Ser. No. 404,356. ENGINEERING PRODUCTS CO., Denver, Colo. Filed Mar. 22, 1938.

**VULCALITE**

For Loosely Ground, Flocculent Material for Filling Hollow Walls and the Like for Heat Proofing and Sound Proofing Purposes.
Claims use since Feb. 1, 1938.

## CLASS 13

### Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 402,144. THE STANLEY WORKS, New Britain, Conn. Filed Jan. 20, 1938.

**STANLEY**

Applicant is owner of T. M. Reg. No. 178,322, effected under the 10-year proviso, covering the name "Stanley".
For Hinges, Hasps and Staples Used with Hasps, Sash and Clothes Line Pulleys; Table and Chair Braces; Door Hardware Comprising Holders, Bars, Braces, Couplings, Guards, Padlock Eyes, Turn Buttons, Handles, Pulls, and Sliding Rail; Chest Handles, Corner Irons and Mending Plates, Box Strapping and Fasteners, Wrought Steel Washers and Burrs, Blind and Shutter Hardware; Closet Hardware Comprising Hat Holders, Shoe Racks, Hanger Bars, and Hooks; Window and Screen Hardware Comprising Hangers, Lifts, and Poles; Lid Supports; Hardware for Swinging, Rolling, Sliding, and Upward Acting Doors, Comprising Track, Hangers, Brackets, Guides, Rollers, Stays, and Operators; Wardrobe Hardware, and Shelf Brackets.
Claims use since May 20, 1925, on sash pulleys; since Jan. 12, 1931, on clothes line pulleys; since Aug. 9, 1932, on table braces; since Mar. 8, 1934, on hat holders; since Mar. 12, 1934, on shoe racks; since Apr. 24, 1931, on hanger bars; since Apr. 7, 1933, on clothes hooks; since July 15, 1930, on window poles; since Sept. 21, 1931, on roll up doors; since Jan. 5, 1932, on swing up doors; since Feb. 11, 1931, on wardrobe hardware; since Jan. 6, 1938, on box strapping; and since about 1924 on the other goods.

Ser. No. 404,064. W. L. STENSGAARD & ASSOCIATES, INC., Chicago, Ill. Filed Mar. 14, 1938.

**RE-IN STRIPS**

The word "Strips" is disclaimed apart from the mark.
For Thin Metal Strips Used for Reinforcing Sheet Material, as in Display Work.
Claims use since Oct. 30, 1937.

Ser. No. 405,143. VEREINIGTE DEUTSCHE METALLWERKE AKTIENGESELLSCHAFT, Frankfort-on-the-Main-Heddernheim, Germany. Filed Apr. 11, 1938.

**Liotorso**

For Metal Tubes and Tubing.
Claims use since 1933.



Ser. No. 405,215. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Apr. 13, 1938.

**RWW**

For Staples Used in Stapling Machines for Fastening Papers, Cardboard, Fabrics, Metal, Etc., Together; also for Fastening Papers, Cardboard, Metal, Etc., on to Wood, Etc.
Claims use since June 30, 1937.

## CLASS 16

### Paints and Painters' Material

Ser. No. 403,186. KELCO COMPANY, San Diego, Calif. Filed Feb. 17, 1938.

**KELTONE**

For Sodium or Ammonium Alginate Product for Use as a Thickening Ingredient of Paints, Particularly Cold Water Paints.
Claims use since Feb. 5, 1938.

Ser. No. 405,206. HUMBLE OIL & REFINING COMPANY, Houston, Tex. Filed Apr. 13, 1938.

**RUST-BAN**

For Pigmented, Unpigmented, Transparent, Plastic and Semi-Plastic, Ready Mixed, Paste and Dry, Metallic, Bituminous, Asphaltic, Heat Resisting, Rust and Corrosion Inhibiting, and Gas Proofing Coatings of the Nature of Paints and Primers; and Thinners, Reducers, and Oils for Use Therewith.
Claims use since Jan. 25, 1938.

## CLASS 19

### Vehicles, Not Including Engines

Ser. No. 404,827. AVIATION MANUFACTURING CORPORATION, Chicago, Ill. Filed Apr. 4, 1938.




For Airplanes.
Claims use since January, 1934.

## CLASS 21

### Electrical Apparatus, Machines, and Supplies

Ser. No. 403,497. GENERAL ANIMATED SIGNS LIMITED, Toronto, Ontario, Canada. Filed Feb. 23, 1938.




For Electric Signs and Displays of All Kinds, and Electrical Equipment Used in Connection Therewith.
Claims use since May 10, 1937.

Ser. No. 403,708. THE SWARTZBAUGH MANUFACTURING COMPANY, doing business as Bancroft Manufacturing Company, Toledo, Ohio. Filed Mar. 4, 1938.

**SERVHOT**

For Electric Cooking Appliances—Namely, Electric Cookers, Electric Roasters, and Electric Food Service Equipment in the Form of Portable Devices for Electrically Heating Food Containers.
Claims use since June, 1929.

Ser. No. 403,763. HENRY C. FORSTER, doing business as Henry C. Forster Company, Chicago, Ill. Filed Mar. 7, 1938.

**HANDMAG**

For Portable Demagnetizing Device.
Claims use since Mar. 4, 1938.

Ser. No. 403,934. THE BLACK & DECKER MANUFACTURING COMPANY, Towson, Md. Filed Mar. 11, 1938.

**LECTRO-SHEAR**

The word "Shear" is disclaimed apart from the mark.
For Portable Electric Shears.
Claims use since Feb. 17, 1938.

Ser. No. 404,652. THE MAGNAVOX COMPANY, Fort Wayne, Ind. Filed Mar. 30, 1938.

**MOLANODE**

For Electrolytic Capacitors, Condensers, and Parts Thereof.
Claims use since Mar. 8, 1938.

Ser. No. 404,701. GENERAL CABLE CORPORATION, New York, N. Y. Filed Mar. 31, 1938.

**GENCASEAL**

For Insulated Electrical Wires and Cables.
Claims use since Jan. 7, 1938.

## CLASS 22

### Games, Toys, and Sporting Goods

Ser. No. 402,131. CHARLIE MCCARTHY, INC., New York, N. Y. Filed Jan. 20, 1938.




The trade-mark is the name of a fictitious character made famous on the screen and radio by the creator, Edgar Bergen.
For Dolls.
Claims use since July 30, 1937.

Ser. No. 402,132. CHARLIE MCCARTHY, INC., New York, N. Y. Filed Jan. 20, 1938.



The silhouette is fictitious.
For Dolls.
Claims use since July 30, 1937.

## CLASS 23

### Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 400,304. JOSEPH JACOBS, New York, N. Y. Filed Nov. 30, 1937.

**CELL-O Thin**

The word "Thin" is disclaimed apart from the mark.
For Razor Blades.
Claims use since Nov. 15, 1937.

Ser. No. 400,474. SNAP-ON TOOLS CORPORATION, Kenosha, Wis. Filed Dec. 4, 1937.

**TORQOMETER**

For Wrenches and Tools for Tightening Machine Part Fasteners Such as Nut Screws and the Like.
Claims use since Nov. 20, 1937.

Ser. No. 403,430. STERLING ALUMINUM PRODUCTS INC., St. Louis, Mo. Filed Feb. 25, 1938.

**ROBOT**

For Aluminum Pistons, Particularly for Internal Combustion Engines.
Claims use since Jan. 8, 1938.

Ser. No. 403,612. CALLE & PEREZ, Buenos Aires, Argentina. Filed Mar. 2, 1938.




For Razors, Safety Razors, and Razor Blades.
Claims use since Oct. 16, 1931.

Ser. No. 404,556. S. L. ALLEN & CO., INC., Philadelphia, Pa. Filed Mar. 28, 1938.




For Agricultural Implements Including Seeders, Fertilizer Distributors, Wheel Hoes, Garden Plows, Grass Edgers, Horse Hoes, Cultivators, Celery Hillers, Riding Cultivators, Orchard Cultivators, Potato Diggers, and Garden Tractors and Parts Thereof.
Claims use since Apr. 1, 1920, on agricultural implements; since Dec. 17, 1929, on garden tractors.



Ser. No. 404,650. AARON W. LEWIN, doing business as Hollis Company, Newark, N. J. Filed Mar. 30, 1938.

**Klipette**

For Instrument for Cutting Hair from Nostrils and Ears.
Claims use since Mar. 1, 1938.

## CLASS 26

### Measuring and Scientific Appliances

Ser. No. 403,040. GLENWOOD RANGE COMPANY, Taunton, Mass. Filed Feb. 15, 1938.

**TELUVISION**

For Thermostats for Cooking Stoves and Ranges.
Claims use since Jan. 28, 1938.

Ser. No. 403,891. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Mar. 10, 1938.

**PROJECT-O-CHART**

No claim is made to the word "Chart" apart from the mark.
For Apparatus for Use in Testing Eyes.
Claims use since Oct. 1, 1933.

Ser. No. 404,741. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Apr. 1, 1938.

**METROGON**

For Objective Lenses.
Claims use since Feb. 10, 1938.

## CLASS 27

### Horological Instruments

Ser. No. 404,847. FORSTNER CHAIN CORPORATION, Irvington, N. J. Filed Apr. 4, 1938.

**KOMFIT**

For Watches and Watch Cases.
Claims use since Sept. 10, 1937.

## CLASS 28

### Jewelry and Precious-Metal Ware

Ser. No. 404,726. ABRAHAM SAGER, doing business as Paramount Wedding Ring Company, Chicago, Ill. Filed Mar. 31, 1938.

**LOVEHEART**

For Finger Rings and Wedding Rings.
Claims use since Mar. 15, 1938.

Ser. No. 405,233. JOSEPH GRANAT, doing business as Granat Bros., San Francisco, Calif. Filed Apr. 11, 1938.

**Coronet**

For Finger Ring.
Claims use since July 11, 1937.

Ser. No. 405,402. NATIONAL SILVER COMPANY, New York, N. Y. Filed Apr. 18, 1938.

**OVERTURE**

For Sterling Silver and Silver Plated Flatware, Hollow Ware, and Tableware.
Claims use since Mar. 30, 1938.

## CLASS 29

### Brooms, Brushes, and Dusters

Ser. No. 403,814. DIXON & RIPPEL, Newark, N. J. Filed Mar. 8, 1938.

**DIXRIP**

For Paint Brushes, Calcimine Brushes, Glue Brushes, Bronzing Brushes, Floor Brushes, Stippling Brushes, Sing Cleaning Brushes, Artists' Brushes, Label Brushes, Paste Brushes, Ship Seam Brushes, Varnish Brushes, Casting Brushes, Radiator Brushes, Military Brushes, Roofers' Brushes, Sweeping Brushes, Lettering Brushes, Sign-Writers' Brushes, Color Brushes, Mason's Acid Brushes, Paperhangers' Brushes, Stucco Brushes, Blacking Brushes, Dust Brushes, Flat Fitch Brushes, Lacquering Brushes, Shaving Brushes, Whitewash Brushes, One-Stroke Brushes, Water-Color Brushes, Galvanising Brushes, Mottling Brushes, Pastry Brushes, Daub Brushes, Flowing Brushes, Marking Brushes, Scrubbing Brushes, Stencil Brushes, Window Brushes, Poster Brushes, Bessine Brushes, Kalsomine Brushes, Plater's Brushes, Woodfiller Brushes, Patent Leather Dusters, Painters' Dusters, Brick-liners, Floor Brooms, Sash Tools, Sweeps, and Smoothers.
Claims use since Feb. 4, 1924.

Ser. No. 404,952. O-CEDAR CORP'N, Chicago, Ill. Filed Apr. 6, 1938.

**SHAKE-AWAY**

For Mops.
Claims use since Mar. 1, 1935.

## CLASS 32

### Furniture and Upholstery

Ser. No. 399,199. A. PALADINI & Co., New York, N. Y. Filed Nov. 1, 1937.




Applicant disclaims the word "Ware" apart from the mark.
For Book-ends.
Claims use since July 15, 1937.

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Ser. No. 404,376. ROBSJOHN-GIBBINGS, LTD., New York, N. Y. Filed Mar. 22, 1938.

SANS EPOQUE

The word "Sans" is disclaimed apart from the mark.
For Furniture and Upholstery—Namely, Settees, Easy Chairs, Single Chairs, Arm Chairs, Chaise Longues, Boudoir Chairs, Dining Tables, Buffets, Console Tables, Occasional Tables, Desks, Writing Tables, Pedestals, Stands for Statuary, Bookcases, Secretaries, Beds, Mattresses and Springs, Bedside Tables; Screens—Namely, Folding, Dressing, Counter, Draft, and Such as Used for Divisional, Domestic, and Commercial Purposes; Curtain and Drapery Poles, Stools, Benches, Chests, Cupboards, Cabinets, Mirrors, Mirror Frames, Showcases, Radio Cabinets, Phonograph Cabinets, Cushions, Pillows, Picture Frames, and Magazine and Book Stands.
Claims use since Nov. 15, 1937.

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Ser. No. 404,377. ROBSJOHN-GIBBINGS, LTD., New York, N. Y. Filed Mar. 22, 1938.

Robsjohn-Gibbings

For Furniture and Upholstery—Namely, Settees, Easy Chairs, Single Chairs, Arm Chairs, Chaise Longues, Boudoir Chairs, Dining Tables, Buffets, Console Tables, Occasional Tables, Desks, Writing Tables, Pedestals, Stands for Statuary, Bookcases, Secretaries, Beds, Mattresses, and Springs, Bedside Tables; Screens—Namely, Folding, Dressing, Counter, Draft, and Such as are Used for Divisional, Domestic, and Commercial Purposes; Curtain and Drapery Poles, Stools, Benches, Chests, Cupboards, Cabinets, Mirrors, Mirror Frames, Showcases, Radio Cabinets, Phonograph Cabinets, Cushions, Pillows, Picture Frames, and Magazine and Book Stands.
Claims use since Mar. 13, 1937.

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Ser. No. 404,748. CHARAK FURNITURE COMPANY, Boston, Mass. Filed Apr. 1, 1938.

*LIMITED EDITIONS*

For Furniture Made of Wood and Including, Tables, Chairs, Couches, Beds, Cabinets, Cases, Desks, Dressers, Chests, and Vanities.
Claims use since Jan. 1, 1938.

Ser. No. 405,646. THE W. H. HICKERSON COMPANY, INC., New York, N. Y. Filed Apr. 23, 1938.

FOREFATHERS
— GROUP —

The word "Group" is disclaimed apart from the mark.
For Furniture—Namely, Beds, Benches, Chests, Dressers, Chairs, Vanities, and Night Tables.
Claims use since Apr. 21, 1938.

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## CLASS 33

### Glassware

Ser. No. 400,237. LIBBEY GLASS COMPANY, Toledo, Ohio. Filed Nov. 29, 1937.



For Drinking Glasses and for Glass Dishes.
Claims use since Oct. 15, 1937.

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Ser. No. 404,791. AMERICAN WINDOW GLASS COMPANY, Pittsburgh, Pa. Filed Apr. 2, 1938.

LUSTRAGOLD

For Sheet Glass.
Claims use since Mar. 28, 1938.

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## CLASS 34

### Heating, Lighting, and Ventilating Apparatus

Ser. No. 401,008. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Dec. 17, 1937.

PRECIPITRON

For Electrostatic Air Cleaners and Air Conditioners.
Claims use since Nov. 9, 1937.

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## CLASS 35

### Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 403,519. OLIVER TIRE & RUBBER COMPANY, Oakland, Calif. Filed Feb. 28, 1938.




For Black Sheet Gum for Patching, Cushion Gum, and Rubber in Strip Form for Retreading Tires.
Claims use since Feb. 21, 1938.



## CLASS 37

### Paper and Stationery

Ser. No. 399,235. M. A. FIRST, LTD., Atlanta, Ga. Filed Nov. 4, 1937.

LOCKBOND

For Pencil Leads.
Claims use since Nov. 24, 1936.

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Ser. No. 399,556. CHAMPION FASTENER CORP., New York, N. Y. Filed Nov. 10, 1937.

Champion



The word "Champion" is disclaimed apart from the mark.
For Paper Staples, Paper Fasteners, and Hand Stapling Machines.
Claims use since Oct. 20, 1937.

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Ser. No. 404,640. FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed Mar. 30, 1938.

BOSSNAP

For Paper Napkins, Paper Doilies, Paper Table Cloths, Tissue Paper, Crêpe Paper, and Toilet Paper.
Claims use since Mar. 9, 1938.

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Ser. No. 404,676. JOSHUA MEIR, INCORPORATED, New York, N. Y. Filed Mar. 30, 1938.

V.P.D.

For Transparent Envelopes.
Claims use since Feb. 1, 1937.

## CLASS 38

### Prints and Publications

Ser. No. 396,681. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed Aug. 23, 1937.

Patricia Collier's

The mark consists of the signature of Patricia Collier.
For Printed Matter Published From Time to Time—Namely, Recipe Books.
Claims use since June 21, 1937.

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Ser. No. 400,353. PICTURE MAGAZINES, INC., New York, N. Y. Filed Dec. 1, 1937.

Picture

For Illustrated Magazine Published From Time to Time.
Claims use since Nov. 26, 1937.

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Ser. No. 401,595. BAKELITE CORPORATION, New York, N. Y. Filed Jan. 6, 1938.

BAKELITEMS

For Magazine Section and a Booklet or Pamphlet Published From Time to Time.
Claims use since April, 1937.

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Ser. No. 403,859. THE CURTIS PUBLISHING COMPANY, Philadelphia, Pa. Filed Mar. 9, 1938.

Country Gentleman

Agricultural Journal Issued Monthly.
Claims use since Feb. 15, 1938.

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Ser. No. 403,860. THE CURTIS PUBLISHING COMPANY, Philadelphia, Pa. Filed Mar. 9, 1938.

Country Gentlewoman

For Section of an Agricultural Journal Issued Monthly.
Claims use since Feb. 15, 1938.

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Ser. No. 403,861. THE CURTIS PUBLISHING COMPANY, Philadelphia, Pa. Filed Mar. 9, 1938.

Country Gentlewoman League

For Section of an Agricultural Journal Issued Monthly.
Claims use since Feb. 15, 1938.

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Ser. No. 404,752. EARNSHAW PUBLICATIONS, INC., Newton, Mass. Filed Apr. 1, 1938.

TEEN AGE

For Buyer's Guide or Directory Published Semi-Annually.
Claims use since Feb. 26, 1938.

Ser. No. 404,902. BART MOORE, JR., San Antonio, Tex. Filed Apr. 5, 1938.

JOHNQ Observes By TRAB

For Cartoons and Newspaper Column.
Claims use since Mar. 1, 1938.

## CLASS 39

### Clothing

Ser. No. 393,740. FRANK THOMAS CO. INC., Norfolk, Va. Filed June 5, 1937.




Applicant disclaims the term "Cavalier" apart from the mark; also the outline of the label.
For Naval Service Wearing Apparel—Namely, Complete Uniforms.
Claims use since 1927.

Ser. No. 401,556. DAVENPORT HOSIERY MILLS, INC., Chattanooga, Tenn. Filed Jan. 5, 1938.




For Hosiery.
Claims use since March, 1935.

Ser. No. 403,585. HARRY FRILER COMPANY, INC., Louisville, Ky. Filed Mar. 2, 1938.

Atwood's poplin

The word "Poplin" is disclaimed apart from the mark.
For Men's and Boys' Neckties.
Claims use since Oct. 25, 1937.

Ser. No. 403,619. UNDERGARMENT MANUFACTURING COMPANY, Fort Wayne, Ind. Filed Mar. 2, 1938.



CHARNALEA

The picture is a fanciful picture of a girl known to applicant's trade as Charna Lea. The representation of the slip is disclaimed apart from the mark.
For Ladies', Misses', and Children's Undergarments—Namely, Bloomers, Panties, Silk Vests, Corset Covers, Slips, Skirts, Night Dress, Pajamas, Lounging Robes, Kimonos, Waists, Brassières, Chemises, Step-Ins, Union Suits, Combination Corset Cover and Slip, Combination Corset Cover and Step-Ins, Combination Vest and Skirt, Combination Brassière and Chemise, Combination Waist and Skirt, and a Combination Brassière and Corset Cover.
Claims use since Jan. 19, 1938.

Ser. No. 403,989. JOS. S. COHEN & SONS CO., INC., New York, N. Y. Filed Mar. 12, 1938.

"Highlights"

For Ladies' and Misses' Frocks, Dresses, and Smocks.
Claims use since Dec. 27, 1937.

Ser. No. 404,066. TURNER, TAUB & MANDEL, San Francisco, Calif. Filed Mar. 14, 1938.

TREASURE ISLAND COAT

The word "Coat" is disclaimed apart from the mark.
For Ladies' Coats.
Claims use since Mar. 8, 1938.



Ser. No. 404,097. U. S. KNITWEAR CORP., New York, N. Y. Filed Mar. 15, 1938.

NUMBA PLESE JACKET

The word "Jacket" is disclaimed apart from the mark.
For Women's, Misses', and Children's Jackets.
Claims use since Feb. 15, 1938.

Ser. No. 404,170. EVEN-PUL FOUNDATIONS, New York, N. Y. Filed Mar. 17, 1938.

Even-Pul LIFE CLASS

Applicant disclaims the term "Life" apart from the mark.
For Corselets, Brassières, and Girdles.
Claims use since October, 1937.

Ser. No. 404,278. WOHL SHOE COMPANY, St. Louis, Mo. Filed Mar. 19, 1938.

Custom Flex

No claim is made to the word "Custom" apart from the mark.
For Ladies' and Misses' Shoes, Slippers, Pumps, and Low-Quarters of Leather, Fabric, and Combinations Thereof.
Claims use since Dec. 15, 1937.

Ser. No. 404,361. H. B. GLOVER CO., Dubuque, Iowa. Filed Mar. 22, 1938.

TAILORED MAN Pajama Suit

Applicant disclaims the words "Tailored Man Pajama Suit" apart from the mark.
For Men's Pajamas.
Claims use since Feb. 21, 1938.

Ser. No. 404,379. SCHAINMAN SPORTWEAR CO., New York, N. Y. Filed Mar. 22, 1938.

Wrap rascals

The word "Wrap" is disclaimed apart from the mark.
For Men's, Women's, and Children's Clothing—Namely, Suits, Pants, Jackets, Outer Shirts, Sweaters, Scarfs, Slacks, Sport Shirts, Coats, Vests, Top-Coats, Flying Suits, Outer Skirts, Bloomers, and Jerkins Made of Various Fabrics and/or Leather.
Claims use since Jan. 17, 1937.



Ser. No. 404,423. TROJAN HAT CO. INC., New York, N. Y. Filed Mar. 23, 1938.

Spartan hats

The word "Hats" is disclaimed except as used in the mark.
For Ladies' Hats.
Claims use since Feb. 17, 1938.

Ser. No. 404,609. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Mar. 29, 1938.




No claim is made to the words "London" and "Made in England" apart from the mark.
For Hosiery.
Claims use since Mar. 23, 1938.

Ser. No. 404,610. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Mar. 29, 1938.




No claim is made to the words "Trade Mark" and "Made on Machinery Imported from England" apart from the mark.
For Hosiery.
Claims use since Mar. 23, 1938.

Ser. No. 404,619. ROSEN-EDISON CO., INC., New York, N. Y. Filed Mar. 29, 1938.

Studentcraft

For Men's Suits and Overcoats.
Claims use since January, 1936.

Ser. No. 404,720. LOBEL COMPANY, New York, N. Y. Filed Mar. 31, 1938.



The drawing is lined for blue.
For Girls' Sportswear—Namely, Play Suits, Slacks, Skirts, and Blouses.
Claims use since Feb. 24, 1938.

Ser. No. 404,787. WULF BROS., INC., New York, N. Y. Filed Apr. 1, 1938.

WULCUNA
WULTEX

For Boys', Young Men's, and Men's Suits, Overcoats, and Topcoats.
Claims use since Mar. 18, 1936.

Ser. No. 404,890. FRANCO CORSET COMPANY, New York, N. Y. Filed Apr. 5, 1938.

Winsome

For Foundations and Girdles.
Claims use since Mar. 25, 1938.

Ser. No. 404,892. J. FRIEDMAN & CO., INC., New York, N. Y. Filed Apr. 5, 1938.

Edenboro

For Men's and Young Men's Clothing—Namely, Coats, Vests, Pants, Suits, Top Coats, and Overcoats.
Claims use since Oct. 31, 1937.

Ser. No. 404,910. SHU-STILES, INCORPORATED, St. Louis, Mo. Filed Apr. 5, 1938.

Wedgies

For Women's Shoes of Leather, Fabric, and/or Combinations of the Same.
Claims use since Feb. 1, 1938.

Ser. No. 404,934. COHEN, GOLDMAN & CO. INC., New York, N. Y. Filed Apr. 6, 1938.

Tropi-tex

For Men's, Boys', and Children's Outer Garments, Consisting of Coats, Vests, Pants, and Trousers; also Men's Overcoats and Topcoats; also Women's Overcoats, Topcoats, and Suits, Consisting of Outer Coat, Ensemble, Vest, and Skirt.
Claims use since June 1, 1932.

## CLASS 40

### Fancy Goods, Furnishings, and Notions

Ser. No. 404,020. VAZAM, INC., New York, N. Y. Filed Mar. 12, 1938.

THIEF

For Buttons Made of Plastic and Similar Synthetic Materials.
Claims use since Mar. 7, 1938.



## CLASS 42

### Knitted, Netted, and Textile Fabrics

Ser. No. 404,137. S. M. SCHWAB JR. & CO., New York, N. Y. Filed Mar. 16, 1938.




For Piece Goods and Drapes, Particularly Those Known in the Trade as Rayon Damasks.
Claims use since Apr. 15, 1937.

Ser. No. 404,288. BARTMANN & BIXER INC., New York, N. Y. Filed Mar. 21, 1938.

"Permatized"

For Cotton Marquisette Curtains Finished and in the Piece.
Claims use since Mar. 1, 1938.

Ser. No. 404,366. KAPLAN BROTHERS, New York, N. Y. Filed Mar. 22, 1938.




The words "West Point" are disclaimed apart from the mark. The drawing is lined for red and gold.
For Sheets, Pillow-Cases, and Bed Spreads.
Claims use since Jan. 15, 1936.

Ser. No. 404,839. DUMARI TEXTILE CO., INC., New York, N. Y. Filed Apr. 4, 1938.

XIIMMEE

For Fabrics in the Piece of Wool, Cotton, Silk, or Rayon.
Claims use since Sept. 21, 1937.

Ser. No. 404,905. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Apr. 5, 1938.

SHANGRI-LA

For Textile Fabrics in the Piece of All Types and Styles Made of Cotton, Silk, Rayon, Artificial Silk, or Mixtures of Cotton and Silk, Cotton and Rayon, or Cotton and Artificial Silk.
Claims use since Mar. 18, 1938.

Ser. No. 404,958. WM. SIMPSON, SONS & CO., INC., Philadelphia, Pa. Filed Apr. 6, 1938.

ACLEENA

For Cotton Piece Goods.
Claims use since Mar. 8, 1938.

Ser. No. 404,978. ARTHUR BEIR & CO., INC., New York, N. Y. Filed Apr. 7, 1938.

TOPALL

For Rayon Piece Goods.
Claims use since July 10, 1935.

Ser. No. 405,044. WORUMBO MANUFACTURING COMPANY, Lisbon Falls, Maine. Filed Apr. 8, 1938.

CELEBRO

For Woolen Piece Goods.
Claims use since July, 1934.

Ser. No. 405,148. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Apr. 12, 1938.

Bloomingdahlia

For Silk Piece Goods.
Claims use since Mar. 19, 1938.

## CLASS 43

### Thread and Yarn

Ser. No. 403,933. BELDING HEMINWAY COMPANY, New York, N. Y. Filed Mar. 11, 1938.




No claim is made to the representation of the spool or to the word "Spool" apart from the mark.
For Silk and Rayon Thread.
Claims use since Aug. 15, 1937.

Ser. No. 404,430. DARLINGTON FABRICS CORPORATION, New York, N. Y. Filed Mar. 24, 1938.

"Darleen"

For Elastic Yarn Sold by the Skein or Spool.
Claims use since June 24, 1937.

## CLASS 44

### Dental, Medical, and Surgical Appliances

Ser. No. 404,144. WESTINGHOUSE X-RAY COMPANY, INC., Long Island City, N. Y. Filed Mar. 16, 1938.

PANDEX

For Apparatus Employed for the Purpose of Making Radiographic and Fluoroscopic Diagnostic Examinations.
Claims use since Nov. 26, 1937.

Ser. No. 404,145. WESTINGHOUSE X-RAY COMPANY, INC., Long Island City, N. Y. Filed Mar. 16, 1938.

Fluoradex

For Apparatus Employed for the Purpose of Making Radiographic and Fluoroscopic Diagnostic Examinations.
Claims use since Feb. 24, 1938.

## CLASS 45

### Beverages, Nonalcoholic

Ser. No. 402,102. MARVIN RUSSELL & A. PEROCCO, Santa Barbara, Calif. Filed Jan. 19, 1938.




For Carbonated Beverage Sold as a Soft Drink.
Claims use since Dec. 1, 1937.

Ser. No. 405,032. NEHI, INC., Columbus, Ga. Filed Apr. 8, 1938.



For Nonalcoholic, Maltless Beverages Sold as Soft Drinks, and Syrups and Extracts for Making the Same.
Claims use since Dec. 8, 1931.

## CLASS 46

### Foods and Ingredients of Foods

Ser. No. 387,135. LAMONT, CORLISS & COMPANY, New York, N. Y. Filed Dec. 24, 1936.



For Cocoa and Chocolate Syrup for Food Purposes.
Claims use since Mar. 13, 1926.



Ser. No. 390,016. W. E. ANDERSON COMPANY, Greeley, Colo. Filed Mar. 13, 1937.




For Potatoes in Their Natural State Not Including Canned Potatoes.
Claims use since 1922.

Ser. No. 393,633. B. T. BABBITT, INC., New York, N. Y. Filed June 4, 1937.

DAVID HARUM

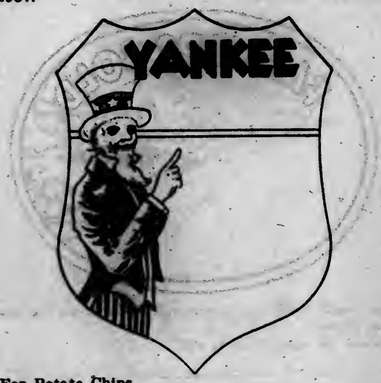
The name "David Harum" is the title of a book by Edward Noyes Westcott.
For Prepared Canned Food for Carnivorous Animals.
Claims use since May 27, 1937.

Ser. No. 395,121. BERNARDINO JOSE BORGES, Lisbon, Portugal. Filed July 12, 1937.




The words "Marca Registrada" are disclaimed apart from the mark.
For Olive Oil.
Claims use since Jan. 2, 1925.

Ser. No. 395,394. ALBERT BELSKIS, doing business as Yankee Food Prod. Co., Chicago, Ill. Filed July 19, 1937.




For Potato Chips.
Claims use since June 1, 1928.

Ser. No. 398,236. CENOVIS-WERKE G. M. B. H., Munich, Germany. Filed Oct. 7, 1937.

Cenovis

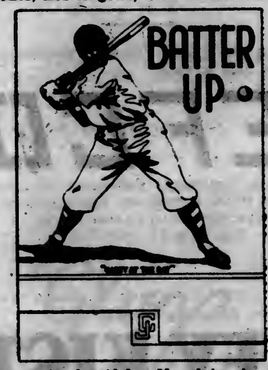
For Yeast, Baking Powder, Dietetic Foods Consisting of Oats and/or Barley in the Form of Oat Flakes, Oat Groats, Barley Flour, Flakes, and Groats, and Malt.
Claims use since 1916.

Ser. No. 398,237. CENOVIS-WERKE G. M. B. H., Munich, Germany. Filed Oct. 7, 1937.

„Heliosan"

For Yeast and Dietetic Foodstuffs Which Consist Substantially of Yeast and/or Malt Extract.
Claims use since 1929.

Ser. No. 400,013. LEONARD JONES, doing business as Casey Jones, Los Angeles, Calif. Filed Nov. 22, 1937.




The picture is fanciful. No claim is made to the representation of a label apart from the mark.
For Fresh Citrus and Deciduous Fruits, Fresh Vegetables, and Melons.
Claims use since Nov. 12, 1937.

Ser. No. 401,198. HANS HEINRICH SCHUMACHER, doing business as Bee Line Honey Co., Alhambra, Calif. Filed Dec. 23, 1937.




The word "Gold" is disclaimed apart from the mark.
For Honey.
Claims use since June 1, 1937.

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Ser. No. 401,423. J. ARON & COMPANY, INC., New Orleans, La. Filed Dec. 31, 1937.




The words "Crystals" and "Pure Cane Sugar" are disclaimed apart from the mark.
For Sugar.
Claims use since Nov. 26, 1937.

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Ser. No. 401,675. ELGIN FOODS, INCORPORATED, Elgin, Ill. Filed Jan. 3, 1938.

EFCO

For Bakery Ingredients Consisting of a Combination of Flour and Other Ingredients Which is Used as a Base for Raised Yeast Goods and Danish Pastry.
Claims use since Feb. 15, 1937.

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Ser. No. 401,598. BROWNSVILLE CITRUS ASSOCIATION, Brownsville, Tex. Filed Jan. 6, 1938.

TEX KIST

For Fresh Citrus Fruits.
Claims use since October, 1932.

Ser. No. 401,599. BROWNSVILLE CITRUS ASSOCIATION, Brownsville, Tex. Filed Jan. 6, 1938.

TEX SHORE

For Fresh Citrus Fruits.
Claims use since October, 1932.

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Ser. No. 402,304. MCCRORY STORES CORPORATION, New York, N. Y. Filed Jan. 25, 1938.




The portrait is fanciful. Applicant disclaims the words "Dixianna" and "Doughnuts" apart from the mark.
For Doughnuts.
Claims use since Nov. 15, 1937.

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Ser. No. 403,733. PEANUT PRODUCTS COMPANY, Des Moines, Iowa. Filed Mar. 5, 1938.



The words "Brand" and "Peanuts" are disclaimed except as shown. The picture is fanciful.
For Salted Peanuts.
Claims use since Jan. 2, 1938.



Ser. No. 404,007. NEBRASKA CONSOLIDATED MILLS CO., Omaha, Nebr. Filed Mar. 12, 1938.




The representation of the musician is fanciful.
For Wheat Flour.
Claims use since Jan. 31, 1938.

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Ser. No. 404,143. WESTERN GRAIN COMPANY, Birmingham, Ala. Filed Mar. 16, 1938.




For Hominy Feed for Stock and Supplement Dairy Feed.
Claims use since Jan. 3, 1938.

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Ser. No. 404,342. ADAMS & BROOKS, Los Angeles, Calif. Filed Mar. 22, 1938.

Ice Box

No claim is made to the word "Box" apart from the mark.
For Raw Popcorn.
Claims use since Mar. 14, 1938.

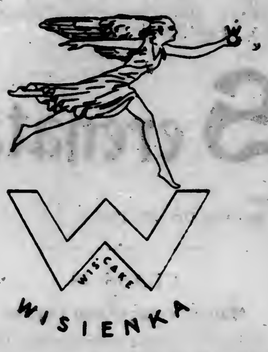
Ser. No. 404,498. WLADYSLAW TRZETRZEWINSKI, known as W. Trzet, Hoboken, N. J. Filed Mar. 25, 1938.




The word "Wisienka" is a Polish feminine name in its diminutive form. The word "Cake" is disclaimed apart from the mark.
For Cake.
Claims use since Mar. 18, 1938.

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Ser. No. 404,499. WLADYSLAW TRZETRZEWINSKI, known as W. Trzet, Hoboken, N. J. Filed Mar. 25, 1938.




The word "Wisienka" is a Polish feminine name in its diminutive form. The word "Cake" is disclaimed apart from the mark.
For Cake.
Claims use since Mar. 18, 1938.

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Ser. No. 404,666. NATIONAL LICORICE COMPANY, Brooklyn, N. Y. Filed Mar. 30, 1938.

"Glyza"

For Licorice Candy.
Claims use since May 7, 1936.

## CLASS 47

### Wines

Ser. No. 402,856. GARDEN VINEYARDS WINERY & DISTILLERY CO., Fowler, Calif. Filed Feb. 9, 1936.



77

For Wines.
Claims use since Feb. 3, 1938.

Ser. No. 404,805. HEARN DEPARTMENT STORES, INC., New York, N. Y. Filed Apr. 2, 1938.

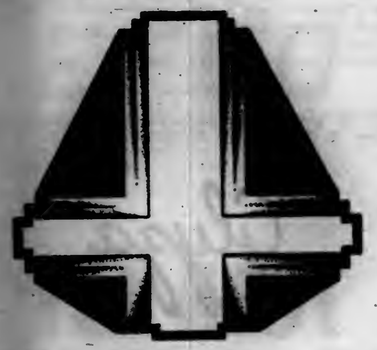
Serenata

For Wines.
Claims use since Oct. 26, 1937.

## CLASS 48

### Malt Beverages and Liquors

Ser. No. 405,023. KOPPITZ MELCHERS, INC., Detroit, Mich. Filed Apr. 8, 1938.



For Beer.
Claims use since March, 1937.

Ser. No. 405,094. MICHIGAN BREWING COMPANY, Grand Rapids, Mich. Filed Apr. 9, 1938.




Applicant disclaims the words "Michigan" and "Old" except as shown.
For Beer.
Claims use since Oct. 15, 1936.

## CLASS 49

### Distilled Alcoholic Liquors

Ser. No. 402,825. CHARLES MUIRHEAD & SON, LTD., Edinburgh, Scotland. Filed Feb. 8, 1938.




The words "A Blend of 100% Scotch Whiskies All 10 Years Old," "10 Years Old," "Famous Since 1824," "Blended Scotch Whisky," "Product of Scotland," "Blended By," "Edinburgh," and "Est. 1824," are disclaimed apart from the mark.
For Whisky.
Claims use since Mar. 1, 1936.

Ser. No. 403,268. KRAUS BROS. & CO., INC., New York, N. Y. Filed Feb. 21, 1938.

OLD PARCHMONT

For Whiskies, Gins, and Alcoholic Cordials.
Claims use since February, 1917.



Ser. No. 404,659. PENNSYLVANIA DISTILLING CO., INC., Logansport and Philadelphia, Pa. Filed Mar. 30, 1938. Under 10-year proviso.




The drawing is lined for blue.
For Whiskey.
Claims use since 1857.

## CLASS 50

### Merchandise Not Otherwise Classified

Ser. No. 404,662. RICHARD PICK & HELLER CO., Chicago, Ill. Filed Mar. 30, 1938.

CORONET
LUXERTONE

For Artificial Leather or Leatherette Especially Intended for Use as Upholstery for Furniture, but Also Used Upon Luggage, Luggage Cases, Display Cases, Jewelry Boxes, and the like.
Claims use since Feb. 14, 1938.

### [ACT OF FEBRUARY 20, 1905, AS AMENDED JUNE 20, 1936]

## CLASS 23

### Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 391,896. THE MASTER, WARDENS, SEARCHERS, ASSISTANTS AND COMMONALTY OF THE COMPANY OF CUTLERS IN HALLAMSHIRE IN THE COUNTY OF YORK, Sheffield, England. Filed Apr. 26, 1937. Under 10-year proviso. Under act of Feb. 20, 1905, as amended June 20, 1936.

SHEFFIELD

For Grinding Machinery and Parts Thereof; Ore Breaking and Crushing Machinery and Parts Thereof; Dredging Machinery and Parts Thereof; Gearing, Steam Hammers, Forging Presses, Cogging Mills; Twist Drills, Rock Drills, Milling Cutters, Planing and Moulding Irons, Reamers, End Mills, Ledger Blades, Shear Blades, Spiral Cropping Blades; Clutch Plates, Crankshafts, Pistons; Beater Bars, Plough Breasts, Plough Plates, Reaper Sections, Coulters and Discs, Cultivator Points, Tines, Turnip Pulper and Chaff Knives; Rice Hullers; Cutlery of Base Metal—Namely, Table Knives, Pocket Knives, Kitchen Knives, Table Forks, Scissors, Razors, Razor Blades, Putty Knives, Shoe Knives, Farriers' Knives, Plantation Knives; Tools of all Kinds—Namely, Files, Rasps, Chisels, Axes, Choppers, Scythes, Sickles, Hay Knives, Shears, Secateurs, Tin-Snips, Draw Plates, Worties and Dies, Augers, Cutting Taps, Matchets, Bradawls, Pincers, Pliers, Tweezers, Wrenches, Hammers, Picks, Shovels, Hoes, Punches, Agricultural Forks, Turn-Screws, Gimlets, Vices, Spanners, Tyre Levers; Bit Braces, Pneumatic Pumps.
Claims use since 1624.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 31, 1938

357,243. BEER. A. B. C. BREWING CORPORATION, St. Louis, Mo., assignor to Terre Haute Brewing Co., Inc., a corporation of Indiana.
Filed May 28, 1934. Serial No. 351,961. PUBLISHED JULY 17, 1934. Class 48.

357,244. GRILL AND FAN DOOR, WINDOW AND WALL VENTILATORS, VENTILATING FANS. STARLING INC., Harvard, Ill.
Filed May 20, 1935. Serial No. 365,172. PUBLISHED APRIL 26, 1936. Class 34.

357,245. YARNS FOR ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed April 28, 1936. Serial No. 377,760. PUBLISHED MARCH 15, 1938. Class 43.

357,246. ALIMENTARY PASTES INCLUDING MACARONI AND SPAGHETTI. V. VIVIANO & BROS., MACARONI MFG. CO., INC., St. Louis, Mo.
Filed August 24, 1936. Serial No. 382,540. PUBLISHED MARCH 22, 1938. Class 46.

357,247. MANICURE IMPLEMENTS—NAMELY, FILES, CUTICLE NIPPERS, CUTICLE SCISSORS, TWEEZERS, CUTICLE PUSHERS, AND NAIL NIPPERS. BECKMER-OTTE, INC., New York, N. Y.
Filed November 21, 1936. Serial No. 385,626. PUBLISHED MARCH 22, 1938. Class 44.

357,248. REFLECTORS FOR USE ON LAMPS AND ELECTRIC LIGHTS. LIGHT & POWER PATENTED UTILITIES CO., INC., New York, N. Y.
Filed December 1, 1936. Serial No. 386,163. PUBLISHED MARCH 22, 1938. Class 34.

357,249. MIRRORS. A. MARCHAND, INC., New York, N. Y..
Filed December 24, 1936. Serial No. 387,138. PUBLISHED MARCH 22, 1938. Class 32.

357,250. CHILDREN'S PLAYSUITS. SACKMAN BROTHERS COMPANY, New York, N. Y.
Filed December 28, 1936. Serial No. 387,212. PUBLISHED FEBRUARY 23, 1937. Class 39.

357,251. MEN'S, WOMEN'S, BOYS', AND CHILDREN'S SWEATERS, BATHING SUITS, TRUNKS, POLO SHIRTS, AND SWEATER ENSEMBLES. BARBARY SPORTSWEAR CO., New York, N. Y.
Filed December 29, 1936. Serial No. 387,237. PUBLISHED MARCH 15, 1938. Class 39.

357,252. ELECTRIC DESK AND CEILING FANS, PEDESTAL FANS, WALL FANS. THE FOLSOM COMPANY, Dallas, Tex.
Filed January 18, 1937. Serial No. 387,961. PUBLISHED MARCH 22, 1938. Class 21.

357,253. HEATING AND COOLING UNITS FUNCTIONING BY CIRCULATION OF LIQUIDS CAPABLE OF WIDE THERMAL RANGE AT SUBSTANTIALLY ATMOSPHERIC PRESSURE THROUGH OR AROUND ANY EQUIPMENT REQUIRING CONTROLLED TEMPERATURE. EDWARD G. JAY, Boston, Mass.
Filed January 29, 1937. Serial No. 388,322. PUBLISHED MARCH 22, 1938. Class 34.

357,254. KILTS. D. & H. COHEN, Glasgow, Scotland.
Filed February 23, 1937. Serial No. 389,232. PUBLISHED MARCH 22, 1938. Class 39.

357,255. MOTOR HEARSES, MOTOR AMBULANCES, CONVERTIBLE MOTOR HEARSES-AMBULANCES, FUNERAL SERVICE MOTOR CARS, AND PALL BEARERS' MOTOR CARS, EQUIPPED WITH POWER OPERATED LEVELING MEANS. HENNEY MOTOR COMPANY, Freeport, Ill.
Filed June 5, 1937. Serial No. 393,711. PUBLISHED MARCH 22, 1938. Class 19.

357,256. FERTILIZERS, PARTICULARLY A SOLUBLE NITRATE KNOWN AS UREA COLORED BY A SOLUBLE AND TINTED DYE EFFECTIVE ONLY WHEN THE MASS HAS BEEN MOISTENED. GRO-LUX, INC., St. Paul, Minn.
Filed June 15, 1937. Serial No. 394,061. PUBLISHED SEPTEMBER 14, 1937. Class 10.

357,257. BRUSHLESS SHAVING CREAM. EMMANUEL JEPSON, doing business as The-For-A-Shave Co., Albert Lea, Minn.
Filed July 20, 1937. Serial No. 395,384. PUBLISHED MARCH 22, 1938. Class 4.

357,258. CONVERTIBLE COUCHES AND BEDS. BARCALO MANUFACTURING COMPANY, Buffalo, N. Y.
Filed July 23, 1937. Serial No. 395,550. PUBLISHED MARCH 22, 1938. Class 32.

357,259. HAMS, PARTICULARLY BAKED HAMS, BOILED HAMS, SMOKED HAMS, AND READY-TO-SERVE HAMS. KREY PACKING COMPANY, St. Louis, Mo.
Filed July 28, 1937. Serial No. 395,717. PUBLISHED MARCH 22, 1938. Class 46.

357,260. AUTOMOBILE STORAGE BATTERIES. JOHNSON TIRE & SUPPLY CO., Montgomery, Ala.
Filed July 29, 1937. Serial No. 395,757. PUBLISHED MARCH 22, 1938. Class 21.

357,261. SOAP. LLOYD SOAP CO. INC., New York, N. Y.
Filed July 30, 1937. Serial No. 395,830. PUBLISHED MARCH 22, 1938. Class 4.

357,262. NAILS, BATHROOM GRAB RAILS AND TOWEL RAILS, COTTER PINS, DRIVE PINS, BOLTS, RIVETS, SCREWS, NUTS, ETC. FRIEDRICH WALTER KRAUSE, doing business as Firma Max Krause, Hamburg, Germany.
Filed August 14, 1937. Serial No. 396,408. PUBLISHED MARCH 22, 1938. Class 13.

357,263. ROUND WIRE SCRATCH BRUSHES USED LIKE ORDINARY HAND BRUSHES. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed August 17, 1937. Serial No. 396,506. PUBLISHED MARCH 22, 1938. Class 29.

357,264. FORCED DRAFT VEHICLE VENTILATORS. TATRA WORKS LTD., Prague-Smichov, Czechoslovakia.
Filed August 23, 1937. Serial No. 396,701. PUBLISHED MARCH 22, 1938. Class 34.

357,265. DRESS AND NEGLIGEE SHIRTS, SHORTS, SLACKS, AND SPORTSWEAR—NAMELY, DRESSES, BLOUSES, AND JACKETS FOR MEN, WOMEN, AND CHILDREN. WAMSUTTA MILLS, New Bedford, Mass.
Filed August 27, 1937. Serial No. 396,851. PUBLISHED MARCH 22, 1938. Class 39.

357,266. FRANKFURTER SANDWICH GRILLED IN BUTTER AND USUALLY SERVED IN A CUT ROLL OR BETWEEN SLICES OF BREAD. ALFRED A. REES, New Haven, Conn.
Filed August 31, 1937. Serial No. 396,967. PUBLISHED FEBRUARY 22, 1938. Class 46.

357,267. STATIONERY—NAMELY, LETTER HEADS, LETTER FORMS, REPLY ENVELOPES, INDEX AND RECORD FORMS, AND REPLY CARDS. CLIFFORD T. CRUDGINTON, Bridgeport, Conn.
Filed September 1, 1937. Serial No. 396,981. PUBLISHED MARCH 22, 1938. Class 37.

357,268. RUBBER-COATED FABRICS FOR UPHOLSTERY PURPOSES. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed September 2, 1937. Serial No. 397,025. PUBLISHED MARCH 22, 1938. Class 50.





357,269. COOKIES, CAKES, BISCUITS, AND CRACKERS. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y.
Filed September 10, 1937. Serial No. 397,292. PUBLISHED JANUARY 11, 1938. Class 46.

357,270. IMPREGNATED TAPE FOR ELECTRICAL USE. L. M. SIMON & Co., Rochester, N. Y.
Filed September 10, 1937. Serial No. 397,307. PUBLISHED MARCH 22, 1938. Class 21.

357,271. PERIOD FURNITURE REPRODUCTIONS OF HIGHBOYS, CHAIRS, TABLES, SIDEBOARDS, CORNER CUPBOARDS, BEDSTEADS, SOFAS, AND DESKS. JAMES ROBERT TAYLOR, Sr., Charlotte, N. C.
Filed September 14, 1937. Serial No. 397,427. PUBLISHED MARCH 22, 1938. Class 32.

357,272. POTTERY STATUETTES AND BRIC-A-BRAC. EDWARD BOEHM, Tampa, Fla.
Filed September 16, 1937. Serial No. 397,597. PUBLISHED MARCH 22, 1938. Class 50.

357,273. CURRENT TRANSFORMERS AND RECTIFIERS. ELECTRO-CONVERTER CO., Chicago, Ill.
Filed September 22, 1937. Serial No. 397,650. PUBLISHED MARCH 22, 1938. Class 21.

357,274. RADIAL PUMPS, PLATEN PRESS, HOT PLATE PRESSES, FORMING PRESSES, SALT BLOCK PRESS, BLOCKING PRESSES, PLASTIC MOLDING PRESS, INJECTION MOLDING PRESSES, DRY ICE PRESSES, AND EXTRUSION PRESSES. THE HYDRAULIC PRESS MFG. COMPANY, Mount Gilead, Ohio.
Filed September 24, 1937. Serial No. 397,756. PUBLISHED MARCH 22, 1938. Class 23.

357,275. PLASTIC MOLDING COMPOSITIONS. THE INSEL COMPANY, Arlington, N. J.
Filed September 24, 1937. Serial No. 397,757. PUBLISHED MARCH 15, 1938. Class 1.

357,276. WRENCHES. BLACKHAWK MFG. CO., Milwaukee, Wis.
Filed October 11, 1937. Serial No. 398,340. PUBLISHED MARCH 22, 1938. Class 23.

357,277. SCIENTIFIC, LABORATORY, AND INDUSTRIAL GLASSWARE, PARTICULARLY SYRINGES, TEST TUBES, DRAINAGE TUBES, STOP COCKS, STOPPERS, CONDENSERS, GROUND JOINTS, BOTTLES, PIPE LINES, EVAPORATING DISHES AND TRAYS, JARS AND CONTAINERS, BEAKERS AND FLASKS. TAMWORTH ASSOCIATES, INC., Needham, Mass.
Filed October 12, 1937. Serial No. 398,414. PUBLISHED MARCH 22, 1938. Class 26.

357,278. LADIES' SPORTS COATS, TROUSERS, GOLF JACKETS, OVERSKIRTS, SUITS, COSTUMES, PULLOVERS, AND SWEATERS; MEN'S SPORTS COATS, TROUSERS, GOLF JACKETS, SUITS, PULLOVERS, AND SWEATERS; CHILDREN'S SPORTS COATS, TROUSERS, GOLF JACKETS, OVERSKIRTS, SUITS, COSTUMES, PULLOVERS, AND SWEATERS. JOHN WILLIAM PELL, Leicester, England.
Filed October 14, 1937. Serial No. 398,485. PUBLISHED MARCH 22, 1938. Class 39.

357,279. MEDICINAL SALVE FOR USE IN THE TREATMENT OF ECZEMA, BLOOD POISONING, FOOT IRRITATIONS, BOILS, CUTS, AND VARIOUS KINDS OF SKIN INFECTIONS AND IRRITATIONS. CLIFFORD S. GRAHAM, Columbus, Ohio.
Filed October 25, 1937. Serial No. 398,899. PUBLISHED JANUARY 18, 1938. Class 6.

357,280. GENERAL TONIC FOR RUN-DOWN CONDITION. EUZEMAR LEONARD, Miami, Fla.
Filed October 27, 1937. Serial No. 398,995. PUBLISHED JANUARY 18, 1938. Class 6.

357,281. SURFACE COATED TWO SIDE POST CARD STOCK. THE APPLETON COATED PAPER CO., Appleton, Wis.
Filed November 3, 1937. Serial No. 399,265. PUBLISHED MARCH 22, 1938. Class 37.

357,282. WHISKIES, BRANDIES, GINS, CORDIALS, AND LIQUEURS. PALMER HOUSE COMPANY, Chicago, Ill.
Filed November 10, 1937. Serial No. 399,566. PUBLISHED MARCH 22, 1938. Class 49.

357,283. WINES OF ALL SORTS, INCLUDING DOMESTIC AND FOREIGN. PALMER HOUSE COMPANY, Chicago, Ill.
Filed November 10, 1937. Serial No. 399,567. PUBLISHED MARCH 22, 1938. Class 47.

357,284. EARTHENWARE FOR OVEN AND REFRIGERATOR USE AND TABLE SERVICE. THE HOMER LAUGHLIN CHINA COMPANY, Newell, W. Va.
Filed November 15, 1937. Serial No. 399,815. PUBLISHED JANUARY 25, 1938. Class 30.

357,285. PATTERNS FOR WOMEN'S AND CHILDREN'S CLOTHES. DRESS-O-GRAMS, Philadelphia, Pa.
Filed November 19, 1937. Serial No. 399,922. PUBLISHED MARCH 22, 1938. Class 26.

357,286. KEY RACK COMPRISING A PLATE CARRYING KEY SUPPORTING ELEMENTS, A PLURALITY OF THE PLATES BEING ADAPTED TO BE PLACED WITHIN A DRAWER OR THE LIKE. THE KEY-O-FILE SYSTEM, Asheville, N. C.
Filed November 23, 1937. Serial No. 400,060. PUBLISHED MARCH 22, 1938. Class 50.

357,287. ANIMAL PLAY-STRAPS. JOHN S. MAHLER, Chicago, Ill., assignor to Pet Specialties Company, Chicago, Ill., an unincorporated association.
Filed November 23, 1937. Serial No. 400,063. PUBLISHED FEBRUARY 8, 1938. Class 22.

357,288. WHEAT FLOUR, SELF RISING WHEAT FLOUR, AND PHOSPHATED WHEAT FLOUR. RALPH F. COX, Atlanta, Ga.
Filed November 30, 1937. Serial No. 400,291. PUBLISHED MARCH 22, 1938. Class 46.

357,289. MURIATE OF POTASH. POTASH COMPANY OF AMERICA, Baltimore, Md., Atlanta, Ga., and Carlsbad, N. Mex.
Filed November 30, 1937. Serial No. 400,310. PUBLISHED MARCH 22, 1938. Class 10.

357,290. FLOOR RUGS OF RUBBER COMPOSITION AND DRAPABLE SHEET COVERINGS FOR PORTABLE USE AS HEAT INSULATION MADE OF RUBBER COMPOSITION. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn.
Filed December 2, 1937. Serial No. 400,389. PUBLISHED MARCH 22, 1938. Class 50.

357,291. OPHTHALMIC MOUNTINGS AND PARTS THEREOF. UHLEMANN OPTICAL CO. OF ILLINOIS, Chicago, Ill.
Filed December 2, 1937. Serial No. 400,392. PUBLISHED MARCH 22, 1938. Class 26.

357,292. MEN'S, YOUNG MEN'S, AND BOYS' SUITS, OVERCOATS, TOPCOATS, AND TROUSERS. EDWARD FINK CLOTHING CO., INC., New York, N. Y.
Filed December 4, 1937. Serial No. 400,455. PUBLISHED MARCH 22, 1938. Class 39.

357,293. BEER. READ BROTHERS, LIMITED, London, England.
Filed December 4, 1937. Serial No. 400,467. PUBLISHED MARCH 22, 1938. Class 48.

357,294. ONE, TWO, AND THREE PIECE DRESSES FOR WOMEN AND GIRLS AND SWEATERS AND KNITTED COATS FOR WOMEN AND CHILDREN, SAME BEING MADE AND WILL BE MADE OF SILK, WOOL, COTTON, RAYON, AND OF A MIXTURE OF ANY AND ALL SUCH MATERIALS OF WOVEN AND KNITTED FABRICS. THE LAMPL SPORTSWEAR MANUFACTURING COMPANY, Cleveland, Ohio.
Filed December 6, 1937. Serial No. 400,487. PUBLISHED MARCH 22, 1938. Class 39.

357,296. SEWING MACHINE NEEDLES. THE BOYE NEEDLE COMPANY, Chicago, Ill.
Filed December 7, 1937. Serial No. 400,540. PUBLISHED MARCH 22, 1938. Class 23.

357,296. APPARATUS FOR DETECTING LEAKAGE OF GASES. THE PRESTO-O-LITE COMPANY, INC., New York, N. Y.
Filed December 7, 1937. Serial No. 400,569. PUBLISHED MARCH 22, 1938. Class 26.

357,297. CEDAR CHESTS. WEST BRANCH NOVELTY COMPANY, Milton, Pa.
Filed December 8, 1937. Serial No. 400,623. PUBLISHED MARCH 22, 1938. Class 32.

357,298. RAYON LINING IN THE PIECE. H. A. GITLIN & Co., New York, N. Y.
Filed December 9, 1937. Serial No. 400,639. PUBLISHED MARCH 22, 1938. Class 42.

357,299. SCOURING SOAP. THE HOLBROOK MFG. CO., Jersey City, N. J.
Filed December 9, 1937. Serial No. 400,642. PUBLISHED MARCH 22, 1938. Class 4.

357,300. WHISKEY, GIN, BRANDY, RUM, AND ALCOHOLIC CORDIALS. THE STEINHARDT COMPANY, INC., New York, N. Y.
Filed December 13, 1937. Serial No. 400,803. PUBLISHED MARCH 22, 1938. Class 49.

357,301. GROUND SHALE FOR USE IN THE PAINT, RUBBER, AND FLOOR COVERING TRADE AS A FILLER. BINNEY & SMITH CO., New York, N. Y.
Filed December 14, 1937. Serial No. 400,825. PUBLISHED MARCH 22, 1938. Class 1.

357,302. HEALTH BELTS OR BODY BRACES USED FOR ABDOMINAL AND BACK SUPPORT. SHERI MANECK, doing business as Abdoff Health Belt Company, Hollywood, Calif.
Filed December 15, 1937. Serial No. 400,892. PUBLISHED MARCH 22, 1938. Class 44.

357,303. TOILET AND BATH SOAPS, PARTICULARLY SOAP BODIES IN THE FORM OF NOVELTIES. KERK GUILD, INC., Whitesboro, N. Y.
Filed December 17, 1937. Serial No. 400,975. PUBLISHED MARCH 22, 1938. Class 4.

357,304. SMOKING TOBACCO. PETERSON'S TOBACCO CORPORATION, New York, N. Y.
Filed December 20, 1937. Serial No. 401,074. PUBLISHED MARCH 22, 1938. Class 17.

357,305. PISTON RINGS. SEALED POWER CORPORATION, Muskegon, Mich.
Filed December 20, 1937. Serial No. 401,079. PUBLISHED MARCH 22, 1938. Class 35.

357,306. HOSE CLAMPS AND PARTS THEREOF. BAND-IT COMPANY, Denver, Colo.
Filed December 21, 1937. Serial No. 401,101. PUBLISHED MARCH 22, 1938. Class 13.

357,307. DRY CLEANER. WINTHROP AND WARD, INCORPORATED, New York, N. Y.
Filed December 21, 1937. Serial No. 401,124. PUBLISHED MARCH 22, 1938. Class 4.

357,308. MEN'S AND BOYS' SUITS. LOUIE F. METCALF, Greenville, Ala.
Filed December 24, 1937. Serial No. 401,222. PUBLISHED MARCH 22, 1938. Class 39.

357,309. MATTRESSES AND BED SPRINGS. H. B. SELVIN, WESTWOOD FURNITURE COMPANY, Westwood, N. J.
Filed December 24, 1937. Serial No. 401,225. PUBLISHED MARCH 22, 1938. Class 32.

357,310. QUILTS, PADS FOR BEDS, COTS, COUCHES, DAVENPORTS, CRIBS, CHAIRS, AND SEATS. CHESTER L. THOMAS, doing business as Thomas Quilt Factories, Denver, Colo.
Filed December 27, 1937. Serial No. 401,282. PUBLISHED MARCH 22, 1938. Class 42.

357,311. ANTHRACITE COAL. THE PHILADELPHIA AND READING COAL AND IRON COMPANY, Philadelphia, Pa.
Filed December 29, 1937. Serial No. 401,350. PUBLISHED MARCH 22, 1938. Class 1.

357,312. PAPER BOXES AND MERCHANDISE ENVELOPES. THE SEYBOLD PAPER COMPANY, Cincinnati, Ohio.
Filed December 30, 1937. Serial No. 401,403. PUBLISHED MARCH 22, 1938. Class 2.

357,313. GLOVE LEATHER. BACMO POSTMAN CORPORATION, New York, N. Y.
Filed December 31, 1937. Serial No. 401,425. PUBLISHED MARCH 22, 1938. Class 1.

357,314. WINE. MAISON GEISWEILER & FILS, SOCIETE ANONYME, Nuits-Saint-Georges, France.
Filed December 31, 1937. Serial No. 401,442. PUBLISHED MARCH 22, 1938. Class 47.

357,315. BEER. GUNTHER BREWING COMPANY, INC., Baltimore, Md.
Filed January 4, 1938. Serial No. 401,544. PUBLISHED MARCH 22, 1938. Class 46.

357,316. ARCH SUPPORTS. HAROLD F. SWANT, doing business as Arch-Heeler Company, Council Bluffs, Iowa.
Filed January 5, 1938. Serial No. 401,586. PUBLISHED MARCH 22, 1938. Class 44.

357,317. WHISKEY. TAYLOR & WILLIAMS DISTILLERIES, INC., Louisville, Ky.
Filed January 5, 1938. Serial No. 401,588. PUBLISHED MARCH 22, 1938. Class 49

357,318. VEHICLE REARVIEW MIRRORS. YANKEE METAL PRODUCTS CORP., Norwalk, Conn.
Filed January 5, 1938. Serial No. 401,592. PUBLISHED MARCH 22, 1938. Class 19.

357,319. WOMEN'S AND MISSES' DRESSES. GOLDSTEIN & LEVIN, Philadelphia, Pa.
Filed January 10, 1938. Serial No. 401,741. PUBLISHED MARCH 22, 1938. Class 39.

357,320. CLEANING FLUID. LA MAISON PRODUCTS, INC., New York, N. Y.
Filed January 10, 1938. Serial No. 401,742. PUBLISHED MARCH 22, 1938. Class 4.

357,321. READY MIXED PASTE AND LIQUID PAINTS FOR APPLICATION TO BRICK, MASONRY AND CONCRETE SURFACES. I. F. LAUCKS, INC., Seattle, Wash.
Filed January 10, 1938. Serial No. 401,745. PUBLISHED MARCH 22, 1938. Class 16.

357,322. WHISKEY. F. D. & M. BEVERAGE CO., Jersey City, N. J.
Filed January 11, 1938. Serial No. 401,773. PUBLISHED MARCH 22, 1938. Class 49.

357,323. FROZEN CONFECTIONS. FROZEN NOVELTIES, INC., Long Island City, N. Y.
Filed January 11, 1938. Serial No. 401,777. PUBLISHED MARCH 22, 1938. Class 46.

357,324. PLAIN AND PRINTED RAYON AND ACETATE CLOTH IN THE PIECE. CHOPAK TEXTILE CO. INC., New York, N. Y.
Filed January 13, 1938. Serial No. 401,848. PUBLISHED MARCH 22, 1938. Class 42.

357,325. PAPER NAPKINS, PAPER TOWELS, TOILET PAPER. GRAHAM MANUFACTURING COMPANY, Holyoke, Mass.
Filed January 13, 1938. Serial No. 401,859. PUBLISHED MARCH 22, 1938. Class 37.

357,326. COFFEE. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed January 13, 1938. Serial No. 401,875. PUBLISHED MARCH 22, 1938. Class 46.

357,327. UTILITY CASES, OTHERWISE KNOWN AS TOURIST CASES. AMERICAN TRAVELING GOODS CO., INC., Boston, Mass.
Filed January 17, 1938. Serial No. 401,976. PUBLISHED MARCH 22, 1938. Class 3.



357,328. INK BRUSHES, TYPE BRUSHES, VARNISH, CEMENT, AND CORRECTION FLUID BRUSHES, AND BRUSHES USED IN THE PREPARATION OF STENCILS AND STENCIL SHEETS. A. B. DICK COMPANY, Chicago, Ill.
Filed January 17, 1938. Serial No. 401,990. PUBLISHED MARCH 22, 1938. Class 29.

357,329. KNITTED SWEATERS. IRWILL KNITWEAR CORP., New York, N. Y.
Filed January 17, 1938. Serial No. 402,005. PUBLISHED MARCH 22, 1938. Class 39.

357,330. LIQUID METAL PAINT. NOBS CHEMICAL COMPANY, Los Angeles, Calif.
Filed January 17, 1938. Serial No. 402,013. PUBLISHED MARCH 22, 1938. Class 16.

357,331. WHEAT FLOUR. OMAR MILLS, INC., Omaha, Nebr.
Filed January 17, 1938. Serial No. 402,014. PUBLISHED MARCH 22, 1938. Class 46.

357,332. WHEAT FLOUR. OMAR MILLS, INC., Omaha, Nebr.
Filed January 17, 1938. Serial No. 402,015. PUBLISHED MARCH 22, 1938. Class 46.

357,333. INFANT'S OR CHILD'S SLEEPING GARMENT. TIDY PRODUCTS CORPORATION, New York, N. Y.
Filed January 17, 1938. Serial No. 402,035. PUBLISHED MARCH 22, 1938. Class 39.

357,334. TALISMANS—NAMELY, CHARMS OR AMULETS. ALLEN LEIBER, Chicago, Ill.
Filed January 19, 1938. Serial No. 402,095. PUBLISHED MARCH 22, 1938. Class 50.

357,335. RADIO AND ELECTRICAL POWER SUPPLY UNITS AND PARTS THEREFOR. THE RADIART CORPORATION, East Cleveland, Ohio.
Filed January 20, 1938. Serial No. 402,141. PUBLISHED MARCH 22, 1938. Class 21.

357,336. ELECTRIC FUSES. TRICO FUSE MFG. CO., Milwaukee, Wis.
Filed January 20, 1938. Serial No. 402,148. PUBLISHED MARCH 22, 1938. Class 21.

357,337. SENSITIZED PHOTOGRAPHIC FILM. AGFA ANSCO CORPORATION, Binghamton, N. Y.
Filed January 21, 1938. Serial No. 402,165. PUBLISHED MARCH 22, 1938. Class 26.

357,338. MEASURING AND CONTROL INSTRUMENTS AND APPARATUS FOR AUTOMATICALLY CONTROLLING AN OPERATION RESPONSIVELY TO THE FLUCTUATIONS OF A VARIABLE CONDITION. THE BROWN INSTRUMENT COMPANY, Philadelphia, Pa.
Filed January 21, 1938. Serial No. 402,175. PUBLISHED MARCH 22, 1938. Class 26.

357,339. LADIES' AND MISSES' SLIPS. S. COHEN & COMPANY, New York, N. Y.
Filed January 21, 1938. Serial No. 402,177. PUBLISHED MARCH 22, 1938. Class 39.

357,340. SCOTCH WHISKY. AINSLIE & HEILBRON (DISTILLERS) LIMITED, Glasgow, Scotland.
Filed January 22, 1938. Serial No. 402,211. PUBLISHED MARCH 22, 1938. Class 49.

357,341. HOSIERY. BACON-SCOTT COMPANY, INC., New York, N. Y.
Filed January 22, 1938. Serial No. 402,213. PUBLISHED MARCH 22, 1938. Class 39.

357,342. BLENDED SCOTCH TYPE WHISKEY. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y.
Filed January 27, 1938. Serial No. 402,361. PUBLISHED MARCH 22, 1938. Class 49.

357,343. CARPETS AND RUGS. THE MAGEE CARPET COMPANY, Bloomsburg, Pa.
Filed January 28, 1938. Serial No. 402,395. PUBLISHED MARCH 22, 1938. Class 42.

357,344. CARPETS AND RUGS. THE MAGEE CARPET COMPANY, Bloomsburg, Pa.
Filed January 28, 1938. Serial No. 402,403. PUBLISHED MARCH 22, 1938. Class 42.

357,345. MEN'S SUITS. ALFRED DECKER & COHN, INC., Chicago, Ill.
Filed January 28, 1938. Serial No. 402,417. PUBLISHED MARCH 22, 1938. Class 39.

357,346. ALCOHOLIC BITTERS. UNIVERSAL WINE & LIQUOR CO., Chicago, Ill.
Filed January 28, 1938. Serial No. 402,454. PUBLISHED MARCH 22, 1938. Class 49.

357,347. WOMEN'S SPORT SHIRTS. THE B. V. D. CORPORATION, Baltimore, Md.
Filed January 29, 1938. Serial No. 402,463. PUBLISHED MARCH 22, 1938. Class 39.

357,348. LEATHER APRONS OR BELTS USED IN WORSTED COMBING AND DRAWING MACHINES. R. H. HOOD COMPANY, Philadelphia, Pa.
Filed January 29, 1938. Serial No. 402,476. PUBLISHED MARCH 22, 1938. Class 35.

357,349. SHEETS, BLANKETS, AND COMFORTERS. GIMBEL BROTHERS, INC., New York, N. Y.
Filed January 31, 1938. Serial No. 402,519. PUBLISHED MARCH 22, 1938. Class 42.

357,350. WHISKEY. PENNSYLVANIA DISTILLING CO., INC., Logansport and Philadelphia, Pa.
Filed January 31, 1938. Serial No. 402,539. PUBLISHED MARCH 22, 1938. Class 49.

357,351. WHISKEY AND GIN. HIRAM WALKER & SONS, INC., Peoria, Ill.
Filed February 2, 1938. Serial No. 402,613. PUBLISHED MARCH 22, 1938. Class 49.

357,352. ALE. THE SUNRISE BREWING CO., Cleveland, Ohio.
Filed February 7, 1938. Serial No. 402,798. PUBLISHED MARCH 22, 1938. Class 48.

## [ACT OF MARCH 19, 1920, SEC. 1 (b)]

## THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

357,353. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAMONT, CORLISS & COMPANY, New York, N. Y. Filed Jan. 7, 1936. Serial No. 373,420.

Choclets

For Prepared Edible Chocolate.
Claims use since Sept. 16, 1935.

357,354. (CLASS 5. ADHESIVES.) I. F. LAUCKS, INC., Seattle, Wash. Filed June 23, 1936. Serial No. 380,107.

SOYA-MASTIC

For Glue.
Claims use since June 15, 1936.

357,355. (CLASS 5. ADHESIVES.) I. F. LAUCKS, INC., Seattle, Wash. Filed June 23, 1936. Serial No. 380,108.

SOYMASTIC

For Glue.
Claims use since June 15, 1936.

357,356. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Dec. 18, 1936. Serial No. 386,906.

QUIKSEALS

For Caps or Closures for Containers, Including Bottles and Jars.
Claims use since Nov. 20, 1936.

357,357. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) HIRAM WALKER & SONS INC., Peoria, Ill. Filed Jan. 25, 1937. Serial No. 388,161.

MOUNT CLEMENS

For Whiskey.
Claims use since Nov. 11, 1936.

357,358. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) EVR-KLEAN SEAT PAD CO., St. Louis, Mo. Filed Feb. 15, 1937. Serial No. 388,929.

EVR-KOOL

For Vehicle Seat Covers and Pads.
Claims use since Jan. 1, 1937.

357,359. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GLOBE-UNION INC., Milwaukee, Wis. Filed Feb. 18, 1937. Serial No. 389,064.

ROLLER-SCOOTER

For Truck Assemblies Employed With Toy Scooters.
Claims use since Dec. 24, 1936.

357,360. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILLER AND HART, INC., Chicago, Ill. Filed Mar. 12, 1937. Serial No. 389,996.




For Ham.
Claims use since Mar. 1, 1937.

357,361. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Akron and Cleveland, Ohio, Baltimore, Md., Denver, Colo., Los Angeles, Calif., St. Louis, Mo. Filed Apr. 14, 1937. Serial No. 391,332.




For Electrical Vacuum Cleaners.
Claims use since Feb. 28, 1937.

357,362. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE U-SELECT-IT CORPORATION, Dover, Del. Filed Apr. 17, 1937. Serial No. 391,500.

U-SELECT-IT

For Vending Machines for All Classes of Goods.
Claims use since Mar. 15, 1937.

357,363. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) PRECISION DEVICES, INC., Chicago, Ill. Filed Apr. 26, 1937. Serial No. 391,885.

MONO-DRAWER

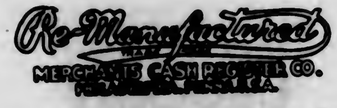
For Oil Burners and Parts.
Claims use since Jan. 22, 1937.

357,364. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) PRECISION DEVICES, INC., Chicago, Ill. Filed Apr. 26, 1937. Serial No. 391,886.

MONO-DRIVE

For Oil Burners and Parts.
Claims use since Jan. 22, 1937.

357,365. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WALTER M. GRAFTON, doing business as Merchants Cash Register Co., Philadelphia, Pa. Filed May 19, 1937. Serial No. 392,980.




For Cash Registers, Coin-Counting Devices, Fare Registering Devices for Use on Taxi-Cabs, Trolley Cars, Busses.
Claims use since May 25, 1935.



357,366. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) AUTOMATIC BURNER CORPORATION, Chicago, Ill. Filed May 20, 1937. Serial No. 393,014.

ADAPTAIR

For Oil Burners and Parts Thereof.
Claims use since Apr. 12, 1937.

357,367. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) AUTOMATIC BURNER CORPORATION, Chicago, Ill. Filed May 20, 1937. Serial No. 393,015.

GOVERNOIL

For Oil Burners and Parts Thereof.
Claims use since Apr. 12, 1937.

357,368. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WALKER H. SPAYD, doing business as King Grader Sales Co., Van Wert, Ohio. Filed Dec. 6, 1937. Serial No. 400,535.

KING

For Hand and Power Graders for Potatoes, Onions, and Similar Vegetables, Cleaners for Potatoes, Onions, and Similar Vegetables, and Elevator Attachments for Such Vegetable Graders and Cleaners.
Claims use since Dec. 8, 1932.

357,369. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SCREW CONVEYOR CORPORATION, Hammond, Ind. Filed Dec. 27, 1937. Serial No. 401,278.

NU-TYPE

For Elevator Buckets.
Claims use since April, 1935.

357,370. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WALTER SPIEGEL, New York, N. Y. Filed Jan. 11, 1938. Serial No. 401,804.

Tok Fone

For Intercommunicating Telephone Sets.
Claims use since Apr. 14, 1937.

357,371. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Feb. 24, 1938. Serial No. 403,373.

ESTRELLA

For Soap.
Claims use since July, 1928.

357,372. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ULTRA MANUFACTURING CO., INC., New York, N. Y. Filed Feb. 28, 1938. Serial No. 403,529.

ALLWAY SAW

For Saws, Including Saw Blades and Saw Handles.
Claims use since Feb. 6, 1936.

357,373. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BLOOMINGDALE BROS., INC., New York, N. Y. Filed Mar. 1, 1938. Serial No. 403,538.

LYTASAIRE

For Hand Luggage—Namely, Valises, Travelling Cases, Gladstone Cases, and Hat Boxes, and Trunks.
Claims use since June 27, 1936.

357,374. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GIROUX COMPANY, INC., New York, N. Y. Filed Mar. 14, 1938. Serial No. 404,042.

DRURY LANE

For Worcestershire Sauce.
Claims use since Sept. 26, 1930.

357,375. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MANDEE FABRICS, INC., New York, N. Y. Filed Mar. 31, 1938. Serial No. 404,721.

MANCEL

For Textile Fabrics in the Piece, of Cotton, Wool, Silk, Rayon, and Combinations of Said Materials.
Claims use since Jan. 2, 1936.

## TRADE-MARK REGISTRATIONS RENEWED

15,801. CONDENSED MILK. Registered August 21, 1888. NEW YORK CONDENSED MILK COMPANY. Renewed August 21, 1938, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

118,770. A NON-INTOXICATING BEVERAGE OF A MALT NATURE OF THE KIND COMMONLY KNOWN AS SOFT DRINKS. Registered October 2, 1917. GRIESEDIECK BEVERAGE COMPANY. Renewed October 2, 1937, to Falstaff Brewing Corporation, St. Louis, Mo., a corporation of Delaware, successor.

120,328. CERTAIN NAMED FOODS. Registered February 5, 1918. BLATCHFORD'S CALF MEAL FACTORY. Renewed February 5, 1938, to Blatchford Calf Meal Co., Waukegan, Ill., a corporation of Illinois, by change of name.

120,819. MEAL, CALF-MEAL, PIG-MEAL, LAMB-MEAL, AND DAIRY-MEAL, SUCH MEAL IN EACH INSTANCE COMPRISING A COMPOUNDED GROUND FEED FOR ANIMALS. Registered March 12, 1918. BLATCHFORD'S CALF MEAL FACTORY. Renewed March 12, 1938, to Blatchford Calf Meal Co., Waukegan, Ill., a corporation of Illinois, by change of name.

121,286. SUGAR-MILL MACHINERY, CORLISS ENGINES, OIL-ENGINES, CANE-CRUSHING MILLS, AND CANE-CRUSHING ROLLERS. Registered April 23, 1918. FULTON IRON WORKS COMPANY, St. Louis, Mo., a corporation of Delaware. Renewed April 23, 1938.

121,327. PORTABLE ELECTRIC LAMPS. Registered April 23, 1918. HENRY M. PETERS, Chicago, Ill. Renewed April 23, 1938, to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois, assignee.

121,357. PAINT-OILS, VARNISHES, DRIERS, AND FILLERS. Registered April 23, 1918. THE TOWER VARNISH & DRYER COMPANY, Dayton, Ohio, a corporation of Ohio. Renewed April 23, 1938.

121,536. MOLASSES. Registered May 7, 1918. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y. Renewed May 7, 1938, to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey.

121,537. SYRUP FOR USE AS A FOOD. Registered May 7, 1918. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y. Renewed May 7, 1938, to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey.

121,602. LUBRICATING-OILS. Registered May 14, 1918. DETROIT SOLUBLE OIL CO., Detroit, Mich. Renewed May 14, 1938, to The Pure Oil Company, Chicago, Ill., a corporation of Ohio, assignee by mesne assignments.

121,989. CERTAIN NAMED OILS AND GREASES. Registered June 11, 1918. THE WHITE EAGLE PETROLEUM COMPANY, Chanute, Kans. Renewed June 11, 1938, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, assignee by mesne assignments.

122,247. GASOLENE. Registered July 9, 1918. WESTERN OIL REFINING COMPANY, Indianapolis, Ind. Renewed July 9, 1938, to Shell Petroleum Corporation, St. Louis, Mo., a corporation of Virginia, assignee.

122,286. FOOD-FLAVORING EXTRACTS. Registered July 16, 1918. THE C. F. SAUER CO., Richmond, Va., a corporation of Virginia. Renewed July 16, 1938.

122,517. MACHINES FOR CLEANING WATER-MAINS AND BOILER-TUBES. Registered August 20, 1918. NATIONAL WATER MAIN CLEANING CO. Renewed August 20, 1938, to National Water Main Cleaning Co., New York, N. Y., a corporation of Maine, successor.

122,603. CHEESE. Registered August 27, 1918. THE MONROE CHEESE CO., Monroe, N. Y. Renewed August 27, 1938, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

122,764. KNITTED UNDERWEAR AND BATHING-SUITS IN ONE AND TWO PIECE GARMENTS, JERSEYS, SWEATERS, AND HOSIERY. Registered September 10, 1918. ARTHUR M. WEBB. Renewed September 10, 1938, to A. M. Webb & Co., Inc., New York, N. Y., a corporation of New York, assignee.

122,834. GASOLENE. Registered September 17, 1918. WESTERN OIL REFINING COMPANY, Indianapolis, Ind. Renewed September 17, 1938, to Shell Petroleum Corporation, St. Louis, Mo., a corporation of Virginia, assignee.

123,008. PAINT-CLEANER. Registered October 8, 1918. THE ABSORENE MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed October 8, 1938.

123,015. CERTAIN NAMED PAPER AND STATIONERY. Registered October 8, 1918. J. C. BLAIR COMPANY, Huntingdon, Pa., Renewed October 8, 1938, to Western Tablet & Stationery Corporation, Dayton, Ohio, a corporation of Delaware, assignee.

123,025. A PREPARATION IN POWDER FORM TO BE USED AS A SUBSTITUTE FOR EGGS. Registered October 8, 1918. COMMERCIAL LABORATORIES, INC., Newark, N. Y., a corporation of New York. Renewed October 8, 1938.

123,028. DICTATING-MACHINES. Registered October 8, 1918. THOMAS A. EDISON, INCORPORATED, West Orange, N. J., a corporation of New Jersey. Renewed October 8, 1938.

123,029. FISHING-TACKLE—NAMELY, REELS, POLES, LINES, SINKERS, FLOATS, HOOKS, AND SPINNERS. Registered October 8, 1918. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio, a corporation of Ohio. Renewed October 8, 1938.

123,030. FISHING-TACKLE—NAMELY, REELS, POLES, LINES, SINKERS, FLOATS, HOOKS, AND SPINNERS. Registered October 8, 1918. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio, a corporation of Ohio. Renewed October 8, 1938.

123,031. FISHING-TACKLE—NAMELY, REELS, POLES, LINES, SINKERS, FLOATS, HOOKS, AND SPINNERS. Registered October 8, 1918. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio, a corporation of Ohio. Renewed October 8, 1938.

123,090. CERTAIN NAMED METALS. Registered October 15, 1918. H. BOKER & CO. INC., New York, N. Y., a corporation of New York. Renewed October 15, 1938.

123,106. MALLEABLE-IRON CASTINGS. Registered October 15, 1918. THE DAYTON MALLEABLE IRON CO., Dayton, Ohio, a corporation of Ohio. Renewed October 15, 1938.

123,151. AN ENAMEL PAINT. Registered October 15, 1918. O'BRIEN VARNISH COMPANY, South Bend, Ind., a corporation of Indiana. Renewed October 15, 1938.

123,172. TYPE-METAL ALLOYS. Registered October 15, 1918. SYRACUSE SMELTING WORKS, Brooklyn, N. Y., a corporation of New York. Renewed October 15, 1938.

123,236. LEATHER GLOVES. Registered October 22, 1918. THE DANIEL HAYS COMPANY, Gloversville, N. Y., a corporation of New York. Renewed October 22, 1938.

123,250. TIMEPIECE-GLASS. Registered October 22, 1918. KOJI KONISHI. Renewed October 22, 1938, to Kabushiki Kaisha Konishi Kotakudo Honten, Tokyo, Japan, a corporation of Japan, assignee.

123,260. VEGETABLE SHORTENING. Registered October 22, 1918. MORRIS & COMPANY. Renewed October 22, 1938, to Armour and Company of Delaware, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

123,293. MISSES' AND CHILDREN'S LEATHER AND CANVAS AND LEATHER SHOES. Registered October 22, 1918. A. W. TEDCASTLE & CO. Renewed October 22, 1938, to Kreider-Creveling Shoe Company, Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

123,346. DRIED BONELESS FISH. Registered October 29, 1918. GORTON-PEW FISHERIES CO. Renewed October 29, 1938, to The Gorton-Pew Fisheries Co. Ltd., Gloucester, Mass., a corporation of Massachusetts, assignee.

# LABELS

## REGISTERED MAY 31, 1938

51,229.—*Title:* KRISPY KORN KRUNCH. For Pop Corn. AMERICAN POP CORN COMPANY, Sioux City, Iowa. Published April 16, 1938.

51,230.—*Title:* BORDEN'S SWEETENED CHOCOLATE FLAVORED MALTED MILK. For Malted Milk. THE BORDEN COMPANY, New York, N. Y. Published March 1, 1938.

51,231.—*Title:* SURE SHOT ROACH KILLER. For Roach Powder. HERMAN M. BROWN, doing business as American Exterminator Company, Laurel, Md. Published April 29, 1938.

51,232.—*Title:* WEB. For Celery. W. E. Burquest, Sarasota, Fla. Published December 23, 1937.

51,233.—*Title:* BURKS. For Celery. W. E. BURQUEST, Sarasota, Fla. Published December 23, 1937.

51,234.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published April 12, 1938.

51,235.—*Title:* EXCLUSIVE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published May 23, 1936.

51,236.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published June 22, 1936.

51,237.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published October 27, 1937.

51,238.—*Title:* EXQUISITE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published July 2, 1938.

51,239.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published May 6, 1938.

51,240.—*Title:* ZEE IVORY WHITE TISSUE—TRY 1 ROLL FREE! WITH THE PURCHASE OF 3 . . . ALL 4 ROLLS FOR THE PRICE OF 3. For Toilet Tissue. COMFORT PAPER CORPORATION, San Francisco, Calif. Published March 19, 1938.

51,241.—*Title:* ZEE—IVORY WHITE TISSUE—SAVE FAMILY SIZE PACKAGE. For Toilet Tissue. COMFORT PAPER CORPORATION, San Francisco, Calif. Published February 24, 1938.

51,242.—*Title:* FOR EGGS ONLY. For Eggs. ALLAN L. DICKINSON, San Antonio, Tex. Published March 1, 1938.

51,243.—*Title:* GILBERT MICROSCOPE SET. For Microscope Sets. THE A. C. GILBERT COMPANY, New Haven, Conn. Published April 11, 1938.

51,244.—*Title:* CREAM O'GOLD BRAND BUTTER. For Butter. GOLDEN STATE COMPANY, LTD., Wilmington, Del., and San Francisco, Calif. Published January 2, 1938.

51,245.—*Title:* FINCHLEY. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 13, 1937.

51,246.—*Title:* VANITY MAID. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 16, 1937.

51,247.—*Title:* MARTIN'S SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 12, 1937.

51,248.—*Title:* HIGH-LIGHTS OF FASHION. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 16, 1937.

51,249.—*Title:* TOASTMASTER BREAD. For Bread. LEA BAKING CO., Fairbury, Nebr. Published November 10, 1937.

51,250.—*Title:* ZOBELEIN'S EASTSIDE BOCK BEER. For Bock Beer. LOS ANGELES BREWING CO., Los Angeles, Calif. Published March 14, 1938.

51,251.—*Title:* WHO'S LUCKY? For Beer. WILLIAM B. MILLIKEN, JR., Colorado Springs, Colo. Published February 10, 1938.

51,252.—*Title:* TWO STAR. For Fresh Oranges. MURPHY RANCH COMPANY, East Whittier, Calif. Published April 6, 1938.

51,253.—*Title:* CORN BUBBLES. For Cereal-Base Food Product. NEW FOODS, INC., Chicago, Ill. Published February 2, 1938.

51,254.—*Title:* MANIPULATION. For a Game. J. W. PETER ANDERSON, Brooklyn, N. Y. Published June 1, 1937.

51,255.—*Title:* QUICK CHARGE. For Storage Batteries. QUICK CHARGE BATTERY COMPANY, Oklahoma City, Okla. Published March 23, 1938.

51,256.—*Title:* EL PRADO CREAMERY BUTTER. For Butter. JOSE E. RIVERA, New York, N. Y. Published April 25, 1938.

51,257.—*Title:* RODEO. For Beer. SALINAS BREWING & ICE COMPANY, Salinas, Calif. Published April 6, 1938.

51,258.—*Title:* SILK'S FRESH POP'T. For Popped Popcorn. FRED J. SILK, doing business as Silk's Fresh-Pop't Popcorn Company, Los Angeles, Calif. Published September 7, 1937.

51,259.—*Title:* CHASE AND SANBORN. For Coffee. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 29, 1938.

51,260.—*Title:* SWINGBAL—THE GAME OF SKILL AND A QUICK EYE. For a Game. HENRY H. STRINGHAM, doing business as H. Stringham, New York, N. Y. Published February 1, 1938.

51,261.—*Title:* AUNT SUSAN. For Fresh Vegetables. G. L. WEBSTER CO. INC., Cheriton, Va. Published May 2, 1938.

# PRINTS

## REGISTERED MAY 31, 1938

16,853.—*Title:* CHILTON WING-FLOW. For Fountain Pens, Pencils and Fountain Pen and Pencil Sets. THE CHILTON PEN COMPANY, INC., Summit, N. J. Published April 4, 1938.

16,854.—*Title:* CHILTON PENS. For Fountain Pens, Pencils and Fountain Pen and Pencil Sets. THE CHILTON PEN COMPANY, INC., Summit, N. J. Published April 4, 1938.

16,855.—*Title:* UM! UM! HOME BAKED COOKIES IN THE HOUSE. For a Prepared Mixture for Making Cookies. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published April 22, 1938.

16,856.—*Title:* GOODBYE TO THIS! For a Prepared Mixture for Making Cookies. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published April 12, 1938.

16,857.—*Title:* A NEW FREEDOM FOR THE HOUSEWIFE. For a Prepared Mixture for Making Cookies. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published April 15, 1938.

16,858.—*Title:* MODIFIED OSTWALD VISCOMETERS. For Precision Instruments for Use in Determining the Bores of Viscometers. ORRO R. GREINER CO., Newark, N. J. Published April 27, 1938.

16,859.—*Title:* YOU GET MORE OUT OF HAMPDEN. For Ale and Beer. HAMPDEN BREWING COMPANY, Willimansett, Mass. Published April 18, 1938.

16,860.—*Title:* HAND PRINTED DRESSES OF LINOLIN COTTON TABLECLOTHS. For Dresses. S. L. HOFFMAN & CO., INC., New York, N. Y. Published May 2, 1938.

16,861.—*Title:* GET DOWN TO THE POINT. For Fountain Pens. HARRIS MCINTOSH, Toledo, Ohio. Published April 21, 1938.

16,862.—*Title:* SAVE WITH TRIPLE 'V' IN DRESS PRINT BAGS. For Poultry Feed. NUTRENA MILLS, Inc., Kansas City, Kans. Published March 15, 1938.

16,863.—*Title:* HE WROTE AMERICA'S BEST SELLER WITH AMERICA'S BEST-SELLING PEN. For Fountain Pens, Mechanical Pencils and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published April 30, 1938.

16,864.—*Title:* PERFECTION CEMETERY VASE. For Cemetery Vases. NATHAN SIEGEL, doing business as Perfection Cemetery Vase Co., Washington, D. C. Published February 8, 1938.

16,865.—*Title:* THE PERFECTION CEMETERY VASE. For Cemetery Vases. NATHAN SIEGEL, doing business as Perfection Cemetery Vase Co., Washington, D. C. Published February 8, 1938.

16,866.—*Title:* NEW BEAUTY FOR YOUR CEMETERY PLOT. For Cemetery Vases. NATHAN SIEGEL, doing business as Perfection Cemetery Vase Co., Washington, D. C. Published February 8, 1938.

16,867.—*Title:* 1938 HOROSCOPE. For Printed Horoscopes and Astrological Forecasts. THE USHERS, Pacific Palisades, Calif. Published September 14, 1937.

# REISSUES

## MAY 31, 1938

### 20,743
### PROCESS FOR PRODUCING PAINT SOLUTIONS FROM RUBBER

Edward Orland Coats, Warrensburg, Mo., assignor, by direct and mesne assignments, of one-half to Henry Bishop Stratton, five-twentieths to Cleo Rucker, and five-twentieths to Irene Coats, all of Warrensburg, Mo.

No Drawing. Original No. 2,039,277, dated August 10, 1937, Serial No. 75,495, April 20, 1936. Application for reissue December 6, 1937, Serial No. 178,410

1 Claim. (Cl. 134—17)

A process of forming a rubber paint composition consisting of comminuting vulcanized rubber scrap, treating the mass with carbon disulphide for a period of about one hour at a temperature of about 60 degrees F., treating the mass in a hot water bath until the rubber sinks at which time the rubber is free of sulphur and carbon disulphide, treating the rubber to a bath of which the proportions are sodium hydroxide 2 pounds, water 5 gallons, rubber ten pounds, for a time period of from two to four hours at a temperature of 100 degrees C. until scum stops forming on the surface of the solution after skimming at which time the mass is devoid of fillers and oxidising agents, washing and drying the rubber, dissolving the rubber in a solvent such as benzol, and filtering the product for use as a constituent of paint.

### 20,744
### LUBRICATING NOZZLE

Fred. Henry Ehnis, Lansdowne, Pa.

Original No. 2,053,219, dated October 20, 1936, Serial No. 62,430, February 5, 1936. Application for reissue February 5, 1938, Serial No. 188,867

16 Claims. (Cl. 221—47.4)



1. A nozzle comprising an orifice element in combination with a tube in adjustable relationship with said orifice element, a perforated cap adapted to engage with said orifice element, a delivery tube adapted to engage with said perforated cap, a perforated washer and a lock nut adapted to engage with said delivery tube.

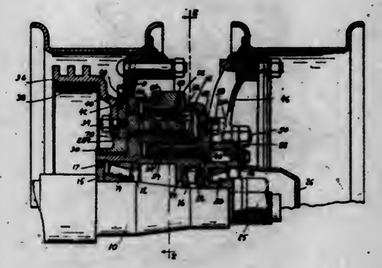
### 20,744
### BRAKE

James F. Higbee, Detroit, Mich., assignor of one-half to Stephen A. Griggs, Detroit, Mich.

Original No. 2,001,875, dated May 21, 1935, Serial No. 565,251, September 26, 1931. Application for reissue December 30, 1936, Serial No. 118,313

21 Claims. (Cl. 188—2)

1. A vehicle road wheel assembly comprising a pair of road wheels, a drum carried by each wheel, friction retarding mechanism operable to retard the rotation of one drum, and applying mechanism for said friction retarding mecha-



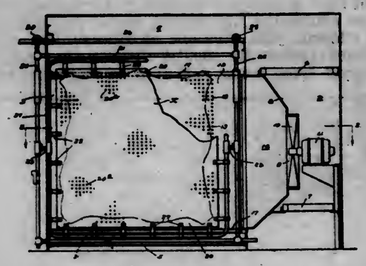
nism associated with the other drum and its wheel to be actuated thereby.

### 20,745
### PROCESS OF DRYING LEATHER AND SIMILARLY TAUTLY STRETCHED UNITS

Alpheus O. Hurxthal, Philadelphia, Pa., assignor to Procter & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania

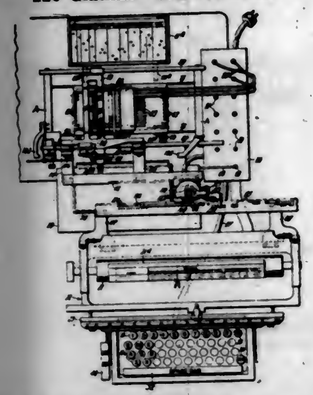
Original No. 2,109,425, dated February 22, 1938, Serial No. 61,392, January 29, 1936. Application for reissue March 25, 1938, Serial No. 198,169

1 Claim. (Cl. 34—24)



The method of drying wet tanned hides prior to seasoning or other finishing treatment which consists in stretching a hide in all directions outwardly from the central area thereof toward the marginal edges of the hide, securing the edges of the stretched hide to a suitable support to resist subsequent shrinkage of the hide, and impinging jets of drying air against the surface of the hide at relatively closely spaced points simultaneously over substantially the entire area of said surface to effect uniform drying of the hide at substantially all points over the entire area of said surface simultaneously.

20,746
**COMBINED TYPEWRITING AND CARD-PERFORATING MACHINE**
Alfred G. F. Kurowski, Brooklyn, N. Y., and Jesse A. B. Smith, Stamford, Conn., assignors to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Original No. 1,745,172, dated January 28, 1930, Serial No. 78,810, January 2, 1926. Application for reissue December 6, 1932, Serial No. 645,896
110 Claims. (Cl. 164—113)



1. In a combined typewriting and perforating machine, the combination with a movable typewriter-carriage having a rack, typewriter-keys, perforator-setting mechanism including a movable carriage having a rack, and connections whereby said typewriter-keys may be effective to actuate said perforator-setting mechanism, of coupling and uncoupling means, whereby said carriages are connected or disconnected, said coupling and uncoupling means consisting of two coaxially-mounted pinions, each one thereof engaging one of said racks, and each one thereof having clutch-elements, whereby said pinions are coupled or uncoupled, one of said pinions being slidable into and out of engagement with the other pinion by means of a spring and a lever, said lever being actuated to uncouple said pinions against the reaction of said spring by means of cam-surfaces embodied in or upon said typewriter-carriage or its aforesaid rack, said cam-surfaces becoming effective as said typewriter-carriage moves into and in predetermined zones with which said cam-surfaces are coextensive, and means actuated by said lever, whereby the aforesaid connections between the typewriter-keys and the perforator-mechanism are rendered effective or ineffective when said carriages are connected or disconnected.

20,747
**BEARING SEAL FOR MULLING MACHINES**
Herbert S. Simpson, Chicago, Ill.
Original No. 1,985,663, dated December 18, 1934, Serial No. 635,996, October 3, 1932. Application for reissue July 15, 1936, Serial No. 90,869
13 Claims. (Cl. 83—45)



3. In a muller having a vertical driving shaft, a vertical sleeve surrounding said shaft, upper bearings between said shaft and sleeve, including an inner raceway mounted on said shaft, and an outer raceway mounted on said sleeve, antifriction means located between said raceways, an adjustable seal cover for said bearings surrounding said shaft and adapted to impart movement to said inner raceway for adjusting the same, and means for adjusting said seal cover and said inner raceway lengthwise of said shaft, and a stationary seal cover mounted on said sleeve and having means for engaging and holding in position said outer raceway, said stationary seal cover and said adjustable seal cover each having cooperating means to form a seal for said bearings, and other bearings located between said shaft and said sleeve adjacent the lower end of said sleeve.

# PATENTS
## GRANTED MAY 31, 1938

2,118,801
**PROCESS OF FINISHING PRINTING PLATES**
William H. Bassett, Clifton, N. J.
Application August 13, 1937, Serial No. 158,948
1 Claim. (Cl. 101—401.3)



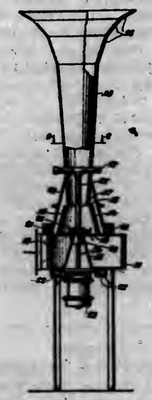
The process of finishing a duplicate relief printing plate having a plurality of lines of characters or the like on the printing face, and of the type made from a master mold; which comprises mounting said plate upon a true base and removing material from the printing face thereof to correspond to said base, the distance from the printing face to the back of the finished plate being equal at all points.

2,118,802
**METHOD OF CONSERVING PICKLING LIQUOR**
Hans Barkholt, Berlin-Halensee, Germany, assignor to Zahn & Co., G. m. b. H., Berlin, Germany
No Drawing. Application January 30, 1936, Serial No. 61,547
5 Claims. (Cl. 148—8)

1. The method of performing successive pickling operations on iron and steel articles in a bath and conserving sulfuric acid pickling liquor used therein, which comprises employing the bath initially while at a relatively low temperature, maintaining the strength of the liquor by frequent additions of sulfuric acid during the pickling operations, using the pickling liquor until the content of ferrous sulfate has risen to 30 to 45%, meanwhile gradually increasing the temperature of the bath as the ferrous sulfate content increases whereby the time required for each pickling operation is substantially constant, removing the liquor from the pickling vat, chilling to precipitate ferrous sulfate, separating the precipitated ferrous sulfate crystals from the pickling liquor and returning the purified pickling liquor to the vat.

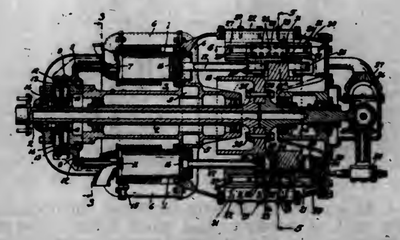
2,118,803
**CONCENTRATOR**
William Spencer Bowen, Westfield, N. J.
Application January 25, 1937, Serial No. 122,184
10 Claims. (Cl. 159—4)

10. Concentrating mechanism comprising a Venturi separating mechanism through which a unidirectional progression of fluid takes place, said mechanism having an entrance and a throat portion, means at the throat portion to effect a separating action, means to direct a concentrating medium having a whirling motion into the separating mechanism, and means to direct a substance to be concentrated into the path of the



concentrating medium at a zone adjacent the said entrance.

2,118,804
**INTERNAL COMBUSTION ENGINE**
Gunnar E. Andersen, Copenhagen, Denmark
Application October 24, 1932, Serial No. 639,177
Renewed August 19, 1937
3 Claims. (Cl. 123—58)



3. An internal combustion engine comprising a series of cylinders, pistons in said cylinders, piston rods connected with said pistons, an engine shaft, a cam device on the engine shaft having a plurality of inclined cam sections, each connecting rod having an off-set portion which extends laterally from the connecting rod and around the cam device, the connecting rod engaging the cam device on opposite sides at points in alignment with the connecting rods and applying power to the engine shaft, guides beyond the periphery of said cam device for said connecting rods which confine their movement to a rectilinear movement during the entire stroke of the pistons, said guides comprising plates on opposite

sides of the connecting rod, balls in said plates, fixed parts on opposite sides of said connecting rods which are engaged by said balls.

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2,118,805

**PROCESS OF REFINING WHITE OILS**

Manuel Blumer and Leo Salzmann, Butler, Pa., assignors to L. Sonneborn Sons, Inc., a corporation of Delaware

No Drawing. Application April 6, 1935, Serial No. 15,093
2 Claims. (Cl. 196—40)

1. Process of preparing a medicinal white oil which comprises mixing a viscous mineral oil with 3 to 20% by volume of fuming sulphuric acid under sulphonating conditions adapted to form a sludge, and a remainder of hydrocarbon oil containing mahogany sulphonic acids and green sulphonic acids, separating said hydrocarbon oil from said sludge, thereafter without prior neutralization heating said hydrocarbon oil at from 290° F. to just below the decomposition point of said oil for a period of time sufficient to effect decomposition of said mahogany sulphonic acids and green sulphonic acids and precipitation of the carbonaceous material formed as a result of said decomposition, removing said carbonaceous material, and recovering a white oil of high stability.

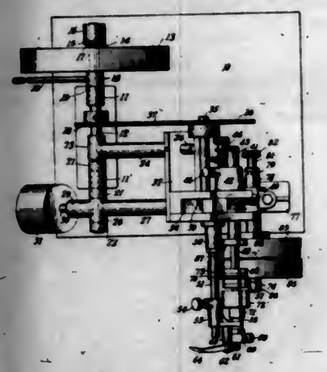
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2,118,806

**AUTOMATIC CONTOUR SHAPING FIXTURE**

Benjamin D. Brown, New York, N. Y.

Application November 29, 1929, Serial No. 410,408
6 Claims. (Cl. 51—101)



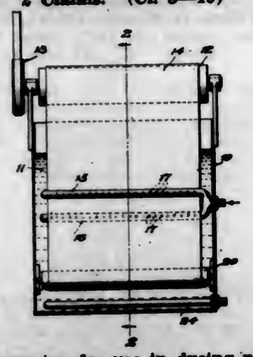
3. In a contour shaping machine, the combination with a pattern, and work holder operable therewith, of a shaper and a gauge in axial alinement, a carriage for supporting, and moving in a fixed path said pattern and said work holder toward and from said shaper and said gauge, means for rotating said work holder and said pattern, said gauge having a working surface of varying concentric diameters against which the said pattern may ride, said working surface being concentric with the shaping surface of said shaper, means to micrometrically longitudinally adjust said gauge and said pattern relative to each other whereby the peripheral contour of said pattern is accurately reproduced in direct proportion on a piece of work, which may be held by the work holder and shaped by the shaper, at all points of said relative adjustment, and means for lockingly maintaining said adjustment.

2,118,807

**DYEING APPARATUS**

Dick Carter, Austin Godwin Cuthbert-Smith, Harry Jackson, Leslie Paige Rendell, and Harry Augustus Thomas, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

Application February 6, 1936, Serial No. 62,678
In Belgium May 7, 1935
2 Claims. (Cl. 8—19)



1. In apparatus for use in dyeing piece goods and having a tank adapted to hold a body of dye liquor and means for continuously feeding fabric through the dye liquor and means for maintaining temperature control of the dye liquor, means for continuously bombarding the fabric with dye liquor comprising at least one pair of pipes mounted in the tank in staggered arrangement relative to the line of feed of the fabric and on opposite sides of the fabric, the pipes being spaced from the fabric at a distance of not more than about six inches, and having perforations therein on the sides facing the fabric and adapted for injection of air or steam under pressure into the dye liquor so as to set up a turbulence of the dye liquor and a difference of dye liquor pressure on either side of the fabric and means for supplying the pipes with air or steam under pressure.

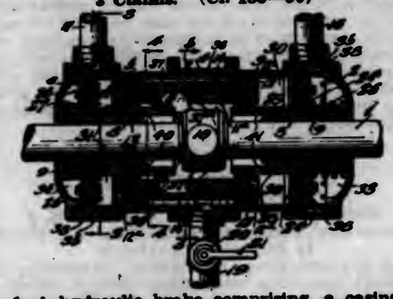
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2,118,808

**HYDRAULIC BRAKE**

Elbert A. Corbin, Jr., Merton, Pa., assignor of one-half to William C. Biddle, Lansdowne, Pa.

Application October 3, 1936, Serial No. 103,845
3 Claims. (Cl. 188—90)



1. A hydraulic brake comprising, a casing, a shaft extending therethrough and rotatable independently of said casing, a head sliding within said casing and having an eccentric groove therein, a pin on said shaft engaging said groove



whereby said sliding head is reciprocated by the rotation of said shaft, oppositely disposed pistons carried by said sliding head, slidable compression members near the opposite ends of said casing in juxtaposition to said pistons, means for normally urging said compression members towards said pistons, outlets leading from chambers to one side of said pistons to a common inlet conduit communicating with chambers to the other side of said pistons, a valve for said inlet conduit and means for actuating said valve.

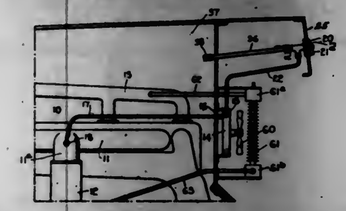
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2,118,809

**CONTROL MEANS FOR AIR ACTUATED MOTORS**

Edward S. Cornell, Jr., Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey

Application March 25, 1933, Serial No. 663,722
3 Claims. (Cl. 60—60)



1. In combination with an automotive vehicle having an internal combustion engine provided with a carburetor and an intake manifold leading from the carburetor to the combustion chamber or chambers of the internal combustion engine, of a variable speed air motor provided with intake and outlet ports, tubing connecting the out-take of said air motor with said intake manifold of the internal combustion engine, and valve means associated with said air motor for regulating the speed of said air motor, said valve means including means for effecting flow of air through said valve means into said intake manifold at all stages of operation of said air motor including the stage of full operation of the air motor and means for limiting the movement of the movable element of said valve means at the stage of non-operation of said air motor to afford flow of air through said tubing.

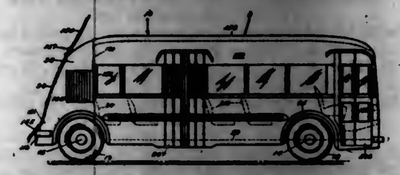
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2,118,810

**MOTOR VEHICLE AND VEHICLE DRIVING MECHANISM**

William B. Fageol, Kent, Ohio, assignor to Twin Coach Company, Kent, Ohio, a corporation of Ohio

Application April 6, 1935, Serial No. 15,965
5 Claims. (Cl. 180—54)



1. A motor vehicle comprising a body having a passenger seating space with floor level substantially in the plane of the wheel axes, front and rear road wheels supporting said body, a power plant disposed transversely within the body directly over the space between said rear road wheels and adapted to be drivingly connected therewith, a partition in said body substantially vertically extensive above the front extremities of said rear wheels for separating said passenger seating space from the portion of said body housing said power plant, driving means behind said partition and connected between said power plant and said rear wheels, said driving means being disposed substantially in the vertical plane of the wheel axes, and the rear end of the body being disposed closely adjacent the power plant and the rear extremities of the rear wheels, whereby said body comprises a power plant compartment located wholly directly over the rear wheels and a passenger compartment disposed entirely forwardly of the rear wheels.

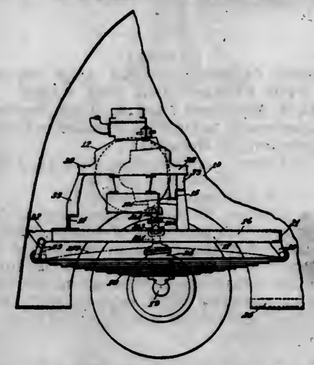
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2,118,811

**DRIVING MECHANISM**

William B. Fageol, Kent, Ohio, assignor to Twin Coach Company, Kent, Ohio, a corporation of Delaware

Application April 9, 1935, Serial No. 15,488
8 Claims. (Cl. 180—54)



1. In a motor vehicle, an axle, road wheels supporting said axle, springs resiliently supporting an end of said vehicle on said axle, said axle comprising drive means serving to drive the vehicle through said road wheels, an elongated assembly of engine and transmission transversely arranged with its axis directly above said axle, and an extensible drive shaft extending substantially vertically between said engine and transmission assembly and said axle to impart power thereto for driving said vehicle.

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2,118,812

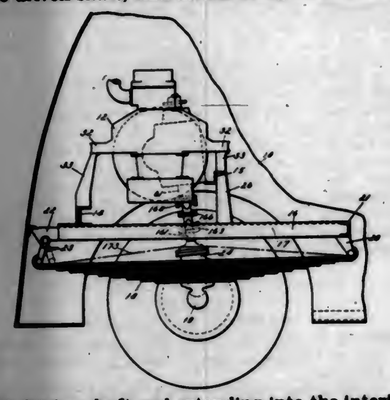
**DRIVING MECHANISM**

William B. Fageol, Kent, Ohio, assignor to Twin Coach Company, Kent, Ohio, a corporation of Delaware

Original application April 9, 1935, Serial No. 15,488. Divided and this application April 22, 1936, Serial No. 75,819
16 Claims. (Cl. 180—70)

1. In a power transmitting device for a motor vehicle, a hollow driving shaft, bearing means for said shaft, drive means for said hollow shaft, a hollow driven shaft nested in said hollow shaft and capable of axial movement therein, the nested relationship of said shafts affording transmission of side thrusts imposed on said driven shaft to said bearings through said hollow driving shaft, and means for imparting driving power

from said hollow shaft to said relatively movable driven shaft, said means being connected to



said driving shaft and extending into the interior of said driven shaft.

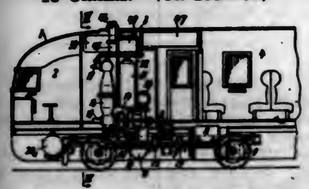
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2,118,813
**MOLDING COMPOSITIONS AND PROCESS FOR PRODUCING THE SAME**
Frederick E. Frey and Paul A. Bury, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application July 23, 1935, Serial No. 32,520
3 Claims. (Cl. 106—22)

1. In a process for the production of heteropolymeric reaction products of sulfur dioxide and olefins, in which the reaction is carried out in the presence of a suitable catalyst, the improvement which comprises impregnating an inert fibrous filler material with said catalyst and incorporating the catalyst impregnated filler in the reaction mixture.

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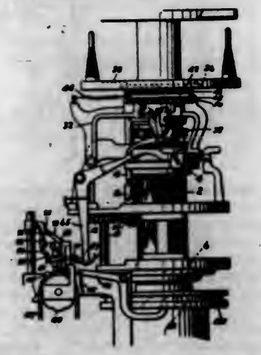
2,118,814
**COMBUSTION ENGINE POWER PLANT FOR DRIVING VEHICLES**
Hans Holzwarth, Duesseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a corporation of Delaware
Application December 24, 1934, Serial No. 759,003
In Germany December 27, 1933
13 Claims. (Cl. 105—62)



1. A combustion gas power plant for vehicles, such as self-propelled railway cars, comprising two elongated constant volume explosion chambers mounted upon opposite sides of the central longitudinal axis of the vehicle, an explosion turbine and a continuous current turbine driven by the explosion gases, auxiliary apparatus associated with the chambers and with the turbines and including a vaporizer for producing steam with the waste heat of the plant, said vaporizer being likewise of elongate form, said explosion chambers and said vaporizer being positioned upright upon the vehicle with their axes approximately parallel to each other and symmetrically with respect to the central longitudinal axis of the vehicle, said arrangement including an equalising chamber receiving the puffs of gases exhausting under pressure from the explosion turbine and charging such gases into the constant current turbine, said equalizing chamber being positioned within the vaporizer in such manner that the heat radiated thereby is taken up by the water in the vaporizer.

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2,118,815
**KNITTING MACHINE**
Harold E. Houseman, Laconia, N. H., assignor to Standard-Trump Bros. Machine Company, Wilmington, Del., a corporation of Delaware
Application January 24, 1933, Serial No. 653,229
Renewed November 12, 1935
19 Claims. (Cl. 66—135)

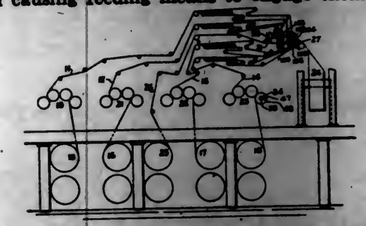


19. A knitting machine including a rotating needle cylinder, needles carried by the cylinder, wrap fingers arranged to feed wrap yarns to individual needles, a carrier for the fingers rotating with the needle cylinder, means for moving the wrap fingers between the needles, connections between the carrier and cylinder whereby when no shogging is taking place they are constrained to rotate with the same angular velocity, said connections having no rotary movements with the cylinder about its axis, and means acting upon said connections for shogging the carrier relatively to the needle cylinder both forwardly and backwardly in steps corresponding to the angular spacing of adjacent needles.

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2,118,816
**WEB ASSOCIATING MECHANISM FOR PRINTING MACHINES**
Frederick Lamatsch, Grantwood, N. J., and Albert J. Herton, White Plains, N. Y., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application December 31, 1935, Serial No. 56,858
16 Claims. (Cl. 270—17)

1. The method of forming a folded product having, as an inset, portions of a pre-printed web associated with the webs being led from a printing machine, which includes leading the pre-printed web to a point adjacent to and between the webs from the machine, registering the printed impressions on the pre-printed web with corresponding printed impressions on the other webs, then cutting the pre-printed web into sheets and causing feeding means to engage them one



at a time as cut, to urge each sheet into association with the other webs, and then folding the associated webs and sheet.

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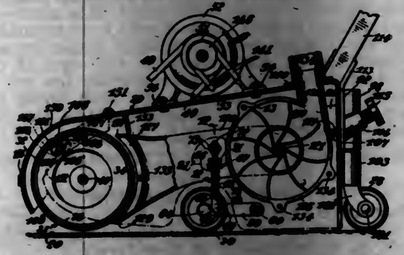
2,118,817
**APPARATUS FOR AND METHOD OF INSERTING WASHERS IN RUBBER HEELS**
Laurits A. Laursen, Copley, Ohio
Application December 31, 1934, Serial No. 760,015
6 Claims. (Cl. 12—42)



1. The process of making rubber heels, which consists in vulcanizing a heel structure with nail receiving openings therein having washer receiving cavities surrounding the nail receiving openings and of much larger diameter than the latter, arranging the nail receiving openings and cavities in such relation that portions of the nail receiving openings form entrances to the cavities, disposing washers at the outer ends of the nail receiving openings adjacent to the wear surface of the heel, and subjecting these said washers to pressure to force them through the outer portions of the nail receiving openings until the washers enter the cavities surrounding said openings and are substantially covered by the rubber substance of the heel when so disposed in their cavities.

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2,118,818
**FLOOR SANDER**
Nathaniel N. Okun, New York, N. Y., assignor to Atlas Floor Surfacing Machinery Corp., New York, N. Y., a corporation of New York
Application February 13, 1933, Serial No. 656,392
14 Claims. (Cl. 51—176)



1. In a floor surfacing machine, the combination of, a frame having a rotatable drum normally disposed above a surface to be conditioned, guide wheels continuously in rolling contact with said surface and swingably connected to intermediate parts of the sides of said frame, spring means for holding said guide wheels in contact with said surface, a rear trailing wheel continuously in rolling contact with said surface and a connection controlled from separate sources for controlling the elevation of the rear portion of said frame relative to said trailing wheel for bodily tilting said frame about said guide wheels to move said drum towards or away from said surface.

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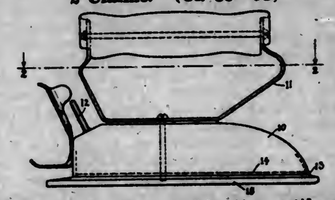
2,118,819
**NONREFILLABLE CLOSURE FOR BOTTLES**
Elwyn T. Orcutt, East Orange, N. J., assignor of one-half to Harptone Manufacturing Corporation, Newark, N. J., a corporation of New York
Application May 15, 1937, Serial No. 142,811
4 Claims. (Cl. 215—23)



1. In a non-refillable closure for a bottle, a hollow open float member adapted to have sliding movement, and spaced means for restricting the sliding movement of said member, said member being provided with a circumferential flange to guide it in its movement and being further provided with an aperture.

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2,118,820
**IRON**
Robert B. Paysee, Oak Park, Ill.
Application August 17, 1936, Serial No. 96,337
2 Claims. (Cl. 38—93)



1. In an iron, the combination with a shell, having a pointed toe and a wide heel, the sides of said shell converging from the heel toward said toe, of a sole member affixed to said shell, and flanges on said sole member projecting outwardly from said member beyond the sides of the shell, said flanges having their greatest width adjoining the heel of the shell and gradually diminishing in width from the heel of the shell toward the toe thereof.

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2,118,821
**COMBINED MERCHANDISING CONTAINER AND TOY**
William A. Ringler, Wayne, Pa.
Application July 6, 1935, Serial No. 30,070
9 Claims. (Cl. 46—11)

1. A toy boat formed from a single blank of waterproofed paperboard material including a

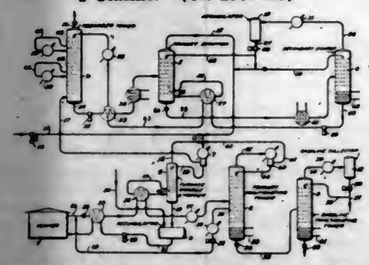
bottom wall, side walls, inclined end walls, bellows folds connecting said side and end walls presenting a substantially leak-proof body, and an



end flap extending inwardly from one of said end walls providing a raised deck at one end of the boat.

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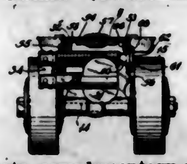
**2,118,822**
**CONVERSION OF HYDROCARBONS**
George W. Robinson, Houston, Tex., and George Roberts, Jr., Montclair, N. J., assignors to The Polymerization Process Corporation, Jersey City, N. J., a corporation of Delaware
Application June 15, 1937, Serial No. 148,276
4 Claims. (Cl. 196—10)



1. The method of converting normally gaseous hydrocarbons to normally liquid hydrocarbons which comprises introducing a gaseous stream of normally gaseous hydrocarbons under pressure into a cooling and condensing zone whereby a liquid fraction predominating in the relatively high-boiling normally gaseous hydrocarbons such as $C_3$ and $C_4$ hydrocarbons is obtained, passing said liquid fraction to a separatory zone, heating said liquid fraction in said separatory zone to strip therefrom relatively low-boiling normally gaseous hydrocarbons undesired for conversion treatment, withdrawing said stripped liquid fraction from said separatory zone, subjecting said withdrawn liquid fraction to elevated conditions of temperature and pressure to effect conversion of at least a portion thereof to normally liquid hydrocarbons, introducing the products of said conversion into a fractionating zone, maintaining said fractionating zone under conditions of temperature and pressure to separate therein normally gaseous constituents from normally liquid constituents including gasoline constituents, passing gases separated in said fractionating zone to said cooling and condensing zone, passing gases separated in said separatory zone to said cooling and condensing zone, withdrawing uncondensed gases and vapors from said cooling and condensing zone, passing said uncondensed gases and vapors through a scrubbing zone, introducing a liquid absorbent medium into said scrubbing zone and into intimate contact with said gases and vapors passing therethrough whereby convertible constituents such as the relatively high-boiling normally gaseous hydrocarbons are dissolved in said liquid absorbent medium, withdrawing enriched liquid absorbent medium from said scrubbing zone, stripping and recovering normally gaseous hydrocarbons from said removed enriched liquid absorbent medium, and introducing said recovered normally gaseous hydrocarbons into said cooling and condensing zone.

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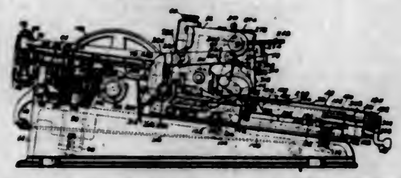
**2,118,823**
**SKATE**
Samuel Segal, Brooklyn, N. Y.
Application November 20, 1934, Serial No. 753,944
24 Claims. (Cl. 280—11.32)



24. In a skate, complementary outer and inner channeled shoe supporting sections having respectively outer and inner depending flanges for guiding relative longitudinal displacement of said sections, detent means carried by one of said outer flanges, teeth carried by a corresponding flange of said inner section for interlocking with said detent means to prevent relative longitudinal displacement of said sections, rotatable means carried by said outer flanges to move the latter in clamping relation with said inner flanges, a key swingable relative to said rotatable means, a link pivoted to the latter and said key, and means for holding said key out of alinement with said link and rotatable means or said link out of alinement with said rotatable means and said key.

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**2,118,824**
**MACHINE FOR SPLITTING SOLES**
Thomas H. Seely, Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 4, 1935, Serial No. 9,247
Renewed July 13, 1937
41 Claims. (Cl. 12—17)



1. In a splitting machine, a knife, a support for a sole, mechanism for yieldingly supporting the sole support, a presser member, and means for effecting relative movement of the knife and the presser member on the one hand and the sole support on the other hand in a predetermined path to split the sole, said mechanism being constructed and arranged to cause the sole support to be simultaneously and equally depressed throughout its extent while the sole is being split at an angle to said path under the action of said presser member against the sole mounted upon said support.

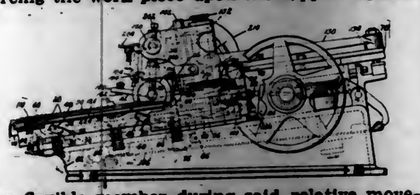
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**2,118,825**
**SPLITTING MACHINE**
Thomas H. Seely, Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 25, 1937, Serial No. 150,344
24 Claims. (Cl. 12—17)

1. A splitting machine having, in combination, a support for a work piece, a flexible member,



a cutter, means for effecting relative movement of the support on the one hand and the flexible member and the cutter on the other hand to split a flap from said work piece, means for forcing the work piece upon the support against

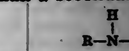


the flexible member during said relative movement, and means for controlling the shape of the flexible member during said relative movement in accordance with the desired shape of the flap to be split from the work piece.

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**2,118,826**
**METHOD OF MAKING QUINONE DI-IMIDES**
Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 27, 1936, Serial No. 107,902
7 Claims. (Cl. 260—56)

1. The method of making quinone di-imides which comprises oxidizing in the air in the presence of alkali a secondary aromatic amine of the

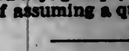


formula, where R is a radical selected from the class consisting of hydrocarbon aryl and alkoxyaryl groups, and A is an arylene group capable of assuming a quinoid structure.

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**2,118,827**
**METHOD OF MAKING QUINONE DI-IMIDES**
Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 13, 1937, Serial No. 168,752
12 Claims. (Cl. 260—56)

1. The method of making quinone di-imides which comprises oxidizing in the air, in the presence of an alkali and a compound selected from the class consisting of oxides and salts of heavy metals, a secondary aromatic amine of the



formula, where R is a radical selected from the class consisting of aryl, alkoxyaryl, and halogen-substituted aryl groups, and A is an arylene group capable of assuming a quinoid structure.

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**2,118,828**
**MANIFOLDING PACKET**
John Q. Sherman, Dayton, Ohio
Application March 28, 1934, Serial No. 716,807
7 Claims. (Cl. 283—12)

1. A manifolding packet including multiple superposed record strips collectively folded at spaced intervals into zigzag formation, and relatively short lengths of transfer material interleaved between the record strips in overlapping relation with two succeeding portions of the strips, said lengths of transfer material being reversely folded into conformity with a fold of the record strips intermediate the overlapped portions, and transverse supporting strips to which one end of each of the transfer sheets is attached, the ends of which supporting strips



project laterally beyond the side margins of the record strips for engagement with means for stationarily anchoring the transfer material while leaving the strips free for independent longitudinal movement.

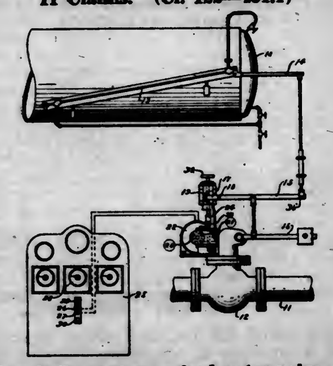
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**2,118,829**
**PREPARATION OF COBALT-COPPER CATALYSTS**
Henry H. Storch, Pittsburgh, Pa., assignor to Government of the United States, as represented by the Secretary of the Interior
No Drawing. Application March 31, 1937, Serial No. 134,091
5 Claims. (Cl. 23—234)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method for the preparation of cobalt-copper catalysts which comprises heating up mixtures of cobalt carbonate and copper oxide, at a rapid rate, that is, about 350° C. per minute to a temperature between 900° and 1100° C.

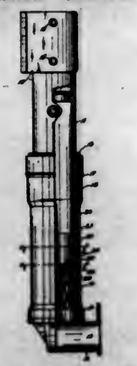
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**2,118,830**
**BOILER SYSTEM**
Vincent V. Veenschoten, Erie, Pa., assignor to Northern Equipment Company, Erie, Pa., a corporation of Pennsylvania
Application August 4, 1936, Serial No. 94,294
11 Claims. (Cl. 122—451.1)



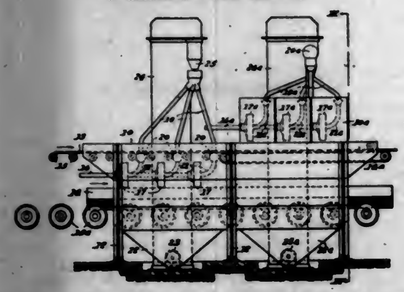
1. In a boiler system, a feed water valve, means responsive to the water level elevation in the boiler for operating the valve, said means comprising a lever, means for varying the position of the lever fulcrum, an electric motor operatively connected with the later means, and manual means for operating the motor.

2,118,831
**SHOCK ABSORBER CONSTRUCTION**
John F. Wallace, Shaker Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application October 24, 1935, Serial No. 46,549
Renewed June 3, 1937
13 Claims. (Cl. 267—64)



1. In a device of the character described, a duality of cylinder elements one slidable within the other, means carried by each of said elements capable of interengagement with each other for preventing relative rotation between said elements, one of said means being integrally secured to one of said elements and the other of said means detachably secured to the other of said elements, and left and right hand screw threaded connections between said last means and last element for preventing relative movement therebetween during the interengagement aforesaid.

2,118,832
**TREATING METAL SURFACE**
Raymond J. Wean and Louis D. Pelk, Warren, Ohio, assignors, by mesne assignments, to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application June 1, 1934, Serial No. 728,483
Renewed January 27, 1937
7 Claims. (Cl. 51—9)



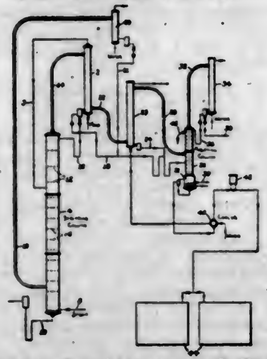
6. Apparatus for treating metal billets comprising a plurality of conveyors adapted to convey metal billets along predetermined, substantially parallel paths, a centrifugal abrasive throwing wheel mounted adjacent said conveyors and having means associated therewith for controlling the direction of flight of the abrasive, whereby it impinges simultaneously against billets on both of said conveyors.

2,118,833
**LIGHTING FIXTURE**
George Arras, Chicago, Ill.
Application December 15, 1936, Serial No. 116,531
8 Claims. (Cl. 240—143)



1. In a lighting fixture, a support, a shade holder having a flange extending into the support, a lamp socket inserted in the support, a clamping plate within the support having an outer projection to engage the flange of the shade holder, and fastening means inserted through the support and the clamping plate for binding the shade holder in place, the inner end of the fastening means also engaging the socket for confining it within the holder.

2,118,834
**METHOD FOR DISTILLING LIQUORS**
Benjamin C. Boeckeler, New York, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application June 22, 1934, Serial No. 731,857
2 Claims. (Cl. 202—39)



1. A method of making an alcoholic beverage high in alcoholic content from a fermented material low in alcoholic content, which comprises the steps of continuously feeding said fermented material to a stripping column, rectifying the alcoholic vapors, withdrawing the high boiling flavoring constituents from a low point in the stripping column substantially below the point of feed, removing a part of the rectified vapors and subjecting them to a second rectification to form a vapor high in aldehyde content and a condensate low in aldehyde content, condensing the high boiling flavoring constituents and mixing the said high boiling flavoring constituent condensate with the condensate of the first and second rectification steps, introducing said last mentioned condensate and the high aldehyde content vapors to said purifying column, rectifying said vapors and condensate and removing the aldehydes as a heads product and the desired beverage as condensate.

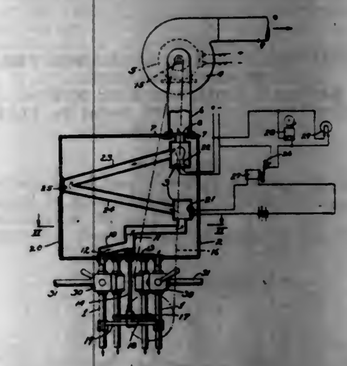


2,118,835
**TOE TAP**
Salvatore Capezio, East Paterson, N. J.
Application April 15, 1935, Serial No. 16,597
10 Claims. (Cl. 36—8.3)



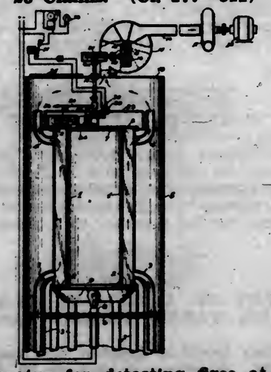
2. A toe tap comprising a front wall and a short bottom extension, said bottom extension being so dimensioned as to only slightly overlap the forward end of the short outsole of a conventional toe dancing shoe, and means to secure the tap to a toe dancing shoe, said means including a hole passing through the front wall of the tap and so located that a screw passed therethrough enters the heavy solid lower filled or thickened part beneath the toe cavity of a conventional toe dancing shoe and escapes the toe cavity, and one or more additional holes passing through the aforesaid bottom extension.

2,118,836
**APPARATUS FOR DETECTING FIRES IN HOLDS, ETC.**
Harold Herbert Carter, London, England, assignor, by mesne assignments, to American-La France-Foamite Corporation, a corporation of New York
Application May 5, 1931, Serial No. 535,116
In Great Britain June 12, 1930
16 Claims. (Cl. 177—311)



14. Apparatus for detecting fires at different localities comprising a series of pipes corresponding to the several localities, a hollow smoke detector, means for producing and maintaining atmospheric stream flows through said pipes and for producing stream flow through said smoke detector, means permitting visual inspection of said stream flows, and means for diverting said stream flows one at a time to said smoke detector, all the stream flows thus being simultaneously and continuously subject to inspection.

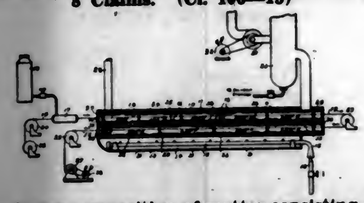
2,118,837
**APPARATUS FOR DETECTING FIRES**
Donald Ashby Felton, London, England, assignor, by mesne assignments, to American-La France-Foamite Corporation, a corporation of New York
Application July 26, 1932, Serial No. 624,810. Renewed July 8, 1937. In Great Britain September 16, 1931
25 Claims. (Cl. 177—311)



1. Apparatus for detecting fires at different localities comprising a plurality of pipes leading respectively from such different localities and organized into a group, means for continuously and simultaneously passing streams of atmosphere from the several localities through the respective pipes, and maintaining them in established several normal courses in which also they are tested, a light responsive stream-analyzing and signalling system comprising a light source for illuminating the stream flows while undiverted from their said normal courses and a light responsive member and means for bringing said system into light responsive and stream flow analyzing relation with each stream flow in its established normal course and in turn.

16. Apparatus for detecting fires in compartments comprising an external casing, cross partitions therein, one of which divides off from one end of the casing, a sub-atmospheric chamber, a fixed group of parallel pipes located in the casing between said partitions, said pipes being arranged in a circle and spaced at equal angles about its center and registering with openings in the partition walling off the sub-atmospheric chamber, means for connecting each pipe adjacent one end to a compartment and adjacent the other to the sub-atmospheric pressure chamber to maintain simultaneously a flow through said pipes of the respective atmosphere of said compartments, the ends of said pipes being closed with transparent or translucent material, a dark chamber formed within the sub-atmospheric pressure chamber at the side of the said cross partition and facing the same and the adjacent ends of said pipes, a shaft coaxial with the circular set of pipes, a hooded smoke detector member within said park chamber carried by said shaft at the same radial distance from its axis as that of the pipes, signalling means operatively connected electrically to said smoke detector member, means to rotate said shaft to cause the smoke detector member to move successively into line with the adjacent ends of said pipes in turn, and a light source for passing light through each of said pipes from its other end lengthwise of the pipe on to the smoke detector member in line with said pipe.

2,118,838
**COMPOSITION FOR INSULATING WIRE**
Edward H. Converse, Peaghkeepsie, N. Y., assignor to James K. Delano, village of Rye, N. Y.
Original application January 3, 1933, Serial No. 649,740. Divided and this application February 12, 1935, Serial No. 6,147
8 Claims. (Cl. 106—15)



1. A new composition of matter consisting substantially entirely of cellulose ester and furfural residue resin heated together to a thermoplastic state.

2,118,839
**TREATMENT OF ARTIFICIAL FILAMENTS, THREADS, YARNS, FABRICS, AND THE LIKE**
Henry Dreyfus, London, England
No Drawing. Application January 30, 1935, Serial No. 4,884. In Great Britain February 28, 1934
9 Claims. (Cl. 28—1)

1. Process for improving the handle of textile materials comprising cellulose derivative yarns which have been subjected to a crepe twisting operation in the presence of steam or hot water, which comprises treating the materials with a swelling agent for the cellulose derivative for a very short period, and removing the agent from the materials after it has penetrated the outer layers only of the filaments contained in the yarns.

2,118,840
**PRODUCTION OF TEXTILE THREADS AND FABRICS**
Henry Dreyfus, London, England
No Drawing. Application May 22, 1936, Serial No. 81,264. In Great Britain June 8, 1935
6 Claims. (Cl. 117—2)

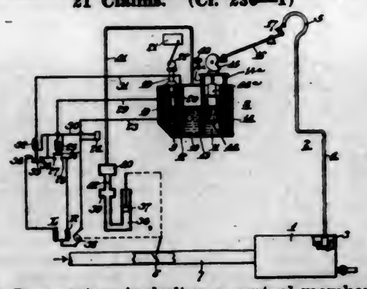
1. Process for the production of a highly twisted crêpe thread of cellulose acetate filaments, which comprises subjecting a cellulose acetate thread, having substantially no crêping power but a twist of at least 70% of that required to impart crêping power to the action of a shrinking agent so as to shrink the filaments of the thread to such a degree that crêping power is imparted to the thread.

2,118,841
**FLEXIBLE END GRAIN WOOD FLOOR COVERING**
Armin Elmendorf, Chicago, Ill.
Application September 7, 1935, Serial No. 39,603
6 Claims. (Cl. 20—75)



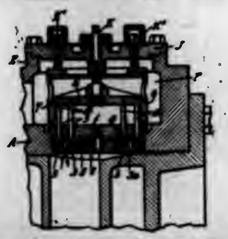
1. A preformed floor covering comprising numerous small blocks of wood having end grain in their upper faces grouped in close relation to each other over a large area and arranged in rows placed side by side, there being grooves in the under faces of the blocks along the long edges of the rows, and flexible ties and elastic adhesive material in said grooves bonding the blocks together.

2,118,842
**CONTROL SYSTEM**
John J. Grebe, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application April 30, 1935, Serial No. 19,124
21 Claims. (Cl. 236—1)



5. In a system including a control member for varying application of an agent affecting the magnitude of a condition, the method of operation which comprises upon departure of the condition from normal, intermittently moving the member by increments whose magnitude is initially a function of the extent of the departure, producing a control effect whose magnitude is a function of the rate of adjustment of said member, and after a time less than the time lag of said system, modifying the magnitudes of the incremental adjustments of said member in accordance with the magnitude of said control effect.

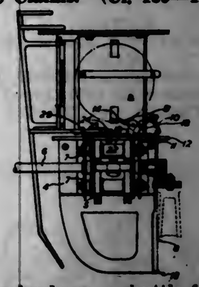
2,118,843
**GAS COMPRESSOR AND CLEARANCE VARYING MEANS THEREFOR**
Herbert C. Guild, New York, N. Y.
Application December 16, 1936, Serial No. 116,143
8 Claims. (Cl. 230—21)



3. A gas compressor having a cylinder clearance space supplied with gas from the source through at least two independent passages each controlled by a separate inlet check valve element; at least one of said valve elements being maintained continuously operative for intake supply of gas to said space; and, in combination with said parts, means for holding open at least one other of said valve elements to permit alternating flow to and from the clearance space through the thus opened passage; and means for forming a gas-tight chamber, completely cutting off supply of gas from the source and affording an added volume gas-tight space confining said alternating flow of gas, thereby affording additional clearance space for the compressor.

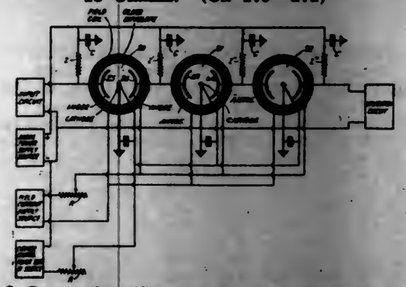


2,118,844
**CIRCULAR LOOM**
Frank Corbyn Hale and James Russell Yorke, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application November 12, 1936, Serial No. 110,428
In Great Britain December 23, 1935
6 Claims. (Cl. 139—13)



1. In a circular loom, a shuttle for laying weft thread at the fell of the fabric, thread tensioning means disposed in the path of the thread at a point between the supply and the fell of the fabric and adapted to impart tension to that length of the thread which extends from the tensioning means to the fell of the fabric, a movable detector member carried by the shuttle and adapted to be restrained from movement by the tensioned length of thread and to be freed for movement on breakage of such thread, the tension imparted to the thread by the tensioning means restraining the detector member irrespective of the state of the tension in the thread extending from the supply to the tensioning means, and movable means controlled by the detector member and adapted on freeing of the detector member to be propelled through a warp sheet to bring about the operation of means disposed at the other side of the warp sheet for bringing weaving to an end.

2,118,845
**AMPLIFIER**
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 22, 1933, Serial No. 686,338
18 Claims. (Cl. 179—171)



2. In combination, an electron discharge device including a cathode, a control and a controlled electrode, both said control and controlled electrodes extending along an appreciable portion of the effective length of said cathode, means for maintaining both control and controlled electrodes at positive potentials relative to said cathode, an input circuit coupled to said control electrode and cathode and an output circuit coupled to said controlled electrode and cathode, and means for applying a magnetic field to said electrodes of such a value that controllable electron current flows to the controlled electrode but substantially no electron current flows to the control electrode upon receipt of signals from said input circuit.

2,118,846
**TYPEWRITING MACHINE**
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 14, 1933, Serial No. 702,301
14 Claims. (Cl. 197—102)



8. A typewriter-key having an externally-concave glass top of practically uniform thickness, a base by means of which the top is supported, and an annular cap attached to said base and having an inturned glass-holding flange, said glass top being provided with a border-recess forming a brim upon which said key-cap flange bears, and also forming the concave top into a crown substantially flush with said flange.

2,118,847
**TYING CORD**
Morris Katz, Bronx, N. Y.
Application July 3, 1937, Serial No. 151,955
12 Claims. (Cl. 117—60)



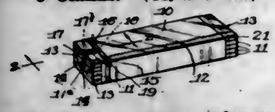
1. An elongated twisted strand of the class described, said strand comprising an elongated colored strip, an elongated transparent strip, and other narrower strips disposed between the first named strips and of a color contrasting to that of the color of the first named strip to form in twisting said strips together a spiral arrangement of variegated colored strips on said twisted strand.

2,118,848
**KNOCK-DOWN DISPLAY DEVICE**
Nathan Joseph Leigh, Great Neck, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware
Original application June 20, 1935, Serial No. 27,496. Divided and this application June 24, 1936, Serial No. 86,907
2 Claims. (Cl. 248—174)



1. In a knock-down display device, a front panel of sheet material having a portion cut out to define an opening, at least a portion of the cut-out material being bent rearwardly from the bottom of the opening to define a shelf, a reflector behind said opening and comprising a blank of sheet material having a portion shaped into conformity with the surface of a cone whose axis is substantially horizontal, means for separably interengaging said shelf and reflector, and collapsible hinged flaps securing the reflector at its sides to the back of the panel alongside of said opening, said reflector having a bottom edge in substantial alignment with the bottom edge of said panel, whereby said reflector serves as a rear prop therefor when the device is set up.

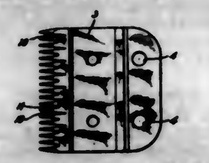
2,118,849
**PACKAGE WRAP**
William Lindsey, Chicago, Ill., assignor to Wm. Wrigley, Jr., Company, Chicago, Ill., a corporation of Delaware
Application October 2, 1936, Serial No. 103,681
8 Claims. (Cl. 206—56)



1. In combination, a plurality of wrapped sticks, an outer wrapper for said sticks closed at its ends and sealed lengthwise along overlapping marginal portions, and a narrow strip extending transversely around the sticks and having one end extending without the wrapper beyond the seal of said overlapping marginal portions and having its other end sealed to one of the wrapped sticks for the removal of said stick from the wrapper.

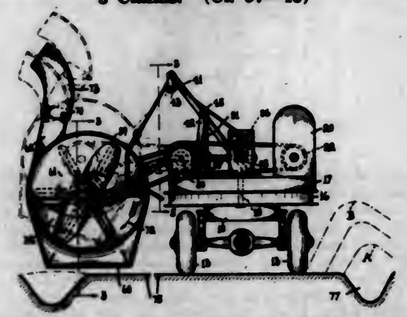
2,118,850
**HAIRCUTTING MEANS**
François René Marcel, Brooklyn, N. Y.
Application March 6, 1935, Serial No. 9,535
Renewed October 23, 1937
2 Claims. (Cl. 30—200)

1. A hair clipper including in combination a fixed blade having cutting teeth adapted to support hairs to be cut in the notches between the teeth, said notches being of different depths to support hairs for cutting in different planes while the ends of the teeth terminate in a substantially straight line and a movable shearing blade having cutting teeth reciprocable across the teeth of the fixed blade for cooperating with each



of said notches, thereby to cut hairs to different lengths on one movement of the blades.

2,118,851
**MEANS FOR REMOVING SNOW FROM ROADWAYS**
John S. McCallum, Goldfield, Iowa
Application February 26, 1937, Serial No. 127,903
3 Claims. (Cl. 37—43)



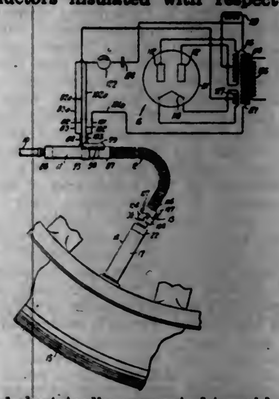
2. In a snow remover for roadways, a self-propelled vehicle, a platform pivotally mounted for horizontal turning movement on the frame of said vehicle, a snow scoop pivotally attached for vertical swinging movements to said platform, means for controlling said movements, said scoop provided with a cutting edge adapted to slice strips of snow formations from a roadway during traveling movements of the vehicle over said road, means for swinging said scoop in vertical directions for disposing said cutting edge close to the surface of said road, a revoluble cutter blade for the scoop adapted to fractionate said strips as received in the scoop, impeller means in the scoop for moving snow received therein outwardly thereof, means for actuating said cutter blade and impeller means, and means associated with said scoop for guiding snow impelled outwardly thereof in a preselected direction.

2,118,852
**PRESSURE RESPONSIVE APPARATUS**
James W. McDonnell, Palo Alto, Calif.
Application March 2, 1936, Serial No. 66,595
11 Claims. (Cl. 137—69.5)

1. In apparatus of the character described for use with pressure receivers, a tube having one end of the same communicating with a pressure receiver, a pair of electrical contacts carried within said tube, pressure responsive means likewise carried within said tube and serving to effect opening and closing of said contacts in accordance with pressure of gas within the receiver, a hose adapted to be connected to a source of gas under pressure, coupling means for making quick detachable connection between one end of said hose and the other end of said tube, said last

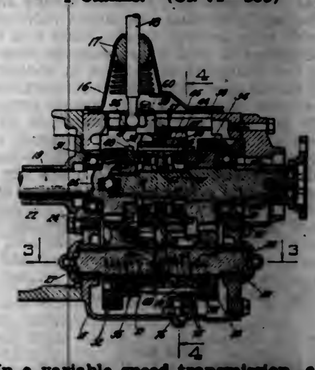


means including metal parts forming two electrical conductors insulated with respect to each



other, and electrically connected to said electrical contacts.

2,118,853
**TRANSMISSION**
James Harold Meech, Detroit, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a corporation of Michigan
Application June 1, 1935, Serial No. 24,496
4 Claims. (Cl. 74—355)



1. In a variable speed transmission, a driving shaft, a countershaft geared thereto, a reverse shaft geared to said countershaft, a driven shaft, a gear on said driven shaft, and gears on said countershaft and reverse shaft alternatively shiftable each in one direction only, and both in the same direction, from neutral position into mesh with the gear on said driven shaft.

2,118,854
**FILM PATCH**
Raymond C. Mercer, Los Angeles, Calif.
Application February 25, 1936, Serial No. 65,570
6 Claims. (Cl. 88—19.5)



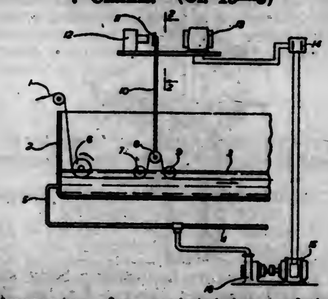
1. A film patch comprising: a plurality of members adjustably connected and having means on opposite portions thereof for engagement with the sprocket perforations of adjacent sections of a film for holding said sections together for use, said members having portions adapted to overlie the edges of said film sections and to engage opposite surfaces thereof for clinching said sections.

2,118,855
**PACKING**
John Miller, Pittsburgh, Pa.
Application May 7, 1937, Serial No. 141,197
3 Claims. (Cl. 286—30)



1. A stuffing box comprising a housing, a member movable relative to the housing received within the housing, a packing carried by the housing and surrounding the member, a neck ring positioned in the housing and surrounding the member, a circumferentially extending rib of triangular cross-section on the neck ring, and means resiliently urging the rib of the neck ring into engagement with the packing so as to form feather edges in engagement with the member and the housing, said packing being formed of a plurality of longitudinally extending relatively short lengths of relatively soft, loosely braided rope packing of sector shape in cross-section and together forming a packing ring having the ends of the cords of the braided packing engaging with the neck ring, said packing being impregnated with a suitable lubricant.

2,118,856
**MANUFACTURE OR TREATMENT OF ARTIFICIAL FILAMENTS, THREADS, YARNS, AND LIKE MATERIALS**
Robert Wighton Moncrieff and Frank Brentnall Hill, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application October 28, 1936, Serial No. 107,998
In Great Britain November 7, 1935
7 Claims. (Cl. 18—8)



6. Apparatus for maintaining substantially constant the tension in running artificial filaments, threads, yarns or like materials being sub-

jected to the action of a fluid softening mixture, which comprises means for introducing into said mixture a supply of at least one of its ingredients and a device controlled by the tension in the running materials and arranged to initiate, on increase in tension, and to terminate, on return to normal tension, the operation of said means.

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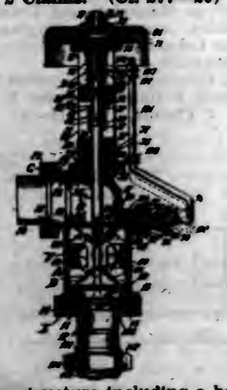
2,118,857
**ATTACHMENT AND WALL PLUG**
Walter C. Morford, Los Angeles, Calif.
Application November 14, 1933, Serial No. 697,933
3 Claims. (Cl. 173—343)



3. As a new article of manufacture a male attachment plug section having a bore provided with diametrically opposite arcuate co-axial slots, and with diametrically opposite recesses communicating with said slots, there being an integral cylindrical rod between both recesses projecting at right angles thereto concentrically of the plug, terminating in a concentric forwardly projecting pin, said rod having a co-extensive longitudinal groove and said rod and pin conjointly having a longitudinal central hole internally curving out of the side of the rod at its innermost part.

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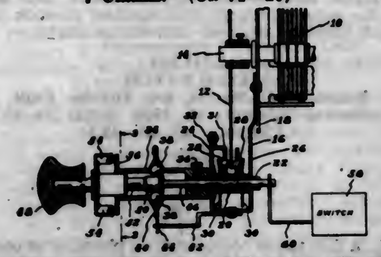
2,118,858
**FLOW DIVERSION VALVE**
Benjamin G. Newhall, Forest Park, Ill., assignor to Mojonnier Bros. Co., a corporation of Illinois
Application May 25, 1937, Serial No. 144,708
2 Claims. (Cl. 277—20)



2. A valve structure including a body, suitable openings and passages therein for the flow of liquid therethrough, readily removable sanitary pipe connections to said body cooperating with said openings and passages in said flow, one of said pipe connections extending approximately horizontally, another approximately vertically, the latter including a cylindrical chamber having a substantially vertical axis, valve seats formed near the upper and lower ends of said cylindrical chamber, the upper seat lying in an upper valve seat plane just below the inner end of said approximately horizontal pipe connection and passage, the lowest point in said latter connection and passage being adjacent to said upper valve seat, the lower valve seat being readily removable from said body to leave a full-width removal opening at the lower end of said cylindrical chamber, a reciprocating valve member operatively positioned in said chamber, said member having guiding wings and two valve faces, said wings operating in engagement with the cylinder wall of said chamber to insure axial guidance of said valve member, and said valve faces cooperating with said seats to vary the path of flow of the liquid through said body, a main stem for said valve extending through an opening in said body and being removably connected to said valve, said valve and stem being both removable from said body through said removal opening at the lower end of said cylindrical chamber, means outside of said body for reciprocating said stem and attached valve, the latter in said cylindrical chamber, said body having a cylindrical drain passage opposite, and accessible for cleaning through, said substantially horizontally disposed fluid passage, said cylindrical drain passage terminating at its inner end practically in said upper valve seat plane, a drain valve in said cylindrical drain passage, a coiled spring in said passage normally holding said drain valve closed, a removable tube secured to said body and forming an extension of said drain passage, means in said tube for actuating said valve in cooperation with said spring, and mechanical connections between the main stem actuating means outside of said body whereby vertical movements of said main stem actuating means will produce corresponding horizontal movements of the actuating means in said removable tube to drain the horizontal passage and connections to a point outside said body whenever said upper valve face is closed on its said seat, the removability of said main valve, main valve stem, removable tube and associated parts, rendering the interiors of said body passages accessible for scrubbing to render them sanitary for the handling of edible liquids.

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2,118,859
**REDUCTION-GEAR DEVICE**
William E. Newman, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 28, 1934, Serial No. 722,849
7 Claims. (Cl. 74—10)



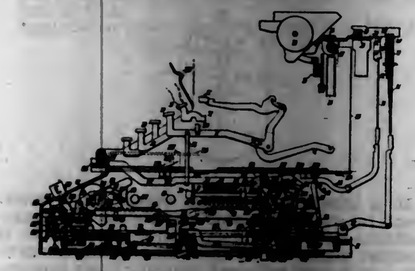

1. In a reduction-gear device for adjusting electrical tuning apparatus, a shaft supported for axial movement and for rotation about its



axis, a member disposed about said shaft for rotation about said axis, a ball race disposed about said member and fixed against rotation therewith, and balls disposed in said race, said member being provided with openings for receiving said balls and in which the same have a free fit, the diameter of a section of said shaft being sufficient to engage said balls and hold the same in contact with said race, said section being movable into and out of operative association with said balls upon axial movement of said shaft, said member and said shaft being provided respectively with complementary parts each extending laterally from said member and shaft and engageable with each other to connect said member directly to said shaft when the latter is moved axially to the position whereat said shaft section is out of operative association with said balls, and means inhibiting a reverse axial movement of said shaft when it is in said position.

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2,118,860
**COMBINED TYPEWRITING AND COMPUTING MACHINE**
Henry L. Pitman, Westfield, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application May 17, 1932, Serial No. 611,838
36 Claims. (Cl. 235—60)

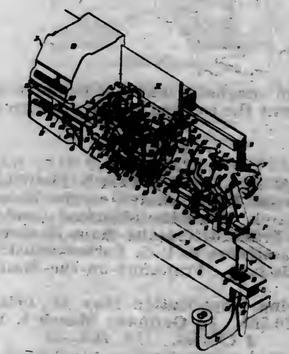


1. In a computing machine having a register arranged for performing addition or subtraction, cycling mechanism, a carriage, and a spring-pressed state-controller releasable by said carriage to different positions to condition said register for addition or subtraction, the combination of a throw-off key, a train connecting said key and controller, whereby setting of said key restores the released controller to neutral position or prevents its movement to effective position, said train including latching means to hold the controller neutral, and means whereby the latching means are disengaged at the end of a cycling operation, to restore said train and thereby condition said controller for subsequent release by said carriage.

24. In a computing machine having a set of reciprocatory register-bars having certain parts alternately engageable for reciprocating said bars; and having a general operator for the register-bars including a reciprocatory bar extending transversely of the register-bars for reciprocating the latter by engaging said parts, the combination with said transverse general-operator bar, of means to absorb the impact as said parts are engaged, including closely-wound helixes forming the register-bar driving faces of said general-operator bar and extending lengthwise along opposite faces of said general-operator bar, a resilient backing between each helix and the general-operator bar, and a retaining rod extending through each helix, the ends of said retaining rod projecting beyond the ends of the helix, said rod-ends being secured to said general-operator bar to thereby retain said helix.

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2,118,861
**COMBINED TYPEWRITING AND COMPUTING MACHINE**
Henry L. Pitman, Westfield, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 13, 1932, Serial No. 646,953
30 Claims. (Cl. 235—59)



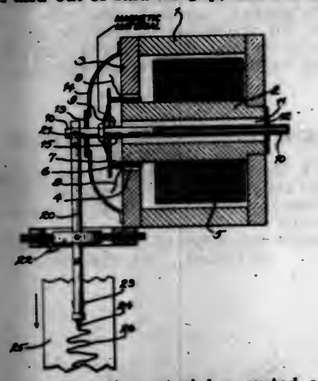
1. In a computing machine having a row of denominational, totalizer-gears, and also having a master-wheel for engaging the totalizer-gears in denominational order, said master-wheel being normally disconnected from a set of differential actuators, there being provided a shiftable clutch-element, whereby, upon operation of an actuator, the master-wheel may be connected to the actuator, and subsequently disconnected again; in combination, an actuator-controlled pivoted lever for shifting said clutch-element, said lever having an arm forming a gear-aligning blade operative, upon said disconnection of the master-wheel, to engage the teeth of and thereby align the totalizer-gears, the blade being disposed relatively to the lever-pivot so as to have a tilting movement and to be thereby seated in the totalizer-gears progressively from lower to higher denominations, said blade being withdrawn from said teeth when said lever is operated to connect the master-wheel.

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2,118,862
**DYNAMIC TRANSLATING DEVICE**
Lynden C. Rayment and Clarence B. Howard, Oakland, Calif.
Application February 17, 1937, Serial No. 126,170
5 Claims. (Cl. 172—126)

1. In a dynamic translating device having a movable coil positioned in an annular air gap formed between a central pole piece and a top plate, a motional assembly comprising a rod of non-magnetic material extending through an axial bore hole in said pole piece and free from the walls thereof, means for supporting said coil in said air gap by said rod, bearings adjacent the

ends of said rod to permit said rod and coil to move in and out of said air gap, and a centering



member of magnetic material mounted on said rod adjacent the coil end of said pole piece.

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2,118,863
**MIXED POLYMERIZATION PRODUCTS**
Walter Reppe, Ludwigshafen-on-the-Rhine, Werner Starck, Hofheim (Taunus), and Arthur Voss, Frankfort-on-the-Main-Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application May 12, 1936, Serial No. 79,268. In Germany March 5, 1932
4 Claims. (Cl. 260—2)

2. A mixed polymerization product of a vinyl ester of an aliphatic carboxylic acid containing from 5 to 6 carbon atoms and styrene.

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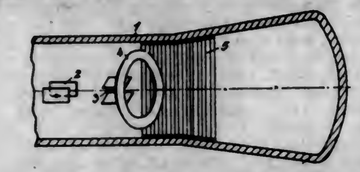
2,118,864
**POLYMERIZATION PRODUCTS FROM VINYL ESTERS**
Walter Reppe, Ludwigshafen-on-the-Rhine, Werner Starck, Hofheim (Taunus), and Arthur Voss, Frankfort-on-the-Main-Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 3, 1937, Serial No. 146,198. In Germany March 5, 1932
15 Claims. (Cl. 260—2)

1. A process for the production of valuable products from vinyl esters, which comprises subjecting to polymerization at least one vinyl ester of an aliphatic carboxylic acid containing at least 8 carbon atoms.

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2,118,865
**CATHODE RAY TUBE FOR TELEVISION PURPOSES**
Kurt Schlesinger, Berlin, Germany
Application March 26, 1934, Serial No. 717,398
In Germany March 29, 1933
9 Claims. (Cl. 250—27)

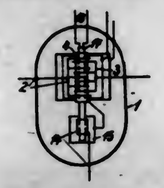
1. An arrangement comprising a cathode ray tube comprising means to produce a cathode ray of variable intensity, means to concentrate said cathode ray, a picture receiving screen, two pairs of deflecting plates disposed between said concentrating means and said screen, and further concentrating means mounted between said deflecting plates and said screen, said further concentrating means including a perforated plate-shaped electrode mounted in a cross-section of the cathode ray tube between said deflecting plates and said screen, and an auxiliary electrode consisting of a metallic wall coating, said coating beginning substantially in the cross-section of



the cathode ray tube in which said plate-shaped electrode is mounted, said coating projecting for at least eight cm. in the direction towards said screen; and means for supplying between said wall coating and said plate-shaped electrode a potential difference, which, taken from said wall coating to said plate-shaped electrode, is negative.

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2,118,866
**DETECTOR**
Kurt Schlesinger, Berlin, Germany
Application October 20, 1934, Serial No. 749,236
In Germany October 23, 1933
1 Claim. (Cl. 250—27)



In a television receiving system an arrangement for rectifying and amplifying the image-contents-currents of very high frequency and of greatest difference in their amplitudes comprising a twin-grid grid-leak detector valve containing at least a hot equi-potential cathode, two control grids and an anode, an electronic discharge device comprising an anode and a hot cathode in the grid circuit of said valve, said discharge device being arranged in one and the same container together with the electrodes of said audion valve, a common insulated heating element for both said cathodes, the equipotential layer of said cathode of said audion valve being directly coupled with the anode of said discharge device.
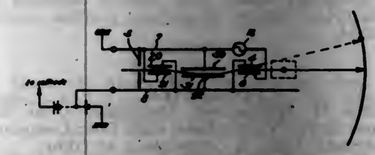
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2,118,867
**TELEVISION ARRANGEMENT**
Kurt Schlesinger, Berlin, Germany
Original application July 15, 1933, Serial No. 680,583, now Patent No. 2,053,537, dated September 8, 1936. Divided and this application July 7, 1936, Serial No. 89,446. In Germany July 19, 1932
3 Claims. (Cl. 250—27)

1. In a television reception arrangement in combination a cathode ray tube comprising a straight evacuated envelope, a gas-filling inside said envelope, a cathode and an anode arranged in operative relationship thereto for producing a cathode ray, means for concentrating the cathode ray, means for controlling the intensity of the cathode ray, a picture receiving screen, two pairs



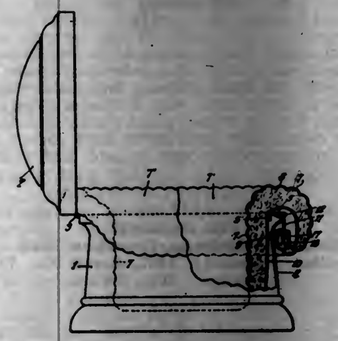
of deflecting plates for deflecting the cathode ray in two directions vertical to each other for scanning said picture receiving screen, two further pairs of deflecting plates arranged between said anode and the first said deflecting plates, and means for connecting one plate of each of said further deflecting plates systems with one plate



of one of the first said deflecting plates systems; means to supply said anode with a high positive potential against said cathode; means to supply the mentioned plate of each of the first said deflecting plates system with a high constant bias against said anode; and means to supply the other plate of the first said deflecting plates system with a deflecting voltage.

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2,118,868
**CASKET**
Harry S. Scholl, Chicago, Ill., assignor to F. H. Hill Company, Inc., Cleveland, Ohio, a corporation of Ohio
Application April 24, 1936, Serial No. 76,176
11 Claims. (Cl. 27—19)

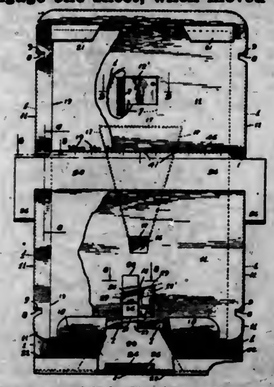


1. In a casket of the kind described, a plate member pivotally connected to the front sidewall at the top edge thereof adjacent the outer face of the wall of the casket and arranged to normally rest on the top edge of the casket sidewall and extend inwardly therefrom, and a lining attached to, and carried by the plate member as the latter is rotated outwardly.

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2,118,869
**LINE INDICATING COPY HOLDER**
Arthur L. Slee, San Francisco, Calif.
Application November 23, 1936, Serial No. 112,400
4 Claims. (Cl. 130—24)

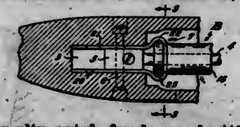
2. A copy holder comprising a pair of superimposed sheets slidably connected; and a line indicator mounted on said sheets and having slits, the opposite edges of said slits embracing opposite sides of said sheets to normally hold said indicator against movement on said sheets and to engage one sheet, when moved upon the



other, to move said indicator with said moved sheet.

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2,118,870
**EAR CLIP CATCH FOR SHUTTLES**
David A. Tebo, Lawrence, Mass., assignor to U S Bobbin & Shuttle Company, Manchester, N. H., a corporation of Rhode Island
Application January 11, 1937, Serial No. 119,922
2 Claims. (Cl. 139—208)



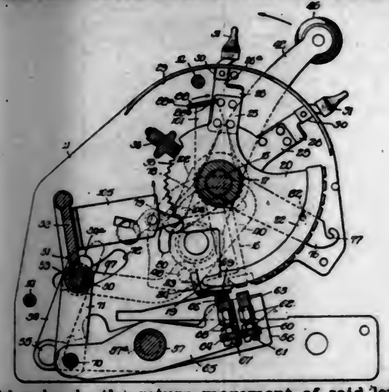
1. An ear clip catch for loom shuttles comprising a unitary length of sheet metal of substantially uniform width but having a downwardly concave recess substantially midway its extremities, the end portions of said strip being disposed in substantially parallel spaced planes to form side members, said side members being provided with openings for the reception of anchorage means, the recessed mid-portion of the strip constituting a transverse web disposed in a plane substantially perpendicular to the planes of said end portions and the material of the side members being bowed outwardly adjacent to their junction with the web to provide a chamber for the bobbin butt.

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2,118,871
**CHECK WRITER**
Ernest H. Thompson, Winnetka, Ill., assignor to International Register Company, Chicago, Ill., a corporation of Illinois
Application August 3, 1936, Serial No. 94,020
14 Claims. (Cl. 101—95)

1. In a check writer of the character described, a plurality of printing segments normally in a predetermined position and individually adjustable about a common axis, adjusting members secured to and projecting outward from said segments, a clearing yoke rockable about said axis, yielding means urging said yoke in one direction and normally holding it in non-clearing position, an operating lever movable from inoperative position into operative position for effecting the printing operation, and means actuated by said lever for rocking said yoke a predetermined distance in the other direction into contact with

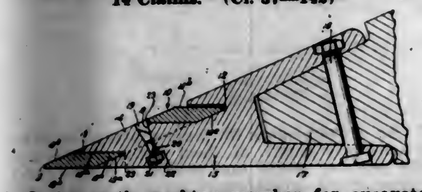
said adjusting members and turning said segments into normal position and then releasing



said yoke, in the return movement of said lever from operative to inoperative position.

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**2,118,872**
**REMOVABLE TEETH FOR EARTH WORKING MACHINES**
**Raymond S. Weimer, Wilmington, Ill.**
**Application June 10, 1936, Serial No. 84,439**
**14 Claims. (Cl. 37—142)**



2. An earth working member for excavators comprising a reversible tooth having symmetrical earth working formations at opposite ends and provided with an obliquely disposed mounting aperture therebetween of a size to receive a thrust resisting mounting member.

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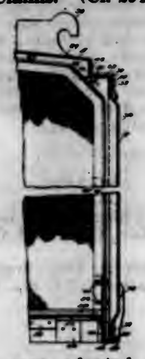
**2,118,873**
**TRAVELER**
**Philip C. Wentworth, Providence, R. I., and Amidas C. Link, Winnsboro, S. C.**
**Application March 10, 1937, Serial No. 130,110**
**2 Claims. (Cl. 118—61)**



1. A ring twisting traveler adapted to be run in a vertical position about a twisting ring, consisting of a member formed to present a top head portion, a bottom foot portion, and a portion connecting said head and foot portions, said connecting portion having a flattened area which offers a substantially uniform friction surface to the inner face of the ring, and said head and foot portions being of inwardly rounded cross-section and offering minimum friction to the yarn and bottom edge of the ring respectively, and said foot portion having an outwardly bowed heel providing a clearance space between the traveler foot and the inner face of the bottom edge of the ring, said outwardly bowed heel portion assisting to maintain the traveler in vertical position during operation.

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**2,118,874**
**CONTAINER**
**Clarence H. Williamson, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio**
**Application April 22, 1931, Serial No. 531,925**
**14 Claims. (Cl. 294—72)**



7. An inner cage adapted to be telescoped within an outer shell of a railway car type container for less than carload lots, said cage including a rectangular base frame, a superstructure unit having corner posts rigidly united, and means detachably connecting said corner posts of the superstructure unit to said base frame.

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**2,118,875**
**SKI HOLDER**
**Leonard Windheim, Brookline, Mass.**
**Application March 13, 1937, Serial No. 130,769**
**2 Claims. (Cl. 224—5)**

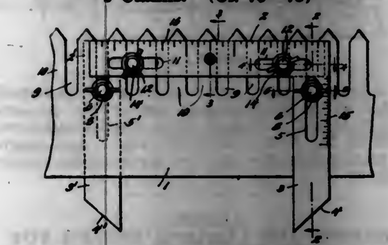


2. A ski holder comprising a bag for receiving the lower portions and the intermediate portions of a pair of skis, means for closing the bag over the intermediate portions of the skis, and a strap for connecting the bag with upper portions of the skis, there being a space between the strap and the skis large enough to permit a person's arm to be passed therethrough and to permit the person to carry the bag and the skis therein in substantially vertical position while leaving the said arm free.



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**2,118,876**
**SAW CLAMP**
**James N. Alexander, Birmingham, Ala.**
**Application August 18, 1934, Serial No. 740,516**
**9 Claims. (Cl. 76—78)**



1. In a crosscut saw supporting means, and in combination, an adjustable member comprising elements adapted to be positioned on opposite sides of the saw blade and having markings thereon to facilitate adjustment of the device on the saw, said adjustable member adapted to be detachably mounted on the blade of the saw to engage a supporting surface, and a saw handle attachable thereto making an angle with the adjustable member and forming with said member a supporting base to maintain the cutting edge of the blade in the raised position, and means to vary the length of saw blade contacted by the adjustable member.

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**2,118,877**
**MORDANT DYE IMAGE AND PROCESS OF PRODUCING THE SAME**
**Rudolf von Arx, Berlin-Wilmersdorf, Germany**
**No Drawing. Application June 22, 1936, Serial No. 86,698. In Germany June 28, 1935**
**5 Claims. (Cl. 95—88)**

1. The process of producing a mordant color image which comprises treating a photographic silver image with an aqueous solution containing a soluble zinc salt, a soluble ferricyanide, and a neutral salt of a strong base and a weak organic acid the anion of which is capable of forming with the zinc ion in the presence of hydroxyl ions a complex zinc-organic acid anion, thereby preventing the precipitation of zinc ferricyanide, the dilution of said aqueous solution being adapted to bring the reaction to a standstill in a short time with the conversion of no more than a part of the silver of the silver image into zinc ferrocyanide and silver ferrocyanide, and then converting the image into a mordant dye image by treating it with an aqueous dyestuff solution.

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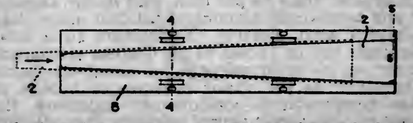
**2,118,878**
**MINING MACHINE CHAIN LUG**
**Charles L. Bowman, Canton, Ohio, assignor to The Bowdil Company, a corporation of Ohio**
**Application July 17, 1937, Serial No. 154,129**
**4 Claims. (Cl. 262—32)**

1. A mining machine chain lug having an end face and a recess spaced from said end face to receive a hardened bit, said lug having an opening with female threads extending from the end face to the recess for receiving a set screw with a hardened end to engage the hardened bit and hold same in the recess, said lug having a transverse slot relatively close to the end face and extending below the threaded female opening to produce a resiliently mounted spaced member adapted to engage a thread of the set screw and exert pressure in a direction parallel with the axis of the set screw to bind the set screw from turning and adapted to cause an additional binding action resulting from the reversed inclined position assumed by said resiliently mounted spaced member when the set screw is tight against the bit.



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**2,118,879**
**SPRING COVER**
**Walter R. Chesley, Somerville, Mass., assignor, by mesne assignments, to F. L. Jacobs Company, Detroit, Mich., a corporation of Michigan**
**Application April 25, 1936, Serial No. 76,384**
**3 Claims. (Cl. 267—37)**



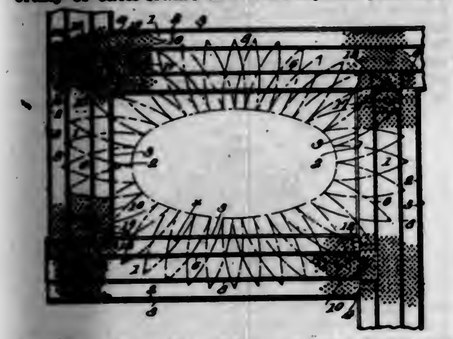
1. A spring cover comprising a channel-shaped section terminating in longitudinal extending tapered flanges formed from a single sheet slotted transversely at intervals to promote flexibility and carrying a plurality of transverse bands engaging deformations on said section and held covering said slots thereby, and a single tapered member for closing the open side of said channel-shaped section, said section and member capable of disengagement by a comparatively short relative longitudinal movement.

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**2,118,880**
**FRAME FOR STRETCHING DOILIES OR THE LIKE**
**William Leigh Davis, Richmond, Va.**
**Application December 27, 1935, Serial No. 56,393**
**2 Claims. (Cl. 45—24)**

1. A frame for stretching doilies and the like, comprising a plurality of frame units of similar shape, each frame unit being longitudinally extended and relatively wide and having a flat face, means for adjustably interconnecting said frame units in abutted relation with the flat faces of said frame units in the same plane, said means including clamping members overlying the meeting edges and contacting with adjacent frame units, pins for engaging the fabric to be stretched, each frame unit having holes in the flat portion thereof in which the pins may be removably seated, the clamping member having holes therethrough adapted to register with holes in the frame units, said holes in the frame units being

spaced from each other longitudinally and laterally of each frame unit whereby the pins may



be selectively positioned for engagement at closely spaced intervals with the marginal edge of an article of curved or irregular outline.

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2,118,881
MANUFACTURE OF ALCOHOLS
Alfred W. Francis, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application March 9, 1934, Serial No. 714,824
9 Claims. (Cl. 260—156)

1. In the process for the preparation of secondary butanol from a normal butene, the steps which comprise bringing the butene into intimate contact with sulphuric acid of a strength not greater than 65 per cent, and in the absence of any substantial amount of catalyst other than sulphuric acid, heating the mixture to a temperature not in excess of 70 degrees centigrade under an elevated pressure of about the same magnitude as the vapor pressure of butene at that temperature, continuously agitating the mixture, and subsequently releasing the pressure and distilling the alcohol from the reaction mixture.

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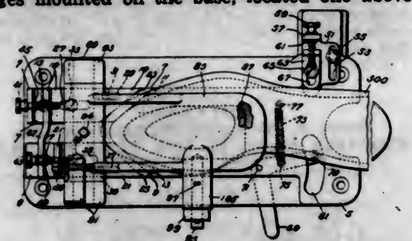
2,118,882
MANUFACTURE OF ALCOHOLS
Alfred W. Francis, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Original application March 9, 1934, Serial No. 714,824. Divided and this application November 17, 1937, Serial No. 174,962
3 Claims. (Cl. 260—156)

1. In the process for the preparation of tertiary butanol from isobutene, the steps which comprise bringing isobutene into intimate contact with sulfuric acid of a strength not greater than 65 per cent, and in the absence of other catalytic material, heating the mixture to a temperature not in excess of 120° C., under an elevated pressure of about the same magnitude as the vapor pressure of isobutene at that temperature, continuously agitating the mixture, and subsequently releasing the pressure and distilling the alcohol from the reaction mixture.

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2,118,883
ASSEMBLING DEVICE
Joseph Harrington, Jr., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 8, 1937, Serial No. 119,649
8 Claims. (Cl. 12—17)

1. A device for locating an insole and an outsole in predetermined superposed relation and for pressing them together having, in combination, a base, two gages mounted on the base for relative adjustment with respect to each other and located one above the other for engaging the articles in localities near one of their ends, two gages mounted on the base, located one above



the other and relatively adjustable with respect to each other for engaging the articles at their sides in localities remote from the localities engaged by the first-named two gages, and means also mounted on the base for pressing the articles together.

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2,118,884
HEATING AND COOLING SYSTEM FOR TRAILER VEHICLES
Arthur J. Fuchs, St. Louis, Mo.
Application December 16, 1936, Serial No. 116,175
6 Claims. (Cl. 257—7)



1. In a heating and cooling apparatus for vehicles, heat exchange assemblies arranged interiorly of the vehicle, each assembly including a casing structure having a radiator arranged in the bottom thereof, a cooling coil arranged in the top thereof and a blower arranged in an intermediate portion thereof, said blower being arranged to draw air from the interior of the vehicle, and also being provided with a swivelly mounted nozzle adapted to be positioned for directing the air either toward the top or toward the bottom of the casing structure depending upon whether it is desired to heat or cool the interior of the vehicle, refrigerating means connected with the cooling coils for causing a circulation of a cooling medium through said coils, and means connected with said radiators for causing a circulation of hot water through said radiators.

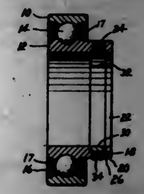
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2,118,885
ANTIFRICTION BEARING
Frederick G. Hughes, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 5, 1936, Serial No. 78,003
7 Claims. (Cl. 308—236)

1. In an antifriction bearing, a race ring adapted for connection to a supporting member, the race ring having its bore interrupted by an internal groove which is eccentric with respect to the bore, an eccentric member in the groove and having arcuate inner and outer surfaces of greater angular extent than a half circle, one surface being of a curvature to conform to the bottom of the groove and the other surface being smooth



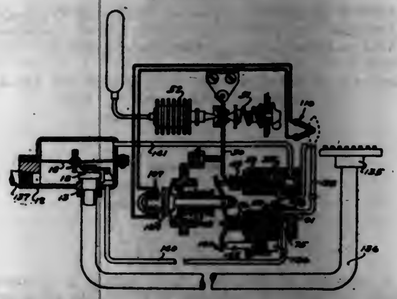
and of a curvature to conform throughout to the supporting member, and a set-screw threaded in



the race ring and engaging the eccentric member; substantially as described.

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2,118,886
FUEL BURNER CONTROL SYSTEM
Frederick D. Joesting, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 27, 1936, Serial No. 87,716
17 Claims. (Cl. 236—1)

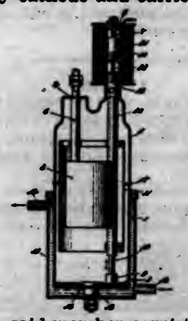


6. In a control system, a pair of valves each controlling a different condition, a biasing means associated with each of said valves for urging the valve to a first position wherein the respective condition controlled by it may be established, common biasing means acting on said valves in opposition to and with a greater force than said individual biasing means to move said valves to a second position, means for tilting said common biasing means to a position wherein said common biasing means is ineffective to oppose the individual biasing means of one of said valves so as to cause said valve to be moved to its first position, and means including a device responsive to the condition established by the movement of said one valve to its first position to hold said common biasing means in a position wherein biasing means is ineffective to oppose the individual biasing means of the other valve.

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2,118,887
MERCURY CATHODE TUBE
Tom Jurriaanse, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application February 15, 1937, Serial No. 125,943
In Germany February 17, 1936
5 Claims. (Cl. 250—27.5)

1. A mercury-cathode tube comprising an envelope having a wall portion of mercury-resistant metal forming part of the bottom thereof, electrodes within said envelope including a mercury cathode within the bottom part, and a massive cathode-spot anchoring member partly within said mercury cathode and carried by said metal



wall portion, said member consisting of a metallic material substantially of nickel.

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2,118,888
MASTER COPY SHEET
Edward Z. Lewis, Evanston, Ill., and William J. Menihan, Franklin, Pa., assignors to The General Manifold and Printing Company, a corporation of Pennsylvania
Application September 30, 1936, Serial No. 103,426
12 Claims. (Cl. 101—131)



1. A copy sheet for use either in the gelatin type or in the spirit type of reproduction, comprising upper and lower panels of sheet material the outer sides of which are adapted for writing thereon, the inner side of one of said panels being coated with hectograph ink, a sheet of protective material between said panels, and means holding all of said sheets in detachable relation.

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2,118,889
METHOD OF ORNAMENTING SHOES
Horatio S. Lyncas, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 13, 1935, Serial No. 49,523
4 Claims. (Cl. 12—146)



1. A method of making shoes which consists in providing an upper blank, cutting through the blank completely to form a cut-out therein except for narrow bridging portions connecting

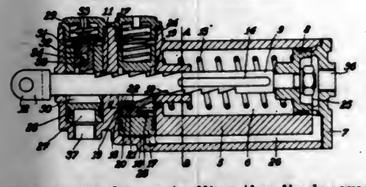
the body portion of the blank with material to be removed therefrom, incorporating the blank in a shoe, and completing the cut-out by severing said bridging portions.

2,118,890

## CONTROL DEVICE WITH PREDETERMINED SUCCESSIVE POSITIONS

Frédéric Maes, Brussels, Belgium, assignor to Servo-Frein Dewandre Société Anonyme, Liege, Belgium

Application November 22, 1937, Serial No. 175,993
In France November 27, 1936
6 Claims. (Cl. 121—40)



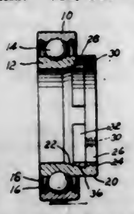
1. In a device for controlling the displacements of a member adapted to occupy successively different predetermined positions, a first fluid driven motor for operating the said member, notches provided on the said member, a second motor subjected to the effect of the fluid acting in the said first motor, and means operated by the said second motor and displaced against the action of a spring to cooperate with the said notches to limit each displacement of the said member due to the action of the driving fluid.

2,118,891

## ANTIFRICTION BEARING

Salvatore F. Marino, Plainville, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 29, 1936, Serial No. 82,573
6 Claims. (Cl. 308—236)



1. In a device of the character described, a race ring having a tapering annular recess, a wedging ring fitting wholly within the recess, one end of the race ring carrying a flange overhanging radially and overlapping one end of the wedging ring, and means reacting between the flange and the wedging ring for forcing the latter to project from the recess and engage a support; substantially as described.

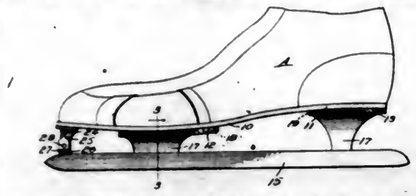
2,118,892

## SKATING FOOTWEAR

Earle Walten Mays, Benton Harbor, Mich.

Application November 11, 1936, Serial No. 110,403
1 Claim. (Cl. 280—11.30)

A skating footwear having sole and heel portions comprising a plurality of wedge-shaped cleats fixed at intervals to the sole and heel portions, a skating unit having keys correspondingly shaped to the cleats and removably fitting the same, a keeper fixed to the sole portion and having a rearwardly directed keeper nib, an inverted substantially U-shaped latching trigger pivoted to the unit for saddling the keeper nib, means



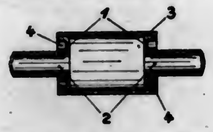
on the trigger and engageable with the unit for holding the trigger in position for the saddling of the keeper nib, and a grip disposed crosswise of the trigger for actuation thereof and projected laterally beyond opposite sides of the unit.

2,118,893

## JOINTING OF TUBES OF THERMOPLASTIC MATERIAL

Gottfried Meerbeck, Cologne-Mulheim, Germany, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany

Application February 18, 1937, Serial No. 126,477
In Germany February 24, 1936
1 Claim. (Cl. 18—59)



A method of jointing long tubes of thermoplastic material for serving as bendable, pressure-resisting, oil-, water-, and gas-tight coverings of cables under the application of pressure and heat, consisting in placing circular thermoplastic members of C-shaped cross-section on the ends of the tubes to be jointed together and a thermoplastic sleeve on the said circular members, supporting the said ends of the tubes together with the said thermoplastic members and sleeve by pressure-resisting rings inserted in the said circular members during the application of heat and pressure, and removing the said pressure-resisting rings.

2,118,894

## APPARATUS FOR PRODUCING COMBINED SOUND AND MOTION PICTURE FILMS

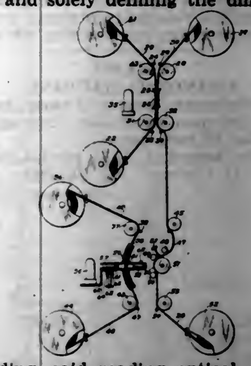
William J. Morrissey, Brooklyn, N. Y.

Application December 12, 1934, Serial No. 757,131
11 Claims. (Cl. 88—24)

1. In a device for producing sound records, a primary sound record, a strip of positive film, a curved plate having an aperture formed therein, a roller spaced apart from said plate and having its axis substantially at right angles to said aperture, means for moving said record over said curved plate and said film over said roller in definite timed relation to each other, an exciting lamp, a reading optical unit including optical slit forming means between said lamp and said record, said lamp, said optical unit, and said record constituting a source of modulated light, and a recording optical unit similar to said first unit between said record and the positive film, with its optical slit-forming means focused on



said film and solely defining the dimensions of



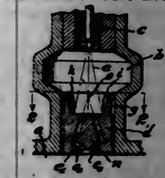
the recording, said reading optical unit determining the frequency of said recording only.

2,118,895

## PRECOMBUSTION CHAMBER FOR DIESEL ENGINES

Fritz Nallinger, Stuttgart, Germany, assignor to Daimler Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany

Application February 6, 1935, Serial No. 5,290
In Germany February 7, 1934
4 Claims. (Cl. 123—33)



2. In an internal combustion engine receiving fuel by injection, in combination, a main combustion chamber, an ignition chamber, a fuel injection nozzle arranged to inject a jet of fuel into the ignition chamber and an insertion piece in the ignition chamber having an atomizing surface arranged substantially at right angles to the direction of the jet of fuel leaving the nozzle and having a core piece extending from said atomizing surface with a plurality of throttling bores arranged around the core piece and converging towards the axis of the fuel jet, said insertion piece having a wall spaced from the end of the core piece and having a conical annular passage in open communication with the throttling bores between said wall and the end of the core piece and said wall having a throttle opening in open communication with the main combustion chamber, said conical annular passage converging towards a point situated on the axis of the core piece immediately behind said throttle opening, so as to form with the throttling bores a throttling connection having an angular bend therein for establishing communication between the ignition chamber and the main combustion chamber.

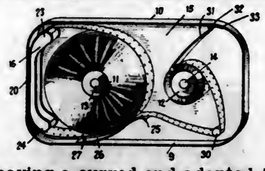
2,118,896

## MOTION-PICTURE FILM MAGAZINE

Julius Pearlman, New York, and Albert Kindelmann, Floral Park, N. Y., assignors to International Projector Corporation, New York, N. Y., a corporation of Delaware

Application October 8, 1935, Serial No. 44,016
7 Claims. (Cl. 88—17)

1. In a motion picture film magazine including a take-off spool, a continuously driven take-up spool and a gate past which the film is intermittently moved from one spool to the other, and a resilient arm urged toward said take-off spool,



said arm having a curved end adapted to engage a portion of the film between the gate and the take-up spool to form a bent section therein and urge said portion against film on the take-off spool.

2,118,897

## SPINNING SOLUTIONS AND THE PRODUCTION OF ELASTIC YARNS THEREFROM

Robert Pickles and John Pickles, Burnley, England

No Drawing. Application August 19, 1935, Serial No. 36,939. In Great Britain July 31, 1935
6 Claims. (Cl. 18—54)

2. The method of manufacturing elastic filaments which comprises precipitating cellulose hydrate in jelly form from crude viscose solution, separating the jelly and the liquor, dissolving the jelly in water and again precipitating it, repeating these steps until the product has become pure cellulose hydrate, dissolving this in water, mixing this solution with rubber latex, and spinning a filament of this mixture into a coagulating solution.

2,118,898

## ROOFING MATERIAL AND METHOD OF MAKING THE SAME

Forest W. Price, Richmond, Calif., assignor to Pacific Minerals Company, Ltd., Richmond, Calif., a corporation of Nevada

Application July 28, 1936, Serial No. 93,015
9 Claims. (Cl. 91—70)



1. A roofing material comprising granules, and a protective silica coating on the granules.

2,118,899

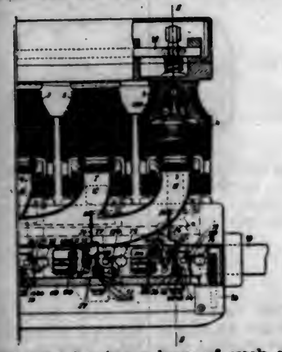
## TWO-STROKE CYCLE INTERNAL COMBUSTION ENGINE

Gavin Ralston, Weybridge, England

Application April 27, 1937, Serial No. 139,308
In Great Britain April 27, 1936
9 Claims. (Cl. 123—136)

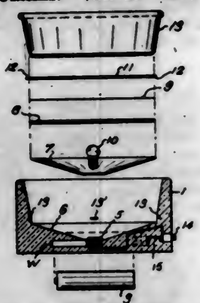
1. Means for metering and feeding petrol or other low flash fuel to an internal combustion engine comprising for combination with each engine cylinder, an air suction pump, an air pressure pump, a chamber in which a constant level of the fuel is maintained, a tube connected between the said pumps and in communication with the said fuel chamber, means for actuating the suction pump to cause a reduction in the pressure of the air in the said tube and thereby draw a predetermined quantity of fuel from the said fuel chamber into the said tube in the form of a column, a fuel spray jet, a valve controlling the opening and closing of the said jet with respect to the said

tube and means for actuating the air pressure pump to cause a body of air to act as a displacing means upon the column of fuel to deliver this column of fuel from the said tube to the fuel spray



jet the said tube having a bore of such size that the successive columns of fuel formed therein are not disintegrated by the air suction or pressure which act thereon but are maintained as unbroken columns.

2,118,900
NURSING TRAY
Frank Stanley Schade, Holyoke, Mass.
Application February 1, 1937, Serial No. 123,513
4 Claims. (Cl. 40—130)

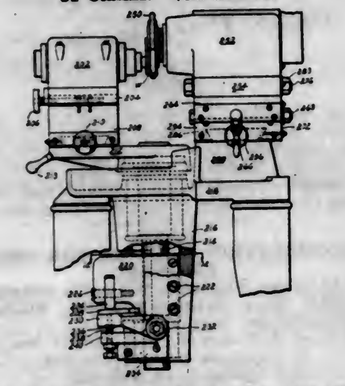


3. The combination of a child's nursing tray made up of bottom and side walls, means to reflect light upwardly within the side walls, a lamp in the tray to furnish such light, removable means to hold a translucent picture sheet extended across between the side walls of the tray and above said lamp, and a food dish having a transparent bottom wall, the bottom portion of said dish and the upper portion of said tray being made to telescope one with the other and thereby bring the bottom of the dish at rest inside the tray just above the plane of said picture sheet so as to clearly show a picture through said bottom.

2,118,901
MANUFACTURE OF FLUOROHYDRO-CARBONS
Julius Sôll, Leverkusen-I. G. Werk, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application February 12, 1936, Serial No. 63,657
5 Claims. (Cl. 260—166)

1. The process which comprises causing a mixture of gaseous hydrofluoric acid and acetylene to circulate through a catalyst selected from the group consisting of mercuric oxide and mercuric halides at such a rate as to prevent a rise of the reaction temperature above about 40° C.

2,118,902
GRINDING MACHINE
Attilio R. Spicacci, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 1, 1935, Serial No. 34,148
31 Claims. (Cl. 51—94)



1. In a machine of the character described, a support for a grinding member, a support for a member having a point contact with the grinding member, means for oscillating one of said members around a fixed axis parallel to the sides of the grinding member to cause the point of contact to shift widthwise of one of the members, and means for causing said oscillated member to have a linear movement in the plane of the grinding member during said oscillation; substantially as described.

2,118,903
PROCESS FOR THE MANUFACTURE OF NITROGEN TRICHLORIDE
Erich Staudt, Deventer, Netherlands
No Drawing. Application November 26, 1935, Serial No. 51,714. In Germany December 4, 1934
3 Claims. (Cl. 204—9)

1. Process for producing nitrogen trichloride which comprises electrolyzing an aqueous solution containing ammonium and chloride ions in the presence of free acid which imparts to the solution an acidity greater than the acidity of solutions consisting of ammonium chloride dissolved in water, and removing nitrogen trichloride from the solution during its electrolysis.

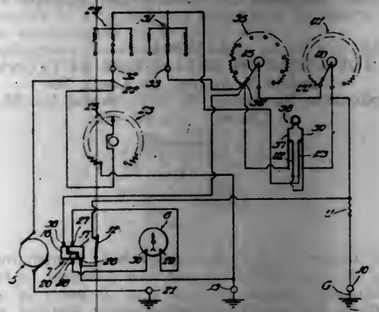
3. Process for producing nitrogen trichloride which comprises electrolyzing an aqueous solution containing ammonium chloride and at least ½ gram equivalent of free hydrochloric acid per gram molecule of dissolved ammonium chloride.

2,118,904
PROCESS FOR THE MANUFACTURE OF CHLORO-AMINES
Erich Staudt and Gerrit van der Lee, Deventer, Netherlands
No Drawing. Application November 26, 1935, Serial No. 51,715. In Germany December 4, 1934
9 Claims. (Cl. 204—9)

2. Process for producing a chloro-amine which comprises electrolyzing an aqueous solution containing ammonium and chloride ions having a pH which is not lower than 7.45 and maintaining such pH during the electrolysis.



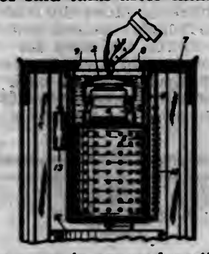
2,118,905
GROUND TESTING INSTRUMENT
Christopher D. Stewart, Ottawa, Ill., assignor to Edward S. Stewart and Christopher D. Stewart, Ottawa, Ill., partners, doing business as Stewart Brothers
Application December 17, 1936, Serial No. 116,315
5 Claims. (Cl. 175—183)



1. A testing instrument of the character described, comprising in combination an alternating current generator, a commutator driven by said generator, a direct current galvanometer connected across the output terminals of said commutator, three terminals adapted to be connected to ground, one of said terminals being connected to one output terminal of said generator, means connecting the other two terminals across the input side of said commutator, a fixed resistance, a variable resistance, circuit connections connecting said ground terminals and resistances in a Wheatstone bridge arrangement with said fixed resistance as one arm of the bridge having one end connected to the ungrounded side of the generator and the other end connected to one input terminal of the commutator, the ground resistance between the ground terminal connected to the generator and one of the other ground terminals being connected in series with said fixed resistance at the commutator end thereof, a portion of said variable resistance being connected in parallel with the fixed resistance between the ungrounded terminal of said generator and the other input side of the commutator, the ground resistance between the ground terminal connected to the generator and the third ground terminal being connected in series with the variable resistance whereby to complete the bridge.

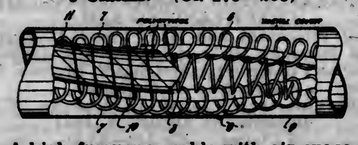
2,118,906
ADVERTISING DEMONSTRATOR
Harley A. Trexel, Flint, Mich.
Application May 1, 1935, Serial No. 19,154
6 Claims. (Cl. 35—49)

1. An advertising demonstrator device comprising an enclosure having an opening in the top wall, a tank of liquid depending beneath the opening, a base member slidable in said liquid tank, a miniature demonstrating cover having air tight side and top walls and an open bottom and adapted to rest on the top of said base member, said opening in the enclosure being of a size to permit said cover to pass therethrough, and counterbalancing means operably connected with said base member to move said base member and cover to the top of said tank after immersion and to



maintain the cover in exposed position above the liquid in the tank.

2,118,907
MULTICORE HIGH FREQUENCY CONDUCTOR
Franz Unterbusch and Emil Bodemann, Cologne-Mulheim, Germany, assignors to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany
Application June 23, 1936, Serial No. 86,853
In Germany July 2, 1935
3 Claims. (Cl. 173—265)



1. A high frequency cable with air-space insulation comprising a number of conductors, a helical insulating thread wound round each conductor, the said helical threads having each an inner diameter larger than the conductors they surround and being of such material as to keep their helical shape, additional helices which keep the helices carrying the conductors at a certain distance from one another and means for retaining all the said conductors together as a cable.

2,118,908
MUD MIXER AND EQUALIZER
William O. Vermillion, Hobbs, N. Mex., assignor, by direct and mesne assignments, of twenty per cent to James E. Vermillion, ten per cent to W. L. Wilson, seventeen and one-half per cent to Wiley Leo Conner, seven and one-half percent to C. B. Cochran, and two and one-half per cent to Herman C. Coppedge, all of Hobbs, N. Mex., and five per cent to Charles I. Vermillion, Lovelady, Tex.
Application August 1, 1936, Serial No. 93,915
1 Claim. (Cl. 259—96)

Apparatus for mixing and equalizing a mud bath for rotary oil well drilling comprising, a substantially horizontally disposed pipe forming a manifold adapted to be submerged below the mud level in a mud pit, spaced eyes disposed on the top side of the pipe near the ends thereof for receiving means to continuously raise and lower the pipe bodily during the mixing operation, a shaft rotatably mounted in the manifold between the eyes thereof and projecting vertically downward below the pipe, there being a connection between the manifold and the bleeder line of a pump, an elongated substantially rectangular spinner box rotatably mounted on said shaft and extending substantially parallel with

the manifold adjacent to and below the manifold, jet pipes projecting from the corners of the box and diverging outwardly from each other, substantially triangular shaped deflectors in the box adjacent to the jet pipes for starting the mud in the box toward the jet pipes and forming abutments against which back pressure in the box impinges to increase velocity of rotation of the box, vanes on the top of the box on opposite sides of the shaft forming agitators, and a hollow bearing disposed concentrically with respect to the shaft connected to the box and to the manifold, the connection of the bearing with the box being such as to permit the box to rotate on the bearing, said bearing forming a mud passageway from the manifold to the box, mud passing from the manifold along said deflectors toward and out of the jet pipes and thereby rotating the box on said shaft as an axis.



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2,118,909

**APPARATUS FOR MANIPULATING AIRCRAFT LANDING SAILS**

Rudolf Weichardt and Willy Freistadt, Bremen, and Johannes Hicke, Altona-Rissen, Germany, assignors to Krafft & Weichardt, Bremen, Germany, a corporation of Germany

Application August 23, 1935, Serial No. 37,560
In Germany August 27, 1934
5 Claims. (Cl. 114—43.5)



1. Apparatus for manipulating aircraft on ships comprising a landing sail, a supporting means on the deck of the ship in the form of a vertical pivot, a low crane-like carrier rotatably mounted and solely supported on said pivot and horizontally arranged on the deck of the ship so that it may be horizontally swung on its pivot from the deck of the ship over and at right angles to the side of the ship, a drum rotatably secured to the carrier and attached to the sail so that the sail may be rolled thereon, and a spar pivotally mounted at one end to a rigid support and the other end having means connecting it with the landing sail to hold the sail for towing and to submerge the sail for flooding.

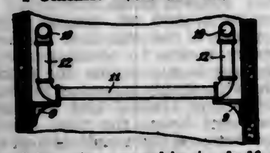
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2,118,910

**HOLLOW SHELF**

Carl White, Brooklyn, N. Y.

Application July 22, 1933, Serial No. 681,766
4 Claims. (Cl. 62—99)



1. In a refrigerator, a cabinet, shelf-supporting means, a cooling unit forming a horizontal shelf and carried by said shelf-supporting means, said cooling unit comprising a plurality of parallel ducts spaced sufficiently close together to retain small articles to be stored in said cabinet, said ducts continuing in a vertical plane on one or more walls of the cabinet in an upward direction from said shelf, and means connecting the ends of said ducts above the plane of the shelf to permit flow of fluid therethrough, the horizontal portion of said cooling unit occupying substantially the entire available horizontal area of said cabinet, said shelf supporting means engaging said cooling unit substantially in the plane of said parallel ducts for supporting said cooling unit from the walls of said cabinet.

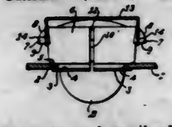
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2,118,911

**HOUSING FOR REFLECTOR BUTTONS**

Stephen S. Adams, St. Louis, Mo.

Application November 29, 1935, Serial No. 52,041
1 Claim. (Cl. 88—82)



A device of the class described, comprising a pair of complementary sections adapted to form a housing, means on one end of each of said sections for interlocking the same against outward movement with an opening in a sign face plate, a reflector button located in said housing and adapted to confine said housing in said sign plate, and a spring bar for securing the free ends of said housing sections against movement tending to free said housing sections from said opening in said sign face plate, said bar also engaging the back of the reflector button to hold it in said housing.

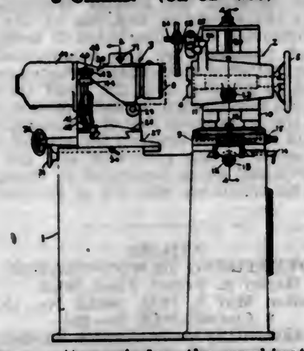
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2,118,912

**CUTTER GRINDER**

Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Application October 29, 1934, Serial No. 750,440
8 Claims. (Cl. 51—166)



2. In a cutter grinder, the combination of a base, a cutter spindle and a grinding wheel spindle each rotatably supported from said base for adjustment of the one spindle relative to the other, a grinding wheel fixed on said wheel spindle at the front end thereof, bearings for said wheel spindle including a front anti-friction bearing adjacent said grinding wheel and adapted to resist axial thrust of said spindle in the direction of the other end thereof and to resist lateral displacement of the front end thereof, a rear anti-friction bearing adjacent the other end of said spindle and adapted to resist lateral displacement of said other end, and an intermediate anti-friction bearing adapted to resist axial thrust of said spindle in the other direction and to resist lateral displacement of the spindle portions intermediate the ends thereof.



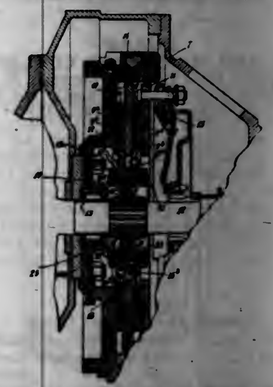
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2,118,913

**POWER TRANSMITTING MECHANISM**

Benjamin B. Bachman, Philadelphia, Pa., assignor to The Autocar Company, Ardmore, Pa., a corporation of Pennsylvania

Application November 24, 1934, Serial No. 754,571
2 Claims. (Cl. 192—69)



1. A clutch mechanism including a hub member and a friction plate mounted for relative and conjoint movement, an annulus rigid with said hub member and provided with a toothed periphery, a surrounding ring rigid with said plate formed with recesses into which the teeth of said annulus are entered, the width of said recesses being greater than that of said teeth, whereby said annulus and said ring may function to connect said hub member and said plate only in response to rotative movement of one or the other thereof, and means separate from said annulus and said ring permanently yieldably connecting said hub member and said plate, said latter means including concentric metallic members respectively positively connected to the hub member and plate, one of said concentric members embodying circumferentially spaced abutments, and a mass of elastic material interposed between said concentric members and united thereto and to said abutments by vulcanization, said abutments being surrounded by said elastic material and functioning to limit deformation thereof in the direction of torque effective upon said plate and hub member connecting media.

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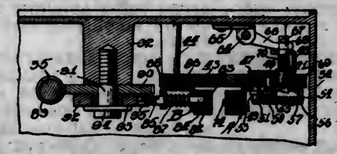
2,118,914

**ELECTRICAL CONTROL SYSTEM FOR FARE BOXES**

John W. Baur, Chicago, Ill., and Eugene A. Nahm, Baldwin, N. Y., assignors to Johnson Fare Box Company, Chicago, Ill., a corporation of New York

Application April 1, 1937, Serial No. 134,214
5 Claims. (Cl. 235—45)

1. An electrical control system for a fare box structure of the class described in which a lever controls the discharge of deposited tokens to the registering means, comprising an electrical circuit including a driving motor for said registering means and a switch, said switch comprising two movable switch members, means for normally holding said switch members apart including latch means for one of said members, means controlled by the operation of said lever for unlatching the latched member for relative movement of said switch members for closure of the circuit and operation of the motor, and means effective during operation of said motor for shifting the engaged switch members for relatching of the one member and for then releasing the other switch member for movement away from the latched member for opening of the circuit and stopping of the motor.



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2,118,915

**MANUFACTURE OF WAX ACIDS**

Richard James Buts and Robert Charles Cantelo, Whiting, Ind., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 30, 1936, Serial No. 103,367
3 Claims. (Cl. 260—116)

1. In the manufacture of wax acids, the improvement which comprises blowing air through paraffin wax of melting point approximating 130°–132° F. at a rate of 0.5–10 cubic feet per hour per pound of wax mixture while maintaining a temperature of 220°–250° F., stopping the oxidation before the acid number and saponification number of the wax mixture exceed 70 and 125, respectively, and separating the wax acids from the wax mixture.

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2,118,916

**TITANIUM-CONTAINING PIGMENTS**

Julius Drucker, Leverkusen-I. G. Werk, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application October 22, 1936, Serial No. 107,021. In Germany October 14, 1933
3 Claims. (Cl. 134—58)

1. The process of preparing titanium-containing pigments, which comprises hydrolyzing an aqueous solution containing a titanium salt at a temperature not exceeding the boiling point of the solution at atmospheric pressure and then heating the precipitated titanium-containing crude pigment in the presence of an aqueous solution containing a free strong acid to a temperature of between about 250 and about 370° C. under at least the pressure corresponding to the vapor pressure of the liquid at the temperature employed.

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2,118,917

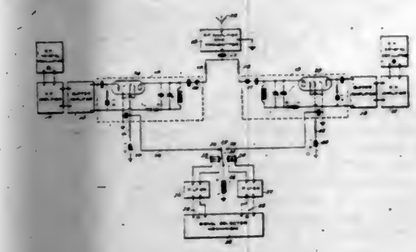
**DUAL TONE TELEGRAPHY SYSTEM**

William G. H. Finch, New York, N. Y.

Application September 3, 1936, Serial No. 99,208
5 Claims. (Cl. 178—66)

1. In a signalling system, means for producing alternate signal conditions to be transmitted; first and second oscillators arranged with inherent frequency stability to generate first and

second carrier currents having a predetermined low frequency difference; and means controlled by said signal conditions for transmitting said first carrier current during the occurrence of one signal condition and for transmitting said second carrier current during the occurrence of another signal condition comprising a first buffer amplifier stage having a grid electrode for amplifying said first current, and a second buffer amplifier stage having a grid electrode for amplifying said sec-



ond current, means associated with said grid electrode for normally blocking the transmission of said currents, and means for permitting the transmission of said first or second currents in accordance with the signal conditions said normal blocking means being effective to rapidly block the transmission of signal energy from each amplifier at the termination of each operative period thereof whereby substantially continuous carrier wave signalling is effected.

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2,118,918

**PURIFICATION OF PHTHALIC ANHYDRIDE**

Harold B. Foster, Williamsville, and Elton B. Punnett, Buffalo, N. Y., assignors to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application February 9, 1935, Serial No. 5,842

17 Claims. (Cl. 260—123)

1. A process for the purification of phthalic anhydride obtained by subjecting impure phthalic anhydride to a purifying treatment with a sulphuric anhydride purifying agent and containing sulfuric anhydride impurities which comprises subjecting said phthalic anhydride to the action under reaction conditions of a substance that reacts with sulfuric acid with formation of sulfur dioxide for a period of time at least sufficient to decompose said sulfuric anhydride impurities.

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2,118,919

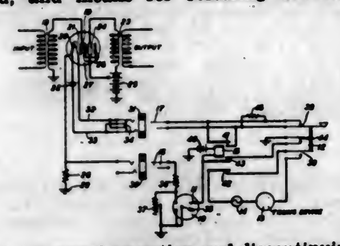
**TESTING ARRANGEMENT FOR ELECTRON DISCHARGE DEVICES AND METHODS OF OPERATING SAME**

Danforth K. Gannett, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 16, 1935, Serial No. 36,463

19 Claims. (Cl. 250—27)

1. A testing circuit for electronic discharge devices having a cathode, comprising an indicating means connected to said cathode, timing means associated with said indicating means, means for altering the heating source of said cathode to register the decay period of said cathode on said indicating means, means for initiating said timing means at the start of the decay period, and means for restoring the heating



source to normal operation and discontinuing the operation of said timing means.

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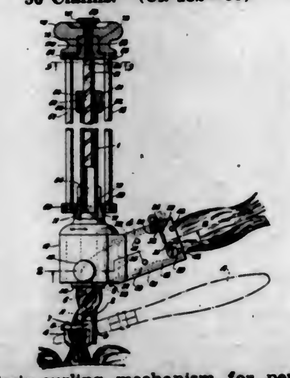
2,118,920

**METHOD AND MEANS FOR CURLING HAIR**

Virginio Jean Gentile, Summit, N. J.

Application July 12, 1930, Serial No. 467,530

56 Claims. (Cl. 132—33)



1. A hair-curling mechanism for permanent waving including in combination an exteriorly smooth mandrel, means slidably engaging a growing tress of hair and cooperating means for curling the tress about the mandrel in predetermined symmetrical form, conforming to a fixed mechanical configuration.

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2,118,921

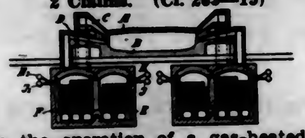
**METHOD OF CONTROLLING A GAS-HEATED METALLURGICAL FURNACE PROVIDED WITH REGENERATORS**

Johannes Haag, Neunkirchen, Germany

Application June 23, 1936, Serial No. 86,708

In Germany June 27, 1935

2 Claims. (Cl. 262—15)



1. In the operation of a gas-heated metallurgical furnace provided with regenerators heated by substantially completely combusted waste gases with the regenerators permanently connected to the furnace for cooperative simultaneous operation with the furnace and having checker work therein, the method consisting in regulating the temperature of the regenerator



chambers by burning fresh fuel within said regenerators to provide heat additional to the sensible heat of the waste gases.

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2,118,922

**ELECTRON DISCHARGE DEVICE**

Donald G. Haines, Bloomfield, and Kenneth G. Bucklin, East Orange, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application September 24, 1936, Serial No. 102,280

4 Claims. (Cl. 250—27.5)



1. An electron discharge device having an envelope containing a cathode and at least one grid and an anode forming the amplifier portion of the tube, and a second grid and a second anode forming the oscillator portion of the tube, said grids being concentric and each of said grids having a pair of oppositely disposed side rods, said side rods being aligned, said second anode being positioned between said grids, and comprising a member parallel to and in line with said side rods and having an extended surface transverse to a plane passing through said aligned side rods.

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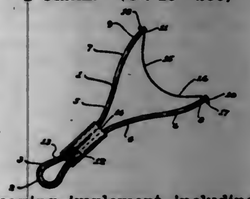
2,118,923

**ROLLING PIN SCRAPER**

Henry Hansen, Burlingame, Calif., assignor to Swift and Company, Chicago, Ill., a corporation of Illinois

Application August 21, 1936, Serial No. 97,159

1 Claim. (Cl. 15—236)



In a cleaning implement including a handle provided with two outwardly diverging prongs forming a fork, a scraping element comprising a slack, pliable wire secured at each of its ends to the ends of the prongs, the scraping element being adapted to readily conform to a convexly curved surface.

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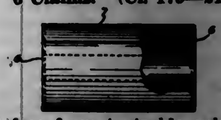
2,118,924

**COIL AND METHOD OF MAKING COILS**

Fred E. Henderson, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application November 14, 1935, Serial No. 49,700

6 Claims. (Cl. 175—21)



1. A coil free from ionizable substances comprising layers of convolutions of a conductor insulated with an insulating material free from ionizable substances, cellulose acetate sheet material interleaving said layers and projecting laterally therefrom, the projecting ends of the sheet material being mechanically compacted without mutual adhesion against the ends of the coil to form a mechanically crushed but non-united barrier at the coil ends to close the ends and retard the entry of ionizable substances into the coil.

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2,118,925

**DIPENTENE-MALEIC ANHYDRIDE REACTION PRODUCT AND PROCESS OF MAKING IT**

Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 8, 1934, Serial No. 756,703

9 Claims. (Cl. 260—123)

1. As a new resinous composition the product of the reaction of maleic anhydride and dipentene.

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2,118,926

**SYNTHETIC RESIN AND METHOD OF PRODUCING**

Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Refiled for abandoned application Serial No. 3,946, January 29, 1935. This application June 24, 1937, Serial No. 150,207

21 Claims. (Cl. 260—8)

1. A reaction product of a polyhydric alcohol and resin acids including dipentene-maleic anhydride, characterized by the fact that only a part of the hydroxyl groups of the polyhydric alcohol are combined with the dipentene-maleic anhydride.

5. A reaction product of a polyhydric alcohol, dipentene-maleic anhydride and an organic carboxylic acid.

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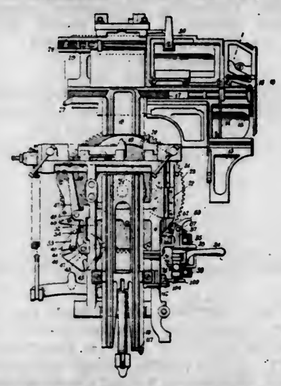
2,118,927

**SLUG CASTING MACHINE**

George Peyton Kingsbury, Hollis, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York

Application May 9, 1934, Serial No. 724,717

20 Claims. (Cl. 199—47)

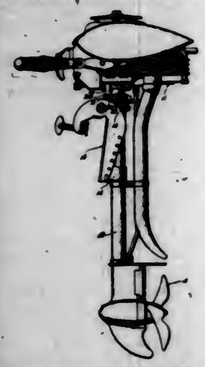


1. In a slug casting machine, the combination of means for casting a slug during a machine cycle of operation, and a selector associated with said machine and adapted when in one position to automatically inaugurate a predetermined

number of machine cycles of operation and when in another position to automatically inaugurate a different predetermined number of machine cycles of operation.

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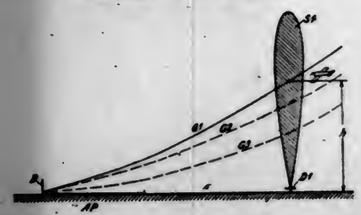
2,118,928
**OUTBOARD MOTOR**
William L. Kissel, Hartford, Wis., assignor to B. M. Kissel, doing business as Kissel Industries, Hartford, Wis.
Application September 21, 1936, Serial No. 101,764
3 Claims. (Cl. 115—18)



1. An outboard motor comprising, in combination, a motor unit, a drive shaft casing depending from said motor unit, a boat-attaching bracket having a bearing in which said drive shaft casing is journaled for steering, a cam element and a coacting roller element, said elements being respectively associated with said bearing and said drive shaft casing, said cam element being shaped to cause the drive shaft casing to rise when turned to either side of its straight-ahead position.

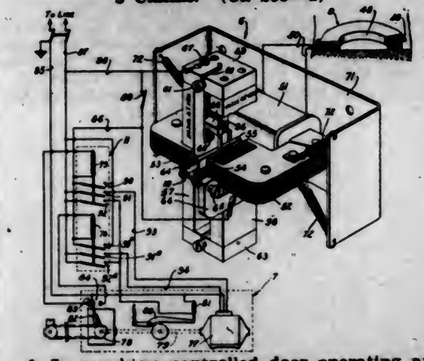
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2,118,929
**SLIP-WAY BEACON**
Ernst Kramar, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a German company
Application March 7, 1935, Serial No. 9,868
In Germany March 1, 1934
3 Claims. (Cl. 250—11)



1. In a slip-way beacon wherein the point at which the descent for landing should be commenced along a gliding path is indicated to the aircraft by an additional signal transmitted by wireless, the method of aiding the landing of aircraft which comprises transmitting vertically polarised radiations for the gliding path and transmitting horizontally polarised radiations for the additional signal in a plane normal to the direction of landing of said aircraft.

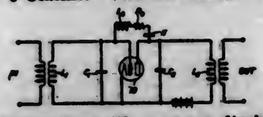
2,118,930
**ELECTRICAL CLOSURE CONTROL SYSTEM**
Edgar D. Lilja, Rockford, Ill., assignor to Howard D. Colman, Rockford, Ill.
Application November 16, 1935, Serial No. 50,192
5 Claims. (Cl. 268—1)



1. In a vehicle controlled door operating apparatus of the electromagnetic energy transfer type for effecting the opening of a door or similar closure from a signalling mechanism carried by a moving vehicle and operative while the vehicle is in motion or without accurately timing the actuation of the signal mechanism with the progress of the vehicle, the combination of, cooperating transmitting and receiving coils disposed respectively on the lower portion of the vehicle and at a point in the path traversed thereby, transmitting means on the vehicle for exciting said transmitting coil with a low frequency interrupted current of a preselected fixed frequency, means operable at will for rendering said transmitting means continuously operative for a relatively long cycle of operation; a closure operating mechanism, and receiver means connected to said receiving coil for initiating the operation of said closure mechanism in response to the electromagnetic induction in said receiving coil of a voltage of predetermined minimum value and of a predetermined frequency corresponding to said fixed frequency for even a small portion of said cycle of operation of said transmitting means as said transmitting coil passes over said receiving coil.

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2,118,931
**SPACE DISCHARGE TUBE CIRCUIT**
Frederick B. Llewellyn, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1936, Serial No. 104,193
6 Claims. (Cl. 179—171)



1. In combination with a space discharge device having a cathode, a grid and a plate and exhibiting inherent grid-to-plate coupling having capacity reactance and negative resistance components, a system for compensating said inherent coupling, said system being coupled between the plate and grid circuits and including reactance to compensate the reactance component of the inherent coupling and an element to compensate the negative resistance component of the inherent coupling.

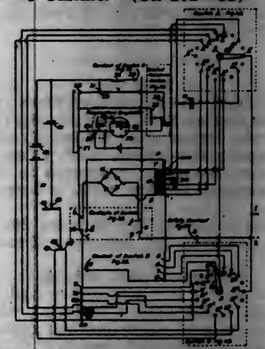


2,118,932
**LIQUID FOR TREATING LEATHER, PARTICULARLY SHOES**
Vincent Paul Lollmann, New York, N. Y.
No Drawing. Application December 24, 1936, Serial No. 117,520
4 Claims. (Cl. 134—7)

1. A clear transparent colorless liquid for cleaning, softening and polishing tan or black leather shoes or other leather products, said liquid comprising the supernatant liquid from a mixture of lemon juice, oil of wintergreen and benzine in a proportion by volume lying between 1, 1, and 2 parts respectively, at one extreme, and 2, 1 and 29 parts respectively at the other extreme.

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2,118,933
**MULTIRANGE ELECTRICAL MEASURING INSTRUMENT**
Hugh Sutherland Macaulie, Westminster, London, England
Application May 17, 1937, Serial No. 142,903
In Great Britain May 12, 1936
8 Claims. (Cl. 171—95)



7. In combination with an electrical instrument for making measurements by means of a single moving coil direct current meter, means for shunting away from the meter current in excess of that required to give full scale deflection to the meter, said means comprising an adjustable graded resistance having at least two serially related expanding portions, means for connecting said resistance in shunt with said meter, contact means adapted to wipe over said graded resistance and means for bringing said wiping means in operative position with respect to said graded resistance.

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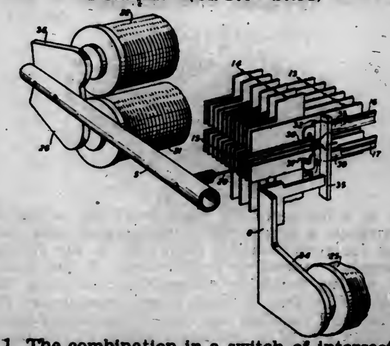
2,118,934
**ARTIFICIAL TOOTH**
Rudolf Madaar, Vienna, Austria
Application April 11, 1935, Serial No. 15,810
In Austria June 14, 1934
1 Claim. (Cl. 32—12)



As a new article of manufacture, a factory made artificial tooth adapted to be secured to a tooth stump by means of cement, said tooth comprising a porcelain exterior, a tubular metallic socket contained wholly within said porcelain exterior and a metallic loop of greater diameter than, and positioned at the upper end of, said socket, said loop interlocking with a portion of the porcelain of said porcelain exterior and adapted to receive a quantity of cement used in applying the artificial tooth to a tooth stump, whereby said exterior and socket are anchored to each other and said socket is adapted to be anchored to said stump.

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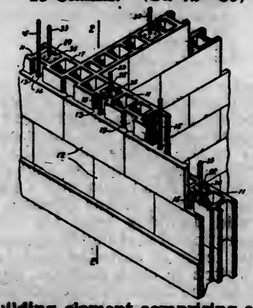
2,118,935
**SWITCH MECHANISM**
Arthur C. Magrath, New Dorp, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 6, 1936, Serial No. 94,539
4 Claims. (Cl. 179—27.54)



1. The combination in a switch of intersecting rows of separately operable contact sets, contact operating springs individual respectively to said contact sets, selecting bars having selecting fingers thereon individual to the several contact sets and projecting into proximity with the corresponding operating springs, means for actuating one of said selecting bars to move a finger into operative position with respect to the associated operating spring, holding bars, means for actuating one of said holding bars to engage and move the positioned selecting finger and the associated operating spring to close the associated contact set, and a cam-shaped projection on each of said operating springs for guiding the corresponding finger into its correct operative position with respect to such operating spring.

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2,118,936
**WALL STRUCTURE**
Andrew Malinovsky, South Gate, Calif.
Application September 7, 1937, Serial No. 162,618
15 Claims. (Cl. 72—30)

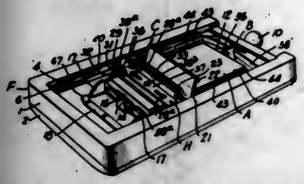


1. A building element comprising a block generally rectangular in shape having top and bottom plane surfaces and vertically disposed flues,

and having two vertical lugs extending from top to bottom at each end of the block adapted to form with the two similar abutting lugs of another similar element a vertically disposed flue at each end of the element, the front one of said lugs being disposed rearwardly from the front surface of said block to form on the front wall a vertical channel with the similar lug of another similar abutting block.

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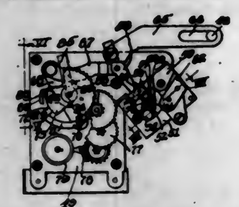
2,118,937
**RAZOR BLADE SHARPENER**
Gahlbeth H. Murrin, Pasadena, Calif.
Application July 3, 1937, Serial No. 151,875
10 Claims. (Cl. 51—153)



3. In a device of the class described, a frame; a carriage; a blade holder mounted on said carriage for reciprocation therewith in the frame; a member extending transversely of the frame and having yieldable extremities rendering the blade holder free to move thereacross in one direction and coacting with the blade holder when reversely moved to initiate reversal of the blade holder; cam elements on the frame engageable by the blade holder to complete its reversal relative to the carriage; and an abrader supported by the frame in operative relation to the blade holder.

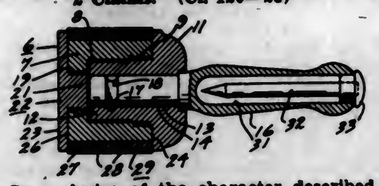
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2,118,938
**ELECTRICAL CONTROL MEANS FOR FARE BOXES**
Eugene A. Nahm, Baldwin, N. Y., and Henry Van Zuilen, Chicago, Ill., assignors to Johnson Fare Box Company, Chicago, Ill., a corporation of New York
Application April 1, 1937, Serial No. 134,218
2 Claims. (Cl. 235—45)



1. Electrical control means for a fare box and register structure of the class described in which a dumping lever controls the discharge of deposited coins to the registering means, comprising an electric driving motor for said registering means, a circuit for said motor and a snap switch controlling said circuit, means effective upon actuation of said dumping lever for closing said switch for operation of said motor, a spring wound up when said lever is actuated and tending to return said switch to open position, and a clock train driven by the force of said spring and effective for a predetermined time period to retard opening of said switch and thereafter to permit quick opening of the switch by the spring.

2,118,939
**ROLLER BLOTTER**
James P. Owen, Nashville, Tenn.
Application January 23, 1937, Serial No. 121,953
2 Claims. (Cl. 120—26)



2. In a device of the character described, a roller having a cylindrical body portion, a top portion detachably mounted on one end of said body portion and extending transversely beyond it, a handle journaled for rotation in said top portion and projecting axially therefrom, a bottom portion detachably mounted on the other end of said body portion and extending transversely beyond it, and a blotter mounted on said body portion and held in position between the top portion and the body portion.

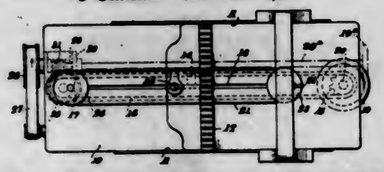
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2,118,940
**DESTRUCTIVE HYDROGENATION OF DISTILLABLE CARBONACEOUS MATERIAL**
Mathias Pier, Heidelberg, Walter Kroenig, Ludwigshafen-on-the-Rhine, and Ernst Donath, Mannheim, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware
No Drawing. Application January 29, 1936, Serial No. 61,369. In Germany December 28, 1931
2 Claims. (Cl. 196—53)

1. A process for the destructive hydrogenation of distillable carbonaceous material, which comprises treating said carbonaceous material at a temperature between 250° and 700° C. and under a pressure above 20 atmospheres with a gas comprising hydrogen and in the presence of an added catalyst which as its essential constituents comprises an organic chlorine compound and a halide of sulphur.

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2,118,941
**GAUGE FEEDING MEANS FOR CUTTING MACHINES**
George M. Porter, Brooklyn, N. Y.
Application August 15, 1936, Serial No. 96,184
6 Claims. (Cl. 164—59)



1. In combination with a machine having a table and a knife, a member adapted to move and to position a stack on said table in relation to said knife, power operated means for moving said member to an approximate position, manual means for moving said member from the approximate position to an exact position, said power operated means including a driven shaft, a worm rotatable with and slidably mounted on said shaft and means for limiting the slidable movement of said worm.



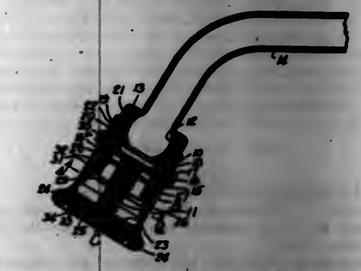
2,118,942
**DOOR**
Arthur T. Prescott, East Orange, N. J., assignor to Ralph E. Ogden, Mountainville, N. Y.
Application July 13, 1932, Serial No. 622,172
26 Claims. (Cl. 20—19)



1. A door comprising an upper section, links connecting the edges thereof to fixed points above said section, an intermediate section arranged to slide on the upper section to overlie the same and to be swung by said links with the upper section in opening and closing, struts extending downwardly from the edges of said intermediate section, an independent barrier section to close the space between said struts, means for causing the sliding movement of the intermediate section in closing to lock the barrier section to itself, and manual means for releasing said lock.

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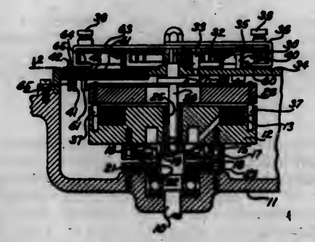
2,118,943
**SHOWER HEAD**
Emil Price and William A. Pfister, Los Angeles, Calif.
Application November 14, 1936, Serial No. 110,889
4 Claims. (Cl. 299—141)



1. A shower head comprising a water intake section; a water discharge section telescopically receiving said intake section and axially adjustable thereon; said discharge section having an internal annular wall defining an outlet and provided with circumferentially spaced grooves; a control member supported by said intake section and having a disk portion adapted to co-act with said internal annular wall by closing said outlet in one extreme position of axial adjustment of said discharge section for the discharge of water jets from said grooves to produce a needle shower; and a packing member carried by said intake section for expansion by pressure of water in said discharge section into engagement therewith, so as to seal the joint between the sections and set up sufficient friction therebetween to retain the discharge section in a selected position of axial adjustment on the intake section.

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2,118,944
**CONTROL MECHANISM**
Chester Arthur Purdy, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original application June 22, 1929, Serial No. 372,818, now Patent No. 1,963,381. Divided and this application March 13, 1934, Serial No. 715,382
5 Claims. (Cl. 192—142)



1. A control mechanism comprising a movable control member, means for moving said member, said means being capable of assuming two conditions, one in which it is effective for moving said member and the other in which it is ineffective for moving said member, an electrical circuit controlled by said member, and means including a one-revolution clutch controlled by said circuit for controlling said member moving means.

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2,118,945
**MIXED POLYMERIZATION PRODUCTS**
Walter Reppe, Ludwigshafen-on-the-Rhine, Werner Starck, Hofheim (Taunus), and Arthur Voss, Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 3, 1938, Serial No. 183,118. In Germany February 29, 1932
8 Claims. (Cl. 260—2)

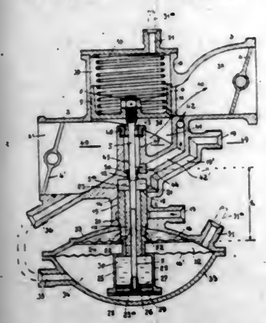
1. The process of producing interpolymerization products which comprises polymerizing a mixture essentially comprising a vinyl ester of an aliphatic carboxylic acid containing from 5 to 6 carbon atoms and vinyl chloride.

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2,118,946
**MIXED POLYMERIZATION PRODUCTS**
Walter Reppe, Ludwigshafen-on-the-Rhine, Werner Starck, Hofheim (Taunus), and Arthur Voss, Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 3, 1938, Serial No. 183,119. In Germany March 5, 1932
8 Claims. (Cl. 260—2)

1. The process of producing interpolymerization products which comprises polymerizing a mixture essentially comprising a vinyl ester of an aliphatic carboxylic acid containing from 5 to 6 carbon atoms and an ester of an acid of the group consisting of acrylic acid and its homologues.

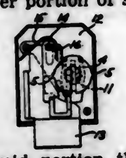
**2,118,947**
**CARBURETOR**
**Emil Schimanek, Muegyetem, Budapest, Hungary**
**Application January 31, 1935, Serial No. 4,253**
**In France February 1, 1934**
**10 Claims. (Cl. 261—48)**



5. A carburetor comprising a main casing having an air inlet, a fuel inlet, a fuel chamber, a mixing chamber and a passage from said mixing chamber to the engine, an auxiliary casing fixed to the bottom of the main casing, mechanism for regulating the flow of fuel to the mixing chamber including a movable tubular member having openings adapted to align with the fuel inlet, a pair of pressure responsive diaphragms fixed to said tubular member at spaced intervals for dividing said auxiliary casing into upper, lower and intermediate compartments, one of said diaphragms having a larger pressure surface than the other diaphragm, said upper compartment being in communication with the fuel chamber, said intermediate compartment being in communication with the engine passage and said lower compartment being in communication with the air inlet, mechanism for partially regulating the flow of air and fuel to the engine passage including a chamber disposed between the air inlet and engine passage and being in constant communication with said passage, a piston movable in said latter chamber and normally closing communication between the air inlet and engine passage, a spring loaded on said piston to keep it in normal position, a stem depending from said piston and extending into the air chamber below the larger diaphragm and adapted to curtail the flow of fuel to the mixing chamber, a chamber formed in the lower end of the movable tubular member and being in communication with the fuel chamber, a piston on the lower end of said stem and movable in said last named chamber against the fluid pressure for damping the movement of the first piston.

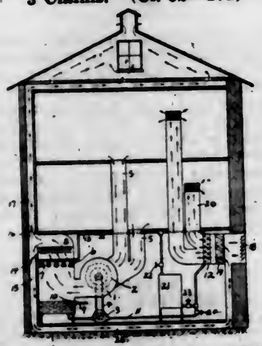
**2,118,948**
**LOCK CENTER AND METHOD OF FORMING IT**
**Andrew L. Schuyler, La Grange, Richard B. Knoth, Chicago, and Allan R. MacLagan, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York**
**Application June 14, 1935, Serial No. 26,597**
**6 Claims. (Cl. 29—148)**

2. The method of forming a barrel or center for a rotor center tumbler type lock which comprises punching a blank from sheet metal stock to a predetermined irregular configuration, embossing a bearing surface on the upper portion of said blank, slotting the upper portion of said blank, slotting the lower and mid portions of said blank, bending the upper portion of said blank at right angles to the mid portion thereof, bending the lower portion of said blank at right



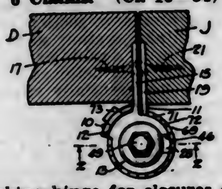
angles to the mid portion thereof and into a plane parallel with said upper portion, bending the sides of the mid portion at right angles to the remainder of the mid portion to form a pair of parallel side walls for receiving a key, and milling the sides of the mid portion.

**2,118,949**
**PROCESS OF COOLING AND VENTILATING**
**Lewis L. Scott, St. Louis, Mo.**
**Application February 15, 1935, Serial No. 6,632**
**3 Claims. (Cl. 62—171)**



1. The process of cooling and ventilating a room which comprises causing air to be moved through the room, passing said air through a water spray to evaporate water thereby lowering the temperature of said air and the water spray, passing said cooled air through ducts adjacent said room so as to extract heat from the room, collecting the water from the spray and conducting it through a cooling coil located in the path of air going to said room to be cooled.

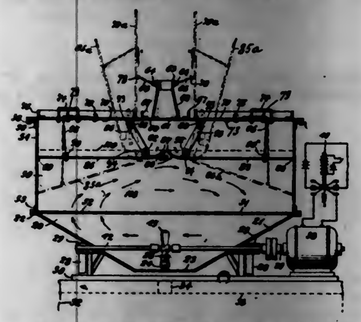
**2,118,950**
**CLOSURE CONTROLLING DEVICE**
**Benjamin F. Stannard, Los Angeles, Calif., assignor of forty percent to A. B. Leavelle, Los Angeles, Calif.**
**Application May 20, 1936, Serial No. 80,813**
**6 Claims. (Cl. 16—54)**



1. A checking hinge for closures comprising a pair of hingedly connected hinge members one of which is provided with a casing having a bore at least a portion of which is non-circular, and defining a fluid containing chamber; an actuating shaft in the chamber, fixed to hingedly move with the other of said members and disposed in coaxial relationship to the axis of the hinged connection between the hinge members; a member mounted on the shaft and confined by said non-circular portion of the bore against rotation with the shaft; spring means in said chamber operatively associated with said member; means on the shaft and said member co-acting to feed the latter in one direction axially of the chamber and load said spring means in response to relative hinging movement of the hinge members in one direction; and a valve plate snugly fitting said non-circular portion of the bore and mounted on said member for a limited movement relative thereto to occupy an open or closed position according as said member is fed axially in one direction or the other; and means defining a by-pass duct in the casing through which fluid can circulate in the chamber from one side of the valve plate to the other.



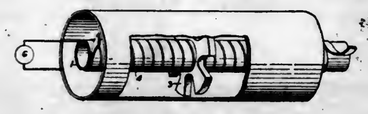
**2,118,951**
**DYEING APPARATUS**
**Ernest A. Stienen, New York, N. Y.**
**Application November 19, 1936, Serial No. 111,593**
**5 Claims. (Cl. 8—19)**



1. In a dyeing apparatus the combination of an operating tank for objects to be dyed, covers suspended in said tank, means to locate said covers in different positions and means to automatically force the opposite outer ends of the covers against the adjacent face portion of the operating tank.

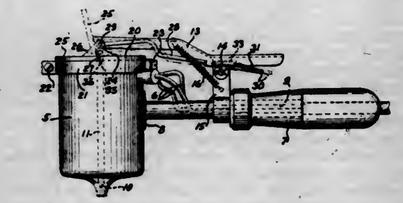
**2,118,953**
**LOADED TRANSMISSION LINE**
**Maurice E. Strieby, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Original application December 31, 1931, Serial No. 584,645, now Patent No. 2,029,041, dated January 28, 1936. Divided and this application December 4, 1935, Serial No. 52,911**
**6 Claims. (Cl. 178—45)**

1. In a high frequency carrier telephone signaling system, a transmission circuit consisting of a hollow outer conductor and a central conductor connected one as a return for the other, said conductors being separated by a dielectric that is essentially gaseous, means for applying to said circuit for transmission thereover a multiplicity of closely-spaced bands of carrier wave signals occupying a frequency range extending to at least several hundred thousand cycles per second, and magnetic material disposed in the field between said conductors in such manner as to increase the effective series inductance of



said circuit and reduce the attenuation of waves of maximum frequency.

**2,118,953**
**CONTAINER**
**Henry J. Thielker, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York**
**Application November 18, 1936, Serial No. 111,381**
**6 Claims. (Cl. 221—15)**

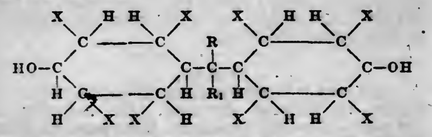


1. In a dispensing container having a spout, a plunger for normally closing the spout, a handle for supporting the container, a lever mounted on the handle for controlling movement of the plunger, a cover pivoted on the container, and a lever mounted on the handle for opening the cover.

**2,118,954**
**HYDROGENATION OF PHENOL-KETONE CONDENSATION PRODUCTS**
**Raymond E. Thomas, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**No Drawing. Application March 19, 1936, Serial No. 69,667**
**16 Claims. (Cl. 260—153)**

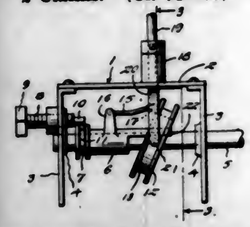
1. A process for catalytically hydrogenating phenol-ketone condensation products which comprises reacting the phenol-ketone condensation product, dissolved in an organic solvent, with hydrogen in the presence of a hydrogenating catalyst at a temperature within the range of 175 to 250° C. and at elevated pressures.

13. As a new composition the hydrogenated phenol-ketone condensation product, boiling above 170° C./2 mm. and corresponding to the general formula



wherein R and $R_1$ are selected from the group consisting of like and unlike alkyl groups, and wherein X is selected from the group consisting of hydrogen and hydrocarbon radicals.

2,118,955
**POWER TRANSLATING MECHANISM**
Carl R. Vick, Decorah, Iowa
Application March 14, 1935, Serial No. 11,128
2 Claims. (Cl. 74—70)



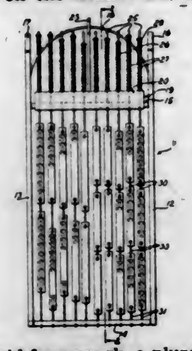
1. A power translating mechanism, comprising a drive shaft, a driven shaft in angular relation therewith, a wheel having the drive shaft passing through its axial center, a pivot pin passing transversely through the drive shaft and connected at its ends with opposite sides of the wheel whereby oscillation of the wheel on the shaft is permitted, the wheel having a circumferential peripheral groove, a fork connected with said driven shaft and receiving said wheel between its ends, members carried by the ends of the fork disposed in said groove of the wheel permitting the rotation of the wheel in the fork, a sleeve mounted upon the drive shaft and having longitudinal movement thereon and having an integral semi-cylindrical end extension extending across and engaging the pivot pin whereby the pin effects rotation of the sleeve with the drive shaft, a circumferentially grooved collar integral with the other end of the sleeve, a post formed integral with the sleeve and projecting radially therefrom, a relatively long link pivotally coupling the outer end of said post with the wheel adjacent the periphery of the latter whereby oscillation of the wheel may be effected to the point of bringing the periphery thereof in contact with said sleeve, a shifting fork engaged in the groove of said collar, and means free of connection with the drive shaft but movable in a path extending longitudinally thereof for effecting the shifting of the last mentioned fork and the oscillation of the wheel.

2,118,956
**METHOD OF CHROMIUM PLATING**
Arthur M. Wagner, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application January 7, 1936, Serial No. 57,922
4 Claims. (Cl. 204—1)

1. A method of chromium plating on a chromium surface which comprises placing the article to be plated in a bath consisting essentially of a solution of an alkaline compound, passing a current through the solution with the article as a cathode, immersing the article in an acid solution of the group consisting of hydrochloric and sulphuric acids until a black smut is formed on the surface of the article, and electroplating the article in a chromic acid bath.

2,118,957
**ARTICLE SUPPORTING APPARATUS**
Arthur M. Wagner, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 27, 1936, Serial No. 87,671
1 Claim. (Cl. 204—5)

An article supporting apparatus comprising a framework, a cross member on said framework, a handle extending from said framework, a spring supporting bracket removably positioned on said cross member, a U-shaped member carried by said bracket for engaging said handle to position said bracket on the framework, a second cross



member on said framework, a plurality of springs mounted on said bracket, and a rod individual to each spring and normally urged away from said cross members by its associated spring for supporting a plurality of interconnected articles under tension between said cross members.

2,118,958
**BATHING SUIT**
David Watinsky, Mount Vernon, N. Y.
Application February 16, 1937, Serial No. 126,042
1 Claim. (Cl. 2—67)



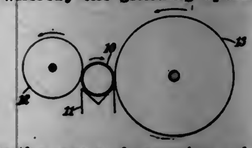
A sleeveless bathing suit including an outer garment comprised of a waist portion having arm-holes and a neck opening integrally formed with a skirt portion, and a placket extending downwardly at least as far as the hip line of the suit from one of said openings, said placket being provided with fastening devices, an inner garment comprised of a similar waist portion having shorts formed integrally therewith, means securing said waist portions together along said arm-holes and neck openings, and a slit formed in said inner garment having its edges coincident with the edges of said placket but unattached thereto whereby said inner garment may hang freely from said arm-holes and neck openings.

2,118,959
**MANUFACTURE OF CYLINDRICAL OBJECTS**
Frederick William Whitehead and William Thomas Goodby, Bristol, England, assignors to The Bristol Aeroplane Company Limited, Gloucester, England, a British company
Application November 22, 1937, Serial No. 175,962
In Great Britain February 26, 1936
2 Claims. (Cl. 51—278)

1. The herein-described method of restoring

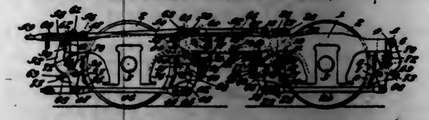


to circularity a hollow cylindrical object which has been deformed by a case-hardening treatment, which consists in operating upon it in a centreless grinding machine of which the working wheel is a burnishing wheel of very fine abrasive, grinding the external case of said object by said burnishing wheel to remove an amount of material from the object less than the thickness of the case whereby the grinding operation does



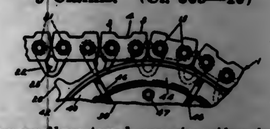
not perforate the case and removing only such an amount of material from the external part of the case which is less than the amount which would have to be removed to restore the object to circularity by mere removal of material, and operating by pressure of said burnishing wheel through said case upon the body of metal in the object below the case for forcing such body and the case at points of protuberance back into a condition of circularity.

2,118,960
**ADJUSTABLE STOP FOR BRAKE HEADS**
Harry S. Whitford, Fountain Hill, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Original application October 22, 1936, Serial No. 106,948. Divided and this application April 2, 1937, Serial No. 134,496
14 Claims. (Cl. 188—206)



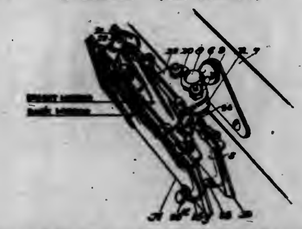
1. In a railway brake, a truck frame for supporting the brake, wheels for supporting the truck frame, a truck lever pivoted to the truck frame, a brake head pivotally connected to the truck lever, a contact projection having an inclined top surface extending from the intermediate portion of the brake head, a stop attached to the truck frame adjacent to the brake head adapted to engage the inclined top surface of the contact projection and limit the movement of the brake head when the brake is released, and means for setting and releasing the brake.

2,118,961
**ENDLESS TRACK FOR HALF-TRACK TRACTORS**
Herbert W. Alden, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application March 20, 1934, Serial No. 716,547
9 Claims. (Cl. 305—10)



1. In an endless track construction in sub-combination, a tread element adapted to form a part of an articulated track, comprising a pair of parallelly disposed, longitudinally spaced sleeve members; means for connecting said sleeve members together in spaced relationship and operable to prevent them from moving away from each other; and a body of resilient material surrounding the outer cylindrical surfaces of said sleeve members and completely enveloping said means.

2,118,962
**ATTACHMENT FOR AUTOMOBILE MIRRORS**
Edward T. Barron, Minneapolis, Minn.
Application October 5, 1936, Serial No. 104,143
1 Claim. (Cl. 88—77)

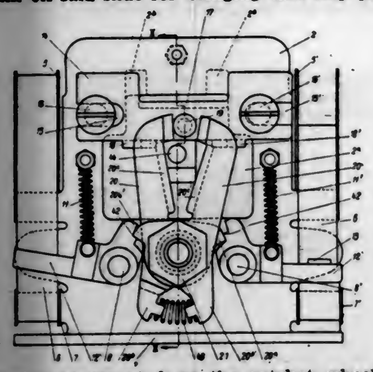


The combination of an automobile mirror for daylight driving, means for supporting the mirror in a fixed position, an auxiliary mirror for night driving adapted to be moved in front of the daylight mirror or away from the same, means for hingedly connecting the mirrors together including pairs of adjustable members for each mirror, said members having means engaging over an edge of the mirror, means for clamping pairs of the members on to the mirrors, one member of each of the pairs on one mirror being provided with a section of a hinge, a similar member of each of the pairs on the other mirror having a complementary hinge section, means for pivotally connecting the associated hinge sections together, one of the members of a pair on the daylight mirror having a projection adapted to engage the free edge of the auxiliary mirror for retaining said mirror in an operating position, one of the members of a pair on the daylight mirror having an extension projecting outwardly therefrom, the extension having a depression for receiving the free edge of the auxiliary mirror for latching said mirror in an operative position, the extension having a cam surface for flexing the extension away from its latching position when the auxiliary mirror is moved away from the daylight mirror.

2,118,963
**RIBBON FEED MECHANISM**
Biagio Beria, Turin, Italy
Application April 7, 1937, Serial No. 135,576
In Italy April 10, 1936
7 Claims. (Cl. 197—165)

7. A ribbon feed mechanism having two spools for the ends of the ribbon and a displaceable slide, comprising for each spool, in combination, a ratchet wheel coupled for rotation with the spool, a pawl for driving said ratchet wheel, a support for said driving pawl, means for imparting a reciprocatory movement to said support, a stop for said driving pawl to bring it out of engagement from the ratchet wheel at the end of its operative stroke, a second stop for the driving pawl to bring it into engagement with the ratchet wheel at the end of its return stroke, said second stop being mounted on said slide in such manner as to come into and out of operative position by the effect of the displacements of the slide, a spring latch between said driving pawl and its

support for retaining the driving pawl in engaged and disengaged position, a stop pawl for said ratchet wheel, a spring for bringing said stop pawl into engagement with the ratchet wheel, a cam on said slide for bringing said stop pawl



out of engagement from the ratchet wheel, a spring actuated lever for displacing said slide, a ribbon controlled latch for retaining said lever in inoperative position, and a restoring member for said lever coupled with said pawl supports.

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2,118,964

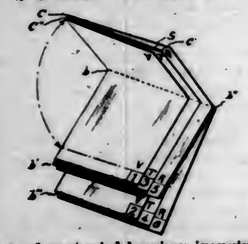
**MAP, TIMETABLE, AND THE LIKE**

Claud Bonnaire, London, England

Application April 26, 1934, Serial No. 722,583

In Germany November 13, 1933

2 Claims. (Cl. 281—5)



1. A sheet of material having imprinted thereon a diagrammatic representation such as a map, which is folded into a number of sections along substantially parallel lines at a progressively increasing distance from each other, the edges on one side of the folds registering with each other and folded again into a number of sections along substantially parallel lines but transverse to the first set of parallel lines, whereby sections with successively exposed edges parallel to each set of fold lines are formed.

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2,118,965

**DEVICE FOR INTERRUPTING AND RECONTINUING THE PRINTING OPERATION OF CYLINDER PRINTING PRESSES**

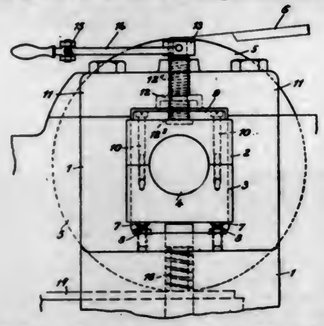
Artur Büttner, Heidelberg, Germany, assignor to Druckmaschinen Aktiengesellschaft, Glarus, Switzerland

Application May 9, 1935, Serial No. 20,660

In Germany May 29, 1934

3 Claims. (Cl. 101—247)

1. A device for interrupting and re-continuing the printing operation in cylinder printing presses, comprising, in combination, with the impression cylinder, the bearings supporting it, adjustable supporting screws for said bearings and an upper adjusting screw for each bearing, said upper adjusting screws being connected to said bearings and each upper adjusting screw having a right-hand thread and a left-hand thread, one



of said threads engaging the frame of the machine and the other thread engaging the bearing of the cylinder, said upper adjusting screws being adapted to lift and lower said bearings positively and to press the latter against the lower supporting screws, and means for simultaneously turning said upper adjusting screws.

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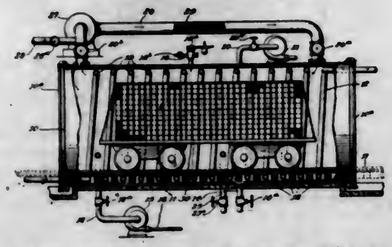
2,118,966

**WOOD TREATING PROCESS**

Joseph B. Card, Highland Park, Ill., assignor to Illinois Dry Kiln Company

Application October 20, 1932, Serial No. 638,713

2 Claims. (Cl. 21—24)



1. The process of producing seasoned and preservative-impregnated timber from green or partially seasoned timber, which comprises placing said timber within an enclosure, subjecting said timber to a gaseous pressure of from 50 to 60 lbs. per sq. in. gauge, introducing hot creosote into said enclosure without release of said pressure and gradually raising the temperature of said creosote to substantially the vapor point of the moisture contained in said timber, maintaining said temperature, then drawing off said creosote and releasing said gaseous pressure, then circulating a humid atmosphere having a temperature not exceeding 220 degrees F. and at a pressure in excess of 10 lbs. per sq. in. absolute through said enclosure until moisture is removed from said timber to the desired degree, then introducing hot creosote under pressure until said timber is immersed, heating said creosote to a temperature of 190 to 200° F., and maintaining said temperature and pressure, and finally relieving the pressure and drawing off said creosote.



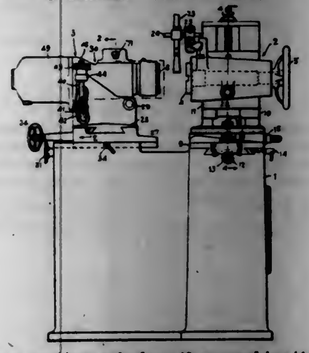
2,118,967

**CUTTER GRINDER**

Frank W. Curtis, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis.

Application October 17, 1934, Serial No. 748,630

5 Claims. (Cl. 51—125)



1. In a cutter grinder, the combination of a base, a grinding wheel spindle and a cutter spindle each rotatably supported from said base, and wheel spindle support means including a first support slidably supported from said base for movement toward and from said cutter spindle, a second support slidably supported from said base for reciprocatory movement in a path transverse to the path of movement of said first support and a third support pivoted for movement about a horizontal axis transverse to the axis of said wheel spindle, said wheel spindle being journaled in said third support and adjustable about said axis to various positions including a substantially horizontal position, and power means for driving said wheel spindle including a primary motion motor device providing a rotor fixed with said wheel spindle and a stator fixed with said third support.

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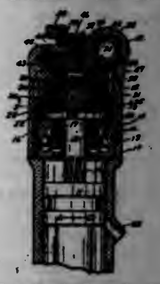
2,118,968

**ROTATION MECHANISM**

John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio

Application August 12, 1936, Serial No. 95,563

2 Claims. (Cl. 121—7)



1. In a fluid actuated rock drill, the combination of a housing, a reciprocatory hammer in the housing, a rotatable rifle bar operatively associated with said hammer, teeth on said bar, a plurality of non-rotatable elements engageable with the teeth on said bar for locking the bar against rotation for effecting the rotation of said hammer, and a single fluid actuated member engageable with all of said elements for concurrently lifting and holding the same out of engagement with the teeth of said bar for allowing the bar to rotate instead of the hammer during the reciprocation of the latter.

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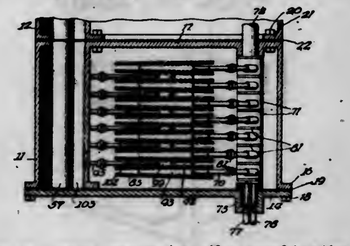
2,118,969

**ELECTRIC OZONE GENERATOR**

James Marlowe Daily, Chicago, Ill., assignor to American Ozone Company, Chicago, Ill., a corporation of Illinois

Application May 12, 1934, Serial No. 725,278

8 Claims. (Cl. 204—32)



6. In an ozone generator, the combination of a group of high tension, wedge-shaped electrodes arranged in spaced relation, a group of grounded wedge-shaped electrodes arranged in alternate and dovetailed relation with the high tension electrodes, pairs of laterally spaced dielectric plates disposed between the high tension and grounded electrodes and forming combined air passages and spark gaps, and means for supplying high voltage current to the high tension electrodes.

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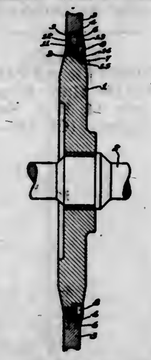
2,118,970

**GUIDE DISK**

Samuel E. Diescher, Pittsburgh, Pa., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa., a corporation of Delaware

Application August 15, 1935, Serial No. 36,316

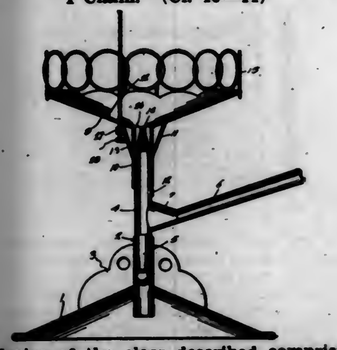
4 Claims. (Cl. 80—13)



1. A guide disk for cross-roll mills and which is subjected to high working temperatures, comprising a single metal mounting-disk provided at one side of its periphery with a shoulder, a work-engaging rim formed of wear-resisting metal having a higher coefficient of thermal expansion than that of said disk and having a radial thickness materially less than that of said disk and being of substantially uniform width, said rim

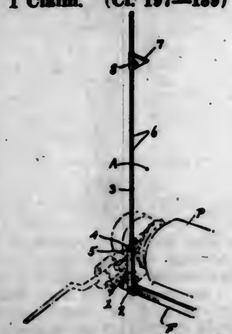
being provided with an inwardly extending rib having one of its sides bearing against said shoulder, and a clamping ring removably mounted on the side of said disk opposite to said shoulder and engaging said rib, the planes of engagement of said rib by said disk and clamp being substantially transverse to the axis of the disk, and said rim being held upon said disk solely by frictional engagement of the rib by the disk and said clamp.

2,118,971
**PNEUMATIC TOY**
Charles Goergen, St. Louis, Mo.
Application July 14, 1937, Serial No. 153,654
1 Claim. (Cl. 46—44)



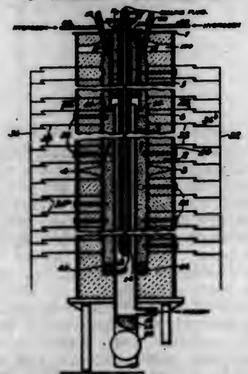
A device of the class described comprising a base, a vertically arranged tubular part attached to the base, a tube having its lower end removably fitting in the tubular part, a plug for closing the lower end of the tube, a blow tube having one end connected with an intermediate part of the tube, a mouthpiece at the other end of the blow tube, a bowl having a tubular portion depending from its center and removably fitting over the upper end of the first-mentioned tube, a jet forming tube carried by the upper end of the first-mentioned tube, said upper end being of conical form and forming a trap with the upper portion of the tubular part depending from the bowl.

2,118,972
**TYPEWRITER ATTACHMENT**
Judson Waldo Hall, Raton, N. Mex.
Application July 14, 1937, Serial No. 153,652
1 Claim. (Cl. 197—189)



As a new article of manufacture, an attachment for a typewriter, said attachment comprising a keeper bracket adapted to be secured to a typewriter frame at its extreme outer end and in advance of the platen, and disposed at right angles to said frame, a standard pivotally connected to said bracket to swing in a vertical plane on a horizontal axis to occupy a useful perpendicular position as well as an out-of-the-way horizontal position, said standard having a series of graduations and a substantially triangular-shaped pointer slidable and swingable on said standard for co-action with the graduations.

2,118,973
**REFINING OF METALS**
Fritz Hansgirg, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
Application December 21, 1934, Serial No. 758,622
3 Claims. (Cl. 13—8)



1. An apparatus for distilling metal from material containing it, comprising a vertical distillation shaft of rectangular section of substantially uniform area, means for feeding material into the top of said shaft and for removing residue from the bottom of the said shaft, a plurality of electrodes disposed in horizontally opposed pairs at opposed vertical faces of said shaft, a bus bar connecting the electrodes on one of said faces with one pole of a source of current, and another bus bar connecting the electrodes on the other of said faces with the other pole of said source of current, for conveying current in horizontally separated streams through the shaft, and a condensing chamber comprising a metallic tube of substantially rectangular section extending downwardly from the top of said distillation shaft centrally therein, a second metallic tube of substantially the same width but of lesser depth than said first-named tube extending upwardly from the bottom of the distillation shaft into the lower end of said first-named tube, and cooling means disposed within said tubes.

2,118,974
**SPRING WEB SEAT CONSTRUCTION**
Fredd A. Herman, Chicago, Ill.
Application November 12, 1937, Serial No. 174,171
2 Claims. (Cl. 155—179)

1. In a spring seat web construction a frame, said frame having front, back and oppositely disposed side rails, a pair of spaced laterally extending helical expansion springs attached at their outer ends to each of the oppositely disposed side rails, a pair of spaced reach rods, each of said reach rods having opposite ends attached to one of said laterally extending helical springs,

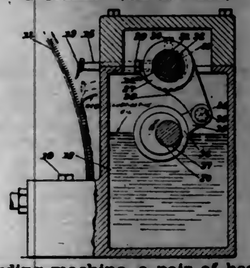


a plurality of webbings, each of said webbings having an inner end attached to one of said reach rods, and an outer end attached to a front or back



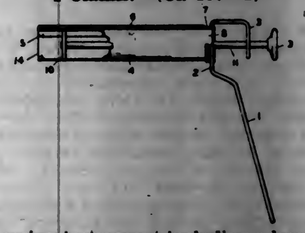
rail, and a plurality of spaced longitudinally extending helical expansion springs having opposite ends attached to said spaced reach rods.

2,118,975
**COMB BOX**
Thomas Bethel Hunt, Macon, Ga.
Application November 3, 1936, Serial No. 109,944
1 Claim. (Cl. 19—106)



In a carding machine, a pair of bearing boxes of which one is hollow, an actuating arm contained by said hollow box, a drive shaft journalled in the hollow box and carrying an eccentric upon which said arm is mounted, a comb shaft having end extensions journalled upon the respective boxes, a double-armed lever having means by which it is removably secured upon one of the extensions in such position as to straddle and contain the free end of the actuating arm, means pivotally connecting the free ends of the actuating and lever arms, and caps upon the bearing boxes, completing the journals for the extensions and having means by which they are removably secured thereby enabling the removal of the caps and of the comb shaft for the replacement of the double-armed lever.

2,118,976
**FRUIT CORING AND FILLING INSTRUMENT**
Dennis F. Larkin, San Francisco, Calif., assignor to Larkin Specialty Manufacturing Company, San Francisco, Calif., a corporation of California
Application June 13, 1936, Serial No. 85,074
4 Claims. (Cl. 107—1)



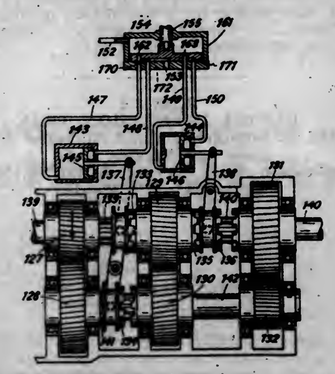
1. A coring instrument including a handle bent to form a base and a guide; a cutter formed of continuous sheet material bent so that one of its edges forms an inner blade having an angular cutting lip and the opposite edge forms an external fin, one end of said cutter being fixed in said base; and a plunger in said cutter having a stem engaging said guide.

2,118,977
**TELEVISION APPARATUS**
Harold M. Lewis, Douglaston, Long Island, and Madison Cawein, Manhasset, N. Y., assignors to Haseltine Corporation, a corporation of Delaware
Application October 8, 1934, Serial No. 747,324
8 Claims. (Cl. 250—27)



4. In an electric wave generator adapted to provide a current of saw-tooth wave form through a scanning inductance, a circuit effectively including said scanning inductance and comprising, in series, inductance means, resistance means, a normally fully conductive circuit controlling device, and a source of operating voltage for said circuit, means responsive to operating conditions in said circuit for periodically rendering said device substantially completely nonconductive for only a small fraction of each cycle and means for adjusting said resistance means to control the periodicity of said generator.

2,118,978
**GEAR-CHANGING DEVICE FOR MOTOR VEHICLES**
Karl Maybach, Friedrichshafen-on-the-Bodensee, Germany, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany
Application December 4, 1935, Serial No. 52,919
In Germany December 12, 1934
12 Claims. (Cl. 74—472)

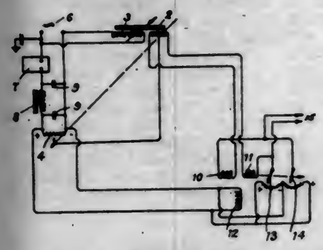


10. Change-speed mechanism for motor vehicles, comprising a change-speed gear with toothed gear wheels giving alternative ratios, pneumatically actuated gear-shifting means, distributing valve means for controlling said gear-shifting means to bring any desired ratio into operation, manually operable means for

moving said distributing valve means to any desired operative position, pneumatically actuated means controlled by a device responsive to engine speed for moving said distributing valve means from a lower speed position to a higher speed position but not vice versa, a pneumatic transmission device between a manually operable member and a member for controlling the supply of fuel to the engine, and a valve in said transmission device whereby said fuel controlling member may be closed whatever the position of said manually operable member, said valve being operatively connected to said pneumatically actuated means controlled in response to engine speed so as to be operated in conjunction therewith.

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2,118,979
**MEANS FOR PREVENTING CRUST FORMATIONS ON THE WALLS OF BOILERS**
Plinio Sergio Davide Massa, Paris, France
Application July 3, 1934, Serial No. 733,692
In France July 19, 1933
4 Claims. (Cl. 204—25)



2. Means for protecting the walls of boilers and similar apparatus against scale, incrustations and corrosions, comprising a transformer including primary and secondary windings, a boiler connected with said secondary winding, a potentiometer connected with the central point of said secondary winding, said secondary winding being movable relatively to the primary winding in response to temperature differences in said boiler, and means for transmitting movement of said secondary winding to said potentiometer to vary the adjustment of the latter.

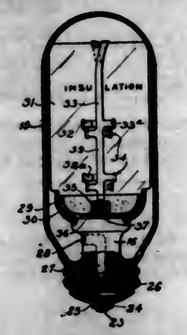
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2,118,980
**DENTAL IMPRESSION TRAY**
Howard H. Montgomery and Alphonse J. Bourgeois, Los Angeles, Calif.
Application April 13, 1936, Serial No. 74,086
4 Claims. (Cl. 32—17)



1. A dental impression tray, comprising a body having an outer and an inner rim and being generally U-shaped in cross section, said inner rim being of greatest depth at a location immediately behind the front and some distance in advance of the rear thereof, with the intermediate portion of decreasing depth at each side and with the extreme rear end rounded.

2,118,981
**ELECTRIC DISCHARGE TUBE**
Hrand M. Muncheryan, Los Angeles, Calif.
Application July 3, 1936, Serial No. 88,719½
9 Claims. (Cl. 176—122)




1. An electric discharge tube, comprising; an envelope containing a gaseous filling; a pair of electrodes mounted side by side within the envelope; a septum of insulating material extending between the electrodes; and electro-conducting elements secured to the electrodes and embracing the septum for holding the latter in fixed position within the envelope.

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2,118,982
**JAR**
Edward F. Raymond, Huntington Park, Calif., assignor to John Grant, Los Angeles, Calif.
Application April 4, 1936, Serial No. 72,753
17 Claims. (Cl. 255—27)

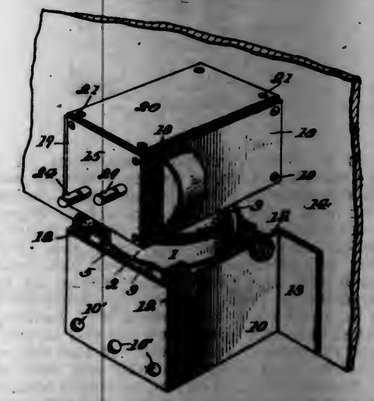


17. In a rotary jar, the combination comprising, a mandrel having upper and lower relatively longitudinally movable sections connected to the drill string and work respectively, a body surrounding said mandrel sections and movable longitudinally relative thereto, a pair of striking shoulders formed on said mandrel sections, a second pair of striking shoulders formed on said body and the upper mandrel section, releasable means holding said body and lower mandrel section against relative longitudinal movement until a predetermined stretch is taken on the drill string, and a spring resisting upward movement of the upper mandrel section relative to the body, said striking shoulders on the mandrel sections being brought into engagement by contractive movement of the drill string upon release of said holding means, and said pair of shoulders on the body and upper mandrel section being brought into engagement by the action of said spring.



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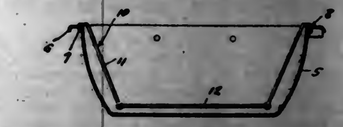
2,118,983
**SECTIONAL POWER UNIT**
Albert G. Redmond, Flint, Mich.
Application December 5, 1934, Serial No. 756,169
7 Claims. (Cl. 74—16)



1. In a sectional power unit, a motor having a shaft, a main casing provided with a pair of shafts driven continuously at different rates of speed by the shaft of the motor, each shaft projecting outwardly from the casing to provide a driving connection therewith, an auxiliary casing adapted to be detachably connected to the main casing, a shaft journaled in the auxiliary casing parallel with one of the shafts of the main casing and extending outwardly beyond said casing to provide a driving connection therewith and means carried by the shaft of the auxiliary casing detachably connected to be oscillated by one of the shafts of the main casing when said casing sections are connected together.

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2,118,984
**DISH DRYING PAN**
Haakon Sand, Zumbrota, Minn.
Application April 13, 1937, Serial No. 136,646
1 Claim. (Cl. 141—11)



In combination, a dish drying pan having flanges at its upper edge provided with openings and a dish rack positioned in the pan and including an intermediate rod-like section extending along the bottom of the pan, similar end sections pivotally connected to said intermediate section and extending upwardly along the sides of the pan, and downturned extremities on the free ends of said end sections and removably positioned in said openings.

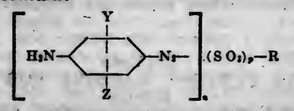
2,118,985
**MANUFACTURE OF WATER-SOLUBLE ALKALINE-EARTH METAL SALTS AND PRODUCTS OBTAINED THEREBY**
Hans Schmidt, Wuppertal-Vohwinkel, and Heinrich Jung, Wuppertal-Hammerstein, Germany, assignors to Winthrop Chemical Company Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 21, 1934, Serial No. 758,702. In Germany December 23, 1933
15 Claims. (Cl. 260—106)

1. The process which comprises heating a mixture of a polybasic aliphatic carboxylic acid selected from the group consisting of tartaric and citric acid with an at least trihydric alcohol of from 3 to 6 carbon atoms under reduced pressure and removing from the mixture the water which splits off, the heating is continued until, calculated on the water-free components, at least one carboxylic acid group per one mol. of the acid employed is still present in the free state, and then adding to the aqueous solution of the reaction mixture an alkaline earth metal compound selected from the group consisting of oxides, hydroxides and carbonates until the reaction mixture is about neutral.

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2,118,986
**SOLID DIAZO SALTS**
Karl Schnitzspahn and Wilhelm Koch, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 27, 1936, Serial No. 113,083. In Germany May 21, 1932
5 Claims. (Cl. 260—69)

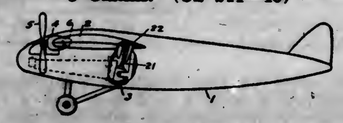
1. The solid diazo salts corresponding to the general formula:



wherein $n$ and $p$ stand for one of the numbers 1 and 2, Y stands for halogen, Z for one of the group consisting of hydrogen, halogen and alkyl, and R means a member of the group consisting of radicals of the benzene and naphthalene series, being very stable and easily soluble in water.

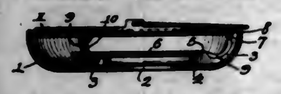
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2,118,987
**VARIABLE INCIDENCE WING FOR AIRPLANES**
Charles Smith, New York, N. Y.
Application November 7, 1935, Serial No. 48,662
3 Claims. (Cl. 244—46)



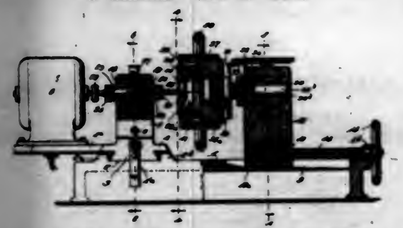
1. A wing mounting for airplanes in which raising and lowering means is provided at the trailing edges of the wings comprising, cylindrical trunnions forming spars extending through the leading edges of the wings and into the fuselage to a point midway thereof, means holding the inner ends of said spars preventing separation thereof, and permitting turning of one wing in relation to the other, and bearings at the sides of said fuselage for said spars.

2,118,988
**HEAT DISTRIBUTOR**
Albert Sorensen, Chicago, Ill.
Application February 23, 1937, Serial No. 127,286
1 Claim. (Cl. 126—214)



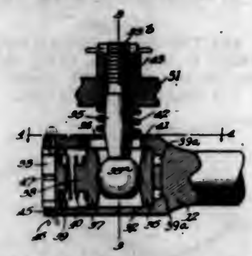
In a device of the class described, a shallow, bowl-shaped base having a flat, horizontal bottom, a vertical upper edge portion and a concaved intermediate portion, the bottom having a large central opening, a single-layer, imperforate metal plate of uniform thickness disposed parallel to the bottom and extending outwardly beyond the edge of the opening, the periphery of the plate being spaced from the concaved intermediate portion of the base to define an annular passage for heat, and means for supporting a utensil within the upper end of the base, in peripherally spaced relation to the vertical edge portion of the base, to define an annular outlet for heat, said means embodying parts which determine the relative areas of the spreader plate and the bottom of the utensil and determine the vertical distance between the spreader plate and the bottom of the utensil, and the vertical distance between the spreader plate and the opening, the central portion of the spreader plate being directly exposed to heat, through the opening, the parallel disposition of the spreader plate and the bottom tending to check the rise of heat about the edge of the spreader plate and effecting an equal heating of the spreader plate, whereby the spreader plate will heat the central part of the utensil chiefly by radiation, the concaved intermediate portion of the base and the vertical upper edge of the base facilitating a quick rise of heat about the periphery of the utensil.

2,118,989
**THREAD CUTTING MACHINE FOR FINISH RINGS**
Howard J. Thomas, Jackson, Miss., assignor to Knox Glass Bottle Company, Jackson, Miss., a corporation of Mississippi
Application March 22, 1937, Serial No. 132,373
8 Claims. (Cl. 10—154)



1. A metal working machine comprising, in combination, a base, a tool post, and a headstock, means for adjusting said tool post and said headstock along lines normal to each other, a rotary cutting tool supported in said tool post, a work chuck, and means for rotatively mounting said chuck in said headstock on an axis parallel with the axis of said rotary cutting tool including a spindle having a radially extending flange, and a releasable guide catch carried by said headstock and engaged with said flange for maintaining said chuck rotatable in a fixed plane with respect to said tool.

2,118,990
**COUPLING DEVICE**
William Todd, Leominster, Mass.
Original application February 16, 1933, Serial No. 657,098. Patent No. 2,014,871, dated September 17, 1935. Divided and this application September 14, 1935, Serial No. 40,637
2 Claims. (Cl. 287—90)



1. In a yieldable pitman connection for use with a mowing machine having a driving member and a movable cutter, comprising a rod having an end provided with an axially disposed and outwardly facing tubular socket internally threaded adjacent its free end, said socket having a longitudinally extending slot formed through the wall thereof and having its ends terminating a slight distance inwardly of the ends of the socket, a threaded stud having an enlarged ball-head formed on one end thereof of greater diameter than the width of said slot, said ball-headed stud being insertable and removable only through the open end of the socket and having its shank extending through said slot, spaced bearings in the socket for the ball-head positioned on opposite sides of the latter, one of said bearings having an axially extending stud formed on its outer face, an externally threaded plug disposed in the internally threaded free end of the socket and having its inner face provided with an annular groove, the inner wall defining said groove being aligned with the axially extending stud formed on one of said bearings, and a helical spring having one of its ends seated in said groove and having its opposite end surrounding the axially extending stud formed on the bearing, whereby to maintain the latter in substantial axial alignment with the internal wall of the socket.

2,118,991
**ELECTROHYDRAULIC FISHING TOOL**
George F. Turechek and Elmer R. Smith, Los Angeles, Calif., assignors, by mesne assignments, to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application September 4, 1934, Serial No. 742,646
6 Claims. (Cl. 294—88)

1. In a fishing tool: a housing structure; a plurality of grab fingers depending from the lower peripheral portion of said housing structure; a centrally disposed reciprocable stem protruding from said housing; links connecting said stem with the several grab fingers; a piston carried by the inner end of said stem; a cylinder for said piston formed within said housing; a pump unit and connections therefrom to said cylinder on either side of said piston for supplying fluid to either end of said cylinder and cause movement of said piston; an electric motor for driving said pump unit, said electric motor and pump mounted within said housing; by-passes and check valves therefor for permitting by-passing of fluid between the inlet and outlet of said pump unit

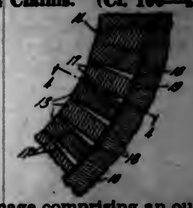


when the pressure difference therebetween exceeds a predetermined value, whereby a predeter-



mined pressure is maintained upon said piston upon arrest in the movement of said grab fingers.

2,118,992
**PRESS CAGE**
Charles B. Upton, Piqua, Ohio
Application February 19, 1935, Serial No. 7,236
4 Claims. (Cl. 100—48)



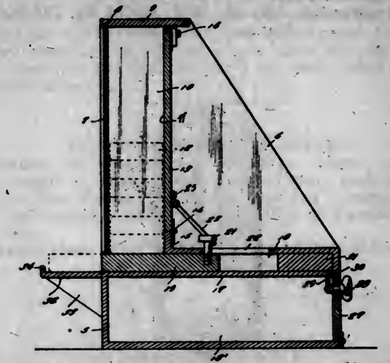
3. A press cage comprising an outer reinforcing structure having transversely curved inner bar-supporting faces, spaced longitudinal drainage bars arranged against said curved faces, wedge-shaped spacers arranged between said bars and having at their thick outer ends lugs engaging in grooves extending transversely of said bars in said curved faces, and means for crowding and clamping said bars and interposed spacers together in said reinforcing structure.

2,118,993
**TRANSMITTER**
Christian A. Volf, New York, N. Y., assignor to Clarence W. Sims, New York, N. Y.
Application May 26, 1936, Serial No. 81,941
4 Claims. (Cl. 179—122)



1. A transmitter comprising a diaphragm, variable resistance button and clamping ring, said clamping ring being provided with a large central opening adjacent the central part of the diaphragm, and being further provided with circumferentially arranged pressure-relieving and pressure-equalizing apertures for allowing the passage of sound waves therethrough and a cap, the outside of which is concaved inwardly toward the center of the diaphragm and apertured, while the inside of said cap flares outwardly to form an air resonance chamber just over said clamping ring, said large central opening serving to direct sound waves to the central part of the diaphragm, while said air resonance chamber serves to direct sound waves in a distinct path against the outer part of the diaphragm, said two sets of sound waves blending into a combinational tone.

2,118,994
**CIGARETTE DISPLAY AND VENDING CASE**
Everett S. Wade, Mount Olive, Miss.
Application April 8, 1937, Serial No. 135,772
1 Claim. (Cl. 312—67)



A device of the class described comprising a casing having a horizontal row of vertically arranged chutes therein, open at the rear sides thereof, said casing also having a plurality of horizontal guideways therein below said chutes, said guideways being provided with front ends opening into said chutes, ejector slides in the guideways independently slidable forwardly and rearwardly into and out of said chutes, a closure panel for the rear side of the chutes hinged to the casing for vertical swinging movement into opening and closing positions, respectively, and means to releasably lock all the ejector slides in forward position under closing movement of said panel comprising upstanding studs on said slides, and a ball pivotally mounted on the back of the panel for gravitational movement to embrace said studs and for forward movement under closing movement of the panel into engagement with said studs.

2,118,995
**PROCESS OF PREPARING SULPHONIC ACIDS OF ALIPHATIC ETHERS OF HIGH MOLECULAR WEIGHT**
Edmund Waldmann, Klosterneuburg, and August Chwala, Vienna, Austria, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application November 19, 1936, Serial No. 111,740. In Austria October 7, 1933
6 Claims. (Cl. 260—124)

2. The condensation products of the general formula:

$$RCON(R_1)(R_2O)_nR_4SO_3Y$$

wherein RCO stands for the acyl radical of a carboxylic acid selected from the group consist-

ing of aliphatic carboxylic acids—containing at least 10 carbon atoms, naphthenic acids and resin acids, $R_1$ stands for a member of the group consisting of hydrogen, lower aliphatic hydrocarbon radicals and aromatic hydrocarbon radicals, $R_3$ and $R_4$ stand for lower saturated aliphatic hydrocarbon radicals, $n$ stands for a member of the group consisting of the group 1, 2, and 3, Y stands for a member of the group consisting of hydrogen, alkali metal atoms and ammonium.

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**2,118,996**
**EMERGENCY LAMP**
**Gunnar A. F. Winckler, Worcester, Mass., assignor to Winckler Engineering Laboratories Incorporated, Boston, Mass., a corporation of Massachusetts**
**Application July 25, 1934, Serial No. 736,884**
**2 Claims. (Cl. 136—113)**

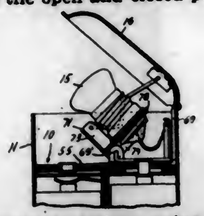


1. An electrolytic generator for a self-contained electric emergency lamp device wherein the lamp is permanently connected to a generator of electricity, which generator comprises inner and outer, positive and negative poles operating in an electrolyte when the generator is functioning, one of said poles serving as a casing for the generator, a frangible ball of vitreous material containing electrolytic fluid for activating the generator elements, a bulbous formation of ductile material normally extending from said casing and formed integral with one end thereof and conforming to the shape of the ball, the said frangible ball supported by the bulbous formation formed at one end of the casing, and a sack of absorbent material between said poles and encompassing both the inner pole and the said ball, to conduct the electrolytic fluid substantially instantaneously by capillarity to all parts of the poles after the ball is broken by deformation of the bulbous formation to bring the generator into operation and the device placed vertically, said bulbous formation serving as an indicator of the condition of the device.

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**2,118,997**
**BATTERY HAND LAMP**
**John S. Zook, Madison, Wis., assignor to Burgess Battery Company, Chicago, Ill., a corporation of Wisconsin**
**Application January 14, 1937, Serial No. 120,461**
**12 Claims. (Cl. 240—10.67)**

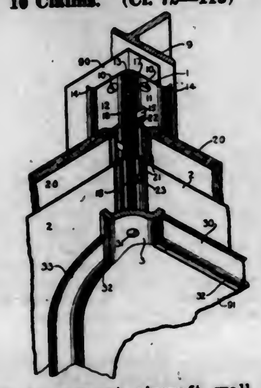
2. A battery hand lamp comprising, in combination, an open top case, a battery in said case, a frame in the case at one end of the battery, said frame having two rod-shaped supports mounted thereon, a cover for said case mounted pivotally upon one of said supports, a lamp holder mounted pivotally upon the other of said supports, a link-member connected between the cover and the lamp holder for transmitting the pivotal motion of one to the other, the operative and inoperative positions of the lamp holder corresponding to the open and closed positions of the



cover respectively, and a spring member connected between a fixed point on the frame and the lamp holder, said spring member being in compression and being so arranged that the compression thereon is greatest when the lamp holder is in a position between the operative and inoperative positions thereof.

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**2,118,998**
**INTERIOR TRIM FOR AIRCRAFT**
**Marvin Alnutt, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington**
**Application August 10, 1937, Serial No. 158,316**
**10 Claims. (Cl. 72—115)**



9. Means to support aircraft wall panels of stretchable fabric or the like, comprising supporting strips fixed to the aircraft structure at locations corresponding to the edges of such panels, and resilient studs spaced at intervals along the supporting strips, and projecting generally at right angles to the plane of the panels, but inclined slightly away from the center of the panels, the resilience of the studs operating to stretch the fabric between studs at its opposite edges.

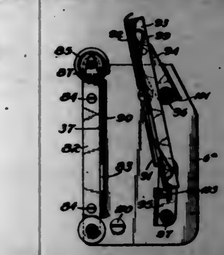
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**2,118,999**
**TALKING PICTURE MACHINE**
**Lloyd J. Andres, Grand Rapids, Mich., assignor to Automatic Instrument Company, a corporation of Michigan**
**Application March 21, 1934, Serial No. 716,595**
**5 Claims. (Cl. 88—17)**

1. In a motion picture machine, a fixedly mounted vertical aperture plate, two posts



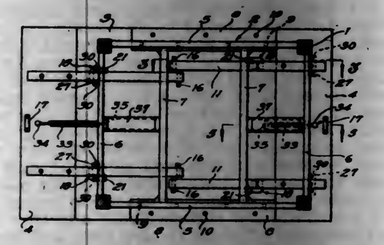
mounted in spaced parallel relation with the aperture plate, a double lever pivoted on each post, a gate plate having marginal flanges pivotally connected to the outer ends of the arms of the levers, a stop contacted by the lower lever to position the gate plate when closed in spaced parallel relation with the aperture plate, a spring



coiled around the upper post for rotating the upper lever towards the aperture plate, the lower lever being longer than the upper lever so that levers move out of parallel relation when the gate plate is swung back away from the film, and a stop mounted on the lower lever so that the gate is self locking in open position.

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**2,119,000**
**EXTENSION TABLE**
**Abraham Ashkenas, Sierra Madre, Calif.**
**Application February 20, 1937, Serial No. 126,827**
**2 Claims. (Cl. 311—56)**

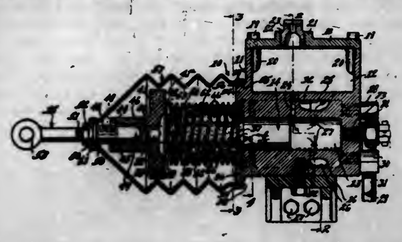


1. In an extension table, a supporting frame including an end bar, a main top section, an extension leaf, means for supporting said leaf in its extended position beyond said top section, a spring secured at its forward end to said leaf and extending through an opening in said end bar, and a cross pin secured to the rear end of said spring for engaging said end bar only when said leaf is drawn out nearly to its extended position for causing said spring to be expanded for holding said leaf against the end of said top section, when said leaf is in its extended position.

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**2,119,001**
**HYDRAULIC BRAKE EQUALIZER**
**Frank J. Bachmann, Chicago, Ill.**
**Application September 4, 1936, Serial No. 99,407**
**7 Claims. (Cl. 303—24)**

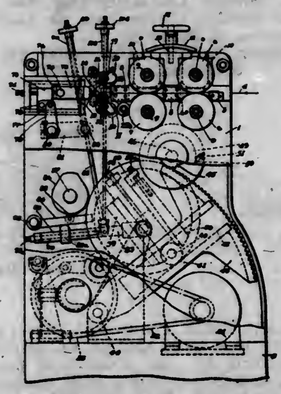
1. Hydraulic brake actuating and equalizing means as described, comprising a liquid reservoir, a pressure cylinder, a piston in said cylinder adapted to create said pressure pedal actuated means engaging said piston, a plurality of pipes each connecting said cylinder and one of the brakes, said pipes adapted to retain liquid therein, whereby to transmit said pressure to said brakes, and means adapted upon the failure of any one of said pipes to transmit said pressure to close off said pipe from said cylinder, said means including a valve adapted to be kept in-



operative by normal pressure in said pipe and adapted to be operated upon subnormal pressure occurring in said pipe said valve adapted to be engaged by and actuated by said pedal actuated means.

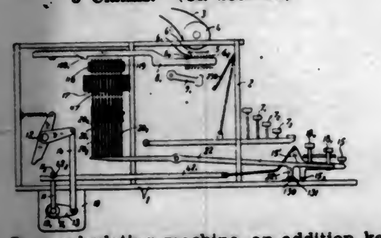
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**2,119,002**
**SPRING COILING MACHINE**
**Charles R. Bergevin, Worcester, Mass., and Arthur C. Nigro, Torrington, Conn., assignors to The Torrington Manufacturing Company, Torrington, Conn., a corporation of Connecticut**
**Application March 20, 1937, Serial No. 132,012**
**19 Claims. (Cl. 152—65)**



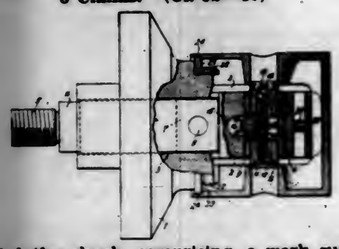
1. In a spring coiling machine, spaced frame members, cooperating feed rolls mounted on shafts supported by said frame members, with one of said shafts extending beyond a frame member, a rotating driving element, a pivotally supported toothed segment, a crank and pin connection between said driving element and segment, a shaft supported at its ends between said frame members carrying a ratcheting device for converting oscillatory movement of said segment by said driving element into intermittent rotative movement of said shaft, with one end of said shaft extending beyond a frame member adjacent to the extended end of said feed roll shaft, and gearing mounted outside of one frame member on said extended shaft ends for driving said feed roll shafts from said ratchet shaft, the ratio of said gearing being changeable to vary the degree of rotation of said feed roll shafts for a given amplitude of oscillation of said segment by said driving element.

2,119,003
**CALCULATING MACHINE**
Germain Justin Marie Bister, Paris, France
Application May 28, 1935, Serial No. 23,816
In France April 16, 1935
5 Claims. (Cl. 235—60)



1. In a calculating machine, an addition keyboard comprising keys from 0 to 9, a multiplication keyboard comprising keys from 0 to 9, a pin carriage controlled by either of said keyboards and adapted to receive item settings, a stationary pin field controlled by said pin carriage, movable racks controlled by pins of said pin field, type elements carried by said racks, a platen, printing hammers and means for cycling the machine, whereby an item set up by either the addition keyboard or the multiplication keyboard is printed during a cycle of operation of the machine.

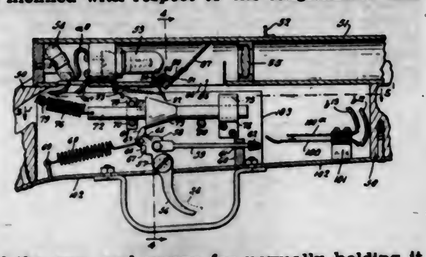
2,119,004
**LATHE CHUCK**
Percy L. Bowser, University City, Mo., assignor to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware
Application July 8, 1936, Serial No. 89,581
8 Claims. (Cl. 82—40)



1. A lathe chuck, comprising, a work support mountable on a lathe spindle, an actuator movable relatively to said support, a plurality of securing elements movable with respect to said support, and connections between said actuator and said elements operable to move the latter outwardly and toward said support in order to engage the work at a plurality of points to secure the same, said connections being flexible so as to equalise the bearing of said several elements on the work.

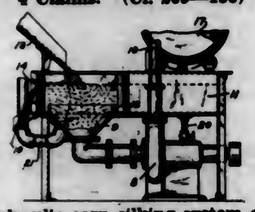
2,119,005
**LIGHT GUN**
Alva J. Carter, Chicago, Ill., assignor to Rayo-lite Rifle Range Company, Chicago, Ill., a corporation of Oklahoma
Application June 15, 1936, Serial No. 85,246
12 Claims. (Cl. 240—6.41)

1. In a marksmanship device, a gun having sights, a barrel and a trigger, a light source in said barrel, a shutter in front of the light source, and means for operating it in response to the pull of the trigger, for projecting a flash of light through the barrel, said shutter being hinged along one edge, abutment means for said shutter adapted, when it is in closed position, to hold it inclined with respect to the longitudinal axis



of the gun, and means for normally holding it against said abutment.

2,119,006
**HYDRAULIC CORN SILKER**
Frank D. Chapman, Berlin, Wis.
Application September 23, 1936, Serial No. 102,106
4 Claims. (Cl. 209—156)



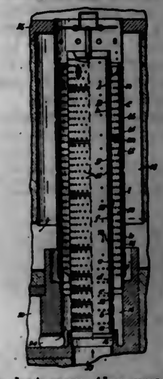
1. A hydraulic corn silking system comprising, means forming a liquid basin having extensive surface area, a wier providing a restricted liquid overflow at one side of said basin, means for admitting fresh liquid to a widened portion of said basin remote from said wier to produce rapidly increasing flow of surface liquid from said basin toward said wier, an upwardly diverging cone communicating with said basin between said liquid admission means and said wier and beneath the rapidly flowing surface liquid passing over said wier, means for delivering mixed silk and corn into said surface liquid directly above said cone and adjacent to said wier, and means for constantly withdrawing a mixture of liquid and corn from the bottom of said cone.

2,119,007
**OIL BURNING APPARATUS**
Gustaf Dalén, Lidingo, Sweden, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden, a corporation of Sweden
Application July 13, 1935, Serial No. 31,196
In Sweden July 20, 1934
21 Claims. (Cl. 158—89)

11. In a fuel burner, an upwardly extending hollow burner wall separating a combustion space on one side of the wall from an air space on the opposite side of the wall and means for causing a body of gaseous fuel having insufficient oxygen to support combustion to flow upwardly in said combustion space adjacent one face of said wall, the interior space of said hollow wall being divided into a plurality of separated sections one above another and said wall being perforated for flow of air from the air space to the combustion space through said sections, the total area of the perforations in communication with the air space being less than the total area of the perforations in communication with the combustion space and the relation of the total area of

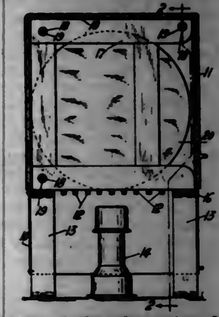


the first mentioned perforations to the total area of the second mentioned perforations in different sections being different to compensate for



the difference between the pressures in the air space and in the combustion space at the levels of different sections.

2,119,008
**HEATER**
Archibald A. Duncan, Akron, Ohio
Application October 10, 1935, Serial No. 44,346
4 Claims. (Cl. 126—246)



1. In a heater of the character described, the combination of a closable housing having a door at the front thereof, a partition structure therein defining a plurality of vertical slots each substantially wider than the article to be received therein, said partition structure comprising a plurality of metal plates fixedly secured to each other in parallel spaced relation at three of their corners, each plate having a relatively large central opening therethrough, said housing comprising an elevated floor consisting of laterally spaced bars disposed transversely of said partition plates, said floor constituting the sole support for the partition plates and the articles therebetween, and a heating furnace beneath said floor.

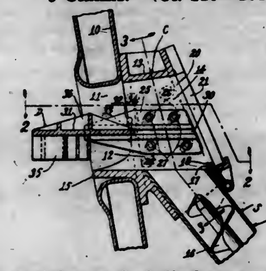
2,119,009
**VACUUM JACKETED GLASS TUBE AND SHAPE**
Nathaniel M. Elias, New York, N. Y.
Application June 27, 1935, Serial No. 28,633
9 Claims. (Cl. 49—83)

1. The method of fabricating a vacuum-jacketed glass shape, said method comprising the step of assembling an outer glass wall with an inner glass wall; the step of fusing said walls together at a selected region and so forming there a sealed joint; the step of heating the outer wall and drawing it into proximity to the inner wall at a region spaced from said first-named joint; the step of evacuating the jacket space enclosed between said walls intermediate said regions; and the step of fusing said walls together at said last-named region, utilizing the contractile force produced by said vacuum to make a sealed joint at said last-named region.



6. As a new article of manufacture, vacuum-jacketed, glass tubing comprising an inner wall and an outer wall, said inner wall surrounding an extended channel and being formed with one or more bulbous enlargements intermediate the length of the channel to permit compensation for unequal expansion as between said walls, while preserving the channel undiminished in diameter.

2,119,010
**FUEL DEFLECTOR**
Francis Hogg, Wesleyville, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware
Application April 10, 1935, Serial No. 15,567
Renewed July 9, 1937
9 Claims. (Cl. 110—101)

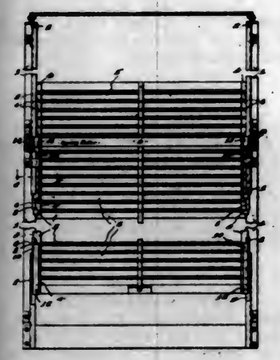


7. In a stoker, a fuel discharge casing including upstanding oppositely disposed side walls and having a discharge outlet opening forwardly between said side walls and a fuel inlet opening upwardly between said side walls rearward of said discharge outlet, means delivering fuel upwardly into said casing through said fuel inlet, pressure fluid distributing means disposed at the rearward side of said fuel inlet acting against the fuel to project it from said casing through said discharge outlet, a fuel deflector above the path of the projected fuel having a portion forward of said discharge outlet disposed in the path of the projected fuel, and means supporting the fuel deflector from said casing, said means including a pair of supporting members each movable vertically on said casing, each supporting member having a longitudinally extending groove open at an end to receive said deflector, the latter being adjustably movable lengthwise in said groove.

2,119,011
**BLIND CONSTRUCTION**
Thomas W. Holt and John F. Levan, Elkhart, Ind., assignors to Excel Curtain Company, Elkhart, Ind., a corporation of Indiana
Application January 12, 1937, Serial No. 120,252
5 Claims. (Cl. 156—16)

1. In a blind construction, the combination with a frame formed with guides; of a blind having a raising and lowering movement along the

guides and comprising flexible metal side straps having their outer margins coacting with the guides, transverse slats secured at their opposite ends to the side straps, spring roller means extending transversely of the frame adjacent the



blind and between the upper and lower ends of the blind in any position thereof, and tapes winding on the roller means and having their ends secured to the lower end of the blind, the tapes extending parallel to the side straps directly behind the same.

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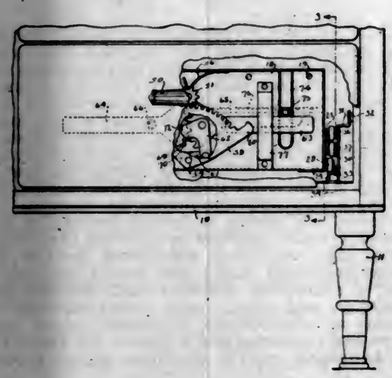
2,119,012

**STOVE**

Bertrand B. Kahn, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio

Application February 28, 1931, Serial No. 519,211

15 Claims. (Cl. 126—41)



1. In a stove having an oven compartment, a slidable drawer having a hollow front closure and a hollow rear supporting wall, a foodstuffs supporting pan, and mechanism within said drawer for effecting vertical travel of said pan within the drawer, said mechanism being operably mounted within said front closure and rear supporting wall and operable independently of the sliding movement of the drawer.

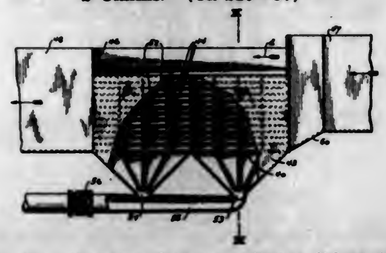
2,119,013

**APPARATUS FOR REMOVING SOLIDS FROM FLUIDS**

Frank W. Kerns, Berkeley, and Warren Egbert, Knights Landing, Calif.

Original application November 14, 1932, Serial No. 642,574, now Patent No. 2,012,567, August 27, 1935. Divided and this application August 24, 1935, Serial No. 37,696

2 Claims. (Cl. 210—57)



1. An apparatus for separating solid matter from a continuously flowing stream of water, comprising an elongated conduit adapted for the continuous gravital flow of water to be treated, said conduit having an inlet and an outlet at opposite ends for the admission and discharge of water, a plurality of superposed plates extending longitudinally of the conduit substantially from the inlet to the outlet, said plates dividing the flowing body of water horizontally into a plurality of shallow bodies and said plates being tilted laterally with relation to their longitudinal axes to form inclined surfaces, a settling chamber formed at one side of the conduit adjacent the lower edges of the plates, said chamber being in communication with the spaces formed between the plates and extending below the lowermost plate, said extended lower portion of the chamber being gradually reduced in area with the smallest area at the lower end, and a plurality of baffle plates in the settling chamber, the lower ends of said baffle plates being inclined toward each other to form passages between their lowermost ends sufficiently constricted to substantially prevent longitudinal flow of water through the settling chamber.

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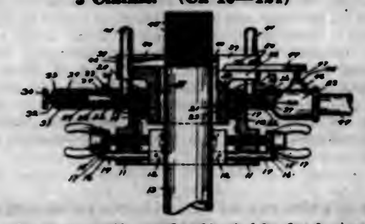
2,119,014

**AUTOMATIC STOP FOR A THREADING DIE HEAD**

Harry T. Kimlin and Douglas O. Kimlin, Hyde Park, N. Y.

Application September 17, 1936, Serial No. 101,200

3 Claims. (Cl. 10—124)



1. An automatic and adjustable feed stop for ratchet operated threading die-stocks of the class described, comprising in combination with a die-stock having a body member for attachment to a pipe, a cutter-head threaded therein to form a feed and ratchet means for rotating the cutter-head, of an arm carried by the cutter head and an adjustable stud carried by the ratchet means adapted to contact with said arm when a predetermined length of thread has been cut to prevent further rotation between the cutter-head and the ratchet means.



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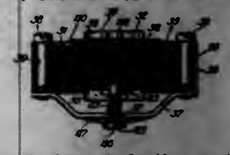
2,119,015

**POLYPHASE WATTHOUR METER CONSTRUCTION**

Fred Kurz, Springfield, Ill., assignor to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois

Application March 6, 1937, Serial No. 129,300

7 Claims. (Cl. 171—264)



1. In a polyphase induction watthour meter, in combination, a rotatable disc, a plurality of induction watthour meter elements each including a single driving unit comprising current and voltage wattmeter elements cooperating with said disc for applying torque thereto, means for adjusting the torque of at least one of said elements, and a single means for operating said adjusting means throughout its entire range of adjustment.

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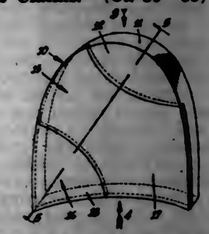
2,119,016

**RUBBER HEEL**

Charles Lamb, South Pasadena, Calif.

Application December 20, 1937, Serial No. 180,677

2 Claims. (Cl. 36—35)



1. A heel comprising a body of rubber which includes: a base or upper layer of relatively high resiliency and abrasion resistance, said base layer extending down to the lower face of said heel in the area of maximum wear; and a lower layer of relatively low resiliency and abrasion resistance covering the areas of less than maximum wear, said layers being vulcanized into a unitary body, the resiliency and the power to resist abrasion of said lower layer decreasing progressively as it extends away from said area of maximum wear and towards an area of minimum wear.

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2,119,017

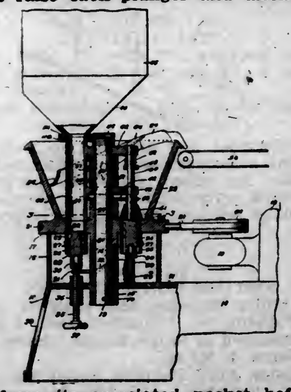
**COMBINED DOUGH DIVIDER AND ROUNDER**

Fred Marasso, Joliet, Ill., assignor to Union Machinery Company, Joliet, Ill., a corporation of Illinois

Application December 11, 1936, Serial No. 115,331

11 Claims. (Cl. 107—4)

1. A combined divider and rounder comprising in combination a rotating carrier having several measuring pockets therein, reciprocating plungers in the pockets, and a dough rounding-up wall, coacting rounding-up means cooperating with said rounding-up wall to round up lumps of dough, a stationary feed chute having a stationary discharge end contacting with the carrier and disposed in the path of travel of the pockets, said feed chute serving to deliver dough directly into the pockets, and plunger lifting means operating to raise each plunger and discharge the



dough from its associated pocket before said pocket, and the dough discharged therefrom reaches the coacting rounding-up means, whereby the rotating carrier conveys the discharged lump of dough to the said coacting rounding-up means and rounding-up wall.

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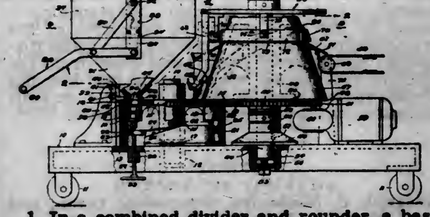
2,119,018

**COMBINED DIVIDER AND ROUNDER**

Fred Marasso, Joliet, Ill., assignor to Union Machinery Company, Joliet, Ill., a corporation of Illinois

Application June 26, 1937, Serial No. 150,566

10 Claims. (Cl. 107—4)



1. In a combined divider and rounder, a base, divider mechanism, having a rotating measuring table mounted on the base, in combination with rounding-up mechanism having a rotating rounding-up element mounted on the base and overlapping said table and contacting with the face thereof, and a stationary coacting rounding-up element extending from the face of the table partially around the rotating rounding-up element and forming therewith a rounding-up trough into which the measuring table carries measured dough lumps.

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2,119,019

**VENDING PACKET**

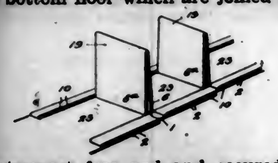
James Wellford Martin, Yonkers, N. Y.

Refiled for abandoned application Serial No. 504,706, December 26, 1930. This application April 27, 1937, Serial No. 139,155

7 Claims. (Cl. 312—91)

1. A vending packet comprising a wall portion of sheet material adapted to be mounted verti-

cally in a vending cabinet, and a plurality of shelves of sheet material for supporting articles projecting transversely from said wall portion at spaced intervals and constituted of a top floor and bottom floor which are joined together



at the outermost free end and secured to the wall at the innermost end and separated by an appreciable air space, said wall portion and shelves being arranged in such a manner as to be capable of being withdrawn from the cabinet.

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**2,119,020**
**SWITCH CONSTRUCTION**
**Pearl L. Miller, Kokomo, Ind., assignor to Kemp Bros. Packing Co., Frankfort, Ind., a partnership composed of Ralph Kemp, Charles Kemp, and Walter J. Kemp**
**Application April 29, 1936, Serial No. 76,993**
**9 Claims. (Cl. 200—24)**



1. An adjustable periodic switch device including a constant rotatable cone, a support the longitudinal axis of which is parallel to the surface of said cone, a base structure slidable longitudinally thereon, switch means carried by the base structure, and cone engaging wheel means supported by the base structure adapted for rotation by the cone for cyclic operation of the switch means, said base structure also being tiltable on said support toward and away from the cone for moving the wheel means into and out of cone engagement for switch operation or non-operation during continuous cone rotation.

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**2,119,021**
**SHAVING APPARATUS**
**Frederick E. Meskovics, Greenwich, Conn., and Victor R. Abrams, Maplewood, N. J.**
**Application January 15, 1938, Serial No. 185,168**
**7 Claims. (Cl. 30—43)**



1. In a shaving device, the combination of a thin, apertured, convex, skin-contacting shear plate, an inner cutter having at least one shearing edge engaging the concave under surface of the shear plate, means for rotating the cutter about an axis substantially normal to the surface of the shear plate, and means responsive to rotation of said cutter for urging the shearing edge thereof transversely and longitudinally of the axis into intimate wiping contact with the concave under surface of said shear plate to sever hairs projected through the apertures thereof said shear plate being adapted to be pressed against the skin to be shaved with the axis of the cutter directed endwise toward the skin.

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**2,119,022**
**SWITCH**
**Walter Murad, San Carlos, Calif., assignor of one-half to Charles S. Evans, San Francisco, Calif.**
**Application October 11, 1933, Serial No. 693,068**
**13 Claims. (Cl. 200—113)**



2. A switch comprising a wall plate, a hollow tumbler having a base portion positioned behind the wall plate and having an elongated portion projecting through the plate to provide a handle, electrical conducting brackets terminating in bearings and mounted behind the wall plate, electrical conducting trunnions on the tumbler mounted on the base portion behind the wall plate and journaled in said bracket bearings for mounting the tumbler for pivotal movement between open and closed switch positions and extending into the tumbler to provide contacts, a body of conducting fluid in the tumbler for closing the circuit through the contacts, and electrical conducting springs connected between the brackets and trunnions for snapping the tumbler from one to the other of said switch positions.

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**2,119,023**
**SEAT PAD**
**Clesson H. Pickard, Fremont, Ohio, assignor to The S. E. Hyman Company, Fremont, Ohio, a corporation of Ohio**
**Application October 8, 1937, Serial No. 167,918**
**1 Claim. (Cl. 155—182)**



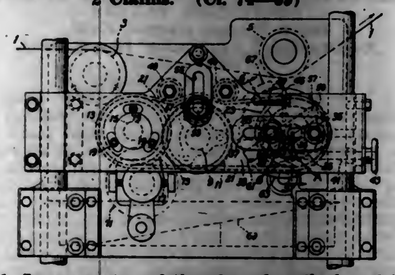
A wire seat pad frame forming seat and back portions, each having side portions thereof integrally connected at their inner ends to permit bending of one portion relative to the other, a U-shaped reinforcing wire disposed at the inner side of each frame side with its legs fixedly connected to the frame sides and its loop portion



extending across the line of bend of the connection between the seat and back portions, said frame also including a crosswise disposed tongue portion of bowed form with its ends turned outwardly and extending across and fixed to said U-shape members and the respective frame sides adjacent the point of bend, said tongue portion projecting outwardly from the inner end of said seat portion and remaining in substantially the plane of said seat portion.

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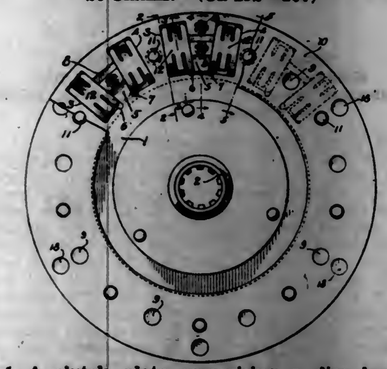
**2,119,024**
**REGISTERING APPARATUS**
**Robert E. Pierce and Frank R. Linda, St. Louis, Mo., assignors to Bemis Bro. Bag Co., St. Louis, Mo., a corporation of Missouri**
**Application May 9, 1935, Serial No. 20,586**
**2 Claims. (Cl. 74—69)**



1. In apparatus of the class described, a driving crank, a driven crank, sliding means between said cranks whereby the driving crank drives the driven crank, and means for relatively resetting the centers of rotation of said cranks, said resetting being along a line passing through the centers of crank rotations, and the center of the driving crank being adapted to coincide with and be set on either side of the center of the driven crank, the latter center being fixed.

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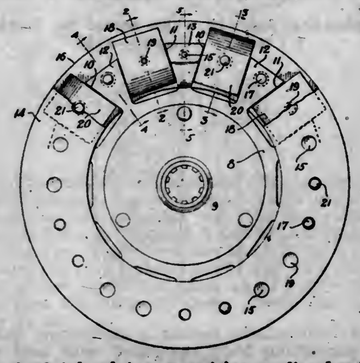
**2,119,025**
**CLUTCH PLATE**
**Harold V. Reed, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois**
**Application January 30, 1935, Serial No. 4,046**
**20 Claims. (Cl. 192—107)**



1. A clutch plate comprising a disc having openings in the peripheral portion thereof, friction facings arranged adjacent the openings and on opposite sides of the disc, separate cushion members arranged in the openings, tongues in the peripheral portion of the disc and offset on at least one side thereof and between the facings, and means fastening at least one facing to the tongues.

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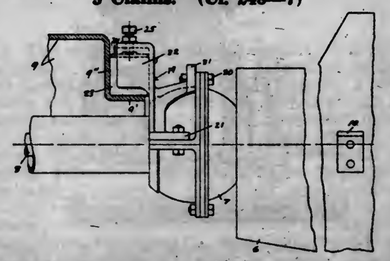
**2,119,026**
**CLUTCH PLATE**
**Harold V. Reed, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois**
**Application February 11, 1935, Serial No. 5,943**
**7 Claims. (Cl. 192—107)**



1. A clutch plate comprising a disc having a plurality of spaced apart radially extending tongues at the periphery thereof, friction facings arranged on opposite sides of the disc in register with the tongues, cushion members between the facings and located between the tongues, and means fastening adjacent cushion members to opposite facings.

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**2,119,027**
**AUTOMOBILE MOTOR ATTACHMENT**
**Louis G. Rendelle, San Francisco, Calif.**
**Original application September 25, 1931, Serial No. 565,013, now Patent No. 2,079,183, dated May 4, 1937. Divided and this application April 14, 1937, Serial No. 136,859**
**5 Claims. (Cl. 248—7)**

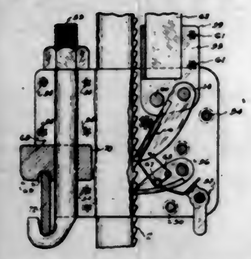


5. In combination with an automobile engine unit, including the engine, and a universal joint housing at the rear end of the engine connected to the engine as a unit therewith, an automobile chassis frame comprising side frame members extending along opposite sides of the engine unit and including a cross frame member extending between the side frame members adjacent the rear of the engine, single resilient means engaging between the cross frame member and engine unit adapted to yieldably support the rear end

of the engine, including said universal joint housing, a bracket secured to said universal joint housing, said bracket and cross frame member being formed to coact for retaining the resilient means in assembled relation with the cross frame member and bracket against displacement.

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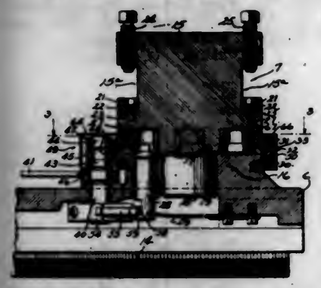
2,119,028
**VEHICLE JACKING STRUCTURE**
Frank W. Schmidt and Creighton W. Ryerson, Jackson, Mich., assignors to Ryerson & Haynes, Inc., Jackson, Mich., a corporation of Michigan
Application June 10, 1935, Serial No. 25,826
9 Claims. (Cl. 254—133)



5. A vehicle jack having a supporting bar, a load supporting body associated with said bar, and means connected to said body for clamping the body to a vehicle part, said means comprising a clamping face fixed relatively to said body, and a hooked bolt slidably mounted in said body for movement relatively to said clamping face.

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2,119,029
**MACHINE TOOL HOLDER**
Werner Irving Senger, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin
Application September 30, 1935, Serial No. 42,848
10 Claims. (Cl. 29—40)



1. In a lathe, the combination of a bed, a carriage guided on said bed for horizontal reciprocation, a work spindle rotatably supported at one end of said bed and axially parallel to the path of carriage movement, a slide guided on said carriage for horizontal reciprocatory movement in a direction transverse to the direction of carriage movement and having an edge in the direction of said spindle and substantially parallel with the movement of said slide, a tool holder supported on said slide for rotary index movement to different positions about a vertical axis, means for accurately defining different of said tool holder positions including a locating member carried by said slide and movable into positions respectively engaging and disengaging said tool holder, a lever pivotally carried by said slide and providing a hand grip portion movable in a substantially horizontal plane in directions toward and from said spindle, clamp means operable for releasably fixing said tool holder rigidly with said slide, motion transmitting connections from said lever both for the movement of said locating member and for operation of said clamp means, and means limiting the movement of said lever to prevent movement of the hand grip portion thereof to the spindle side of a vertical plane coinciding with said edge.

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2,119,030
**PREPARATION OF LATEX FROM RUBBER-PRODUCING PLANTS**
David Spence, Carmel, Calif.
No Drawing. Application June 8, 1935, Serial No. 25,681
8 Claims. (Cl. 18—49)

1. The process of recovering rubber from a rubber-bearing plant which does not respond to tapping comprising disintegrating said plant in the presence of a medium maintained at approximately the same hydrogen ion concentration as the fresh juice of the plant in fresh condition, whereby coagulation of the rubber content of the disintegrated plant is inhibited.

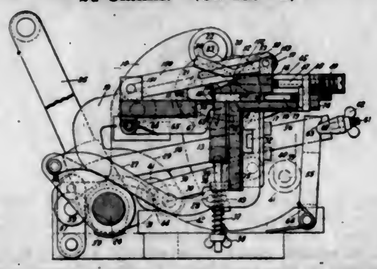
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2,119,031
**PLANOGRAPHIC PRINTING PLATE**
William B. Wescott, Dover, Mass., assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application May 25, 1934, Serial No. 727,521
1 Claim. (Cl. 101—401.1)

A planographic printing plate having an aluminum printing face on which a greasy image is applied, said face being provided with a thin adherent film of electrolytically produced anodic oxide of aluminum, said film being characterized by a retention capacity for both greasy and watery materials such that neither the greasy materials nor the watery materials when adsorbed by said anodic oxide are physically capable of displacing the other therefrom.

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2,119,032
**METAL EDGING MACHINE**
William M. Webbe, Springfield, Ohio
Application October 26, 1936, Serial No. 107,640
24 Claims. (Cl. 153—1)

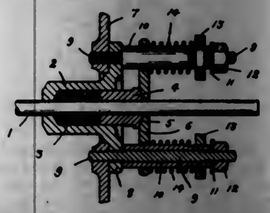


21. In a machine for attaching an edging strip to a sheet of material, a crimping member and a folding member, means for supporting an edging strip having a partially folded portion with said portion between said members, and operating mechanism having means for moving one of said members toward the other member to complete said partial fold in said strip, for actuating said folding member to partially form a second fold in said strip, for withdrawing said folding member and for actuating said crimping member to complete said second fold.



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2,119,033
**STUFFING BOX**
Vaughan L. Andrew, Superior, Wis.
Application February 24, 1937, Serial No. 127,433
3 Claims. (Cl. 286—32)



1. Means for exerting a constant pressure upon the gland of a stuffing box about a reciprocable piston rod, comprising a plurality of bolts spaced about said rod, a sleeve about each bolt, a pressure bar having holes therethrough for loosely fitting upon said rod and sleeves, a helical spring about each sleeve and bearing against said pressure bar, and means upon each sleeve for adjusting the pressure of the springs against the pressure bar.

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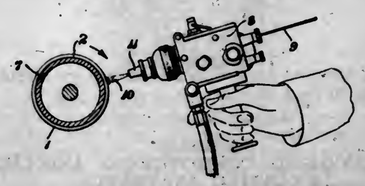
2,119,034
**BOBBIN HOLDER**
William H. Bahan, Greenville, S. C.
Application October 13, 1937, Serial No. 168,829
3 Claims. (Cl. 139—249)



1. In a replenishing mechanism for a filling replenishing loom, provided with a lay, a hopper for holding a reserve supply of filling carriers, a fixed stud, a transferrer pivoted on said stud, an arm fixed to the stud, a finger oscillatably supported at its upper end by the free end of said arm and having an enlarged lower end provided with a concave surface for engaging the filling on a filling carrier about to be transferred from the hopper into the lay of the loom, said transferrer having a downwardly depending arm, a link pivotally secured at one end to the lower end of said arm and having its other end pivotally secured to the lower portion of said finger, whereby movement of the transferrer on said stud will move the concave surface out of contact with the filling on said lowermost filling carrier before the said lowermost filling carrier is engaged by said transferrer to transfer the same from the hopper into the lay of the loom.

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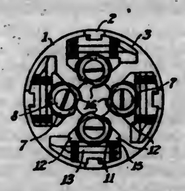
2,119,035
**PISTON RING PROCESS**
John Howard Ballard, Muskegon, Mich., assignor to Sealed Power Corporation, Muskegon, Mich., a corporation of Michigan
Application March 29, 1937, Serial No. 133,568
2 Claims. (Cl. 29—156.6)



1. The method of manufacturing piston rings which consists, in providing a ring having a parting in one side, finishing said ring on its opposite parallel flat sides, roughly finishing said ring at its outer curved side to oversize and cutting a groove around the ring therein, projecting fluid metal in said groove to fill the same and solidify therein and then finishing the outer curved side of the ring to size.

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2,119,036
**THREAD FORMING CHASER SUPPORTING AND ADJUSTING MEANS**
John S. Bartek, Rochester, N. Y., assignor to Consolidated Machine Tool Corporation, Rochester, N. Y., a corporation of Delaware
Application July 30, 1936, Serial No. 93,438
2 Claims. (Cl. 10—103)



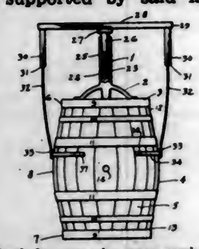
1. The combination with a support, of a circular chaser, a clamping screw extending through the chaser and securing it to the support, a sleeve within the chaser surrounding said screw, an adjusting plate surrounding said sleeve and having an oscillatory movement therewith around the screw, the sleeve having exterior serrations engaging corresponding serrations in openings of the same diameter in the chaser and in the adjusting plate for locking said parts together, and means on the support for rocking the adjusting plate about the screw in opposite directions and holding it in adjusted position.

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2,119,037
**BARREL MEASURING DEVICE**
John Albert Bauer, Lawrenceburg, Ind.
Application July 3, 1936, Serial No. 88,806
5 Claims. (Cl. 33—176)

5. In a device of the class described, a horizontal bar spaced upwardly from the head of a barrel, means to retain said bar in fixed position, means fixed to the ends of said bar and extend-

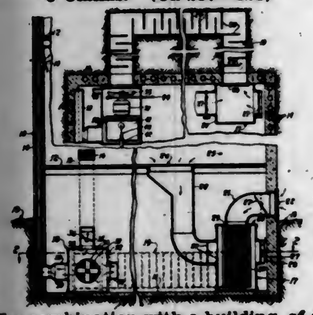
ing downwardly adjacent the sides of said barrel, and means supported by said last mentioned



means adapted for use in measuring the circumference of said barrel.

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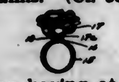
2,119,038
**AIR COOLING, CONDITIONING, AND CIRCULATING APPARATUS**
William M. Bell, Evanston, Ill.
Application April 10, 1936, Serial No. 73,667
3 Claims. (Cl. 257—121)



1. The combination with a building, of air conditioning apparatus comprising an air intake unit, a blower unit, both of said units being mounted within the building, a plurality of air intakes adapted to admit air into said air intake unit from the basement, or room above the basement or from outside of the building, valves for controlling said plurality of air intakes whereby air may be admitted into said air intake unit through one or more or all of said plurality of air intakes, an under-ground air cooling conduit connecting said air intake unit with said blower unit, removable air filtering means at the intake and outlet of said under-ground air cooling conduit, air-heating means in said blower unit, and air-humidifying means between said air-heating means and the air outlet of said blower unit.

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2,119,039
**RING COMBINATION**
Herbert Chandler Boyd, Austin, Minn.
Application July 2, 1936, Serial No. 88,579
2 Claims. (Cl. 63—15)



1. A finger ring having at one exterior side thereof a thin disk of comparatively small diameter disposed in a plane perpendicular to the plane of said ring, said disk having upstanding centrally therefrom a ball member forming one part of a separable fastener, a comparatively large ornament made of layers of colored fabric material and in the form of a flower, a thin and flat disk of comparatively small diameter secured to the bottom of said device and carrying a socket with resilient walls adapted to fit over said ball member whereby said device may be readily attached and detached from said ring and other similar ornaments attached to said ring so that different ornaments may be worn to suit the costume of the wearer.

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2,119,040
**APPAREL-GARMENT**
Max G. Carey, Miami Beach, Fla., and Julius L. Bischof, St. Louis, Mo.
Application October 26, 1936, Serial No. 107,602
5 Claims. (Cl. 2—95)



1. As a new article of manufacture, a jacket having a neck opening, a strip fixed on the inner face of the jacket at and along the neck-line thereof, said flap being provided with a series of spaced buttonholes, a member comprising companion shirt-front portions and a neck-encircling band, and buttons on the outwardly presented face of said member engageable with the strip at said buttonholes in concealed position between the inner face of the jacket and the outer face of the strip for detachably securing the jacket and member operably together in the formation of a unitary body-fitting garment.

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2,119,041
**REPRODUCTION PROCESS**
Albert Carman and Jean Charlet, New York, N. Y.
Application November 7, 1936, Serial No. 109,632
3 Claims. (Cl. 101—211)



1. A method for reproducing multicolor designs including the use of an offset press consisting in drawing with a lithographic pencil upon a printing plate those portions of a design which are to be reproduced in a desired color; placing the plate upon the offset press in printing position; applying an ink repellent to said plate; inking the drawn design upon the plate with such selected color and printing therefrom by contacting the offset cylinder of the press directly with the said inked design upon the plate; removing the plate from the press; washing the plate to remove the said inked design whereby a ghost picture thereof remains upon the plate; drawing upon said plate such other portions of the design which are to be reproduced in another selected color using the said ghost picture for guidance in drawing the portions which are to reproduce the other selected color; again placing said plate upon the press in printing position; again applying an ink repellent to the plate; inking the latter with such other selected color and printing therefrom by again contacting the offset cylinder of the press directly with the said other inked design upon the plate and thereafter repeating the said operations for each additional color in the design to be reproduced.



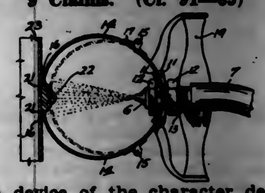
2,119,042
**VALVE**
George Charlton, Battle Creek, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 20, 1937, Serial No. 180,761
12 Claims. (Cl. 123—188)



1. A hollow article comprising a tubular main body portion, a separately formed end portion, and means generally spacing said portions bonded thereto and securing and sealing said portions together comprising a centrifugally distributed mass of material having a melting point lower than that of both said portions.

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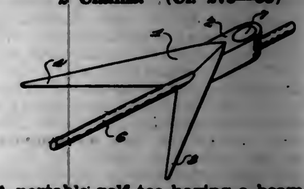
2,119,043
**GUARD FOR SPRAY GUNS**
Lawrence W. Cornelison, San Francisco, Calif.
Application February 10, 1937, Serial No. 124,974
9 Claims. (Cl. 91—65)



1. In a device of the character described, a nozzle holder, means on the holder adapted to be slidably engaged with an article to confine the spray to a desired area of said article, and means to urge the said confining means to slidably grip the said article.

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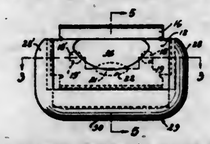
2,119,044
**GOLF TEE**
Thaddeus S. Davids, Rochester, N. Y.
Application May 6, 1937, Serial No. 141,135
2 Claims. (Cl. 273—33)



1. A portable golf tee having a beam member, a rod sliding longitudinally in said beam member and projecting from either or both ends thereof, arms diverging at an angle from said beam member on each side of the rod member at substantially equal angles to the rod member.

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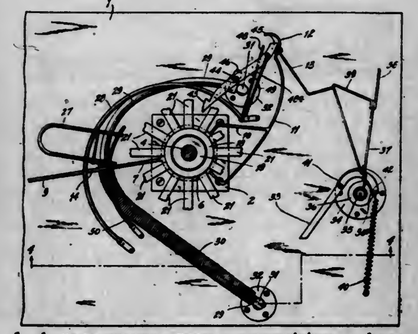
2,119,045
**RAZOR BLADE HOLDER**
Paul Dietrich, Los Angeles, Calif.
Application April 17, 1937, Serial No. 137,515
8 Claims. (Cl. 30—332)



3. A razor blade holder embodying: a pair of jaw plates having opposed faces adapted to engage and flex a blade clamped therebetween; and a U-shaped frame having open-ended ways in its opposite side members slidably receiving the ends of said jaw plates, said ways being dimensioned so as to press said plates together thereby flexing said blade.

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2,119,046
**RACE COURSE GAME**
Henrietta Ehret, St. Louis, Mo.
Application July 22, 1936, Serial No. 92,138
3 Claims. (Cl. 273—86)



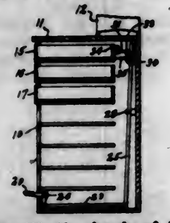
1. A race course game, comprising a base, a center post mounted thereon, ball bearing assemblies mounted on said center post in spaced vertical relation, braces fixed to collars mounted on said bearing assemblies, circular tracks fixed to said braces, racing objects in spaced relation mounted on said tracks, a starter member slidably mounted on an arcuate horizontal track, a heavy coil spring secured to said starter at one end and to the base at its other end, a horizontal lever rotatably mounted on said center post for clockwise movement of a diametrically opposed structure, said movement causing an aligning finger to move inwardly to align the racing objects on predetermined spaced radial lines emanating from the center post, a vertical extension on said horizontal lever to advance said starter, and a clutch mechanism for maintaining said starter in a stationary position until its release is desired.

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2,119,047
**DENTAL CABINET**
Cyril J. Gail, Santa Monica, Calif.
Application January 4, 1937, Serial No. 118,949
2 Claims. (Cl. 45—7)

1. In a dental cabinet, the combination of: a horizontally slidable drawer, a foot pedal pivotally attached to the lower portion of the cabinet,

a vertically extending lever means carried in the back of said cabinet, said vertically extending lever means being operably connected to said foot pedal, and an extensible link means oper-



ably associated with the back of the drawer and connected to said vertical lever means whereby limited downward movement of the foot pedal causes a horizontal and outward movement of the drawer.

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2,119,048
**CASEMENT WINDOW OPERATOR**
Forrest C. Garrison, Highland Park, Ill., assignor to The Oscar C. Rixson Company, a corporation of Illinois
Application May 17, 1937, Serial No. 143,143
2 Claims. (Cl. 74—396)



1. A construction of the class described, comprising a shell casing for enclosing gearing, said shell having therein a semi-circular band for partly enclosing and forming a bearing for a worm, one end of said band being anchored to the casing, an adjustable take-up means for said band mounted in said casing and engaging the free end of said band, a worm located in the band, said worm having end sockets for receiving a crank, the sides of said casing being perforated in alinement with the crank-receiving sockets of the worm, and a worm wheel within the casing intermeshing with the worm for receiving power therefrom.

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2,119,049
**TRAFFIC SEMAPHORE**
Ludlow B. Glafcke, Salt Lake City, Utah
Application February 21, 1935, Serial No. 7,621
1 Claim. (Cl. 177—327)




In a time lapse indicator for traffic signals, the combination with a casing having an opening in a wall thereof, a lens covering said opening and comprising a center clear glass section and a surrounding annular translucent glass section, an opaque disk located inwardly of and of a size to substantially cover the clear glass section, means for imparting rotation to said disk continuously in one direction, said disk being provided with a transparent indicator section through which light may shine from the interior of said casing and red, green and amber lights within said casing, as and for the purposes set forth.

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2,119,050
**LIQUID OXYGEN EXPLOSIVE**
George Burkle Helderer, Scarsdale, N. Y.
No Drawing. Application August 19, 1937, Serial No. 159,914
6 Claims. (Cl. 52—1)

1. A liquid oxygen explosive comprising carbonaceous material in granular form impregnated with a solution of a fire-proofing material.

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2,119,051
**AUTOMOBILE BAGGAGE CARRIER**
George H. Le Boeuf, Manitowoc, Wis.
Application June 4, 1936, Serial No. 83,435
1 Claim. (Cl. 224—29)



A construction of the class described comprising a baggage receptacle; two supporting members in the form of curved thin strips arranged under the sides thereof and secured centrally to the bottom thereof, the ends of said strips being adjustably secured to said receptacle; contact members on the under sides of said supporting members arranged to contact with the top of an automobile; and binding means connected with said receptacle and arranged to secure the same to an automobile top.

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2,119,052
**RESILIENT MOUNT FOR AUTOMOBILE WHEELS**
Verne T. Palmer, Tuscarora, N. Y.
Application October 5, 1936, Serial No. 103,982
2 Claims. (Cl. 267—20)



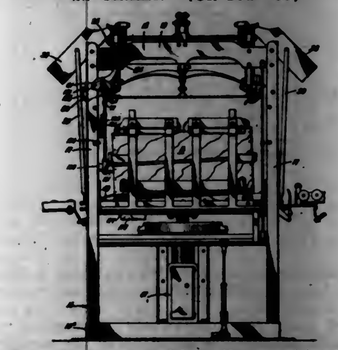
1. In a mount for a wheel of an automobile, the combination of a main frame, a rigid auxiliary frame pivoted at one end thereof to the main frame, the main frame having an oval slot therein in which the pivotal connection can rise and fall with the auxiliary frame, a car axle, positive connections between the car axle and the auxiliary frame, a compression spring interposed between the auxiliary frame and the main frame at one side of the axle, a tension spring connecting the auxiliary frame to the main frame, a bracket extending laterally from the auxiliary frame and fastened to the axle to prevent tilting of the auxiliary frame sideways relative to the axle, said auxiliary frame being free



to rock on its pivoted end as the axle and the main frame move toward and away from each other either in parallel or in non-parallel relation.

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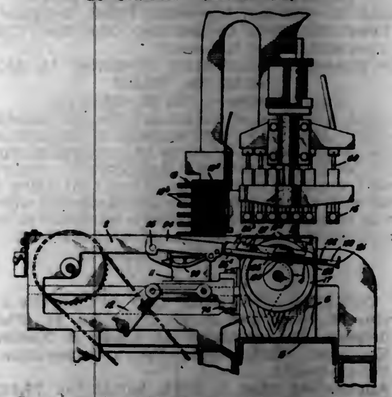
2,119,053
**BOX LIDDING AND STAMPING MACHINE**
Hale Paxton, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware
Application January 4, 1935, Serial No. 392
22 Claims. (Cl. 101—35)



1. In a lidding machine, the combination of: a frame; a table for receiving a box; an overhead structure supported on said frame and overlying said table and said box; means for causing relative vertical movement between said table and said overhead structure to lid said box; a stamping mechanism mounted on said overhead structure; and means responsive to said relative vertical movement for actuating said stamping mechanism to stamp an indicia upon an end of said box during said lidding operation.

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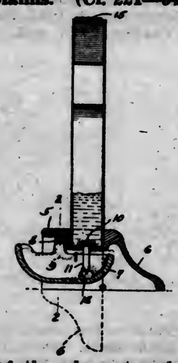
2,119,054
**SLAT FEED**
Gerald C. Paxton, Santa Ana, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application December 28, 1936, Serial No. 117,709
10 Claims. (Cl. 1—14)



1. In an automatic box making machine the combination of: a reciprocating shook feeder adapted to pick a shook from beneath a pile and carry it to box assembling position; means on said feeder for engaging and stripping pieces of shook from beneath said pile; a telescopic support mounted on said feeder and disposed beyond the forward end thereof when in extended position; and means for yieldably urging said support into extended position.

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2,119,055
**HOLY WATER DISPENSER**
Anton T. Peffer, St. Cloud, Minn.
Application July 21, 1937, Serial No. 154,938
2 Claims. (Cl. 221—94)



1. A device of the character described comprising a hollow body portion adapted to contain liquid and having a discharge opening in the bottom thereof, a bowl pivotally supported under the body portion, said bowl extending to a position under the discharge opening, the pivot point of the bowl being forward of a horizontal line drawn intermediate the ends of the bowl, whereby the rear end of the bowl will overbalance the front end of the bowl, a valve operating through the discharge opening and having a head adapted to normally close the discharge opening, said valve being connected to the bowl to move therewith, and said valve adapted to open discharging liquid into the bowl when the front end of the bowl is tilted downwardly.

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2,119,056
**METHOD OF MAKING A SPRAY GUN**
John T. Peterson, Chicago, Ill.
Application February 8, 1935, Serial No. 5,556
2 Claims. (Cl. 22—203)



2. The method of manufacturing spray gun castings which comprises providing a plurality of individual tubular machined liners from a metal having a relatively high melting point and corresponding to the passages in the completed spray gun, providing a mold for said spray gun, said mold having portions for engaging each of said tubular liners and rigidly supporting each of said liners individually and separately in continuous abutting relationship and in such order as to define the lining of the interior passages in the

spray gun, said inserts being freely separable from each other and from the mold, and molding an outer casting about said rigidly supported liners to the final shape of the gun with a moldable material having a relatively low molding temperature whereby to maintain the separate portions of the lining rigidly in said aligned position and provide a unitary article.

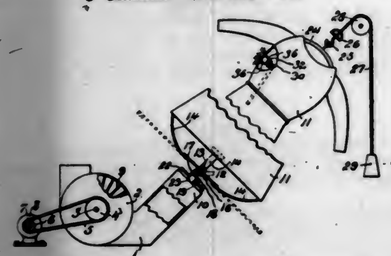
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2,119,057

## APPARATUS FOR ERECTING THE NAP OF A FABRIC

John H. Richa, Kansas City, Mo.

Application December 9, 1935, Serial No. 53,581
8 Claims. (Cl. 223—51)



1. In an apparatus for erecting the nap on the outer side of a garment, means for engaging the garment at its upper and lower end portions and supporting it in an inclined position, means for distending the supported garment with air, and means manually insertable and movable in all directions in the garment for forcibly projecting steam outwardly through the fabric of the distended garment.

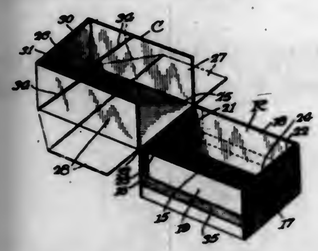
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2,119,058

## PACKAGING

Ralph R. Richardson, Chicago, Ill., assignor to Chicago Carton Company, Chicago, Ill., a corporation of Illinois

Application July 15, 1935, Serial No. 31,338
5 Claims. (Cl. 229—33)



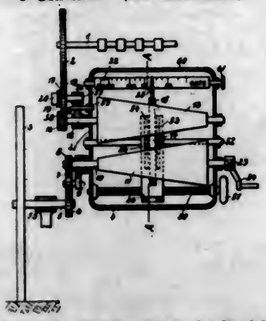
1. The method of making a package with a paper box structure substantially as described which consists in folding up the box section without uniting the parts thereof in box condition, filling the box with the material to be packaged, applying adhesive to an outside wall portion of the box, closing the cover on the box, and effecting contact between the inside of a wall portion of the cover and the adhesive applied to the box, thereby completing the inclosure of the material and adhesively locking the package in closed condition.

2,119,059

## DRIVING DEVICE FOR MULTIROW DRILL BARROWS OF FERTILIZER SPREADING MACHINES WITH ROTARY DISTRIBUTING MEMBERS

Hans Sack, Leipzig, Germany

Application May 14, 1934, Serial No. 725,520
In Germany May 16, 1933
9 Claims. (Cl. 116—124)



1. A driving device for feed shafts in drill barrows or fertilizer distributing machines, comprising in combination a feed shaft, a driving shaft, a speed gear for operatively connecting said shafts and adapted to be adjusted for modifying the ratio of transmission between said shafts, a travelling wheel adapted to rotate said driving shaft, a scale carrier having scales for different kinds of seed, each scale for indicating quantities of seed fed by said feed shaft at different speeds thereof for a certain unit of ground surface, said scale carrier stationarily arranged in spaced relation to said gear, an indicating member operatively connected with said gear and adapted to be adjusted therewith in modifying the ratio of transmission thereof and to move over said scale carrier when adjusted, said carrier adapted to be adjusted in certain different positions for putting alternately any one of said scales in indicating relation to said indicating member.

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2,119,060

## METHOD OF ENHANCING THE VARIETAL COLORATION OF WHOLE FRUIT

Jagan N. Sharma, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

No Drawing. Application November 12, 1934, Serial No. 752,699
3 Claims. (Cl. 99—103)

1. In a method of enhancing the varietal color of whole fruit and simultaneously protecting said fruit from decay, the steps of contacting whole fruit with a diazotized intermediate, removing fruit from such contact, and then contacting the fruit with a bath containing beta naphthol whereby an enhanced varietal color is imparted to substantially the entire surface area of the fruit.

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2,119,061

## CONTROL METHOD AND APPARATUS

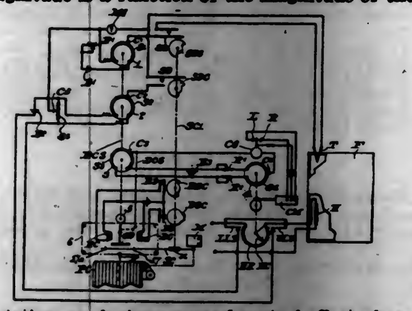
Irving M. Stein and Jacob C. Peters, Jr., Philadelphia, Pa., assignors to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 1, 1936, Serial No. 77,447
20 Claims. (Cl. 172—239)

1. The method of controlling the magnitude of a condition which comprises adjusting a control



element so that its position at all times substantially corresponds to the then existing magnitude of the condition, producing a control effect whose sense is determined by the sense of deviation of said element from its neutral position and whose magnitude is a function of the magnitude of the



deviation, producing a second control effect whose sense corresponds with and is derived from the adjustment of said element, and varying the application of an agent affecting the rate of magnitude of said condition in accordance with the resultant of said control effects.

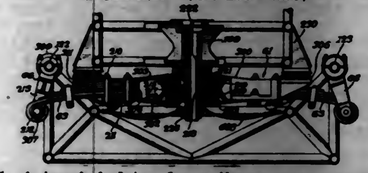
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2,119,062

## TRUCK BOLSTER FOR RAILWAY CARS

William B. Stout and Evan H. Wright, Detroit, Mich., assignors to Pullman-Standard Car Manufacturing Company, a corporation of Delaware

Application September 2, 1933, Serial No. 688,006
4 Claims. (Cl. 105—226)



1. A truck bolster for railway cars comprising a casting having side, top and bottom walls, the latter two tapering toward each other and merging to form a flat annular web substantially midway between the top and bottom planes of the bolster.

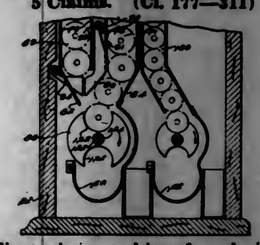
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2,119,063

## BATTERY VENDING MACHINE

Alfred C. Wagner, Highland Park, Mich., assignor to Bessie M. Wagner, Highland Park, Mich.

Application July 5, 1935, Serial No. 29,807
5 Claims. (Cl. 177—311)



1. A dispensing machine for electric articles comprising in combination a magazine for storing a plurality of said articles, means for giving each said article a predetermined movement to discharge it from said magazine, and means operable as an incident to said discharge movement of an article for testing the operative condition of said discharged article.

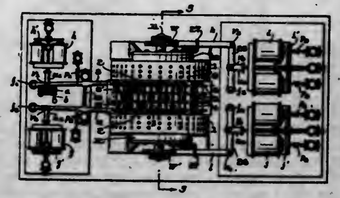
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2,119,064

## AUTOMATIC TELEGRAPH RECEIVING MACHINE

Yoshito Watanabe, Kinukake-cho, Suma-ku, Kobe, Japan

Application January 17, 1935, Serial No. 2,156
In Japan March 12, 1934
1 Claim. (Cl. 177—353)



A selector device for closing a circuit in response to a prearranged code of dot, dash and interletter space impulses comprising a stationary frame, a rotatable squirrel-cage type controller mounted for rotation in said frame and having a plurality of studs fixed thereto, said studs being equally spaced at the periphery of said controller and each having a contact controller mounted thereon slidable longitudinally thereof, partitions fixed to said frame adjacent to the path of movement of said studs forming three passageways corresponding to dots, dashes and interletter spaces having entrances for said rollers, means for normally causing the rollers to be positioned to enter the dot passageway, selecting means positioned at the entrance to the passageways for moving the positioned roller to cause the roller to enter either the dash or interletter space passageway, means responsive to receipt of a dot dash or interletter space impulse to move the controller the space from one stud to the next to successively present the rollers to said selecting means, means responsive to the receipt of a dash impulse to cause the selecting means to move the then presented roller into the dash position, means responsive to the receipt of an interletter space impulse for causing the selecting means to move the then presented roller to interletter position, a plurality of contacts mounted on said frame to be engaged by said rollers, said contacts being each arranged with respect to the three positions capable of being assumed by the rollers in accordance with the code to which the selector is to respond and a circuit including in series all of said contacts.

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2,119,065

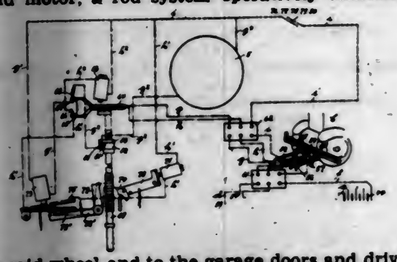
## MOTOR CONTROL SYSTEM

Johann Heinrich Zaeckel, Lubeck, Germany

Application August 8, 1935, Serial No. 35,360
In Germany August 10, 1934
12 Claims. (Cl. 268—33)

1. A motor control system for opening and closing garage doors selectively by hand and by the car battery, comprising in combination an electric motor, a stationary circuit connected to the motor, means in the stationary circuit for controlling its connection to the motor, a circuit on a car, a battery in the car circuit, means on the

car for connecting its circuit to the stationary circuit, a switching lever on the car, a holding magnet in the car circuit, an armature for the magnet adapted to make and break the magnet's own circuit, and to be forced against the magnet and to energize the magnet under the action of the switching lever, a toothed wheel rotatable by said motor, a rod system operatively connected



to said wheel and to the garage doors and driven by said wheel to open and shut the garage doors, a locking mechanism adapted to lock said wheel, means for disengaging said mechanism by hand, a mechanical means for disengaging said mechanism by said motor, and means operatively connected to the locking mechanism for de-energizing the holding magnet upon re-engagement of the locking mechanism and the wheel.

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**2,119,066**
**ELECTRIC ATTACHMENT PLUG RECEPTACLE**
**Charles W. Abbett, Larchmont, N. Y.**
**Application December 15, 1934, Serial No. 757,717**
**7 Claims. (Cl. 247—15)**



1. In a polarized attachment plug receptacle for surface wiring, an insulating base having a longitudinally extending central spine, metallic members on opposite sides of said spine, said metallic members having contact portions and terminal portions, a pair of spaced posts at each end of said base, a cover fitting over said base and having apertures over said contact portions, said apertures being of different configuration whereby the receptacle is polarized, said cover having flat sides adapted to lie along a base board, each end wall of said cover being provided with a pair of spaced sections of reduced strength any one of which may be removed for the entrance of a surface wiring conduit running parallel to the base board whereby the conduit may enter directly into said cover without deviation from its rectilinear direction irrespective of which side of the receptacle is uppermost.

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**2,119,067**
**JEWEL ORNAMENTED WITH STONES**
**Salomon (dit Charles) Arpels, Paris, France, assignor to Société Van Cleef & Arpels, Paris, France, a corporation of France**
**Application May 1, 1936, Serial No. 77,423**
**In France February 13, 1936**
**3 Claims. (Cl. 63—28)**

1. A jewel or the like which comprises, in combination, a support, substantially parallel elastic bands carried by said support, precious stones adapted to fit between said bands and to be removably held therebetween owing to the elasticity of said bands and a locking piece adapted to fit



in said support so as to lock the whole of the bands and the stones present between said bands, whereby said bands can no longer be deformed so as to permit of the stones escaping from between them.

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**2,119,068**
**KEY CONTAINER**
**Harry S. Baughman, Barberton, and Melvin S. Lower, Wadsworth, Ohio, assignors to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio**
**Application June 5, 1936, Serial No. 83,654**
**3 Claims. (Cl. 150—40)**



3. A container for keys and the like, comprising a casing of vulcanized rubber or the like, said casing having converging edge walls whereby the casing will compactly fit about one or more keys retained therein, a wall of the casing having a slit or opening extending adjacent one edge wall and extending inwardly at an angle to said wall to provide overlapping beveled edges, said casing having a reinforcing bead portion extending along the margin of said wall intermediate said opening and said edge wall to provide a flap hinging at said edge wall, means for engaging through apertures in keys to retain the same in said casing so that one or more keys may be mounted therein to be swung outwardly through said opening, said engaging means comprising a pin extending between opposite walls of the casing, said opening being self-closing by reason of the resilience or elasticity of the wall of the casing.

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**2,119,069**
**HIGH VOLTAGE DISCHARGE DEVICE**
**Albert Bouwers, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands**
**Application June 25, 1934, Serial No. 732,347**
**In Germany July 21, 1933**
**6 Claims. (Cl. 250—35)**

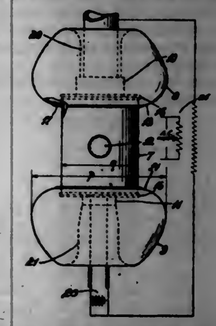


1. As a unitary structure, a high-voltage discharge tube comprising an evacuated envelope having a substantial portion of glass, and electrodes therein, and a protective enclosure for said tube comprising a member of insulating material covering the entire outer surface of the glass portion of said envelope and forming narrow interspaces therewith, and plastic insulating material completely filling the interspaces, the combined insulating capacity of said glass portion, insulating material, and insulating member being sufficient to withstand at least the voltage difference occurring between the inner surface of said glass portion and ground during the operation of the tube.

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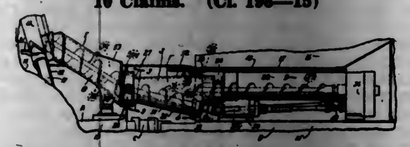
**2,119,070**
**HIGH VOLTAGE DISCHARGE TUBE**
**Albert Bouwers, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands**
**Application December 26, 1934, Serial No. 759,299**
**In Germany January 26, 1934**
**3 Claims. (Cl. 250—35)**



1. In an X-ray tube, an envelope comprising a central metal cylinder having an annular metal flange spaced back from each edge thereof, two insulating portions whose width perpendicular to the axis of the cylinder is greater than the diameter of the cylinder, each of said insulating portions carrying at one end the electrodes of the tube, the other end being inwardly curved and edgewise sealed to said annular flange.

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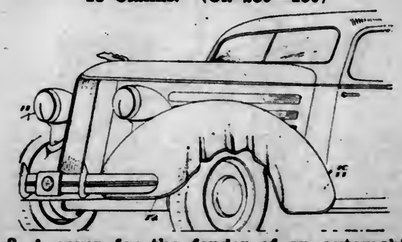
**2,119,071**
**STOKER CONVEYER**
**Washington T. Cappa, Baltimore, Md., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware**
**Application April 10, 1935, Serial No. 15,518**
**10 Claims. (Cl. 198—15)**



1. In a conveying system, in combination, a conveyer comprising rearward, forward and intermediate sections of successively increasing fuel carrying capacities toward the delivery end of the system, the intermediate section including a storage chamber of a cubical content sufficient to store, upon reversal of the conveyers, all of the fuel normally in said forward section.

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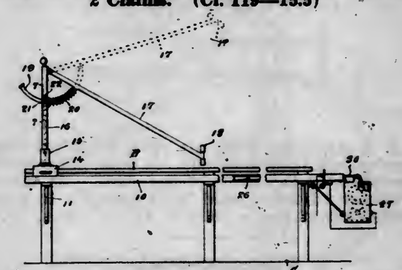
**2,119,072**
**AUTOMOBILE FENDER COVER**
**Nathaniel Cohen, Newark, N. J., assignor, by direct and mesne assignments, to Stafast, Newark, N. J., a corporation of New Jersey**
**Application December 27, 1937, Serial No. 181,850**
**13 Claims. (Cl. 280—150)**



2. A cover for the fender of an automobile, said cover being flexible to conform to the contour of the fender, an attaching element secured to the flexible cover near its forward end and near its inner edge for engagement with a part of the automobile, and a suction cup secured to the cover near its rear end and near its inner edge for engagement with a part of the automobile.

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**2,119,073**
**RACE TRACK BARRIER**
**Michael J. Corrigan, Washington, D. C.**
**Application June 10, 1937, Serial No. 147,557**
**2 Claims. (Cl. 119—15.5)**



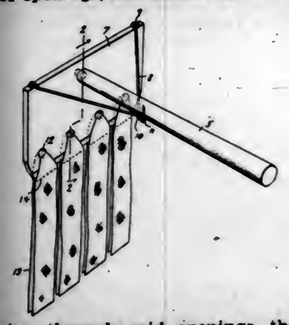
1. A movable race track barrier comprising carriage tracks arranged along a race track and terminating adjacent a starting line of the race track, carriages supported by the carriage tracks, barrier posts removably secured to said carriages, barrier arms pivoted on said posts, a barrier tape connecting said arms, spring means acting on said arms to elevate the barrier tape to clear the track, manually controlled means for advancing the carriages to the starting line, rack teeth carried by the carriage tracks, dogs pivoted on said carriages and spring influenced to engage the teeth, cables connected to said dogs, manually controlled electrical means for actuating said cables to advance the carriages to the starting line, and stops carried by the carriage tracks to actuate the latch means for freeing the barrier arms on the carriages reaching the starting line.

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**2,119,074**
**AGITATOR PADDLE**
**Prudie Daco, Fairview, Okla.**
**Application July 14, 1937, Serial No. 153,656**
**1 Claim. (Cl. 259—144)**

An agitator of the class described comprising a handle, a substantially rectangular plate se-

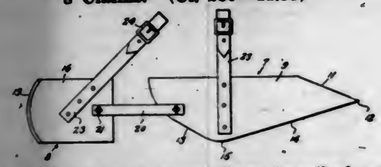
cured to one end of said handle and positioned at right angles thereto, the lower edge of said plate being beveled and being provided with a plurality of openings, and flexible agitating mem-



bers passing through said openings, the outer ends of said agitating openings being free and the intermediate portions stitched together along the beveled edge of the plate to prevent displacement.

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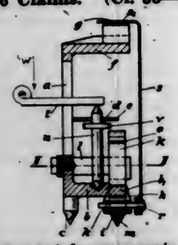
2,119,075
**SKATE GUARD**
Alton C. Day, Roseland, N. J.
Application September 7, 1937, Serial No. 162,784
8 Claims. (Cl. 280—11.38)



2. A skate guard of the class described comprising individual heel and toe units adapted for reception of the blade of the skate, and means pivotally adjoining said units together to allow movement of one in relation to the other.

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2,119,076
**INSTRUMENT FOR MEASURING ELONGATION**
Otto Dietrich, Friedrichshafen, Germany, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Germany
Application August 23, 1934, Serial No. 741,041
In Germany September 7, 1933
16 Claims. (Cl. 33—147)

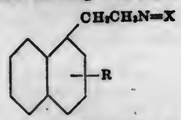


1. An instrument for measuring length changes in materials comprising an upstanding stationary supporting frame, a pair of laterally spaced measuring legs upstanding beside the supporting frame and movably mounted on the frame for cooperative lateral measuring movement to and from each other, said measuring legs having lower end portions engageable with the surface of the material to be tested, and means for measuring relative movement between the measuring legs.

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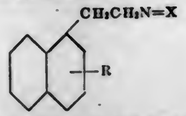
2,119,077
**NAPHTHALENE DERIVATIVES CONTAINING A $C_nH_{2n}N$ GROUP AND PROCESS OF PRODUCING THEM**
Arthur J. Hill, New Haven, Conn., and Merritt C. Fernald, New York, N. Y., assignors to Ostro Research Laboratories, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application November 24, 1933, Serial No. 699,562
10 Claims. (Cl. 260—127)

1. A compound having the structural formula



(in which X is a member of the group consisting of dialkyl and pentamethylene and R is a member of the group consisting of hydrogen, hydroxyl and an alkoxy group).

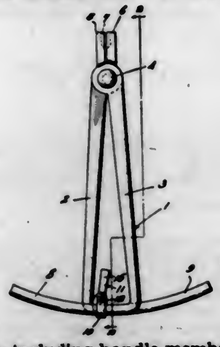
5. The process of producing a compound having the structural formula



(where X is a member of the group consisting of dialkyl and pentamethylene and R is a member of the group consisting of hydrogen and an ethoxy group) from a compound of the group consisting of 1-bromo-naphthalene, 1-ethoxy-4-bromo-naphthalene and 2-ethoxy-1-bromo-naphthalene, by subjecting such brominated compound to the Grignard reaction, substituting an ethylol radical for the magnesium halide obtained by the Grignard reaction, replacing the OH of the ethylol radical with a halide and then replacing the halide with the N=X group.

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2,119,078
**FORCEPS**
Gilbert O. Hunt, Armstead, Mont.
Original application April 5, 1935, Serial No. 14,908. Divided and this application July 3, 1937, Serial No. 151,933
4 Claims. (Cl. 81—49)



1. Forceps including handle members terminating in jaws, means pivotally connecting the jaws,



said handle members terminating in end portions projecting towards each other, a yoke carried by one of said end portions, and a latch carried by the yoke and having a wedge portion adapted to engage between the end portions for locking said handle members against relative movement.

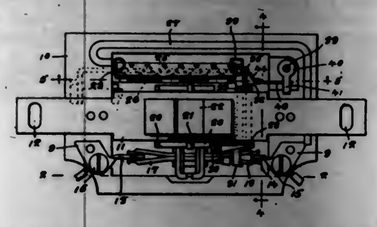
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2,119,079
**MANUFACTURE OF ALKYL HALIDES**
Thomas Kane, Holborn, London, England, assignor to Edward Halford Strange, London, England
No Drawing. Application February 13, 1934, Serial No. 711,073. In Great Britain February 13, 1933
10 Claims. (Cl. 260—166)

1. A batch process for the manufacture of alkyl halides consisting in reacting a hydro-acid of the halogens other than fluorine and iodine, and an olefine with from 3 to 7 carbon atoms in the molecule in the presence of a contact mass essentially including solid porous adsorbent in association with a solid material having a relatively high heat capacity with relation to the heat capacity of the contact mass at a temperature below the boiling point of the resulting product, then reducing the pressure and utilizing heat generated by the reaction to distil the product from the contact mass under the reduced pressure without application of external heat.

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2,119,080
**ELECTRIC SWITCH**
Ernest C. Kennedy, Houston, Tex.
Application July 19, 1937, Serial No. 154,484
1 Claim. (Cl. 200—122)



In an electric switch, fixed contacts one of which is longer than the other, a movable blade adapted to bridge the contacts and in any position engaging the long contact, a bi-metallic lever arm secured stationary at one end, a resistance element secured to the other end of the arm, a conductor extending from the arm to the short stationary contact, a spring pressed auxiliary contact pivotally mounted on the blade, a plunger connected to the bi-metallic arm and normally engaging said blade when the switch has been turned to the off position, the bi-metallic arm being heated and being adapted to curve outwardly and withdraw the plunger from engagement with the auxiliary contact to break the circuit at the end of a short lapse of time after the switch is turned to off position, a manually operable rotary screw, a tension spring secured at one end to the plunger, and a sleeve threadedly engaged with the screw and provided with a web having an inclined slot receiving the free end of the spring, rotation of the screw varying the tension of the spring to time the period during which the plunger remains in engagement with the auxiliary contact after the switch is turned to off position.

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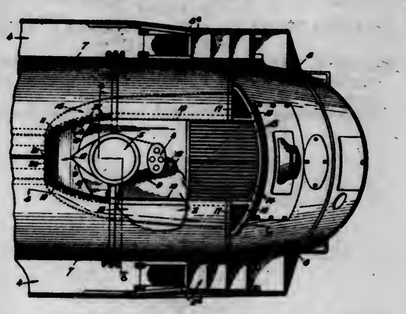
2,119,081
**MANUFACTURE OF FLOOR COVERINGS**
Richard G. Knowland, Pelham, N. Y., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn., a corporation of Massachusetts
Application January 25, 1936, Serial No. 60,823
7 Claims. (Cl. 28—1)



1. The method of making floor coverings which comprises constructing a plurality of pile areas connected end to end by a heading consisting of unwoven warp threads, binding together the warp threads by securing thereto a sheet of thermo-plastic material, separating adjacent floor coverings by severing simultaneously the heading and the thermo-plastic material, bending back the severed heading and thermo-plastic material and applying heat thereto to secure the bent back heading to the undersurface of the backing fabric.

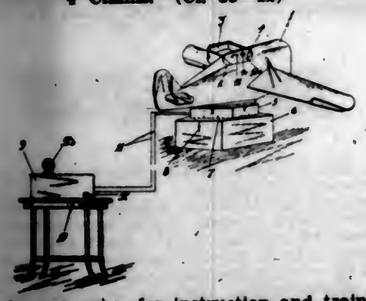
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2,119,082
**LOCOMOTIVE STRUCTURE**
William L. Lentz, Tuckahoe, N. Y., and Carl F. Kantola, Ashtabula, Ohio, assignors to The New York Central Railroad Company, a corporation of New York
Application September 26, 1935, Serial No. 42,343
5 Claims. (Cl. 105—2)



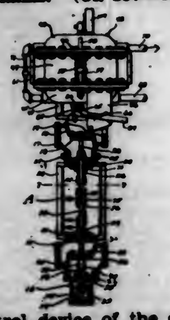
1. A locomotive having a boiler, a cab, a smoke stack located forwardly of the cab, an air scoop disposed adjacent to the stack and at least partially surrounding the stack and having an inclined rear surface for directing a current of air upwardly to lift the smoke and gases issuing from the stack to a level above the level of the cab, a central longitudinal air conducting channel extending forwardly from said scoop and communicating at its rear end therewith, a central air inlet at the front of the locomotive communicating with the air conducting channel, air inlets at the front of the locomotive located one on each side of said central air inlet, and air conducting ducts extending longitudinally of the locomotive adjacent to and on opposite sides of and substantially in the same horizontal plane as and substantially parallel with the longitudinal axis of the central channel and having inlet ends communicating with said side air inlets and outlet ends communicating with opposite sides of the scoop for discharging air into the scoop to augment the smoke lifting capacity of the first-named current of air.

2,119,083
**AVIATION TRAINER**
Edwin A. Link, Jr., Cortland, N. Y.
Application July 26, 1934, Serial No. 737,681
4 Claims. (Cl. 35—12)



1. An apparatus for instruction and training in flying by radio comprising a grounded trainer controllable as to direction, means observable from a position away from said trainer for indicating the compass position of said trainer, means in said trainer for receiving signals simulating radio signals broadcast to aeroplanes in actual flight, means for creating and transmitting such signals to said receiving means in accordance with the observed compass position of said trainer, and means on said creating and transmitting means for varying the intensity of such signals.

2,119,084
**AUTOMATICALLY AND MANUALLY OPERABLE VALVE**
Horace L. McQuisten, Oklahoma City, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 7, 1934, Serial No. 729,495
7 Claims. (Cl. 137—153)



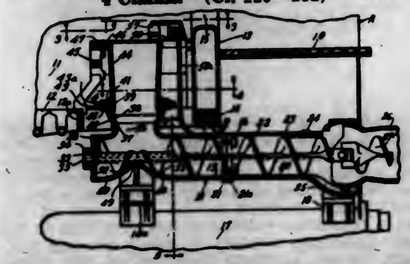
1. In a control device of the class described, a control valve embodying a stem, a cross beam connected to the stem, a diaphragm casing secured above the valve, a diaphragm in the casing, a beam connected to the diaphragm, a slide rod secured to each end of the diaphragm connected beam and slidable in said cross beam, spring means acting upon the cross beam to normally close the valve, manually operable control means for opening the valve and embodying a pair of push rods engageable with the cross beam for urging the cross beam in a direction opening the valve, a latch engageable with the manually operable control means for holding the valve open, and a tripping pawl carried by one of said slide rods for releasing the pawl to permit closing of the control valve by said spring means.

2,119,085
**DISPLAY UNIT**
Arthur B. Mull, Appleton, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Original application April 26, 1937, Serial No. 138,991. Divided and this application November 13, 1937, Serial No. 174,299
2 Claims. (Cl. 40—124.1)



1. A display unit comprising a body portion, one margin of said body portion being provided with a score line to form a flange portion, said flange portion being coated with a pressure sensitive adhesive for affixing the display unit to a supporting surface, said flange portion being scored to provide a free terminal tab portion hinged to the flange portion on said score line, said tab portion being bent at an angle to said flange portion to permit direct attachment of said free tab portion to said body portion by said adhesive for retaining said flange at an angle to said body portion.

2,119,086
**STOKER CONVEYER**
William C. Peyton, New York, N. Y., and Howard P. Anderson, Erie, Pa., assignors, by mesne assignments, to The Standard Stoker Company, Inc., a corporation of Delaware
Original application August 31, 1931, Serial No. 560,378. Divided and this application March 15, 1935, Serial No. 11,266
4 Claims. (Cl. 110—101)

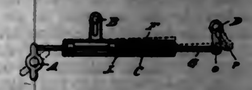


1. In combination, a base frame, a firebox mounted on said frame, a feed conduit disposed rigidly on said frame, a riser conduit pivotally connected at its lower end to said feed conduit for angular movement thereof about its lower end, said riser conduit communicating at its lower end with said feed conduit and extending upwardly in the firebox, and means carried by said firebox loosely engaging the upper end portion of said riser conduit for laterally supporting the riser conduit in the firebox in an upright position, the loose engagement of said riser conduit by said means permitting flexure at the area of engagement when relative movement between said frame and said firebox occurs.

2. In combination, a base frame, a firebox mounted on said frame, a feed conduit disposed rigidly on said frame, a riser conduit pivotally connected at its lower end to said feed conduit for angular movement thereof about its lower end, said riser conduit communicating at its lower end with said feed conduit and extending upwardly in the firebox, and a protecting wall inside the firebox partially surrounding and loosely embracing the upper end portion of the riser conduit for laterally supporting the riser conduit in the firebox in an upright position, the loose engagement of said riser conduit by said protecting wall permitting flexure at the area of engagement when relative movement between said frame and said firebox occurs.



2,119,087
**MECHANISM FOR ACTUATING GRAIN DROPPING DEVICES**
John N. Steet, Staunton, Ind., assignor of one-third to David Stigler and one-third to Bert M. Laymon, both of Clay County, Ind.
Application November 11, 1936, Serial No. 110,370
3 Claims. (Cl. 275—9)



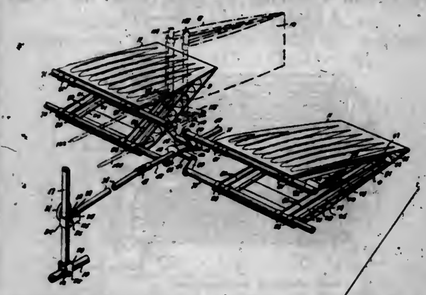
1. In a grain planter, a frame having a drive wheel and a trip rod, a cam secured to said wheel, a housing pivoted to said frame, a lever slidable in said housing and adapted to be engaged by said cam to impart movement to said rod in one direction, and a spring in said housing engaging said lever to impart movement through said lever to said rod in another direction.

2,119,088
**METHOD FOR PRODUCING FLAT BLANKS FOR ALUMINUM COOKING VESSELS**
Albert Friedrich Strack, Suresnes, France
Application October 3, 1935, Serial No. 43,437
In Germany October 11, 1934
4 Claims. (Cl. 29—148)



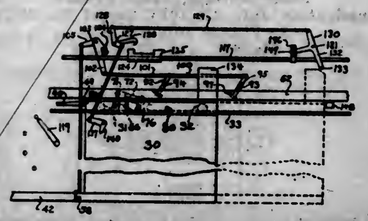
1. A method of producing a flat blank for an aluminum cooking vessel having the bottom portion of the vessel finished in the blank and the side wall material adjacent thereto, comprising placing a heated aluminum plate, which is of greater thickness and smaller diameter than the finished blank, on a block having a die therein corresponding to the bottom portion, and repeatedly subjecting the plate to forging blows by a forging tool at the same time lifting the plate from the block between each of the forging blows until the plate is forged to the desired diameter to include the side wall material of the finished vessel and the bottom portion has received the desired configuration corresponding to that in the die, said forging step being carried out by the application of a varying frictional resistance in order to regulate the ratio between the displacement of the metal to form the desired configuration of the bottom portion and the lateral extension of the side wall material.

2,119,089
**FLAP CONSTRUCTION**
Edward F. Zaparka, Baltimore, Md., assignor to Zap Development Corporation, Baltimore, Md., a corporation of Delaware
Application July 21, 1933, Serial No. 681,641
Renewed January 19, 1937
8 Claims. (Cl. 244—42)



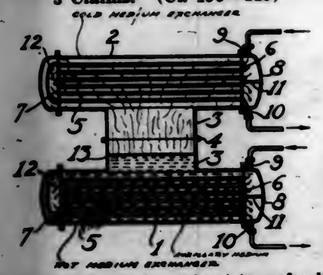
4. A combined longitudinal control and stabilization mechanism, for an airplane provided with a control stick, comprising split flaps, a single cam to operate the said flaps for purposes of longitudinal and stabilization control, said single cam being actuated by the control stick by means of the movement of a shaft, for purposes of elevational control, and means mounted on the control stick whereby the shaft may be rotated independently of the control stick for purposes of stabilization.

2,119,090
**JAIL LOCK AND THE LIKE**
Folger Adam, Joliet, Ill.
Application December 12, 1936, Serial No. 115,471
19 Claims. (Cl. 189—7)



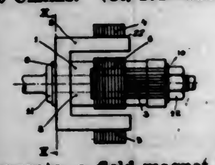
1. The combination with a series of reciprocatingly mounted cell doors located in alignment with each other, of a reciprocating master bar located in proximity to said cell doors and movable with a reciprocating movement sufficient to ensure complete door opening and closing movements, means under control of the operator for reciprocating said bar, suitable projections on each door, a hook block movably connected to the master bar corresponding to each cell door and adapted to at times engage the projections of the cell door for opening and closing movements, means for ensuring positive engagement of each hook block with its door projection during door opening movements and releasable spring means in conjunction with each hook block permitting movement of such hook block with respect to the master bar to permit disengagement of said hook block from the door projection under excessive strain during door closing movement, substantially as described.

2,119,091
**PROCESS AND APPARATUS FOR INDIRECT HEAT TRANSFER BETWEEN TWO LIQUID MATERIALS**
Vernon L. Atkinson, West Caldwell, N. J., and Clarence W. Foster, Paris, France, assignors to Standard Oil Development Company, a corporation of Delaware
Application November 29, 1935, Serial No. 52,204
3 Claims. (Cl. 196—119)



1. A process for indirect heat transfer between two liquid materials each of which tends to form carbonaceous deposits when heated comprising passing the hot liquid material through a series of narrow elongated passageways in heat exchange with a body of heat stable liquid in a shell, vaporizing said last mentioned liquid and conducting the vapors substantially freed of entrained liquid, into a second shell, passing the relatively cool liquid material through a series of narrow elongated passageways in said shell in heat exchange with said vapors, whereby they are condensed on said passageways, and returning the condensate to said liquid body.

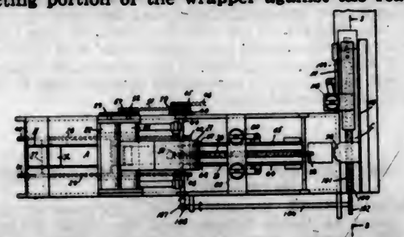
2,119,092
**MAGNETO**
Jean Bernard, Paris, France
Application July 23, 1935, Serial No. 32,763
In France July 24, 1934
9 Claims. (Cl. 171—252)



1. In a magneto, a field magnet comprising a magnetized straight bar supported to rotate on its longitudinal axis and having opposite pole ends, conductors of flux secured on said pole ends, each of said conductors having at least one branch extended in a direction substantially parallel to the magnet axis and being laminated in a direction parallel to the axis of rotation of the magnet, and pole-pieces provided respectively on the free ends of said branches and laminated in a direction perpendicular to the axis of rotation.

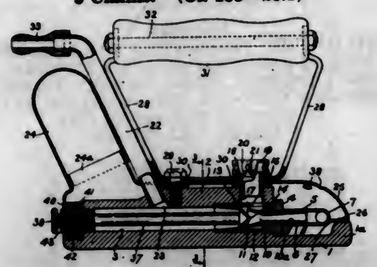
2,119,093
**WRAPPING MACHINE**
Wilhelm B. Brenander, Montclair, N. J.
Application June 27, 1936, Serial No. 87,638
3 Claims. (Cl. 93—2)

1. The method of wrapping an article which consists of feeding an article and wrapper in a predetermined path of movement, and during such movement folding the wrapper around the bottom, advance end and top of the article, tucking the advance end of the wrapper projecting beyond the sides of the article against the front end portions of said sides and folding the wrapper against the sides of the article, leaving the ends of the wrapper projecting beyond the rear end of the article, manually tucking the ends of the projecting portion of the wrapper against the rear



end of the article, transferring the article and wrapper to a path of movement and during such transfer folding upwardly the lower fold of the projecting portion of the wrapper at an angle to the first path of movement, feeding the article and wrapper in said second path of movement and during such movement folding the end upper fold against the rear end of the article and wrapper.

2,119,094
**GAS-HEATED LAUNDRY IRON**
Frederik Vilhelm Brostrom, Kingston-on-Thames, England
Application April 24, 1935, Serial No. 18,054
In Great Britain May 1, 1934
3 Claims. (Cl. 158—23.1)



1. A gas iron comprising a sole having a central longitudinal heat-retaining ridge upon its upper side, a cover having a top portion extending over and secured to said ridge, said cover having a peripheral wall projecting downwardly from said top portion, a burner tube between said peripheral cover wall and said ridge, said burner tube having a rearwardly projecting tubular gas and air admission plug, said ridge being provided with a longitudinal passage in the front end of which said gas and air admission plug is secured, said ridge being provided with a gas inlet into said passage and with an air inlet into said passage, and means within said passage for mixing the gas and air before entrance into the burner through said air and gas admission plug.

2,119,095
**DIRECTIONAL DRILLING DEVICE**
Charles N. Brummett, Wharton, Tex.
Application March 4, 1937, Serial No. 128,948
11 Claims. (Cl. 255—1)

1. A drilling device including, a mandrel adapted to be connected to the lower end of a drill

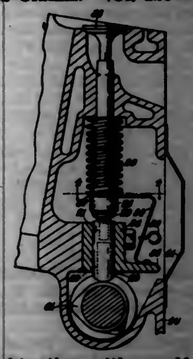


stem, a drill bit having driving connection with the mandrel and suspended from the lower end thereof and mounted to undergo a limited swinging movement, said bit normally being in axial



alinement with the mandrel as the same is lowered through the well bore, and means for swinging said bit to incline the same in a vertical plane when the bit strikes bottom, whereby the direction of drilling is changed.

2,119,096
**TAPPET MECHANISM**
Arthur Burton Buckley, Carshalton, England
Application March 23, 1937, Serial No. 132,469
In Great Britain October 19, 1936
12 Claims. (Cl. 123—90)

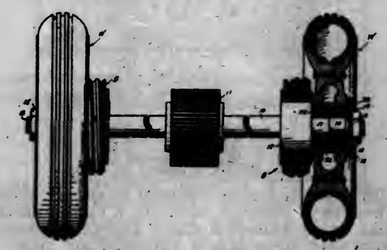


1. The combination with a self-adjusting distance piece for tappet mechanism and comprising a body adapted when mounted on a tappet to extend with respect to the tappet to take up tappet clearance and a loading spring for effecting said extension, of a locking and unlocking device for locking together and releasing the tappet and the self-adjusting distance piece.

2,119,097
**PRODUCTION OF LUBRICATING OIL DYES**
Ejnar W. Carlson, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 22, 1932, Serial No. 629,266
6 Claims. (Cl. 196—10)

1. A lubricating oil possessing a green fluorescence, comprising a mixture of a petroleum lubricating oil with a minor proportion of a heavy condensate recovered from the treatment of a normally gaseous hydrocarbon at a temperature above 700° F. and a pressure above 1000#/sq. in.

2,119,098
**CLUTCH MECHANISM FOR WHEEL DIFFERENTIALS**
William G. Chryst, Philadelphia, Pa.
Application May 21, 1937, Serial No. 143,928
3 Claims. (Cl. 192—43)



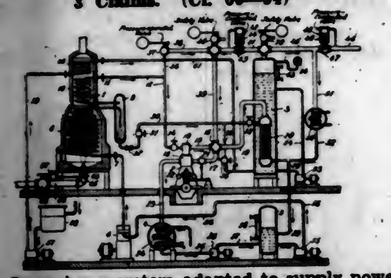
1. In a wheel differential including a single unitary axle and a wheel carried by the axle at each end thereof, clutch mechanism for establishing a driving connection between the axle and one of the wheels comprising a surface on the axle coaxial therewith, another surface adjacent to the first mentioned surface but eccentric with respect to the axis of the axle, cylindrical collars carried by said surfaces, certain of said collars being formed with bores eccentric to the outer cylindrical surface thereof, and which bores receive the said eccentric surface, and a sleeve disposed about said collars and constituting the hub of the wheel.

2,119,099
**SMOKER'S PIPE**
Joseph F. Daly, Thomas J. Daly, and Carroll H. Daly, Philadelphia, Pa.
Application December 31, 1936, Serial No. 118,498
2 Claims. (Cl. 131—12)



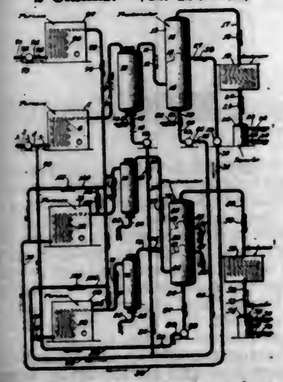
2. The combination with a pipe having a bowl and a mouthpiece, a stem having a central tube, collars adjacent the ends of the tube, a member of finely meshed fabric surrounding the tube, a cylindrical perforated element surrounding the mesh fabric and secured at its ends to the collars, said mesh fabric consisting of a cylindrical member having a plurality of folds intermediate the ends thereof and engaging the tube, the cylindrical element, and the collars, and a baffle member positioned within the tube, said baffle member having a central rod of smaller diameter than the tube and substantially cam-shaped baffles at spaced intervals on the rod, each baffle having an edge thereof of semi-circular form and an adjacent edge tangent to the surface of the rod, the semi-circular portion thereof being in contact with the inner tube whereby a tortuous smoke passage is provided in the stem.

2,119,100
STEAM GENERATING PLANT
Hans Conrad Egloff, Winterthur, Switzerland, assignor to Sulzer Freres Societe Anonyme, Winterthur, Switzerland
Application March 6, 1935, Serial No. 9,606
In Switzerland March 9, 1934
3 Claims. (Cl. 60—94)



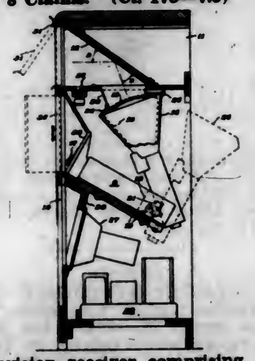
1. In a steam system adapted to supply power and heat in fluctuating amounts, a high pressure tubular continuous-flow steam generator having a vaporizing zone and a superheating zone, a pump conveying feed liquid in unvarying amount to the steam generator, a liquid separator connected between the vaporizing and superheating zones of the steam generator, an engine plant having high and low pressure stages, said high pressure stage being connected to receive superheated high pressure steam from the superheating zone of the steam generator, a low pressure steam generator having a steam receiving heating element connected between the low and high pressure stages of the engine plant, and a pipe conveying unevaporated liquid from the liquid separator to the steam receiving heating element of the low pressure steam generator.

2,119,101
TREATMENT OF HYDROCARBONS
Gustav Egloff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 21, 1937, Serial No. 156,745
2 Claims. (Cl. 196—62)



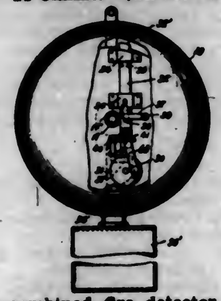
1. In the conversion of hydrocarbon oils heavier than gasoline into more valuable products, the method which comprises cracking the oil and separating therefrom at least two fractions of different boiling points, hydrogenating the lighter of said fractions by subjection to hydrogenating conditions of temperature and pressure, independently hydrogenating the heavier of said fractions at higher temperature and under lower pressure than the lighter fraction, combining the vapors formed by the independent hydrogenation of said fractions, fractionally condensing the resultant vaporous mixture to form a plurality of condensates, and recycling the heavier of said condensates to the cracking step.

2,119,102
TELEVISION RECEIVER
Mark Flaherty, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1936, Serial No. 108,511
8 Claims. (Cl. 178—7.5)



1. A television receiver comprising a cabinet having a shadow box located at the top thereof, a mirror positioned in said shadow box and located toward the front thereof with the reflecting surface facing the open end of the shadow box, said mirror being inclined at an angle to the horizontal which is less than 45 degrees, and a cathode ray tube including a fluorescent screen upon which a received picture appears, said cathode ray tube being located below said mirror and at such an angle thereto that a line normal to said screen makes an acute angle with said mirror which is substantially equal to the acute angle which said mirror makes with the horizontal.

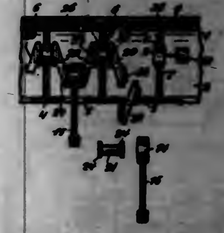
2,119,103
FIRE ALARM AND EXTINGUISHER
Joseph Grison, New York, N. Y., assignor to National Fire Detector Corporation, a corporation of Delaware
Application April 16, 1935, Serial No. 16,696
14 Claims. (Cl. 169—26)



1. In a combined fire detector, extinguisher, and alarm, an alarm ringing member, actuating means normally tending to operate said member, a temperature controlled member to hold or release said alarm ringing member, a fire extinguishing agent, and means whereby said alarm ringing member upon being operated releases said extinguishing agent.



2,119,104
ENGINE STRUCTURE
Hellmuth Hirth, Stuttgart-Zuffenhausen, Germany, assignor to Hirth-Motoren G. m. b. H., Stuttgart-Zuffenhausen, Germany
Application August 28, 1936, Serial No. 98,369
In Germany September 2, 1935
2 Claims. (Cl. 121—194)



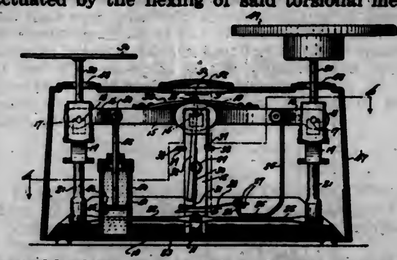
1. A crank case for the crank shaft of an internal combustion engine comprising a substantially closed case body consisting of a curved shell and end walls made all in one piece, said case being merely formed with openings for the introduction of the bearings and the parts of a composite crank shaft, a partition in the case subdividing same into a plurality of chambers.

2,119,105
PROCESS FOR THE PURIFICATION OF SILICA
Robert Hutchinson and John Arthur Newbold, Nottingham, England
No Drawing. Application December 16, 1935, Serial No. 54,712. In Great Britain December 21, 1934
7 Claims. (Cl. 252—9)

4. The method of purifying sand to render it fit for the manufacture of colorless glass, comprising, partially filling a closed vessel with dilute sulphuric acid, adding to said solution both said sand and a substance which is chosen from the group consisting of zinc, oxalic acid, formic acid, sodium formate, and potassium ferro-cyanide, which substance in combination with sulphuric acid evolves a gas which reduces ferric sulphate, heating said vessel, and finally washing said sand after the vessel has been opened until the sand has been purified.

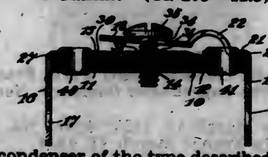
2,119,106
WEIGHING SCALE
Leonard T. Johnson, Maplewood, N. J.
Application December 12, 1936, Serial No. 115,567
6 Claims. (Cl. 265—54)

1. In a scale, a stationary frame structure, a beam fulcrumed thereon, a unitary torsional means comprising angularly related portions rigidly connected one with the other, one portion of said torsional means being fixedly connected with the stationary frame structure and another portion thereof being fixedly connected to the beam, an indicator means connected with and actuated by the flexing of said torsional means



caused by beam movement, and a dial plate with which said indicator means cooperates.

2,119,107
CONDENSER
Lyman G. Ketcham, Brooklyn, N. Y., assignor to Teleradio Engineering Corporation, New York, N. Y., a corporation of New York
Application September 12, 1934, Serial No. 743,710
4 Claims. (Cl. 175—41.5)

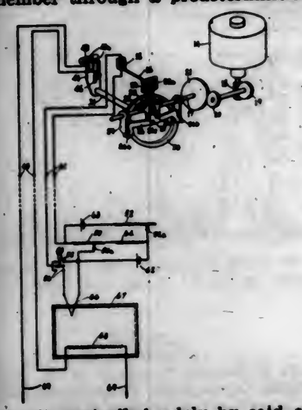


1. A condenser of the type described comprising a flat base of insulating material, a thin metallic plate on a surface of said base, a thin strip of dielectric material over said plate, a fastening member for securing said plate and said dielectric strip to said base near one end thereof, said plate having an angular downwardly extending portion resting against an end of said base and cooperating with said member for preventing movement of the plate relative to the base, a second plate having a portion secured to said base near the other end thereof and beyond an end of said first plate and having another portion resiliently forced upwardly from said base over said first plate, and means for drawing said upwardly extending portion of said second plate toward the base against the said resiliency of the second plate, said upwardly extending portion overlying only that part of the first plate inward of said fastening member.

2,119,108
CONTROL SYSTEM
Daniel J. Lane, Wyndmoor, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 29, 1934, Serial No. 750,453
7 Claims. (Cl. 236—78)

1. An electric control system comprising an element movable from a neutral position solely in response to departure of the magnitude of a condition from a desired value, means for integrating movements of said element from neutral position including a pivotally mounted driven member operable by continuing step-by-step movements, the number of steps depending upon the duration, and the length of each step depending upon the extent, of said departure of said condition from said predetermined value, a gravity-operated electric switch mounted on said driven member and having a pair of contacts the circuit controlling condition of which is changed

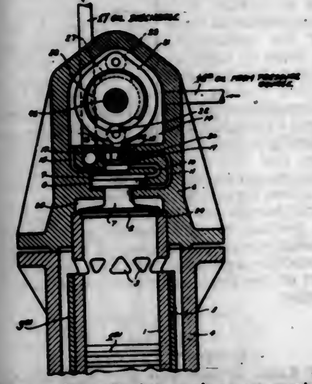
only in response to integrated movement of said driven member through a predetermined angle,



and a circuit controlled solely by said contacts for controlling said condition.

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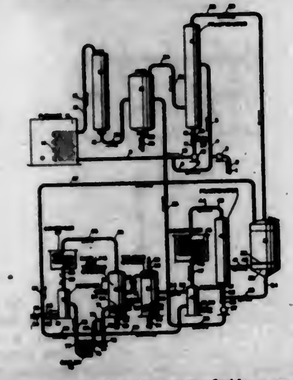
2,119,109
VALVE GEAR
Auguste Adelin Gustave Magis, Paris, France, assignor to The Superheater Company, New York, N. Y.
Application March 12, 1935, Serial No. 10,617
In France March 13, 1934
3 Claims. (Cl. 121—157)



1. In a multi-cylinder engine; an engine block formed with longitudinally extending inlet and outlet chambers common to the power cylinders and with a fluid reservoir; a plurality of power cylinders aligned along said block and each connecting at one end thereof with said inlet chamber; individual poppet valves located at said end of each cylinder and controlling the admission of actuating fluid to the latter from said inlet chamber; a plurality of pistons having stems connecting them to said poppet valves in coaxial relation; ducts leading to each side of each piston; pilot valves individual to the ducts for the respective pistons and operating in chambers connecting with said fluid reservoir, with the related ducts, and with fluid exhaust means for controlling said related ducts to alternately connect either side of the corresponding piston with said reservoir and simultaneously connect the other side thereof with said exhaust means; a camshaft extending along said block and provided with cams individual to and operatively connected with said pilot valves for operating the latter; and means for supplying fluid to and maintaining it under pressure in said reservoir.

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2,119,110
TREATMENT OF HYDROCARBON OILS
John Warren McCaffrey, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 10, 1934, Serial No. 734,495
18 Claims. (Cl. 44—9)



6. In a process for the pyrolytic conversion of hydrocarbon oils wherein the oil is subjected to conversion conditions of temperature and pressure, resulting vaporous and non-vaporous products separated, the vapors subjected to fractionation for the removal of their insufficiently converted components, the fractionated vapors subjected to polymerization for the conversion of normally liquid unsaturated components of the vaporous products into saturated compounds, the resulting vaporous products subjected to condensation by cooling and the resulting distillate and gaseous products recovered and separated, the improvement which comprises subjecting the gases to chemical treatment for the conversion of unsaturated components thereof into dioxane, recovering the dioxane, returning a regulated portion thereof to the polymerizing step as a polymerizing agent and commingling another regulated portion of the dioxane with said distillate product.

17. Motor fuel comprising gasoline containing as an improver a small amount of dioxane.

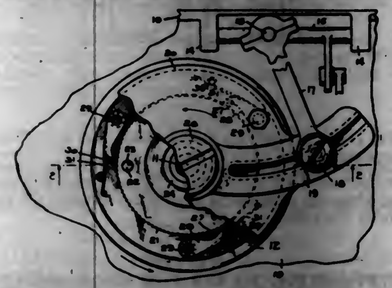
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2,119,111
BUTTONHOLE STITCHING ATTACHMENT
George Minkowitz, New York, N. Y.
Application August 13, 1937, Serial No. 158,851
1 Claim. (Cl. 74—142)

In a buttonhole stitching attachment a driving mechanism for intermittently rotating a shaft comprising a driven disc fixed on said shaft, said disc having a hub portion projecting axially to the end of the shaft and an integral axially projecting circumferential flange, a ratchet wheel of a diameter smaller than the inner diameter of said flange, disposed within said flange on the hub of said driven disc and rigidly connected with the latter, said ratchet wheel



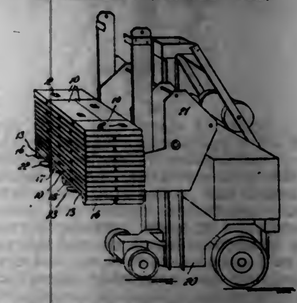
having a hub portion projecting beyond the hub of the driven disc and the end of the shaft and being internally threaded, an oscillating carrier disc of a diameter exceeding the inner diameter of said flange and being rotatably arranged on the projecting hub portion of said ratchet wheel, said oscillating disc carrying circumferentially spaced pawls yieldably engaging the teeth of said ratchet wheel to impart thereto and to the driven



member an intermittent rotary movement in one direction, and a set screw having a head overlapping the bore of said carrier disc and being screwed into said threaded hub portion of the ratchet wheel to hold said carrier disc in contact with said flange whereby said pawl and ratchet mechanism is tightly enclosed in a casing formed by the carrier disc, the driven disc and the circumferential flange of the latter.

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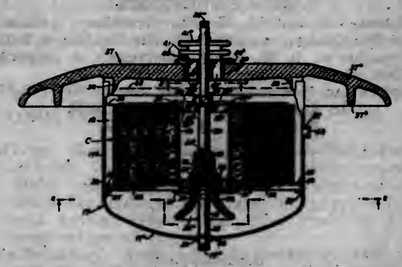
2,119,112
METAL HANDLING
Willard E. Mitchell, Great Falls, Mont., assignor to Anaconda Copper Mining Company, New York, N. Y., a corporation of Montana
Application March 11, 1936, Serial No. 68,170
14 Claims. (Cl. 214—152)



9. The method of shipping metal which comprises casting a portion of the metal in the form of base elements each comprising a slab having an opening extending therethrough and having supporting legs formed integrally therewith and disposed adjacent the ends thereof, casting another portion of the metal in the form of slabs provided with openings and projections so arranged as to permit registration of the projections of the slabs with the openings in the bases and the openings in adjacent slabs when the slabs are piled on the bases, and placing the slabs and the bases in or on a suitable conveyance with the slabs mounted on the bases, with the outer extremities of the legs of the bases in contact with the supporting surface of the conveyance and with the openings and projections of the bases and slabs in registration to prevent substantial displacement of the slabs relatively to the base and relatively to one another by jarring or bumping incident to movement of the conveyance in transportation and to facilitate removal of the piles of slabs at their destination by the insertion between the supporting legs of the bases of a lifting or supporting portion or platform of a truck or other lifting device.

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2,119,113
ELECTRIC CONDENSER CONSTRUCTION
Bror G. Olving, Hamden, Conn., assignor to Products Protection Corporation, a corporation of Delaware
Application November 25, 1933, Serial No. 699,666
19 Claims. (Cl. 175—41)



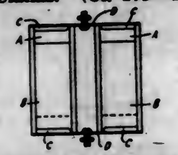
1. In high voltage condenser construction, in combination, two-ended supporting means comprising two elongated metal parts and insulating means for mechanically interconnecting said parts at their adjacent ends, a metallic casing having side and bottom walls, the bottom wall having a substantially central aperture and one of said parts extending into said aperture and being secured and sealed to said bottom wall and the other of said parts projecting outwardly through the open end of said casing, a condenser within said casing, one terminal of said condenser being in electrical connection with said outwardly projecting part and the other terminal being in electrical connection with said casing, said condenser being spaced from the walls of said casing and having at least one passage therethrough, said supporting means extending through said passage without closing the latter, a liquid dielectric and cooling medium within said casing and within which said condenser is submerged, for movement through said passage and the spaces between said condenser and said casing walls and for thereby transferring heat from said condenser to said casing, a combined closure and insulating member closing the open end of said casing and having an aperture therein through which said outwardly projecting part freely passes, and a flexible metallic member exterior of said closure and insulating member and sealed both to the latter and to said outwardly projecting part, whereby said insulating member is relieved of strains to which said supporting means may be subjected.

11. In condenser construction, in combination, an annular condenser construction having ring-like means at its opposed ends for supporting engagement therewith, a supporting structure for said ring-like means comprising two rod-like parts of metal substantially alined axially, one of said parts being in engagement with both of said ring-like means, one of said ring-like means having seat-forming means, and means insulatingly interlocking the other of said metal parts to said seat-forming means.

2,119,114
**LUBRICATING OILS**
Roger W. Richardson and John J. Owen, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 31, 1935, Serial No. 57,013
7 Claims. (Cl. 87—9)

1. A process for improving the oxidation characteristics of a lubricating oil which comprises adding thereto an oxidation inhibitor and a small amount of an open chain alcohol having at least 10 carbon atoms and unadulterated by other oxygen-containing organic compounds formed as by-products in the production of alcohols by the oxidation of hydrocarbons.

2,119,115
**MICA CONDENSER**
Johannes Rohnfeld, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 3, 1934, Serial No. 752,079
In Germany November 9, 1933
9 Claims. (Cl. 175—41)



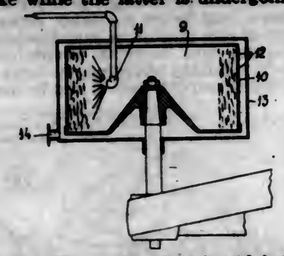
1. A sheet condenser comprising a plurality of insulating sheets, each insulating sheet acting as a dielectric and a support for a plurality of metallic coatings located on the two surfaces of said insulating sheets, the ends of said sheets having a metallic terminal strip pressed around each end edge of the insulating sheet and each in contact with a metallic coating, a mounting frame located at each end of said insulating sheets, and fastening means for securing each mounting frame to said metallic terminal strips.

2,119,116
**TREATMENT OF CELLULOSE ESTERS**
Aladar Schuller, Remi-Gustaaf Tritsmans, and Sergius Hendricx, Anvers, Belgium, assignors to Gevaert Photo-Producten, N. V., Anvers, Belgium
No Drawing. Application September 29, 1936, Serial No. 103,148. In Austria October 2, 1935
6 Claims. (Cl. 260—102)

1. The process of rendering cellulose esters of organic acids stable which comprises treating the solid ester in a two stage process first at a temperature ranging between 70 and 100° C. with an aqueous solution containing about 0.1 to 1% of an acid and after removal of the acid at a temperature not exceeding 80° C. with a substance of alkaline reaction in the presence of a liquid the proportion of the substance to the said liquid being about 0.1–1.0 to 100.

2,119,117
**METHOD OF TREATING CELLULOSE**
Aladar Schuller, Antwerp, and Remi-Gustaaf Tritsmans, Mortsel, near Antwerp, Belgium, assignors to Gevaert Photo-Producten, N. V., Antwerp, Belgium
Application December 1, 1936, Serial No. 113,646
In Austria December 5, 1935
1 Claim. (Cl. 260—101)

The method of displacing water from wet, loose cellulose and pretreating the same which comprises first compressing said cellulose into a cake in a centrifugal filter by centrifugal action and then spraying pretreating liquid onto said cellulose cake while the latter is undergoing centrifugal action, the pretreating liquid being forced through said cellulose cake by centrifugal action and thereby displacing the water originally contained therein.



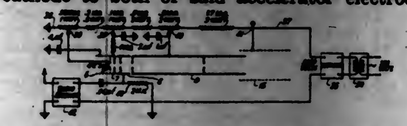
2,119,118
**SUPPORTING MEANS FOR ECONOMIZERS**
John H. Sengstaken, Plandome, N. Y., assignor to The Superheater Company, New York, N. Y.
Original application June 17, 1936, Serial No. 85,670. Patent No. 2,088,931, dated August 3, 1937. Divided and this application December 22, 1936, Serial No. 117,127
3 Claims. (Cl. 122—510)



1. In a boiler; a steam and water drum disposed above a gas passage leading to the boiler off-take; a water drum therebelow; rows of downcomer tubes arranged along opposite walls of said gas passage and connecting said drums; an economizer positioned in said gas passage between said rows of tubes; and members disposed in spaces between adjacent tubes of said rows connecting said economizer to a support thereabove for suspending the economizer therefrom.

2,119,119
**CATHODE RAY TUBE**
Isaac Shoenberg, London, George Edward Condliffe, Buckinghamshire, and William Francis Tedham, Abbey Wood, London, England, assignors to Electric and Musical Industries Limited, Hayes, England, a company of Great Britain
Application September 28, 1934, Serial No. 745,838
In Great Britain October 3, 1933
9 Claims. (Cl. 250—27)

1. An electric circuit comprising a cathode ray tube, comprising a cathode, an apertured shield electrode, an apertured accelerator electrode, an apertured decelerator electrode, a second apertured accelerator electrode, an anode and a screen; means for supporting said electrodes progressively in register with said cathode, means for applying potentials positive with respect to the cathode to both of said accelerator electrodes,



means including a resistance to maintain the decelerator electrode negative with respect to the cathode, and means for supplying signalling potential across the resistance.



2,119,120
**METHOD OF TREATING LUBRICATING OILS**
Jere C. Showalter, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 28, 1936, Serial No. 113,252
7 Claims. (Cl. 196—40)

1. Method of preventing the formation of a wax haze in acid treated lubricating oils derived from petroleum naturally containing only small amounts of wax which comprises adding to the raw lubricating oil prior to acid treating a small quantity of an acid sludge obtained in the acid treating of a lubricating oil derived from a paraffin base petroleum.

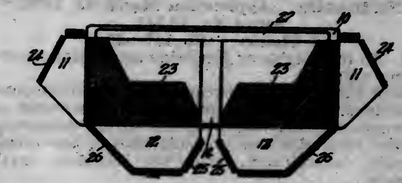
2,119,121
**TWO-STROKE COMBUSTION ENGINE**
Gustav Steinlein, Mainberg, near Schweinfurt, Germany
Application December 7, 1935, Serial No. 53,307
In Germany December 8, 1934
4 Claims. (Cl. 123—65)



4. A two-stroke combustion engine including a cylinder having a pair of diametrically opposed gas admission ports, the axes of which are inclined toward each other at equal angles with respect to the cylinder axis, exhaust ports between said admission ports, and a piston adapted to reciprocate in said cylinder, and provided with a frusto-conical head forming surfaces adjacent to said admission ports adapted to initially direct the streams of admitted gases steeply into the cylinder head in two counter-streams, and then to incline said streams toward each other during the scavenging movement of the piston so that the intersecting point of the incoming streams will move along the axis of said cylinder and away from the cylinder head during said scavenging movement.

2,119,122
**CONTAINER**
William H. St. Thomas and Otto D. Weydener, Gloversville, N. Y., assignors to E. J. Wilkins Co., Gloversville, N. Y., a corporation of New York
Application June 22, 1937, Serial No. 149,604
2 Claims. (Cl. 150—38)

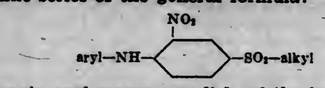
2. A container of the billfold type comprising an outer wall having portions thereof folded to form inner walls, a pocket forming member interposed between said outer and inner walls, said member having an anchor piece secured thereto adjacent the inner walls, and said inner walls



having their innermost edges folded around and secured to corresponding edges of said anchor piece, and said anchor piece secured to the said pocket forming member along the end and bottom to define an upwardly and inwardly opening pocket.

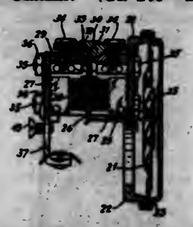
2,119,123
**CONDENSATION PRODUCTS OF THE DIPHENYLAMINE SERIES**
Werner Zerweck, Frankfort-on-the-Main-Fechenheim, Norbert Steiger, Frankfort-on-the-Main, and Heinrich Ritter, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 27, 1936, Serial No. 113,010. In Germany November 28, 1935
4 Claims. (Cl. 260—128)

1. The condensation products of the diphenylamine series of the general formula:




wherein aryl means a radicle of the benzene series and alkyl stands for a low alkyl radicle, which condensation products are useful for dyeing lacquers and acetate silk, whereby bright greenish yellow to orange shades of excellent fastness properties are obtained.

2,119,124
**TELEPHONE**
Arthur G. Zimmerman, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 30, 1933, Serial No. 704,807
3 Claims. (Cl. 179—119)



3. A telephone motor of the polarized type comprising a pair of laminated pole pieces each provided with a pair of key members, a frame member provided with a slot firmly fitting said key members, and a cover plate constituting the top of the keyway and pressing said key firmly against said frame member.

2,119,125
**FUNGICIDES AND INSECTICIDES**
Myron Vernon Anthony, New Haven, Conn., assignor to Stauffer Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application March 23, 1935, Serial No. 12,741
6 Claims. (Cl. 167—20)

1. An insecticide or fungicide containing amorphous sulphur.

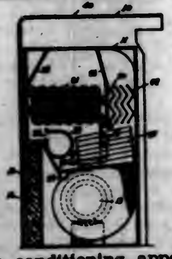
3. A fungicidal or insecticidal composition containing sulphur and a fraction of a per cent of a compound selected from the group consisting of the sulphides and polysulphides of the alkali metals, ammonium, and the alkaline earth metals.

2,119,126
**THERMOMETER**
James A. M. Bising, Jersey City, N. J., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a corporation of New Jersey
Application February 4, 1937, Serial No. 123,980
5 Claims. (Cl. 73—343)



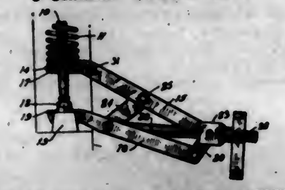
3. A thermometer comprising a supporting strip having a scale thereon, a capillary tube secured to said strip and an open cage surrounding the strip comprising a helically wound wire, the convolutions of the cage extending below the strip and terminating at the upper end in a bail.

2,119,127
**VENTILATING AND CONDITIONING SYSTEM**
Willis H. Carrier, Essex Fells, and John H. Holton, Maplewood, N. J., assignors, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware
Application April 5, 1935, Serial No. 14,812
3 Claims. (Cl. 98—38)



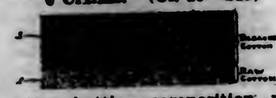
1. In an air conditioning apparatus, a first passage, conditioning means in said first passage, a second passage adjacent said first passage, means including a duct below said first passage and running substantially lengthwise thereof for routing a first volume of fresh air through said first passage only, in contact with said conditioning means, and means for supplying a second volume of return air to said second passage, and means for supplying said first and second air volumes to an enclosure served by the apparatus.

2,119,128
**VALVE SPRING COMPRESSOR**
Ira J. Clark, Fort Morgan, Colo.
Application June 14, 1937, Serial No. 148,141
5 Claims. (Cl. 29—96.3)



1. A valve spring compressor comprising: a first and upper arm member; a second and lower arm member, said arm members being bifurcated at their one extremity; supporting flanges extending inwardly from the furcations of said latter extremities; a short link member hinged to and connecting said arm members adjacent their other extremity; a long link member hinged to and connecting said arm members intermediate said first link member and said furcated extremities; a tension member extending diagonally from the lower hinge point of said long link to the upper hinge point of said short link; and means for drawing upon said tension member to swing said links and cause said arm members to separate.

2,119,129
**COTTON BATTING**
Russell S. Dwight, Cincinnati, Ohio, assignor to The Stearns & Foster Company, Lockland, Ohio, a corporation of Ohio
Application May 21, 1937, Serial No. 144,014
6 Claims. (Cl. 19—145)

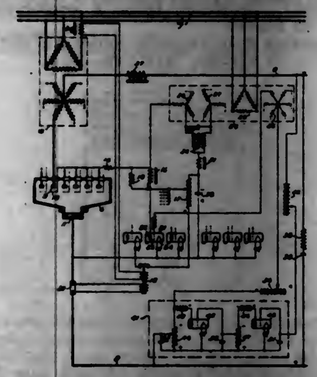



1. A cotton batting composition, which possesses the capacity to absorb a large amount of liquid and to hold this liquid when the batting is used as a wet dressing, which cotton batting composition comprises a relatively thick layer of absorbent cotton fibres and a relatively thin layer of cotton fibres of the type exemplified by raw cotton fibres.

2,119,130
**ELECTRIC VALVE CONTROL SYSTEM**
Charles Ehrensperger, Baden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland
Application October 12, 1935, Serial No. 44,671
In Germany October 15, 1934
22 Claims. (Cl. 175—363)

1. In an electric translating system, an electric valve having an anode with an associated control electrode and a cathode, an input circuit and an output circuit for said valve, one of said circuits being an alternating current circuit, a resistor, an auxiliary valve for supplying a substantially uniform rectified current to said resistor from said alternating current circuit, and means for controlling the operation of the first said valve including means for impressing on the control electrode thereof a potential component equal to the voltage across a portion of said resistor and another potential component proportional to the current through said auxiliary valve.





14. In an electric translating system, an electric valve having an anode with an associated control electrode and a cathode, an input circuit and an output circuit for said valve, one of said circuits being an alternating current circuit, means for controlling the conductivity of said valve including a static regulator having input connections responsive to the presence of variations in an electrical characteristic of said output circuit for producing a variable control voltage, and means for rendering the magnitude of the variations of the control voltage independent of the magnitude of the variations of the electrical characteristic.

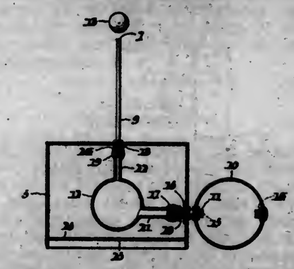
2,119,131
**METHOD OF PREPARING DITHIAZYL DISULPHIDES**
Albert J. Gracia, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 16, 1937, Serial No. 137,269
3 Claims. (Cl. 260—16)

1. A process of preparing a dithiazyl disulphide which comprises preparing a slurry of the corresponding 1-mercaptothiazole, adding to the slurry at least the molecular equivalent of a nitrite capable of yielding nitrogen oxides when treated with an acid substance and then supplying an acid substance to the slurry until the reaction has been completed.

2,119,132
**RECOVERY OF TAR ACIDS**
Julius George Hatman, Ridley Park, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a corporation of Delaware
Application April 12, 1935, Serial No. 16,240
3 Claims. (Cl. 260—154)

1. A process of removing tar acids from tar that comprises separately mixing with the tar a constant proportion of an aqueous caustic soda solution and a constant proportion of water, centrifuging the resulting mixture to remove the tar, recycling the aqueous liquid recovered from the centrifuge by mixing it with additional tar and recovering the tar acids from the recycled aqueous liquid.

2,119,133
**TOY**
Kenneth P. Hogan, Philadelphia, Pa., assignor to Hogan Inventions, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application October 29, 1937, Serial No. 171,612
3 Claims. (Cl. 46—44)



3. In a toy, the combination of a casing and support structure; an upward directed fluid nozzle having a supply connection extending down through the top of said casing and attached thereto; an elastic bulb outside said casing, for pumping fluid to said nozzle, with an air delivery connection extending into the casing through its side; and an elastic pressure equalizing reservoir in said casing suspended from said nozzle supply connection, and also connected to said bulb delivery connection.

2,119,134
**GRILLE CONSTRUCTION**
John Karmazin, Huntington, Ind., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 31, 1935, Serial No. 24,279
2 Claims. (Cl. 98—114)



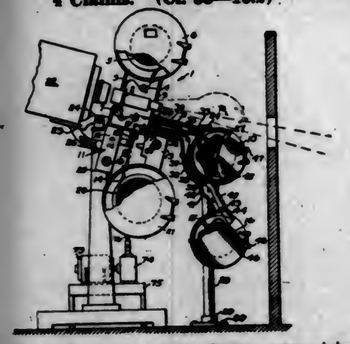
1. A grille comprising a plurality of fin elements bounded by a frame member, said fin elements having projections extending therefrom, said projections being telescoped into adjacent projections and secured thereto, said fin elements being uniformly spaced apart by said projections and dividing a fluid stream adapted to pass through the grille into a plurality of segregated streams, each of said fin elements having a portion adjacent said projections pressed to surround the projections and extend perpendicular to the axis thereof for increasing the structural strength of the grille intermediate its bounding frame, each of the fin elements also having a curved portion extending outwardly away from the pressed portion thereof on each side of the grille, and the curved portion of the fin elements extending substantially continuously throughout the length of each element and parallel to the curved portion of adjacent fin elements to direct the flow of fluid through the grille.

2,119,135
**CONTAINER OPENING DEVICE**
Maximilian Paul Link, Los Angeles, Calif.
Application May 9, 1936, Serial No. 78,843
18 Claims. (Cl. 113—1)



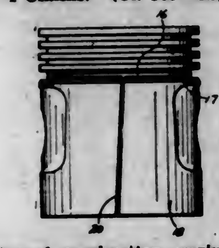
1. A device for opening a container having a cap secured thereto by a seam flange which device includes, a body, two toothed wheels in meshing cooperation, one wheel rotatably carried by the body and having a peripheral groove cooperating with the flange, the wall of the groove being shaped to curl the flange outwardly from the container, the other wheel rotatably carried by the body and having a knurled periphery for engaging an outer end surface of the flange to maintain the proper engagement between the first named wheel and the flange, means for shifting one wheel relative to the other to effect engagement of the wheels with the flange, and means for rotating one of the wheels to effect movement between the container and the wheels.

2,119,136
**COMBINED MOTION PICTURE AND SOUND REPRODUCER**
Roy C. McClay, West Los Angeles, Calif., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application November 30, 1934, Serial No. 755,378
4 Claims. (Cl. 88—16.2)



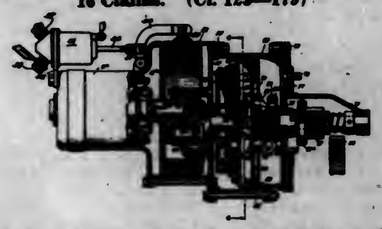
1. A sound picture reproducer comprising a picture projector having a side wall, a sound head, apertures in said side wall, a standard on which said projector is pivoted, two reel housings in vertical alignment, a second standard for mounting said housings, a connection between said housings, said connection being articulated for adjustable movement therebetween, when said projector is tilted film conduits extending from said housings respectively for communicating with said apertures respectively, and film traversing means cooperating therewith for traversing separate sound and picture films through said projector respectively.

2,119,137
**PISTON**
George L. Moore, Cleveland, Ohio, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, a corporation of Ohio, as trustee
Application July 25, 1933, Serial No. 682,051
4 Claims. (Cl. 309—12)



1. An internal combustion engine piston including a head having a substantially cylindrical depending ring flange, and a skirt partially integral with the lower edge of said ring flange, and carrying aligned wrist pin bosses, said skirt being formed with opposed thrust faces between said bosses, one of said thrust faces being separated at its upper edge from said head and having a substantially vertical slot formed therein, said skirt being initially ground to a substantially circular sectional contour with a diameter substantially less than the diameter of a circular cylinder in which the piston is to operate, and means pressing said slotted thrust face outwardly beyond its initial contour so that the piston when cold fits the cylinder with a relatively small clearance at the ends of the diameter perpendicular to the wrist pin axis, said means being yieldable so that said piston may return to a substantially circular contour with a relatively small clearance from said cylinder throughout its circumference when said piston is heated to operating temperature.

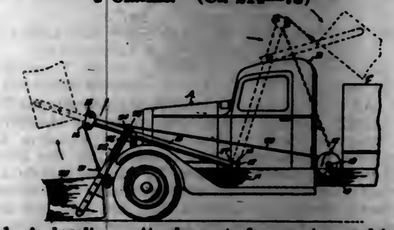
2,119,138
**ENGINE STARTER**
Romeo M. Nardone, East Orange, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application June 20, 1932, Serial No. 618,295
16 Claims. (Cl. 123—179)



1. In apparatus of the class described, an electric motor having a shaft, reduction gearing adapted to be driven by said shaft, a flywheel drivably mounted on said shaft and surrounding said gearing, means including a self-energizing clutch for transmitting torque from said gearing to a member of an engine to be started, and a second clutch interposed between said flywheel and said first-named clutch for absorbing shocks and overloads.

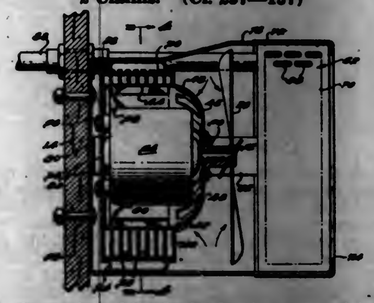


2,119,139
**LOADING DEVICE**
James Edward Owen and George Walter Bryson, Asheville, N. C., assignors to American Devices, Incorporated
Application August 24, 1937, Serial No. 160,678
3 Claims. (Cl. 214—75)



1. A loading attachment for motor vehicles having a chassis, comprising a vertically swinging frame supported at the fore end of the chassis, a pair of levers pivotally connected to opposite sides of said frame and swingable vertically to either side thereof, a load carrier supported by said levers, means operatively connected with the levers for swinging the same to either side of the said frame and also for raising and lowering said frame, guides on the frame and associated with said means, and means on the levers for frictionally latching the same with the frame in alignment therewith.

2,119,140
**AUTOMOBILE BODY HEATER STRUCTURE**
Lambert M. Payne, Detroit, Mich.
Application August 26, 1937, Serial No. 161,004
2 Claims. (Cl. 257—137)

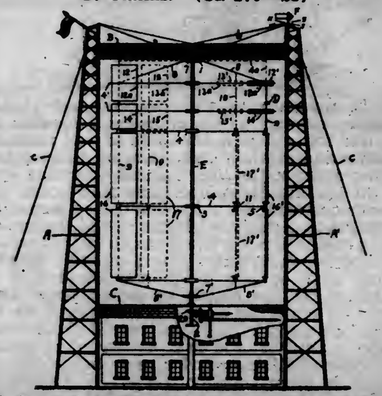


1. An automobile body heater comprising a scroll shaped heat exchange member forming an air confining conduit in the interior thereof, said member having spaced inner and outer walls forming a confining chamber for a heat exchange medium, means communicating said confining chamber with the engine cooling system of said automobile, said member having an inlet opening in one side thereof and being shaped to form a tangentially disposed outlet conduit, fin members disposed within said heat exchange member and fixed to the inner wall thereof, said fin members being of progressively increasing depth therearound toward the discharge conduit, a centrifugal fan disposed within the confines of said member, and means for driving said fan.

2,119,141
**PROCESS OF TREATING FISH OILS**
Anderson W. Ralston and Stewart T. Bauer, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 11, 1936, Serial No. 84,769
12 Claims. (Cl. 87—12)

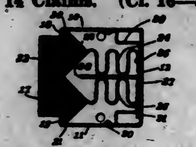
1. The process of treating fish oils which comprises partially hydrogenating the oil to raise its melting point and then treating the partially hydrogenated oil with an isomerizing agent to further raise the melting point without substantially decreasing the unsaturation of the partially hydrogenated oil.

2,119,142
**WINDMILL**
Mendel Shenk, Brooklyn, N. Y.
Application October 16, 1933, Serial No. 693,701
10 Claims. (Cl. 170—23)



1. In a windmill of the character described, including a vertically arranged rotor carrying a plurality of radially arranged vertically pivoted vanes each provided with top and bottom vane controllers, a pulley attached to each top vane-controller and a wire attached to each bottom vane-controller, said wire passing loosely through a weight, is connected to a flexible element, which is turned over the said pulley and attached to said weight, thereby keeping the lower vane-controller loosely lifted and at the same time preventing both the vane-controllers from swinging around, when the vane changes its positions.

2,119,143
**DOOR STOP**
Tom Tringale, Los Angeles, Calif.
Application June 1, 1937, Serial No. 145,793
14 Claims. (Cl. 16—86)

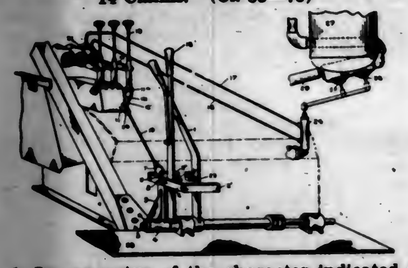


1. A door stop comprising a housing, a compressible bumper retractable in the housing, said

bumper being partially disposed within the housing and partially projecting therefrom, spring means urging the bumper into outermost position, and means limiting the inward movement of the bumper so that after its inward movement is arrested the bumper is thereafter compressed.

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2,119,144
**CONCRETE MIXING MACHINE**
Joseph R. Williams, Piscataway Township, Middlesex County, N. J., assignor to Ransome Concrete Machinery Company, Plainfield, N. J., a corporation of New Jersey
Application November 27, 1937, Serial No. 176,795
14 Claims. (Cl. 83—73)



1. In apparatus of the character indicated in combination with means actuating a loading device and for returning the same to load receiving position and means for discharging water into a mixing drum or the like, a clutch operating lever for the loading device operating mechanism and a brake operating lever for said device, means for actuating said water discharge means, communicating means between the first two instrumentalities and the third comprising a movable member in the path of said levers and adapted to be contacted by the clutch operating lever when moved to clutch engaging position and by the brake operating lever when moved from brake applying position, the first movement actuating the water discharge device and the second restoring it to non-acting position, a connection between said movable member and the water discharge actuating means whereby movement of the former operates the latter, and means for manually breaking said connection.

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2,119,145
**DEVICE FOR TESTING AUTOMOBILE BRAKES**
Ernest A. Zadig, New York, N. Y.
Application February 20, 1936, Serial No. 64,820
1 Claim. (Cl. 264—1)



A device for testing automobile brakes, comprising, a member having a surface therein, said surface having two oppositely inclined portions connected by a smoothly curved portion, one of said inclined portions being longer than the other and being straight, a ball adapted to roll along said surface, but normally resting in said smoothly curved portion, and means providing a visual indication of the proper resting position of said ball along said curved surface in order to provide a proper inclination of the straight portion of said inclined surfaces for testing purposes.

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2,119,146
**ELECTRIC LIGHT SOCKET AND SWITCH**
Charles A. Adams, Davenport, Iowa
Application December 7, 1933, Serial No. 701,393
4 Claims. (Cl. 173—355)



1. An electric switch comprising a body portion of readily flexible insulating material including an interior block and an exterior housing for completely enclosing switch elements, the block and housing being formed for the accommodation of co-acting switch elements, and said switch elements being confined within the housing and respectively mounted on the block and housing, a part of the housing being adapted to be flexed to effect operation of the switch, the housing having an exterior recess at one end for wire terminals, a flexible cap provided with a passageway for the wires leading and connected to said terminals fitted with the recessed end portion of the housing, and means forming connection between one of said wire terminals and switch elements.

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2,119,147
**RAIL CLAMP FOR MEETING ENDS OF RAILS**
Victor C. Armstrong, Short Hills, N. J., assignor, by mesne assignments, to Poor & Company, a corporation of Delaware
Application December 10, 1935, Serial No. 53,828
2 Claims. (Cl. 238—263)

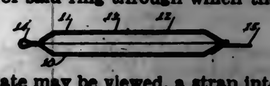


2. A clamp for the meeting ends of rails comprising in combination with the rails, splice bars connecting the rails and having foot flanges overlying the rail flanges, a yoke including a body portion underlying the rail ends, hook-like formations at the ends of said body portion, and a wedge of substantially C-shape in cross section within at least one of said hook-like formations embracing edge portions of the rail flanges and the foot flange of the related splice bar.

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2,119,148
**CONTAINER FOR CONFECTIONS**
Kostas Bastas, Ottawa, Ontario, Canada
Application October 2, 1936, Serial No. 103,662
In Canada September 11, 1936
1 Claim. (Cl. 229—2.5)

A container for confections and the like comprising a dished circular plate surrounded by a lateral flange, an annular ring overlying the side wall of said plate and having a lateral flange adapted to engage with the flange of said plate, a sheet of transparent material covering the opening of said ring through which the contents



of the plate may be viewed, a strap integral with the flanges of said plate and ring hingedly connecting the ring and plate together and a tab projecting from the flange of the plate diametrically opposite the strap.



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2,119,149
**STABILIZED CHLORINATED PARAFFIN WAX AND METHOD OF PRODUCING**
William T. Bishop, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 9, 1935, Serial No. 15,505
15 Claims. (Cl. 260—162)

1. A method for the stabilization of chlorinated paraffin wax which includes admixing chlorinated paraffin wax with an alkaline liquid immiscible therewith, extracting the chlorinated paraffin wax from the mixture with a solvent therefor which is substantially immiscible with the alkaline liquid, and recovering a stabilized chlorinated paraffin wax from the extract.

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2,119,150
**PRODUCTION OF IMPROVED EFFECTS ON CELLULOSIC FABRICS**
Harold Henry Bowen, Heaton, Bradford, and Victor Hoffmann Majerus, Vilvoorden, Wyke, Bradford, England, assignors to The Bradford Dyers' Association, Limited, Bradford, Yorkshire, England, a company of Great Britain
No Drawing. Application July 23, 1936, Serial No. 92,223. In Great Britain January 16, 1935
5 Claims. (Cl. 8—20)

1. Process for producing improved effects on fabrics composed wholly or partly of cellulosic materials, comprising the steps of causing the fabric to contain formaldehyde and an acid reacting catalyst, the amount of the acid reacting catalyst being small as compared with the amount of formaldehyde, mechanically treating the fabric by compression to alter the surface conformation of the material, and then heating to a temperature of the order of 110° C. and above.

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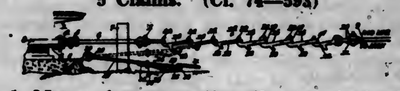
2,119,151
**FRICTION BEARING FOR AIRCRAFT CONTROL SURFACES**
Jean Calvy, Paris, France
Application November 7, 1936, Serial No. 109,786
6 Claims. (Cl. 244—87)



1. In an aircraft including a fixed part and a control surface having an axle to be journalled with respect to said part, a friction bearing for said axle which comprises, in combination, an annular bearing portion, rigidly connected to said fixed part, provided with a gap on the side thereof nearer to said fixed part, a friction shoe movable radially in said gap, and means for elastically urging said shoe toward the axis of said annular bearing portion, said means forming a system of elongated shape in the direction of movement of said shoe and being wholly inclosed in said fixed part and said control surface.

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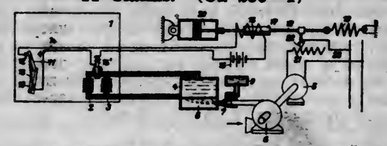
2,119,152
**DEVICE FOR PICKING UP BROKEN JACK LINES**
George W. Cope, Vivian, La.
Application September 5, 1934, Serial No. 742,867
5 Claims. (Cl. 74—593)



1. Means for connecting the terminal of a rod line with the clamp of a reciprocable power pull rod, said means comprising a chain made up of heavy and relatively lighter links, means in the formation of the heavy links to prevent intermingling with the lighter links, and means for progressively holding the successive links while disconnecting used links from the chain.

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2,119,153
**REGULATION OF STATE VALUES**
Walter Dällenbach, Berlin-Charlottenburg, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands
Application July 27, 1934, Serial No. 737,298
In Germany June 20, 1933
11 Claims. (Cl. 236—1)



1. In an arrangement for heating an enclosed space comprising a heating medium flowing in a line through said space, a primary regulator consisting of a thermostat subject to the temperature of said space, valve means in said line for increasing or retarding the flow of said medium, means connecting said thermostat and said valve means whereby the latter is responsive to changes in the former, continually operating means for heating said medium, a secondary regulator adapted to increase or diminish the speed of heating of said medium per time unit, said secondary regulator being controlled within limits above zero by said primary regulator.

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2,119,154
**TRAILER**
Charles Edwin Downing, Pemberville, Ohio
Application July 9, 1937, Serial No. 152,848
2 Claims. (Cl. 296—23)

1. A trailer body comprising a pair of top and bottom units, respectively, each including permanent sides, the sides of said units fitting together in edge-to-edge engaging relation to form the side walls of the body, the top unit decreasing in height rearwardly and having curved ends imparting a streamlined contour thereto and being hinged at its front end to the front end of the bottom unit for elevation into forwardly and downwardly inclined position to increase the overall height of said body, a pair of triangular side members adapted to be interposed between

the sides of said units in edge-to-edge relation thereto in the elevated position of the top unit to close the space between said sides and support the top unit, said side members being hinged



to the lower edges of the sides of the top unit to be folded into the top unit out of interposing position, and means to support the top unit in elevated position in the folded position of said side members.

2,119,155

**METHOD OF REDUCING POTATOES AND OTHER STARCH-CONTAINING VEGETABLES TO THE FORM OF A DRY POWDER**

Arnold Faitelowitz, Suresnes, France, assignor of seventy-five per cent to Marcos Bunimovitch, Brussels, Belgium

No Drawing. Application June 3, 1937, Serial No. 146,315. In Great Britain June 10, 1936

8 Claims. (Cl. 99—207)

1. A method of reducing potatoes and other starch-containing vegetables to the form of a dry powder in which the starch is preserved in its initial form which comprises cooking the vegetables at a temperature which must not substantially exceed 100° C., cutting the cooked vegetables into small pieces, partially drying the pieces, at a temperature which also must not substantially exceed 100° C. until they have lost at the most about 60% by weight of their initial water-content, reducing the partially dried pieces to the form of a moist powder and further drying the moist powder, at a temperature which must not greatly exceed 80° C., until it has a water-content of approximately 10–15% by weight.

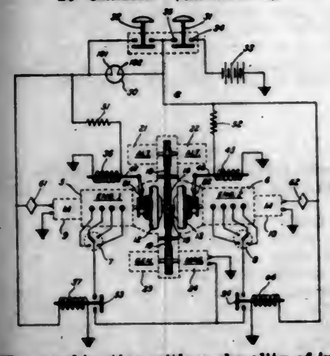
2,119,156

**POWER PLANT**

Martin J. Flanegan, New York, N. Y., and Howard Baer, Jersey City, N. J., assignors to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application November 13, 1936, Serial No. 110,764

10 Claims. (Cl. 290—4)



5. The combination with a plurality of internal combustion engines, each having a starting motor associated therewith, of means comprising electrical conductors for controlling energization of said starting motors, and pressure responsive means for controlling current flow to one of said starting motors but not to the other.

2,119,157

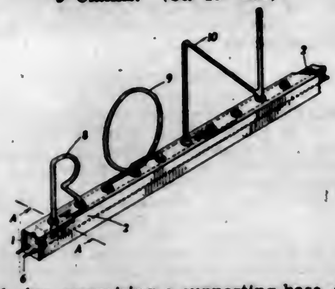
**SIGN**

Joseph Feder, London, England

Application August 18, 1936, Serial No. 96,704

In Great Britain August 22, 1935

9 Claims. (Cl. 40—130)



1. A sign comprising a supporting base, a plurality of equally spaced sockets carried by said supporting base, a high frequency generator connected to supply high frequency current to said sockets, and luminous electric discharge tubes having the form of the characters to be displayed, the ends of which tubes are so dimensioned and spaced that the tubes may be interchangeably mounted in said sockets in order to feed the tubes from the high frequency current, said sockets constituting the sole means for supplying the high frequency current to said tubes.

2,119,158

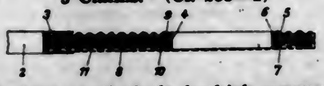
**METALLIC PACKING**

Karl Frey, Dueren, Germany

Application November 26, 1935, Serial No. 51,706

In Germany November 30, 1934

5 Claims. (Cl. 288—1)



1. Packing, particularly for high pressures and temperatures, comprising a plurality of layers of metallic fabric, said packing being formed to provide an orifice therethrough, the edges of said orifice being reinforced by metallic foil, metallic coverings for the flat surfaces of the packing, and one or more metallic threads connecting the separate layers of metallic fabric together.

2,119,159

**BUFFING COMPOSITIONS**

Clifford V. Glenning, Watertown, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 21, 1937, Serial No. 121,715

14 Claims. (Cl. 51—280)

2. A buffing composition containing an abrasive, a waxy binder, petrolatum and an organic amine salt of a sulfated higher aliphatic alcohol.

2,119,160

**TOOTH POWDER CONTAINER**

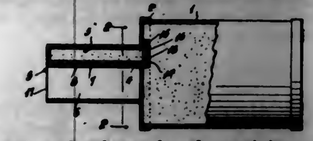
Charles S. Gringler, Cleveland, Ohio

Application May 12, 1937, Serial No. 142,298

2 Claims. (Cl. 221—112)

1. In a tooth powder container of the character specified, a body, a lid for the body and a hollow neck carried by the lid, said neck formed with a longitudinally disposed slotted partition whereby it is divided into an upper powder com-





partment and a lower brush receiving compartment and a manually operated shuttle for opening and closing the slot in said partition, substantially as and for the purpose specified.

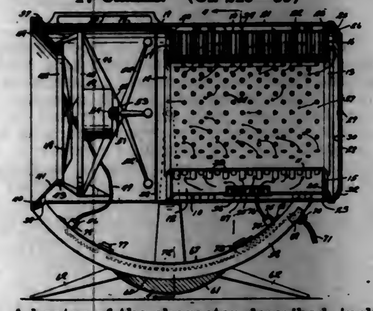
2,119,161

**ELECTRIC HEATER**

Alvan O. Hay, Washington, D. C.

Application October 10, 1936, Serial No. 105,110

17 Claims. (Cl. 219—39)



1. A heater of the character described, including an outer and an inner shell, the inner shell defining an approximately cylindrical, central chamber, tubes extending radially between said shells and opening at one end through the wall of the inner shell to the outer air and at the other end into the central chamber through the walls of said shells, means for heating the air in the space between the shells, a fan casing forming a continuation of the open end of the outer shell, and a suction fan mounted in said casing and drawing air axially through the central shell and through said tubes.

2,119,162

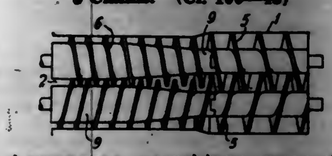
**SCREW PRESS**

Hans Andreas Hartmer, Oslo, Norway

Application March 2, 1936, Serial No. 66,767

In Norway March 5, 1935

3 Claims. (Cl. 100—48)



1. A screw press, comprising a press casing, two longitudinal screws so arranged rotatably side by side therein that their threads intermesh with each other, an inlet at one casing end and an outlet at the other one, each screw being made of at least two sections on the same axial line, each with a thread volume decreasing continuously towards the casing outlet, any section located next to the casing outlet having a smaller exterior thread diameter at its inlet end than its neighboring co-axial section has at its outlet end located next to the casing inlet of each pair of neighboring co-axial sections under consideration, said sections being joined together through an intermediate tapered transition portion of short axial length to conduct the mass from one screw section to the next screw section.

2,119,163

**ROLL OF ADHESIVE STRIP**

Otto Herrmann, Wiesbaden, and Philipp Müller, Wiesbaden-Sonneberg, Germany, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany

Application June 18, 1934, Serial No. 731,176

In Germany July 15, 1933

6 Claims. (Cl. 206—59)



1. A roll of adhesive strip, comprising a strip of cellulose derivative sensitive to moisture coated with plastic adhesive material and wound in layers, the strip being relatively narrow and the layers being relatively numerous so that the roll is subject to deformation under the influence of the moisture in air, and thin flexible detachable foil disks of substantially the same size as the sides of the roll adhering to the edges of said layers and completely covering the same to the exclusion of air, which disks have a surface free from fibres and are substantially impermeable to moisture.

2,119,164

**COATED PAPER**

Samuel S. Himmell, New York, N. Y.

No Drawing. Application October 28, 1936, Serial No. 107,949

8 Claims. (Cl. 91—68)

1. A coated and light-permeable paper having a coating on each side thereof, said coating being light-permeable and being of the clay type and being adapted to receive a printed impression, the weight of the coating on each side corresponding substantially to from eight to thirteen pounds per five hundred sheets of paper each of which is twenty-five inches by thirty-eight inches, said coated paper having white and light-permeable paper base stock, said paper base stock having a substantially white marking imprinted thereon, said marking being more opaque than said paper and said coating, said white marking comprising a mixture of a white pigment and a smaller proportion of aluminum powder, said marking being covered by the corresponding coating, the proportion of the aluminum powder to the white pigment being such that said marking is substantially invisible by reflected light and visible by transmitted light.

2,119,165

**RAKE**

Karl Oscar Hörnstein, Bjorkeby, Sweden

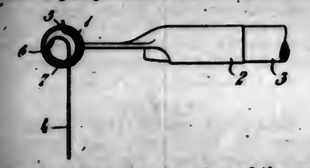
Application October 26, 1936, Serial No. 107,698

In Sweden June 15, 1935

1 Claim. (Cl. 55—10)

In a tool of the character set forth in combination, a tubular head, a set of spring teeth carried by said head, said teeth being formed as coils near their upper ends, said coils being entirely enclosed within the tubular head, said head

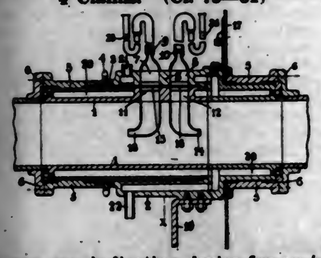
being formed with a set of holes to receive the upper ends of the teeth above the coils when inserted in the head, said head also being formed with a set of peripheral slots corresponding with



said holes to permit the insertion of the coils into the tubular head and to act as lateral guides for the teeth projecting therethrough and as abutments to determine the range of movement of the individual teeth when in operation.

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2,119,166
**PRESSURE INDICATOR**
Michel Kadenacy, Paris, France, assignor of one-half to Armstrong Whitworth Securities Company, Limited, London, England
Application June 1, 1936, Serial No. 82,958
In Great Britain January 11, 1936
4 Claims. (Cl. 73—51)



1. A pressure indicating device for an internal combustion engine including pressure sensitive indicating means for registering variations in pressure above and below atmospheric pressure, and variations in the velocity and direction of movement of fluids in the inlet and exhaust conduits of the engine, a member having ports connected to the pressure sensitive indicating means, a complementary member having ports co-operating with the first mentioned ports, ducts extending in opposite directions with respect to the axis of the conduit and connecting said second mentioned ports to the source of pressure, a shutter element relatively rotatable with respect to said members and having ports co-operating with the ports in the members to connect the source of pressure to the indicating means and means to produce said relative rotation whereby the indicating means are connected to the source of pressure at recurring intervals of time.

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2,119,167
**METHOD OF MAKING ALKYL HALIDES**
Thomas Kane, Holbern, London, England, assignor to Edward Halford Strange, Ventnor, Isle of Wight, England
No Drawing. Original application January 13, 1931, Serial No. 508,559. Divided and this application September 25, 1935, Serial No. 42,145. In Great Britain January 20, 1930
4 Claims. (Cl. 260—166)

1. The process for the manufacture of alkyl halides consisting in reacting a gaseous mixture of an olefine hydrocarbon and hydrogen chloride in the presence of a catalytic substance essentially comprising a dehydrated complex inorganic silicate selected from the group comprising the zeolites and glauconite which catalytic substance has previously been treated by leaching with a strong mineral acid.

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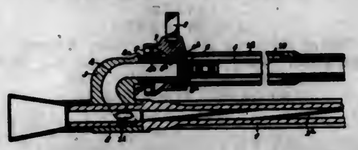
2,119,168
**ELECTRICALLY HEATED CURLING IRON**
Walter C. Kus, Springfield, Mass.
Application July 16, 1935, Serial No. 31,576
3 Claims. (Cl. 173—324)



2. In an electric tool device, a recessed handle of insulating material, a metallic plug with a round end fixedly secured in said handle, a metallic tube fixedly secured in said handle and insulated from said plug, an electric tool having terminals connected to said plug and said tube, an elongated metallic rotatable member in said handle and carrying lead wires, a single ball bearing support for said rotatable member located substantially midway of its length for balance, a slidably supported and spring-actuated contact terminal secured in and insulated from said rotatable member and engaged on said plug, whereby contact is maintained between said round ended plug and said terminal under all conditions including misalignment of said rotatable member with the axis of said handle, one of said lead wires being connected to said contact terminal and the other of said lead wires being connected to said metallic rotatable member.

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2,119,169
**GAS-OPERATED GUN LOADING DEVICE**
Hans Lauf, Berlin-Charlottenburg, Germany, assignor to Knorr-Bremse Aktiengesellschaft, Berlin-Lichtenberg, Germany
Application September 16, 1936, Serial No. 101,160
In Germany September 19, 1935
4 Claims. (Cl. 42—3)



1. A gas pressure operated gun comprising a barrel, a barrel casing, a gas pressure cylinder and a piston movable therein adapted to actuate a loading mechanism, the muzzle portion of the barrel having an enlarged bore, two oppositely arranged outlet openings for combustion gases in said bore, a nozzle attachment surrounding said muzzle portion and containing a channel which communicates with said outlet openings, and a housing on said pressure cylinder having apertures directed towards the muzzle end of said barrel, the interior of said housing being shaped like a funnel opening towards said apertures.



2,119,170
**VEGETABLE WASHING APPARATUS**
Alex Lott, Orange, Tex.
Application December 28, 1936, Serial No. 116,060
4 Claims. (Cl. 146—197)



1. In a vegetable washing apparatus, supporting framework, a tank adapted to contain cleansing water, a perforated drum mounted to rotate on said framework and inclined to feed vegetables therethrough into one end of said tank, an endless screen conveyor of substantially the same width as said tank and extending into and across said tank at the other end, to remove vegetables therefrom, means on opposite sides of one branch of said conveyor and connected to a source of water under pressure to direct water in opposite directions through said branch, and means for forcing water from said tank at the end adjacent the perforated drum, onto the vegetables passing through said perforated drum.

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2,119,171
**METHOD FOR THE PREPARATION OF ARALKYL ETHERS OF CELLULOSE**
Eugene J. Lorand, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 30, 1934, Serial No. 737,577
10 Claims. (Cl. 260—152)

1. The method for the preparation of aralkyl ethers of cellulose which includes treating at reaction temperature alkali cellulose with an aralkyl halide in the presence of an emulsifying agent soluble in the aralkyl halide.

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2,119,172
**APPARATUS FOR HEATING TEST TUBES**
Clyde E. Madden, Charleston, W. Va.
Application June 30, 1936, Serial No. 88,162
16 Claims. (Cl. 219—19)



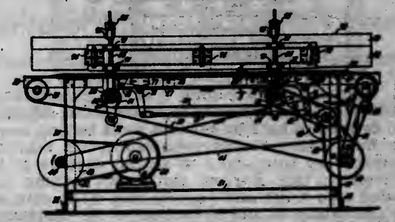
1. A heating apparatus comprising a horizontal base, means for supporting a plurality of containers in inclined positions above said base comprising spaced parallel elongated supporting devices mounted directly on said base, one of said supporting devices having an upper supporting surface which is disposed above said base and above the supporting surface of the other of said devices, said supporting devices providing two parallel horizontally and vertically spaced supporting surfaces whereon a plurality of containers may be supported in inclined positions, a heating element arranged adjacent the supporting surface of each of said supporting devices, and means for energizing said heating elements.

2,119,173
**SYNTHETIC TANNING AGENT**
Paul Müller, Neu-Allschwil, near Basel, Switzerland, assignor to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application December 23, 1935, Serial No. 55,927. In Germany January 12, 1935
10 Claims. (Cl. 149—5)

1. A process for the manufacture of tanning agents, comprising preparing a synthetic tanning agent by condensation in an acid medium and neutralizing with a mixture of water-glass and alkali to an acidity suitable for tanning.

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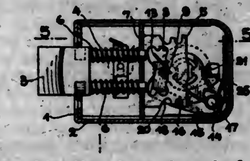
2,119,174
**FILLED BAG SETTLING AND SHAPING METHOD AND APPARATUS**
Marcel A. Nicolas, Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York
Application July 1, 1936, Serial No. 88,388
14 Claims. (Cl. 259—72)



1. The method of compacting material in flexible containers while shaping the containers which comprises continuously feeding the containers endwise in upright position, jarring the material vertically by raising and dropping the containers at spaced intervals, compressing the material sideways while the containers are suspended in mid-air between jarring actions, and feeding the containers slightly faster while compressing the same than while jarring the same in order that the containers will be caused more closely to contact each other thereby to square the end walls of the container.

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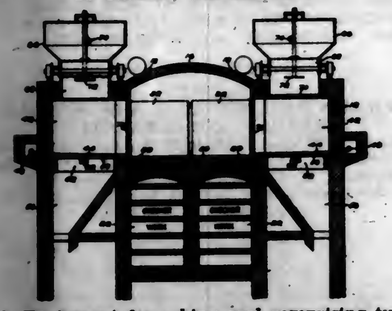
2,119,175
**DOOR LOCK**
Paul Niederdrenk, Velbert, Germany
Application July 22, 1937, Serial No. 155,128
In Germany November 12, 1936
2 Claims. (Cl. 70—143)



2. The combination in a door lock, of a bolt, said bolt comprising a bolt head, two guide bars and a bolt body, said bolt body being provided with two stop notches on each of its side edges, one notch on each side edge having a slanting side edge, a cam slot provided in the bolt body, helical springs disposed around said guide bars, a cam disk with a driving pin attached thereto, said driving pin engaging said cam slot, a latch with a stop pin, said stop pin adapted to engage the notches of the bolt body to secure the bolt in position and being acted upon by said

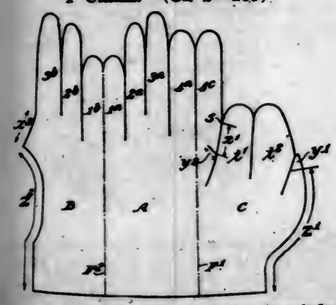
cam disk, a spring acting upon said latch for urging the lock pin in locking position and means for operating said cam disk.

2,119,176
**APPARATUS FOR COKING COAL**
William A. Ogg, Cincinnati, Ohio
Application June 13, 1935, Serial No. 26,365
16 Claims. (Cl. 202—139)



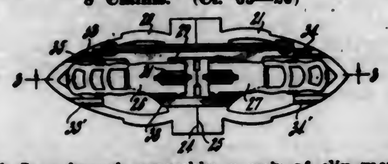
1. Equipment for coking coal comprising tunnel-like reaction chambers having gas offtakes and defined in part by vertical walls having heating flues therein separated from the reaction chambers by thin septa of silicon carbide or its equivalent, tall, narrow containers having extended side walls and narrow end walls consisting essentially of silicon carbide or its equivalent and having open bottoms and tops, means for traversing said containers over the soles of the reaction chambers with the lower margins of the sides and ends resting thereon to be supported thereby and with substantial clearance from said septa to receive heat therfrom by radiation, and means exterior of the chambers at the ends thereof providing for charging and discharging the containers.

2,119,177
**GLOVE**
Gilbert James Pearce, Westbury, England
Application March 31, 1937, Serial No. 134,163
In Great Britain April 2, 1936
1 Claim. (Cl. 2—169)



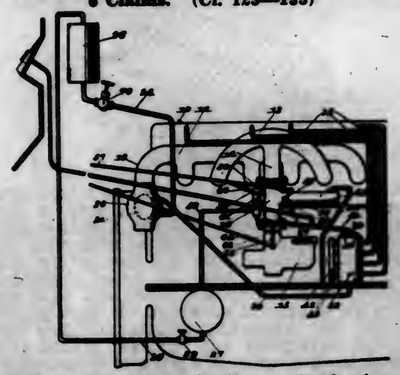
A glove formed from a one piece trank laid out to form a central panel and integral side panels adapted to be folded thereover, said central panel provided with four slit finger pieces; one of said side panels having substantially straight and curved contiguous outer edge portions and also provided with three slit finger pieces, and the other side panel having a finger piece for the index finger and complementary thumb pieces, the latter being bounded on the one side by a slit and partially bounded on the other side by a triangular tongue which merges into a curved edge adapted to mate with the complemental curved edge of the other side panel, piecettes stitched at the bottom of the finger pieces fourchettes stitched to the side of the finger pieces, a substantially diamond shaped quirk for the base of the thumb pieces and a seam connecting the opposite side edges of the side panels and extending up from the mouth of the glove around the tongue and quirk to secure said quirk in place and thence upward to join the piecette between the first and second finger.

2,119,178
**COMBINATION CLIP AND BROOCH STRUCTURE**
Oreste Pennino, New York, N. Y.
Application May 7, 1937, Serial No. 141,268
8 Claims. (Cl. 63—20)



1. In a brooch assembly, a pair of clip members, each clip member comprising a front ornamental body and a spring clasp pivotally mounted at the rear thereof, and a brooch mounting comprising a plate having an opening through which said spring clasps can be inserted to be folded over said plate, said plate having at each end a longitudinally extending prong, each clip having a longitudinally perforated lug rearwardly extending from its body portion, adapted to register with and receive the prong at the corresponding side, whereby said clip members will be correctly positioned with respect to each other.

2,119,179
**CHARGE-FORMING DEVICE FOR INTERNAL COMBUSTION ENGINES**
Forest Pius Roumillat, Jacksonville, Fla.
Application May 21, 1937, Serial No. 144,046
6 Claims. (Cl. 123—133)

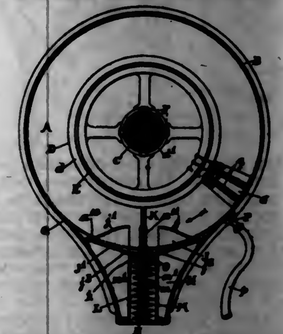


1. In an internal combustion engine having an intake manifold and an exhaust manifold, a charge-forming device for said engine, a valve casing having an outlet port, and a drain port,



a pipe connecting the outlet port with the intake manifold, a chamber heated by the exhaust gases, a second heating chamber, a pipe connecting the two heating chambers, means including a source of fuel for supplying the first chamber with a heavy fuel, a hollow rotary valve in the casing, a pipe placing the valve in communication with the second heating chamber, said valve having ports for alternately alining with the outlet and drain ports, a pipe for conducting condensed vapors from the valve and connected between the drain port and the source of fuel.

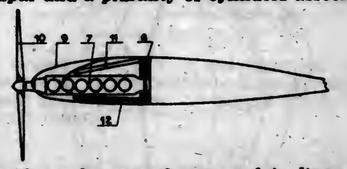
2,119,180
**ROTARY TIRE-PUMP FOR MOTOR VEHICLES**
Harry Briggs Russell, Morecambe and Heysham, England
Application June 9, 1937, Serial No. 147,317
In Great Britain April 2, 1937
2 Claims. (Cl. 230—149)



1. A rotary air pump comprising a circular casing made in two parts each of which is formed with an outer portion that is approximately semicircular in cross section and has extending inwardly therefrom a disc-like portion that is flared outwardly towards the center and is formed with a central aperture, a rotary member that is interposed between the two parts and is formed with a rim the peripheral portion of which together with the aforesaid semicircular portions completes an annular tube that is circular in cross section, means for making a fluid tight joint between the rim and disc portions, a piston attached to the rim and occupying a position within the annular tube, a chamber situated outside the annular tube and connected therewith, a guide situated within said chamber, a valve plate slidably mounted in said guide and adapted to pass through a slot in the annular chamber and form an air trap, a spring for projecting the plate through the slot, two arms pivoted within the chamber at opposite sides of the plate and formed with cam surfaces for displacement by the piston, the free ends of the arms passing through an opening in the plate, an air-outlet situated in the annular chamber in proximity to the pivot of one arm, an air inlet situated in the annular chamber in proximity to the pivot of the other arm, and coupling means for connecting the rotary member with a driven shaft.

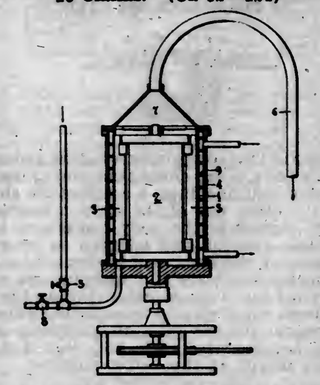
2,119,181
**AIRCRAFT**
Raymond Saulnier, Puteaux, France
Application January 25, 1936, Serial No. 60,364
In Germany January 26, 1935
6 Claims. (Cl. 244—54)

6. An aircraft, and especially an airplane, which comprises, in combination, a wing, a frame for said wing including a main spar, an engine carried by said spar extending to the front thereof, said engine including a crankcase parallel to the fore and aft direction of said aircraft and the rear end of which is rigidly engaged in said main spar and a plurality of cylinders associated



with said crankcase and arranged in line, said cylinders being all substantially parallel to said spar, the whole of said engine being of a height smaller than the maximum thickness of said wing, and a wing covering fully enclosing said engine.

2,119,182
**METHOD AND APPARATUS FOR CONDENSING LIQUIDS BY FREEZING**
Paul Schuftan, Hollriegelskreuth, near Munich, and Hans Ranke, Solln, near Munich, Germany
Application February 3, 1936, Serial No. 62,214
In Germany February 18, 1935
10 Claims. (Cl. 62—124)

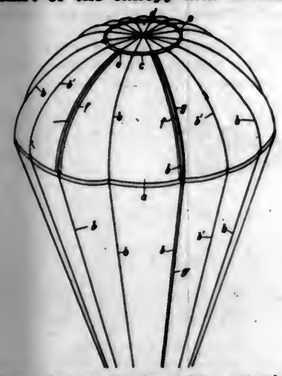


7. Apparatus for concentrating solutions by freezing out solvent comprising a cylindrical vessel having its longtudinal axis vertically disposed, a cylindrical displacement member rotatably mounted in said vessel with its surface concentric to the wall of said vessel, agitator members carried by said displacement member in the annular space between the displacement member and the wall of the vessel, means for rotating said displacement member, means for forcing liquid into the lower end of said vessel, and means for discharging fluid from the upper end of said vessel.

2,119,183
**PARACHUTE**
Gerhard Sedlmayr, Berlin-Tempelhof, Germany
Application September 10, 1936, Serial No. 100,161
In Germany September 16, 1935
12 Claims. (Cl. 244—142)

1. A parachute comprising in combination a canopy having at least one air vent, and a plurality of suspension lines running from one side of the canopy over the vertex thereof to the

other side, all of said lines being fastened to the lower skirt of the canopy and at least some of



said lines being displaceably attached to the skirt of at least one air vent.

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2,119,184
**MOTOR SAFETY FUSE**
Elmer D. Stassen, Wanatah, Ind.
Application September 14, 1936, Serial No. 100,718
1 Claim. (Cl. 200—142)



An electric fuse comprising a hollow cylindrical insulating body, a cap closing one end of the body and having vent openings, a combustible element closing the other end of the body, a fusible circuit wire carried in the body contiguous to the combustible element and adapted to be melted by ignition of the combustible element, a metal shell housing the body and forming one circuit terminal for said fuse, a metal ring on the body spaced from the shell and forming the other circuit terminal for the fuse, an insulating socket member housing the shell and the ring, and mounting means on the socket member.

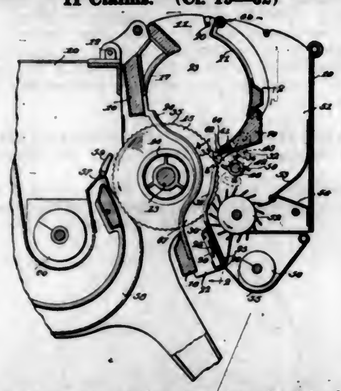
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2,119,185
**APPARATUS FOR SEPARATION OF MINERALS**
Rupert Octavius Stokes and John Caldwell Allan, London, England
Application December 26, 1935, Serial No. 56,298
In Great Britain December 29, 1934
1 Claim. (Cl. 209—427)



A table for separating or classifying minerals with means for reciprocating it in an up and down direction in water comprising side walls and removable box-like structures with sloping perforated tops and open bottoms in which adjustable apertures are provided adjacent to the lower end of the sloping perforated part in communication with the upper side of the said perforated part and the under side of the adjacent perforated part.

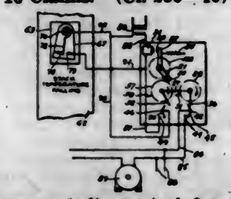
2,119,186
**HULLER RIB**
John A. Strum, Sherman, Tex., assignor to Hardwicke-Etter Company, Sherman, Tex., a corporation of Texas
Application January 27, 1937, Serial No. 122,666
11 Claims. (Cl. 19—62)



1. A cotton gin of the class described including gin saws, huller ribs in cooperative relation to the saws, said ribs being interrupted to provide an upper section and a lower section separated by a transversely disposed gap, said upper section having a web connecting the adjacent ribs and terminating short of the free ends thereof to provide openings between the ribs adjacent the gap, a shaft revolubly mounted in the gin, and a series of axially disposed sleeves independently fastened to the shaft, each of said sleeves having opposed segmental blades positioned substantially at right angles to the adjacent blades, said blades arranged to be rotated in close proximity to the ribs whereby to move the cotton collected on the upper section toward the gap and the gin saws during the operation of the gin.

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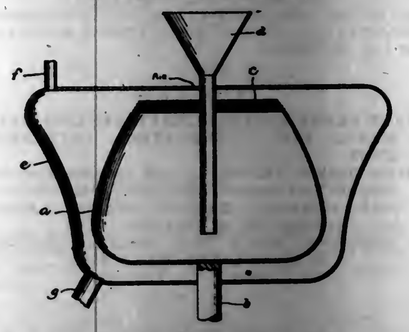
2,119,187
**THERMOPERIODIC CONTROL FOR COAL STOKERS**
Lawrence R. Teeple, Portland, Oreg.
Application March 18, 1933, Serial No. 661,452
16 Claims. (Cl. 236—46)



1. A thermo periodic control for coal stokers having in combination a time controlled switching mechanism including spring returned re-cycling and refueling switches, a stack thermostat operatively connected to said switching mechanism whereby same will be rendered inoperative and releasing said switching mechanism to return to a rest position whenever said thermostat is closed by a rise in stack temperature whereby said re-cycling mechanism is rendered operative only during the downward movement of the temperature at said thermostat within any portion of its entire temperature range.



2,119,188
**PROCESS FOR AERATING LIQUIDS IN THE PRODUCTION OF YEAST**
Bernardus Lebuinus Maria van der Lande and Emile van Thiel, Compiegne, France, assignors to Naamlooze Vennootschap Industrieele Maatschappij Voorheen Noury & Van Der Lande, Deventer, Netherlands, a company of the Netherlands
Application December 27, 1935, Serial No. 56,400
In the Netherlands December 29, 1934
3 Claims. (Cl. 195—95)



1. A process for propagating yeast which comprises introducing yeast cells into a nutrient medium comprising molasses and aerating the yeast by introducing into the nutrient medium containing the yeast a separately prepared air-in-liquid dispersion made by centrifuging a dilute molasses solution and rapidly projecting it into an air space where it collides with and envelops particles of air to produce a stable air-in-liquid dispersion in which the diameter size of the dispersed air particles is from a few microns to about ¼ of a millimeter.

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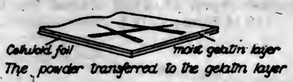
2,119,189
**PIGMENT AND PROCESS OF MAKING THE SAME**
Gustave Widmer, Philadelphia, Pa., assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application March 27, 1933, Serial No. 663,097
8 Claims. (Cl. 134—58)

1. A process for the production of pigment powder insoluble in all common solvents comprising incorporating a coloring matter in a solution of a condensation product of formaldehyde with a member of the group consisting of urea, heat-treated urea, thiourea, guanidine, biuret, guanyl urea and dicyandiamide, subjecting the said condensation product and coloring matter to a heat treatment to insolubilize the former and to affix the coloring matter thereto, and finally reducing the product to the form of a fine powder.

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2,119,190
**METHOD OF REPRODUCING ENGRAVED DRAWINGS**
Hans Wieneke, Berncastel, Germany
Application February 15, 1937, Serial No. 125,938
In Germany July 11, 1935
6 Claims. (Cl. 41—41.5)

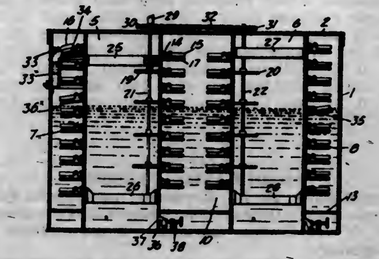
6. A method of reproducing images engraved on a clean ground consisting in rubbing intaglio ink over the engraving, wiping the engraving clean so that ink is left only in the recesses of the engraving, applying to the engraving bole impregnated with chrome alum, removing the bole not adhering to the ink, squeezing the ground into intimate contact with a moistened gelatin




layer, whereby the bole on the engraved image tans said layer corresponding to the engraved image, and printing from the tanned image in a collotypic manner.

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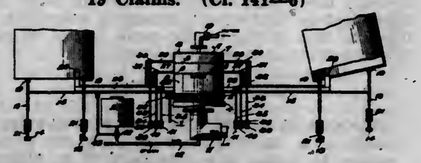
2,119,191
**BOTTLE WASHER**
Thomas Telford Wilkinson and Samuel Dudley Boughton, Toronto, Ontario, Canada
Application February 26, 1937, Serial No. 127,946
2 Claims. (Cl. 141—7)



1. A bottle washer and the like comprising a liquid container having semi-circular ends and parallel connecting walls, a vertical cylindrical support concentric with each container end, a spiral flange extending around each cylindrical support and concentric with the semi-circular ends of the container and horizontal connecting flange portions connecting the upper and lower ends of the spiral flanges on opposite sides of the cylindrical supports to form a continuous endless unbroken open runway forming a bottom support, carriers extending transversely of the flange and adapted to continuously contact therewith as they travel thereover, and means for flexibly connecting the carriers together to travel in the same direction around the cylindrical supports.

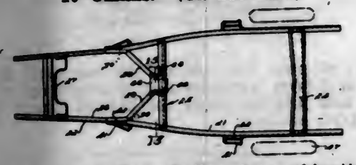
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2,119,192
**BARREL AND DRUM CLEANING DEVICE**
John R. Alexander, Newark, N. J.
Application December 11, 1929, Serial No. 413,377
Renewed June 11, 1935
19 Claims. (Cl. 141—6)



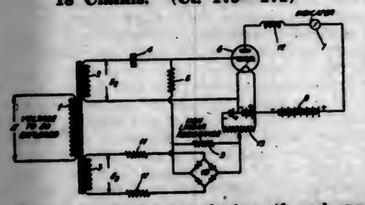
1. In a drum cleaning mechanism, a movable carriage adapted to support a drum, means movable with said carriage for introducing into said drum a cleaning fluid, said carrier and means being movable in a circular path in a substantially horizontal plane and tilting means adapted to automatically cause the cleaned drums to fall from said carriage.

2,119,193
**VEHICLE BODY AND CHASSIS CONSTRUCTION**
Clarence W. Avery, Detroit, Mich.
Application April 22, 1933, Serial No. 667,362
10 Claims. (Cl. 280—106)



1. An automobile including, in combination, a rear sub-assembly comprising a body, running gear and rear wheels mounted on a chassis section which terminates in the front transverse plane of the body, a front sub-assembly unit comprising a chassis frame section supporting an engine, front running gear and wheels, said chassis sections having longitudinal and transversely disposed elements, and portions on at least one of said sections angularly disposed relative to the other section to form trussing and reinforced bracing for the two sections when united to join the sub-assembly units to form an automobile.

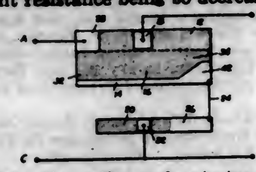
2,119,194
**MODULATION METER**
Justus Bäbler, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 26, 1934, Serial No. 727,658
In Germany May 30, 1932
18 Claims. (Cl. 179—171)



12. In a device for analyzing the character of oscillating voltages, means for producing direct current potentials characteristic of said voltages when they are less than a predetermined amplitude value, means for producing potentials characteristic of said voltages when their amplitude is above said selected value and common means controlled by said first produced potentials for producing indications of the mean value of said voltages below said selected amplitude value and controlled by said second produced potentials to produce indications of the peak values of said voltages above said selected value.

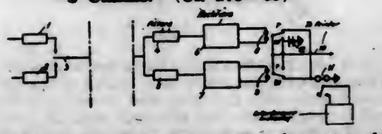
2,119,195
**CONSTANT IMPEDANCE ATTENUATOR**
Samuel J. A. M. Bagno, New York, N. Y., assignor, by mesne assignments, to P. R. Mallory & Co. Inc., Indianapolis, Ind., a corporation of Delaware
Application November 5, 1935, Serial No. 48,292
24 Claims. (Cl. 178—44)

13. An attenuator comprising a series resistance, a contact slidably related thereto, a highly conductive bus extending collaterally with and spaced from said series resistance film, a continuous shunt resistance extending between and connected to said series resistance and said bus, said shunt resistance being so decreased in value



at the high attenuation end as to tend to equalize the surge impedance of the attenuator at the end and at the middle.

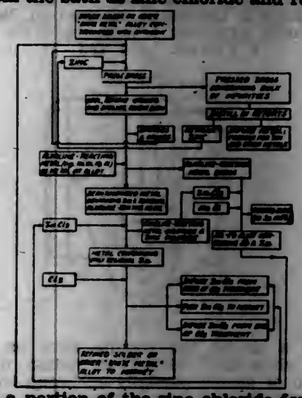
2,119,196
**TYPE PRINTING TELEGRAPH SYSTEM WITH MEANS FOR ELIMINATING INTERFERENCE**
Arjen Bakker, The Hague, and Hendrik Cornelis Antonie Van Duuren, Noordwijkerhout, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware
Application May 9, 1934, Serial No. 724,804
In Great Britain May 9, 1933
3 Claims. (Cl. 178—69)



3. In a telegraph system of the character described, a receiver for receiving working and resting current impulses, and a protective device associated with said receiver for protecting the receiver against unnoticed reproduction of false signal elements, said protecting device comprising a relay having two windings and an armature movable to working and resting positions, one of said windings being controlled by working current and the other winding being controlled by resting current, said windings being opposed so that in the event of undisturbed reception the armature is moved to either the working or resting position and in the event of interference the armature will be held in neutral position, and means operable upon the shifting of the armature to either the working or resting position for passing the signals to the receiver.

2,119,197
**REFINING ALLOYS OF LEAD AND TIN**
Jesse O. Betterton and Yurii E. Lebedeff, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application April 17, 1937, Serial No. 137,426
10 Claims. (Cl. 75—63)

1. The process for refining a bath of impure solder contaminated with antimony which comprises eliminating a portion of the antimony as a zinc dross, eliminating the remaining antimony as an alkaline-reacting metal dross, recovering and recycling zinc from the zinc dross for treating additional quantities of impure solder, treating the alkaline-reacting metal dross with zinc chloride to produce a discard slag and solder metal containing antimony and zinc, returning said solder metal for treatment with additional quantities of impure solder, eliminating residual alkaline-reacting metal from the bath as an alkaline-reacting metal chloride-zinc chloride slag and utilizing same in the treatment of the alkaline-reacting metal dross, eliminating residual zinc from the bath as zinc chloride and recycling



at least a portion of the zinc chloride for either eliminating residual alkaline-reacting metal from the bath or treating alkaline-reacting metal dross.



2,119,198
**SMOKING TUBE**
Edmund Bruder, Chicago, Ill.
Application May 21, 1937, Serial No. 143,959
11 Claims. (Cl. 131—22)



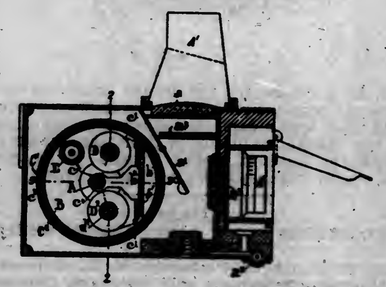
1. A smoking tube of the character described embodying a body formed of separable sections, one of said sections being hollow, a hollow member telescoping into the last said section and constituting a tobacco chamber the encompassing wall of which chamber is imperforate, insulating material filling the space between the walls of said hollow section and said hollow member, means securing said hollow member and said insulating material against removal, an apertured wall at one end of said chamber, and means tending normally to urge the tobacco towards said wall.

2,119,199
**WINDOW CONSTRUCTION**
Edward M. Buchach, Milwaukee, Wis., assignor to Howard Safety Window, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application December 30, 1935, Serial No. 56,734
4 Claims. (Cl. 20—49)

1. In a window construction, a window frame including side stiles, upper and lower sashes, guide tracks secured to the inner faces of the stiles having spaced longitudinally extending channels, slide plates freely movable in the channels from one end thereof to the other, means pivotally connecting the lower ends of the sashes to the slide plates, the outer walls of the channels being provided with notches, pivoted catches carried by the upper ends of the slide plates, and sash cords connected with the catches at one side of their pivots, whereby to normally swing the catches toward the outer walls of the channels and into the notches when the slide plates are in a predetermined position.

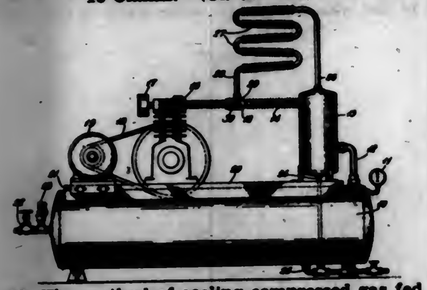


2,119,200
**REFLEX CAMERA**
Robert Edward Campbell, York, England
Application April 15, 1936, Serial No. 74,454
In Great Britain May 2, 1935
3 Claims. (Cl. 88—16)



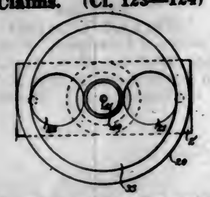
1. A camera of the type referred to comprising mutilated pinions rotated in unison, teeth on a portion of the periphery of each mutilated pinion, a gear wheel periodically engaged by the teeth on one pinion to intermittently rotate the shutter to give one exposure for each revolution of the mutilated pinion, a swinging arm upon one end of which the take up spool is mounted, a second mutilated pinion with which the other end periodically engages whereby the arm moves away from the exposure aperture of the shutter after an exposure has been made to draw away from the aperture the exposed length of film and replace it by an unexposed length and mechanism for winding up the length of film so drawn away and for returning the take up spool to its original position.

2,119,201
COMPRESSOR APPARATUS
Samuel Cook and Henry E. Nevins, Stamford, Conn.
Application January 9, 1937, Serial No. 119,725
16 Claims. (Cl. 62—135)



13. The method of cooling compressed gas fed into a storage tank by a compressor, which comprises circulating through a cooling circuit exterior of the compressor the gas normally rising to the upper portion of the storage tank, and so circulating the gas through the pressure induced by the feeding of the freshly compressed gas into said storage tank by said compressor.

2,119,202
DEVICE FOR INTERNAL COMBUSTION ENGINES
Max Dach, Flushing, N. Y.
Application June 26, 1934, Serial No. 732,469
4 Claims. (Cl. 123—124)



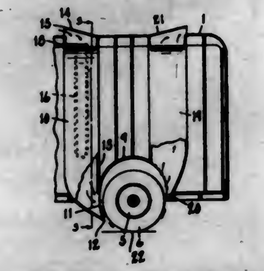
1. In a device for the intake manifold of an internal combustion engine, an inlet, a valve in said inlet, and means independent of the suction in the intake manifold to open said valve and break the ignition circuit to said engine when the engine reaches a predetermined speed.

2,119,203
COMBINED FORM AND CARBON SHEET HOLDER
Karl R. Dencklau, Plainfield, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 22, 1934, Serial No. 731,879
18 Claims. (Cl. 282—29)



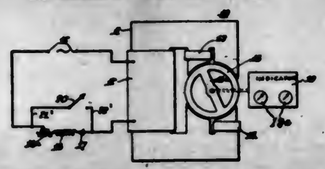
1. A device for holding paper, said device including a backing piece, a separate holding member U-shaped in plan view, and means for securing said holding member to the backing piece for receiving and holding paper.

2,119,204
DEVICE FOR COOLING TIRES ON VEHICLE WHEELS
Maurice L. Donnellan, Kalamazoo, Mich.
Application February 1, 1936, Serial No. 61,980
8 Claims. (Cl. 188—1)



1. In a device for cooling tires on vehicle wheels when the vehicle is in motion, the combination of means partially enclosing the wheel and tire to form a casing therefor, an inlet duct having at one end a discharge disposed to discharge air into the casing and toward the front of the tire and in a downward direction, said inlet duct having at its other end a scoop positioned to pick up air when the vehicle is in motion, means in said inlet duct to cool air passing therethrough, an outlet from said casing disposed at the rear of the tire to scoop up air circulated by the rotation of the wheel in the casing, and an outlet duct extending from said outlet and having its other end formed as an ejector, whereby the passage of the vehicle through the air tends to exhaust air from said outlet duct.

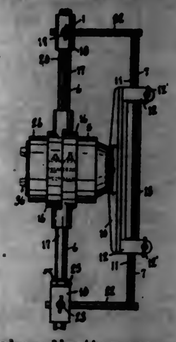
2,119,205
METHOD AND SYSTEM OF MOTOR CONTROL
Edgar D. Doyle and Benjamin J. Wilson, Philadelphia, Pa., assignors to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 18, 1936, Serial No. 75,048
12 Claims. (Cl. 172—274)



1. In combination, a single phase, self-starting, synchronous motor of a type whose rotor is accelerated to synchronous speed or is braked to standstill depending upon whether its energizing current is alternating or unidirectional in character, a source of alternating current, an electric valve connected in circuit with said motor for supplying to said motor from said source, current of said unidirectional character, control means operable to one position to complete a by-pass circuit for said valve and to another position to open said by-pass circuit, and means included in circuit with said electric valve for controlling the magnitude of the braking effort so that said rotor before coming to standstill rotates an amount sufficient to compensate for operation of said rotor during acceleration from standstill to synchronous speed at a speed below its synchronous speed.

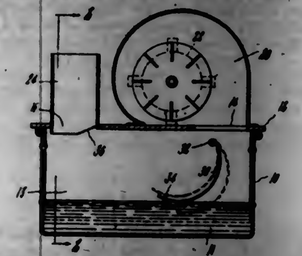


2,119,206
BRAKE ADJUSTING GAUGE
George E. Frisz, Indianapolis, Ind.
Application February 4, 1935, Serial No. 4,767
20 Claims. (Cl. 33—180)



1. A wheel brake adjusting gauge comprising a cylindrical casing having a tapered end, adjustable collet means disposed within said casing, a pair of external brake shoe calipers mounted for longitudinal and rotary adjustment on said casing, and a pair of internal brake drum calipers having a center pivot removably disposed in the tapered end of said casing, said calipers being adjustable relative to each other and relative to a common center.

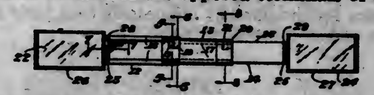
2,119,207
AIR CONDITIONING APPARATUS
John H. Gibbs, Framingham, Mass.
Application December 26, 1935, Serial No. 56,174
3 Claims. (Cl. 261—81)



1. Apparatus of the class described, comprising a housing enclosing a chamber and adapted to contain a pool of liquid, means for maintaining a stream of air through said chamber, and a member suspended in said chamber and vibratable by said air stream to splash liquid from said pool into spray, said member consisting of a sheet of stiff material bent to suitable shape, said sheet being swingably suspended at its upper end and tapering in width toward its lower end.

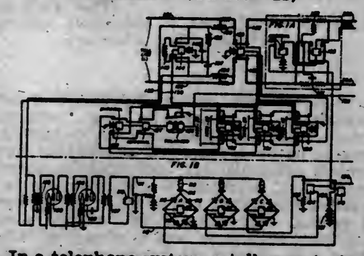
2,119,208
REAR-VIEW VANITY MIRROR
Henry F. Goldsmith, Longport, N. J.
Application August 4, 1936, Serial No. 94,216
1 Claim. (Cl. 88—89)

A portable rear-view vanity mirror including an extensible and collapsible combined mirror support and handle consisting of a pair of flat wide non-tubular sheet metal members telescopically associated with a rigid intermediate flat wide non-tubular sheet metal member and separated thereby, means for limiting the outward extension of said support, said combined support and handle being of such width and thinness as to be grasped by the hand of a user and to substantially fill the palm of the grasping hand, a mirror wider than the adjacent support hingedly secured to each of the opposed terminals of said



support and each adapted to fold inwardly with respect to the support and in overlapping relation with respect to each other when the support is collapsed, whereby the pair of mirrors and the support will be more or less approximately within the same overall longitudinal dimension when the device is collapsed, and fixed means for limiting the outward hinging movement of each of said mirrors in relation to said support to predetermined angles.

2,119,209
TELEPHONE SYSTEM
Oliver C. Hall, Fair Lawn, N. J., and John F. Toomey, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 7, 1936, Serial No. 73,110
20 Claims. (Cl. 179—42)



1. In a telephone system, a toll operator's position, two-way automatic signaling straightforward toll lines, two-way ring-down toll lines, incoming trunks and outgoing trunks, all terminating at said position in jacks, a toll cord thereat adapted to interconnect any of said toll lines or any toll line and any trunk circuit, line signal devices at said position, one for each of said toll lines and incoming trunks supervisory signal apparatus associated with said cord circuit, and means associated with said automatic toll lines and with said cord circuit adapted to cooperate when two automatic lines are connected together or when an automatic line is connected to an outgoing trunk to cause supervisory signals received from the distant end of the called line to be retransmitted to the calling toll line without affecting the supervisory signal apparatus associated with the cord.

2,119,210
TEMPORARY PROTECTIVE COVERING FOR BATHTUBS
George W. Hall, Bridgeport, Conn.
Application August 29, 1936, Serial No. 98,488
9 Claims. (Cl. 4—173)

1. A two-part protective covering for a bathtub comprising a body portion shaped to conform to the shape of said tub and a marginal

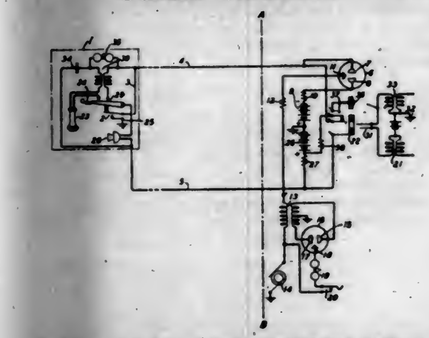
strip adjacent the edge of said body portion and



means for temporarily connecting said body portion and said marginal strip.

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2,119,211
**TELEPHONE SYSTEM**
William H. T. Holden, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 12, 1936, Serial No. 100,404
4 Claims. (Cl. 179—56)

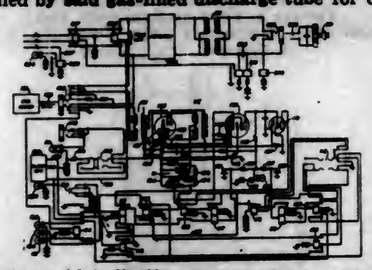


1. In a common battery telephone system, a switchboard, a subscriber's line terminating thereat, a gas-filled discharge device having two discharge paths, a source of alternating current, a central office battery, an auxiliary source of direct current potential, a connection across said line serially including one of said discharge paths, said central office battery, said auxiliary source and a high resistance, and a circuit serially including said second discharge path, said alternating current source and said central office battery, said auxiliary source of potential being connected in an aiding direction with respect to the central office battery across said first discharge path, the potential of said auxiliary source being of such a value as, when added to the potential of the central office battery, to cause said first discharge path to break down and effect ionization of said device, and said discharge device being so constructed and arranged that the anode electrode of the second path will be sufficiently illuminated by discharge thereacross to serve as a visual signal.

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2,119,212
**VOLUME INDICATOR**
Henry Kahl, Forest Hills, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 4, 1937, Serial No. 162,416
9 Claims. (Cl. 179—2)

1. In a sound volume indicator, a sound current carrying channel, a high resistance, means for establishing a potential across said resistance proportional to the volume of sound current in said channel, indicating means normally connected across said resistance comprising a direct current amplifier and a gas-filled discharge tube responsive to a predetermined potential, and means controlled by said gas-filled discharge tube for connecting said indicating means across a portion of said resistance.



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2,119,213
**PRODUCTION OF HIGH MOLECULAR WEIGHT PHENOLIC SUBSTANCES FROM COAL**
Leo Kaschagen, Pittsburgh, Pa., assignor to Carnegie Institute of Technology of Pittsburgh, Pa., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 13, 1937, Serial No. 142,429
16 Claims. (Cl. 260—153)

1. In the treatment of bituminous coal for the production of high molecular weight phenolic substances, the steps comprising heating the coal with an aqueous solution of an alkali metal hydroxide, and precipitating the substances from the solution.

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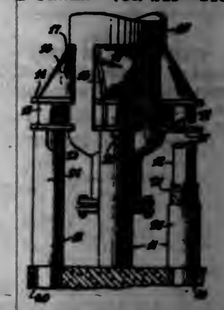
2,119,214
**ROLLING EYE SET**
Samuel Marcus, New York, N. Y., assignor, by mesne assignments, to Margon Corporation, Bayonne, N. J., a corporation of New Jersey
Application December 2, 1933, Serial No. 700,641
21 Claims. (Cl. 46—168)



1. A rolling eye set comprising a pair of vertically oscillatable outer shells, a horizontal stub shaft interconnecting the same at the axis of oscillation, said outer shells being frictionally fixed adjustably on the stub shaft, a pair of eye members within the outer shells, upright shafts pivoted in the outer shells and carrying the eye members, said eye members being frictionally fixed adjustably on said shafts, said upright shafts being greatly prolonged at their lower ends and the resulting extensions being bent rearwardly below the outer shells, gravity operated means interconnecting the same for causing both vertical oscillation of the eye set and horizontal oscillation of the eye members, said outer shells being cut away at the lower front face thereof to expose the eye members, and the upper portion of the outer shells serving as eye lids.



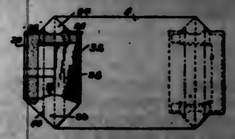
2,119,215
**SUPPORT FOR LIQUID TREATING VESSELS**
Ralph M. Parsons, Chicago, Ill., assignor to The Ralph M. Parsons Company, Chicago, Ill., a corporation of Delaware
Original application March 2, 1935, Serial No. 8,969, now Patent No. 2,079,232, dated May 4, 1937. Divided and this application July 20, 1936, Serial No. 91,479
1 Claim. (Cl. 248—146)



A support for a heavy metal vessel comprising a plurality of supporting legs and a butt-welded truss securing each leg to said vessel, each of said trusses comprising a horizontal plate butt-welded to the top of a leg and having an edge engaging and butt-welded to the surface of said vessel, a second horizontal plate having an opening through which said leg extends, said second plate being horizontally spaced below said first plate and likewise being butt-welded both to said leg and to said vessel, side plates closing the area between said horizontal plates and said vessel, said side plates being butt-welded to said vessel and to said first plates, a pair of triangular plates above the upper transverse plates and in approximately the planes of said side plates, said triangular plates being butt-welded to the upper transverse plate and to said vessel and an inclined plate butt-welded to said triangular plates and to said vessel to close the area between said triangular plates, said plates forming, in effect, an open box-like truss which is resistant to deformation and forms a rigid support for said vessel.

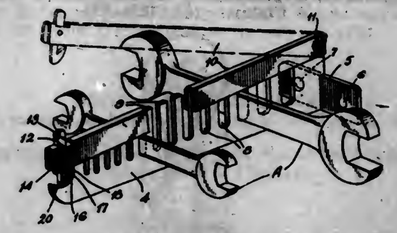
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2,119,216
**BAG**
Adolph Potdevin, Garden City, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application November 17, 1936, Serial No. 111,189
1 Claim. (Cl. 229—62.5)



As an article of manufacture, a bag length, one wall of which at one end of the bag length projects throughout the major portion of the width of the bag length beyond the other wall, both walls adjacent one edge of the bag length at the said end of the bag length being curved outwardly, this curved portion being turned inwardly transversely of the bag length between the walls of the bag length to provide a valve flap, the open or filling end of which is convex.

2,119,217
**TOOL HOLDER**
Pompeo Rocchi, Jamaica, N. Y.
Application February 25, 1936, Serial No. 65,587
3 Claims. (Cl. 206—16)



1. A tool holder comprising a body having tool receiving means, a tool retaining element of inverted V-shaped cross-section and folded contour pivoted to the body at one end and having a slot adjacent its free end and a latch disposed between the folds of the retaining element and pivoted thereto, the end of the body and the edge of the latch being provided with co-operating surfaces to guide the latch into locked position with the body and to lock the parts together.

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2,119,218
**PHONOGRAPH TURNTABLE DRIVE**
Stuart J. Rodger, New York, N. Y., assignor to Jacob Strauss and Isidore H. Goldman, both of New York, N. Y.
Application December 24, 1937, Serial No. 181,495
4 Claims. (Cl. 74—190)



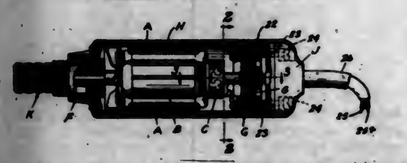
1. A two-speed phonograph turntable drive capable of operating at either a lower or a higher speed comprising, in combination, a rotatable circular turntable having a downwardly extending circular driving rim, an electric motor so located that its shaft projects upwardly above the lower edge of said driving rim, the projecting portion of said motor shaft having a smaller and a larger circular driving portion, a lower speed friction idler located between the smaller portion of said motor shaft and said driving rim, a higher speed friction idler located between the larger portion of said motor shaft and said driving rim, said motor shaft being movable in a plane parallel to the turntable in such manner that its smaller portion may drive the turntable at the lower speed through said lower speed idler and said driving rim and that its larger portion may drive the turntable at the higher speed through said higher speed idler and said driving rim.

2,119,219
**COMPRESSION IGNITION INTERNAL COMBUSTION ENGINE**
Joseph P. Ruth, Denver, Colo.
Application September 13, 1935, Serial No. 40,418
6 Claims. (Cl. 123—32)



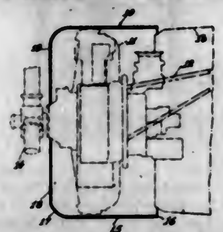
1. In a compression ignition internal combustion engine, a cylinder, a bore axially of said cylinder, a pair of pistons operatively associated with said cylinder for simultaneous, oppositely-directed reciprocation axially thereof, an arcuate-walled auxiliary combustion chamber comprising a pair of spherical lobes tangentially disposed with their centers on a line parallel with the cylinder axis carried by and in radially offset relation with said cylinder intermediate said pistons, a port communicating between said cylinder bore and auxiliary chamber, and means operable to inject liquid fuel into said cylinder bore and auxiliary chamber.

2,119,220
**CONTROL SWITCH FOR ELECTRICALLY OPERATED DEVICES**
Loyd Scruggs, University City, Mo.
Original application June 22, 1935, Serial No. 27,282. Patent No. 2,082,344, dated June 1, 1937. Divided and this application February 8, 1936, Serial No. 62,875
1 Claim. (Cl. 200—157)



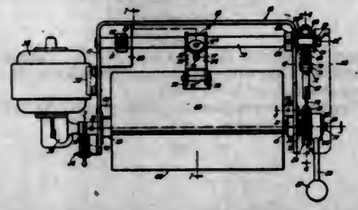
A control switch for an electrically operated device, comprising a stationary part made of insulating material, concealed contact plates carried by said part, a reduced cylindrical portion on said stationary part, a shiftable cap member made of insulating material reciprocatingly mounted on and surrounding the reduced cylindrical portion on said part, combined retaining devices and limiting stops for said cap member threaded into the end of said stationary part and provided with enlarged heads positioned in counter-bored holes formed in the end face of said cap member, prongs on said cap member positioned in holes in said stationary part and adapted to be moved into and out of operative relationship with said contact plates by reciprocating said cap member on the reduced cylindrical portion on said stationary part, a duplex cord whose wires are attached to said prongs on the interior of said cap member, said cap member being composed of two pieces, and a means for detachably connecting together the two pieces of said cap member consisting of screws that are normally concealed from view and which are accessible only after said cap member has been completely disassembled from said stationary part.

2,119,221
**ENGINE COWLING**
Kenneth Campbell, Radburn, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application May 15, 1937, Serial No. 142,760
4 Claims. (Cl. 123—171)



3. In an aircraft power plant, a static radial cylinder engine, an annular cowling embracing the engine cylinders having a leading edge defining an air entrance opening ahead of the engine for the reception of cooling air, said cowling being subject to spillage of air toward the top of its leading edge when the cowl axis is inclined upwardly relative to the attacking airstream, and a baffle across the uppermost segment of said opening for preventing said spillage, said cowling having an exit opening through which air entrained within the entrance opening may issue.

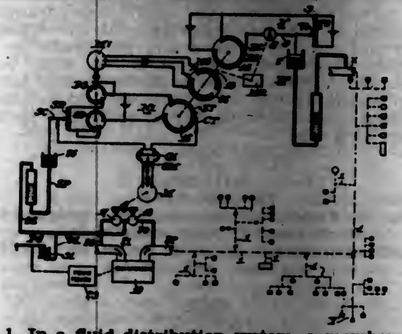
2,119,222
**IRONING MACHINE**
Edward B. Carson, Fort Myers, Fla.
Application July 16, 1936, Serial No. 90,911
9 Claims. (Cl. 38—69)



1. In an ironing machine of the character described, a frame of substantially U-shape in plan, a roll shaft rotatably mounted through the arms of said frame, a roll secured on said shaft, a shoe shaft rockably mounted through the arms of said frame, a shoe carried by said shoe shaft for movement to and from said roll, an electric motor mounted on one arm of said frame having driving connection to said roll shaft, said shoe shaft projecting outward beyond the other of said arms, an operating arm secured on said projecting portion of said shoe shaft, a shoe operating lever mounted on said other arm of said frame, and operating connections between said lever and said arm.



2,119,223
**CONTROL SYSTEM**
George A. S. Cooper, Newark, N. J., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 30, 1936, Serial No. 77,121
12 Claims. (Cl. 137—78)



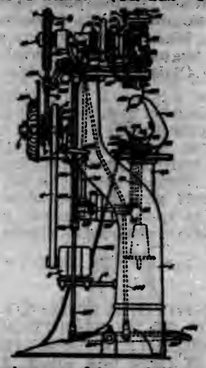
1. In a fluid distribution system, a member at a supply station for said system movable in response to changes in magnitude of the pressure at a remote point of said system, a normally balanced control system, means included in said control system adjusted by said member to unbalance said control system, means responsive to unbalance of said control system to change the input from said station to said distribution system, means included in said control system responsive to change in said input to effect rebalance of said control system, and means for unbalancing said control system so long as there is departure of said member from a position corresponding to the desired magnitude of pressure at said remote point.

2,119,224
**DISPENSER FOR CHERRIES OR THE LIKE**
Stanley V. Dahlin, Chicago, Ill.
Application August 4, 1937, Serial No. 157,372
1 Claim. (Cl. 312—39)



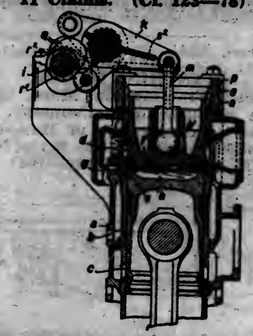
In an ejector of the class described, the combination of a bowl provided in its bottom with a channel having its base wall formed on a true arc of curvature, said channel being adapted to confine in processional relation a plurality of the articles to be dispensed, a cover fitted upon the bowl and provided on one side with a discharge spout of inverted J-shape formation, having its short leg communicating with the interior of the bowl and its long leg discharging exteriorly of the bowl, the mouth of the short leg being above the terminus of the channel, an ejector arm pivoted to the cover on the axis of curvature of the base of the channel and in position to have its free end sweep through the channel, the free end being dished to engage and carry upwardly from the channel a single article to be dispensed, a stop on the cover for suddenly arresting the movement of the ejector arm in position to cause the article carried thereby to be ejected into the spout and to be there directed outwardly through the discharge end of the spout, and means carried by the cover for oscillating the ejector arm.

2,119,225
**SHOE SEWING MACHINE**
Stevenson A. Dobyne and John C. Dobyne, St. Louis, Mo.
Application September 27, 1934, Serial No. 745,692
19 Claims. (Cl. 112—34)



1. In a sewing machine of the character described, a needle bar, driving means therefor, a presser foot, releasable connections between said driving means and said needle bar adapted to limit the down-stroke thereof to a constant position, and means controlled by the said presser foot adapted to release said connections at variable points in the up-stroke of said needle bar, whereby said needle bar is adapted to measure a length of thread for each stitch in accordance with the thickness of the work as gaged by said presser foot.

2,119,226
**INTERNAL COMBUSTION ENGINE**
Fritz Ernst, Krohnhagen, near Kiel, Germany, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany
Application August 27, 1936, Serial No. 98,127
In Germany September 7, 1935
11 Claims. (Cl. 123—78)



2. In an internal combustion engine, a cylinder, a piston in said cylinder, a slide valve in said

cylinder opposed to the head of said piston, mechanical means for reciprocating said slide-valve in synchronism with the movement of said piston, said cylinder having ports controlled by said slide valve, interlocking stops on said valve and said cylinder for locking said valve against sliding movement, and means for intermittently engaging said stops during a period beginning prior to and continuing through the time of greatest pressure upon said valve and then disengaging said stops.

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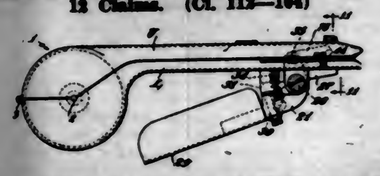
2,119,227
GARMENT
George A. Fletcher, Minneapolis, Minn., assignor, by mesne assignments, to Munsingwear, Inc., Minneapolis, Minn., a corporation of Delaware
Application August 20, 1936, Serial No. 97,018
4 Claims. (Cl. 2—36)



1. In a garment of the class described, a body portion of a suitable material capable of yielding to outward pressure, a panel secured to the front of the garment and overlying the diaphragm and stomach of the wearer and having its upper side portions extending partially around the waist and terminating rearwardly of the centerline of the hips, said panel being capable of stretching in one direction, stiffening bones fitted in the front of the panel and acting to maintain the stomach substantially flat, and other relatively shorter bones secured to the upper rearmost portions of said panel and fitting against the hips at the front and rear of the median plane thereof, thereby to anchor the garment to the body to prevent it from relatively shifting thereon.

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2,119,228
ATTACHING DEVICE
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application December 12, 1936, Serial No. 115,576
12 Claims. (Cl. 112—104)



1. A device of the class described, comprising a frame, a needle slidably mounted on the frame, a manual control for advancing the point of the needle beyond the frame, means for directing a strand to the needle, means for clenching successive clips about juxtaposed strand sections in the region of the needle, a handle to operate said last-named means, the handle being movable to operate said means irrespective of the position of the needle, whereby the needle may advance a strand end through sheet material, the strand end may then be gripped and the needle retracted, whereupon the strand end may be brought into juxtaposition to another strand portion beyond the edge of the material, and the juxtaposed strand portions may be secured to each other by a clip.

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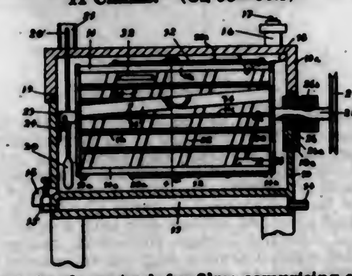
2,119,229
FINGER RING
Tony E. Foster, Indianapolis, Ind., assignor to Herff-Jones Co., Indianapolis, Ind.
Application March 13, 1937, Serial No. 130,738
1 Claim. (Cl. 63—15)



A finger ring comprising an endless one piece band with a recess formed therein on its outer side and bounded by a surrounding shoulder having central portions thereof on opposite edges of the band increased in height to define a crown seat, and said band having a bar extending centrally across such recess between said raised central portions of the shoulder and upstanding from the bottom of the recess, a mounting crown secured to and resting by its ends on said central portions of the shoulder across and above said recess, side plates covering over and enclosing the portions of said recess on either side of said crown, resting on said shoulder and in abutment with the sides of said crown, a setting on the mounting crown and means comprising a rivet securing the setting to said bar.

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2,119,230
DEVELOPER TANK FOR STRIPS OF FILM
Paul Hagen, Brooklyn, N. Y.; Margaret Hagen administratrix of said Paul Hagen, deceased
Application June 29, 1936, Serial No. 87,947
11 Claims. (Cl. 95—89.5)



1. A developer tank for films comprising an enclosed lightproof tank having a removable lightproof cover, a movable film carrier within said tank upon which film may be engaged in a totally dark room, means for driving said carrier, said carrier comprising a pair of spaced discs connected together with strips and a spiral track mounted upon said strips, said spiral track having a raised central portion forming shoulders for supporting the edges of the film.



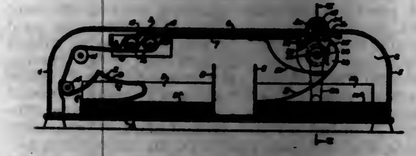
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2,119,231
PROCESS OF RECOVERING MERCURY FROM ANTIMONY-CONTAINING ORES
Reed W. Hyde, Summit, and Robert H. Cromwell, East Orange, N. J., assignors, by direct and mesne assignments, of one-half to Dwight & Lloyd Sintering Company, Inc., New York, N. Y., a corporation of Delaware, and one-half to Associated Metals & Minerals Corporation, New York, N. Y., a corporation of New York
No Drawing. Application May 7, 1937, Serial No. 141,242
8 Claims. (Cl. 75—8)

1. A process of sintering ore material, rich in antimony and mercury sulphides, which comprises admixing said material with residues of a previous roasting operation, spreading said mixture in a bed, igniting it at one surface, and burning it at a temperature between 800° and 950° C. by a cross blast of air to remove the sulphur and mercury content.

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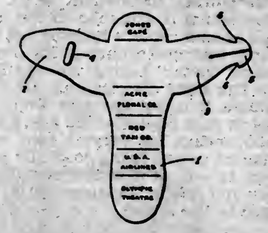
2,119,232
AUTOGRAPHIC REGISTER
Clarence L. Johnston, Oakland, Calif.
Application May 22, 1935, Serial No. 22,757
9 Claims. (Cl. 282—16)



8. In an autographic register, a casing having therein a record strip storage space, a writing table within the casing forming a support for a plurality of superposed strips, said strips having a succession of forms printed thereon and having tear lines between the forms, said strips comprising an original, a duplicate and a record strip, each strip having perforations formed therein substantially on the tear lines, an upper and a lower shaft extending crosswise of the casing, friction feeding rollers secured on the respective shafts and engageable with the strips to advance them over the table, means carried by the said shafts for elevating the upper shaft momentarily during the feeding operation of a set of forms to interrupt the feed, a pair of prongs carried by the lower shaft adapted to enter the perforations between the forms when the friction feed is interrupted and to continue the feeding of the forms during the interrupted period, said prongs remaining in the perforations of the record strip after the friction feed has been restored, and after original and duplicate forms have been detached, to positively feed the record strip into the storage space, and stripping means including strippers, one of which strippers acts during every second revolution of the lower feed rollers to release the record strip into the rear portion of the storage space, and means for actuating the other stripper during every alternate second revolution of the lower feed rollers to release the record strip into the forward portion of the storage space, to thus provide for the folding of the record strip.

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2,119,233
SLIPPER
Glenn D. Judkins, Stockton, Calif.
Application October 7, 1936, Serial No. 104,403
1 Claim. (Cl. 36—11.5)



A one piece slipper forming blank of flexible material comprising a sole, a wing projecting from each side of the sole intermediate the ends thereof, the outer end of one wing being formed as a projecting locking tongue, said tongue being split longitudinally and formed with opposed notches in the side edges thereof; the other wing having a transverse tongue receiving slot cut therein intermediate the ends of said wing, the slot being shorter than the maximum width of the tongue.

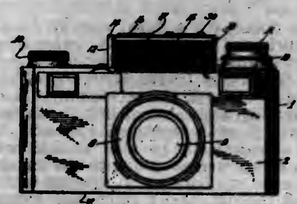
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2,119,234
METHOD OF TREATING WOOD FOR THE RAPID MATURATION OF WHISKEY AND OTHER ALCOHOLIC LIQUORS AND WINES
Ernst T. Krebs and Ernst T. Krebs, Jr., San Francisco, Calif.
No Drawing. Application July 14, 1937, Serial No. 153,674
6 Claims. (Cl. 99—48)

1. A method of treating oak wood to stimulate a profuse cryptogamic growth in the wood, which growth is rich in aminosuccinamids and an emulsin complex rich in tannase, the steps which consist in reducing the wood to comminuted form, toasting it to dehydrate the tannin contained, and moistening the comminuted toasted wood with a solution containing an emulsin complex and ether and maintaining the wood in the moistened condition until a maximum cryptogamic growth and the resultant secretion of emulsin complex rich in tannase is obtained.

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2,119,235
PHOTOGRAPHIC CAMERA
Heinz Küppenbender, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application February 17, 1936, Serial No. 64,322
In Germany March 4, 1935
3 Claims. (Cl. 88—23)

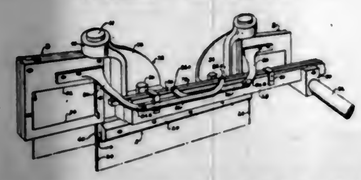


1. The combination with a photographic camera provided with a camera casing having a rela-

tively narrow top wall, and film winding instrumentalities extending outside of said top wall; of a photoelectric exposure meter comprising a photoelectric cell, an electrical measuring instrument and a resistance, said photoelectric cell and electrical measuring instrument being mounted in a housing which is attached to the outside of the top wall of said camera housing between said film winding instrumentalities, the housing of said exposure meter having an opening in a wall facing the same direction as the front wall of said camera housing, through which opening light passes to said photoelectric cell, and manually operable means for varying said resistance, said last named means being coaxially positioned with respect to one of said film winding instrumentalities and being independently rotatable with respect to the latter.

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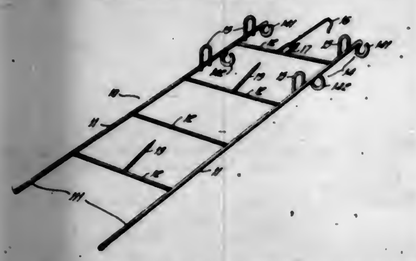
**2,119,236**
**TOPPING BAR**
**Richard F. Meier, Philadelphia, Pa.**
**Application June 27, 1934, Serial No. 732,561**
**3 Claims. (Cl. 66—96)**



1. A topping bar comprising a bar and a plurality of slidable needles therein, grooves in said bar to guide the needles, a spring engaging each of the slidable needles, and means on each of said needles for limiting its movement.

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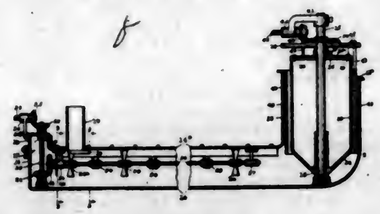
**2,119,237**
**FRAME AND RACK FOR FLORAL DISPLAY**
**Herman Mendel, Albany, N. Y.**
**Application September 6, 1935, Serial No. 39,380**
**5 Claims (Cl. 41—12)**



4. In a frame for a floral display rack or the like comprising longitudinally extending bars, cross bars connecting said longitudinally extending bars to form a frame, the ends of said bars being free at one end, the other end of said frame being provided with spaced bar receiving members provided with openings the axis through which is substantially parallel to said bars, said members being engageable with the cross bar of a complementary frame and serving to limit the movement thereof, and a splice bar free at each end and adapted to be received in said members which are substantially parallel to the bars of a given frame, said splice bar being provided at an intermediate portion with a stop member engageable with an annular member in which it is received for limiting the movement of said splice bar.

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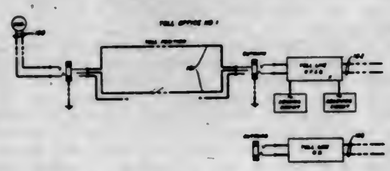
**2,119,238**
**PRECIOUS METALS ALLOYING APPARATUS**
**Richard C. Merrill, Cave Junction, Oreg.**
**Application February 14, 1938, Serial No. 190,452**
**5 Claims. (Cl. 266—34)**



1. Apparatus of the kind described including, a cylindrical bowl, a substantially horizontally disposed pipe having its outer end closed and its inner end connected with the bottom of the said bowl and having a portion of its upper part removably fastened thereon as a cover, a receiving tube connected with the said pipe cover disposed near the said closed end of the pipe, drivable means disposed within the said pipe adapted to mix any pulverous and fluid contents thereof and advance the said contents toward the said bowl, mechanical connections between the said drivable means within the pipe and driving means outside of the pipe adapted to convey driving power to the said drivable means within the pipe, a vertical shaft centrally disposed within the bowl fastened to the bottom thereof, a cylindrical element mounted on the said shaft for revolution within the said bowl providing an intervening annular space, a disc mounted for revolution on the said shaft disposed above the said element, a plurality of paddles fastened to the said disc extended into the said annular space revoluble therein by the revolution of the said disc, and means to revolve the said disc.

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**2,119,239**
**TELEPHONE SYSTEM**
**John Messar, Basking Ridge, and Floyd M. Wiese, Elizabeth, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application October 29, 1936, Serial No. 108,146**
**28 Claims. (Cl. 179—27)**



1. In a telephone system, two terminal toll positions, an intermediate toll position, toll lines, means at said intermediate position for interconnecting two of said lines to establish a through connection between said terminal positions, supervisory devices at each of said positions, means for sending signaling current from one terminal position directly through the intermediate position to the distant terminal position without rendering effective the supervisory devices at the intermediate position, and means at said distant terminal position responsive to said signaling current for operating the supervisory devices thereat.



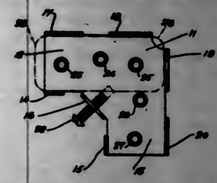
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**2,119,240**
**METHOD OF INHIBITING GUM FORMATION IN STORED HYDROCARBON MOTOR FUELS**
**Willard E. Lyons, Chicago, Ill., assignor to Hendricks Research Corporation, Chicago, Ill., a corporation of Illinois**
**No Drawing. Application December 10, 1937, Serial No. 179,101**
**7 Claims. (Cl. 44—9)**

1. In the process of storing an uninhibited liquid hydrocarbon motor fuel having a tendency toward gum formation, the step of inhibiting such gum formation which comprises establishing in contact with a layer of such hydrocarbon motor fuel a relatively fuel-immiscible but water-miscible solution layer containing an acidic substance dissolved therein that is relatively insoluble in said motor fuel and that furnishes at the interface between said layers a persistent concentration of stable hydrogen ions sufficient in amount to act catalytically only and without appreciable depletion in the performance of their function to inhibit gum formation in said stored liquid hydrocarbon motor fuel.

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**2,119,241**
**VENETIAN BLIND HEAD BAR BRACKET**
**Julius Nisenson, Brooklyn, N. Y.**
**Application January 13, 1937, Serial No. 120,374**
**8 Claims. (Cl. 156—17)**

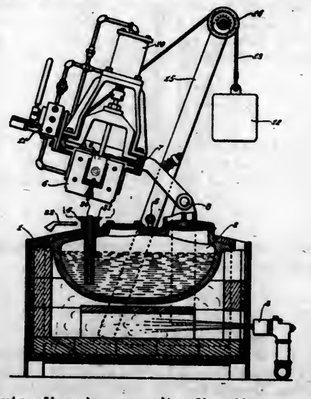


1. A reversible Venetian blind head-bar supporting bracket including a pair of spaced clamping and attaching lugs, oppositely disposed and forming an angle with relation to each other; clamping means, adapted for rectilinear movement in a direction which bisects the angle formed by said clamping and attaching lugs; and a pair of head-bar supporting lugs, one of said head-bar supporting lugs being parallel to and spaced from one of the said attaching lugs, and the other one of said supporting lugs being parallel to and spaced from the other attaching lug.

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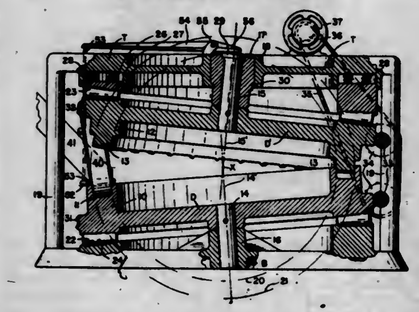
**2,119,242**
**METHOD AND APPARATUS FOR CASTING**
**John Flammang, University City, and Percy L. Bowser and Herman Ernst, St. Louis, Mo., assignors to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware**
**Application August 12, 1931, Serial No. 556,568**
**Renewed July 8, 1936**
**8 Claims. (Cl. 22—209)**

1. Apparatus for casting trunk pistons provided with wrist-pin bearings, comprising, a mold having a piston-forming matrix arranged with the piston head lowermost, and having a gate entering the matrix at the middle of the piston head and provided with lateral wing portions extending in opposite directions across the piston head along the wrist pin axis.



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**2,119,243**
**BRIQUETTING PRESS**
**Robert James Piersol, Urbana, Ill.**
**Application April 17, 1937, Serial No. 137,462**
**6 Claims. (Cl. 25—64)**



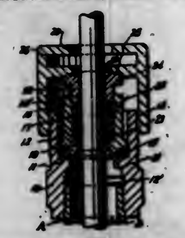
1. A press of the character described including die and plunger members telescopically movable relative to each other, the sliding surfaces thereof being portions of two concentric spheres, means for feeding material to the space between said members as they move relative to each other and means for regulating the rate of feeding, said means being responsive to the pressure of the plunger relative to the die whereby to decrease the rate of feed when the resultant maximum pressure on the briquette being formed exceeds a predetermined value.

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**2,119,244**
**STUFFING BOX**
**Albert Pranger, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware**
**Application June 4, 1936, Serial No. 83,527**
**10 Claims. (Cl. 286—15)**

1. A stuffing box including, a head through which a reciprocating rod extends, a housing within the head and mounted to undergo a rocking movement relative to the head, an elastic

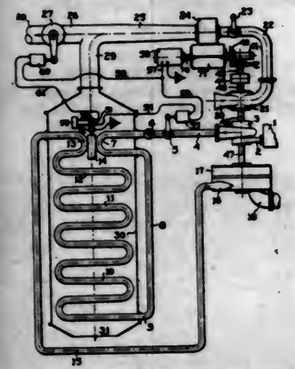
packing within the housing and engaging the rod to pack off therearound, and a packing gland,



said gland being held in engagement with said packing by means of said head.

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2,119,245
**BOILER REGULATION**
Nathan C. Price, Berkeley, Calif., assignor to Sirius Corporation, a corporation of California
Application December 18, 1936, Serial No. 116,609
12 Claims. (Cl. 122—451.1)



1. A boiler control comprising a series tube vapor generator, and means for supplying feed liquid thereto in accordance with the relative thermal conditions of the liquid in the economizer section thereof as compared to the thermal conditions of the vapor in the superheater section thereof.

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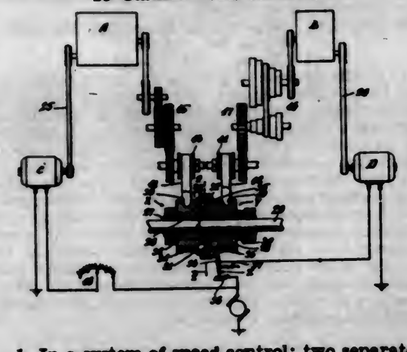
2,119,246
**HAT FLANGING IRON**
Paul Schultze, Danbury, Conn., assignor to Doran Bros., Inc., Danbury, Conn., a corporation of Connecticut
Application October 1, 1937, Serial No. 166,759
13 Claims. (Cl. 223—21)



1. In an iron for hat flanging machines, the combination with an arm for supporting an iron, of a rockable support carried thereby, an iron carried on said rockable support and having an air duct passing therethrough, ironing plates mounted in the mouth of the air duct, an electric heating unit carried on the arm and connected with the air duct, and an air supply pipe connected with the heating unit for passing air thereto and through the iron.

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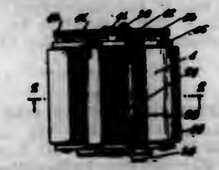
2,119,247
**SPEED CONTROL SYSTEM**
Walter C. Scott, Plainfield, N. J.
Application January 23, 1936, Serial No. 60,423
13 Claims. (Cl. 74—395)



1. In a system of speed control: two separately driven devices; a speed coordinator including two separately driven rotatable members and intermediate means that permit said members to rotate independently at the same or at different speeds; means to drive one member proportional to the speed of one of said devices and the other member proportional to the speed of the other of said devices and at equal speed when a desired relative speed is attained between the two devices; and means, governed by variations in speed of the two members, to occupy one position when the speed of the two members is equal and to occupy the same position when the speed of one of said members exceeds that of the other, and to occupy another position when the speed of said other member exceeds that of the first-mentioned member, to thereby control the relative speed of the two devices.

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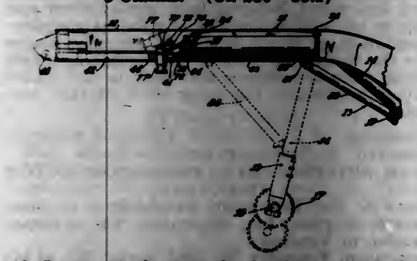
2,119,248
**RAZOR**
Hyman R. Segal, New York, N. Y.
Application April 25, 1936, Serial No. 76,297
6 Claims. (Cl. 30—43)



3. A razor including a head, a shearing mechanism associated therewith, a motor for constantly operating said mechanism, rotatable means movably coupled to said head and to contact and tension a surface from which hair is to be removed by said mechanism, and means coupling said motor with said tensioning means for constantly operating the latter.



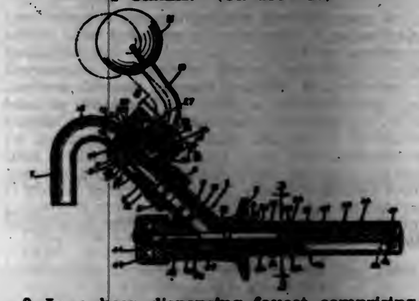
2,119,249
**LANDING GEAR**
Carl G. Seyferth, Muskegon, Mich.
Original application March 8, 1937, Serial No. 129,599. Divided and this application April 23, 1937, Serial No. 138,522
5 Claims. (Cl. 280—33.1)



1. In a control means for landing gear, a shaft mounted for rotation and having an axial bore and a helical slot in the walls thereof, means disposed within said bore and operably associated with said helical slot for rotating said shaft upon reciprocation thereof, means mounted on said shaft for co-operating with said slot to be reciprocated thereby upon rotation of the shaft, and means interconnecting said last named means and the landing gear for moving the latter between operative and inoperative positions.

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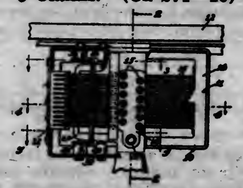
2,119,250
**BEER FAUCET**
Elmer H. Smith, Minneapolis, Minn., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn., a corporation of Delaware
Application October 5, 1937, Serial No. 167,351
4 Claims. (Cl. 138—46)



3. In a beer dispensing faucet comprising a unit structure adapted to be connected to a source of beer, said structure including a body having a longitudinal bore therethrough and a dispensing valve for controlling the flow of beer therefrom, means for preventing foaming of the beer comprising a regulating means in said bore interposed between said dispensing valve and the source of beer supply, said bore having portions of different internal dimensions, the portion of the bore of less dimension being of uniform cross-section, said regulating means including a sleeve member mounted for longitudinal movement in said bore in overlapping relation to said bore portions, the effective portion of said sleeve member being of uniform dimension throughout its length so as to form with the bore of less dimension a restricted passageway of substantially uniform cross-sectional area, and means for moving said sleeve member longitudinally in said bores to vary the relative length of the restricted passageway defined by the smaller bore and said sleeve member, thereby to provide a restricted passageway of variable length and uniform cross-sectional area throughout its length and through which the beer must pass before reaching said dispensing valve.

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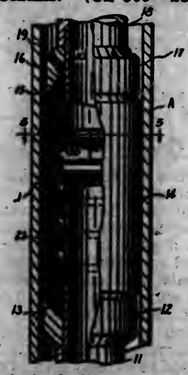
2,119,251
**PHONOGRAPH APPARATUS**
Paul H. Smyth, Jr., Chicago, Ill.
Application March 14, 1935, Serial No. 11,092
9 Claims. (Cl. 274—10)



5. Selecting mechanism including a plurality of selector bars each movable back and forth into and out of selecting position, a plurality of selecting plungers each operable to move one of said bars toward selecting position and including a master plunger and a bail movable thereby to engage and move all of said bars toward selecting position and also a reset plunger and a bail movable thereby to engage one or more of said bars in selecting position and move said bar or bars out of selecting position, together with means cooperable with each of said bars and automatically operable to move a said bar positively into or out of selecting position when said bar has been moved a predetermined distance toward either of said positions.

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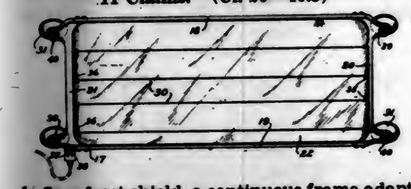
2,119,252
**WELL SWAB**
Ferl A. Thaheld, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application April 4, 1936, Serial No. 72,747
12 Claims. (Cl. 309—23)



1. A well swab including, a support adapted to be lowered in a well casing, an elastic packing member mounted on the support, means engaging the upper end of the member and adapted to be subjected to the well fluid thereabove for distorting the member into engagement with the well casing, means capable of longitudinal

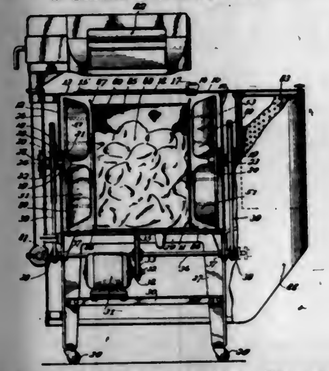
distortion reinforcing the member, and means limiting the longitudinal distortion of said reinforcing means.

2,119,253
**VEHICLE FROST SHIELD**
**Joel R. Thorp and Steen Strand, West Allis, Wis., assignors to The Fulton Company, West Allis, Wis., a corporation of Wisconsin**
Application April 22, 1936, Serial No. 75,715
11 Claims. (Cl. 20—40.5)



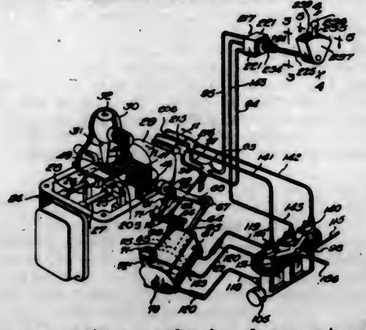
1. In a frost shield, a continuous frame adapted to coact with an inclined window and having upper and lower portions of greater horizontal than vertical transverse width extending substantially horizontally away from the window at an oblique angle when said frame is applied thereto, and a transparent sheet carried by said frame and disposed substantially parallel to the window.

2,119,254
**WASHING MACHINE**
**Robert H. Whiteley, Oak Park, Ill.**
Application May 25, 1935, Serial No. 23,414
2 Claims. (Cl. 68—37)



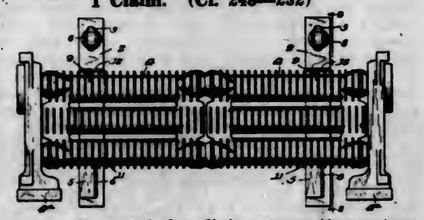
1. In a clothes washing machine, the combination of a container having a hemi-cylindrical bottom portion and having substantially vertical end walls, for receiving the washing fluid and clothes, with a pair of agitators, said agitators being mounted for rotation about horizontal axes in said end walls, and said container being adapted to be filled with cleaning fluid to a point below the axes of the agitators, means for imparting a rotative motion to said agitators, each of said agitators comprising a substantially flat supporting disc adapted to extend into juxtaposition with the external cylindrical walls of said container, and each agitator having upon said supporting disc a pair of agitator blades located on the side of said agitator-supporting disc, away from the adjacent wall of the container, said blades facing each other upon oppositely disposed discs, each of said blades extending in a general radial direction with respect to the axis of rotation of each agitator, and each blade having its rearward wall extending at substantially right angles to the surface of the disc and having its forward wall extending at an obtuse angle with respect to said disc, whereby the blade occupies a substantial volume and is adapted to displace cleaning fluid and impel cleaning fluid axially from said discs to establish in the cleaning fluid a predetermined flow of liquid from said impeller blades into the clothes and out of the clothes at points spaced from the blades, and back to the blades at points adjacent the outer walls of said container.

2,119,255
**GEAR SHIFTING MECHANISM FOR MOTOR VEHICLES**
**Henry W. Hey, Richmond, Va., assignor to Automatic Shifters, Inc., Richmond, Va., a corporation of Virginia**
Application February 20, 1936, Serial No. 64,948
31 Claims. (Cl. 74—334)



1. A gear shifting mechanism for a motor vehicle having a transmission provided with shifting means movable to control the transmission ratio, comprising power mechanism connected to operate said shifting means, control mechanism connected to control the operation of said power mechanism, and auxiliary control means connected to control said power mechanism in conjunction with said control mechanism, said auxiliary control mechanism comprising a valve device having a single movable member which is operable by said power mechanism for rendering a portion of said control mechanism ineffective under predetermined conditions.

2,119,256
**SUPPORT FOR RADIATORS AND THE LIKE**
**John Kacena, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois**
Application February 11, 1937, Serial No. 125,190
1 Claim. (Cl. 248—232)

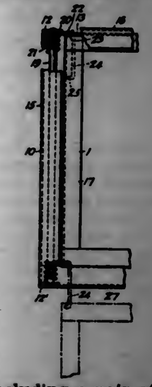


In a wall-mounted radiator supporting means, a combined bracket comprising a plate supporting



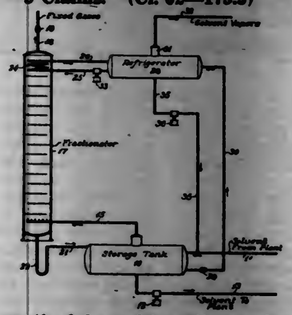
member having a vertical back plate having welded transversely thereto an angle plate member with a substantially vertical extending surface in which the horizontally extending upper edge thereof serves as the supporting means for the said radiator, a clip member of angular plate form superposed above and over said plate member, the said clip member having a downwardly extending projection, whereby the radiator is prevented from taking a leaning position away from the said wall.

2,119,257
**STUDIO COUCH**
**Abraham Krakauer, Brooklyn, N. Y., assignor to Kay Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York**
Application December 7, 1934, Serial No. 756,411
8 Claims. (Cl. 5—18)



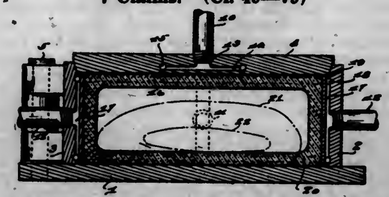
3. In a bed including a pair of relatively movable bed frames, a transversely arranged guide rod on one of the frames, the other of the frames having a slot therein, and a wire member of a single piece of material provided with a plurality of turns loosely mounted on the guide rod, said member having a portion spaced from said turns and entering the slot of the other frame.

2,119,258
**METHOD AND APPARATUS FOR REFRIGERATION**
**Edward G. Ragatz, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California**
Application October 30, 1936, Serial No. 108,451
5 Claims. (Cl. 62—175.5)



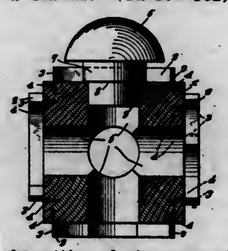

1. In a method for refrigeration and reconditioning a volatile liquid solvent containing fixed gases and water in a quantity insufficient to cause said liquid to become corrosive, the steps of partially evaporating a portion of said volatile liquid to withdraw fixed gases contained therein, conveying another portion of said volatile liquid solvent into a refrigeration zone, evaporating a portion of said volatile liquid in said zone to cause refrigeration therein, withdrawing a portion of the volatile liquid in liquid form from said zone together with the water in said liquid to prevent excessive concentration of the water in said liquid, and bringing the first mentioned evaporated solvent and the fixed gases in thermal contact with the liquid in said refrigeration zone, thereby causing the vaporized solvent to be fractionally condensed from the fixed gases.

2,119,259
**METHOD OF MAKING ARTICLES OF VITREOUS MATERIAL**
**Games Slayter, Newark, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio**
Application June 15, 1932, Serial No. 617,449
Renewed October 27, 1937
7 Claims. (Cl. 49—79)



1. The method which comprises sealing an air bubble in a mass of vitreous material while the latter is in a plastic condition, reducing the pressure on the entire exterior surface of the mass and thereby permitting the latter to be expanded by the internal pressure of the sealed air, and molding the mass to a predetermined shape simultaneously with said expansion.

2,119,260
**DOUGH CUTTING DEVICE**
**Humbert D. Valle, Philadelphia, Pa.**
Application October 2, 1936, Serial No. 103,751
2 Claims. (Cl. 30—301)



1. A dough cutting device comprising a body in the form of a cube, a cutting die for each face of the body and being in the form of a blade, each die being of a different design, lugs secured to the outer faces of the dies, penetrating means formed on the lugs and extending into the body for securing the dies to the faces thereof, said body having a bore extending into each of the faces thereof with the inner ends of the bores communicating with each other, a handle for the body and including a dome-shaped gripping portion, and plug means formed on the

dome-shaped gripping portion to be detachably secured in any one of the bores for changeable association of the handle with respect to the cutting dies to dispose any one of the latter in position for use.

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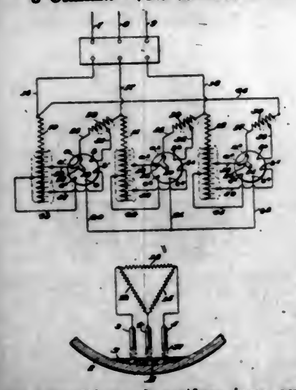
**2,119,261**
**METHOD OF DRYING SYNTHETIC FIBER**
**Bernard R. Andrews, Braintree, Mass.**
**Application July 27, 1935, Serial No. 33,459**
**1 Claim. (Cl. 34—24)**



The method of rapidly drying synthetic material such as artificial silk, rayon or regenerated cellulose in web or yarn form which consists in placing the synthetic material in a drying chamber, filling said chamber from an outside source with superheated water vapor which is substantially free from air and thereby expelling all air from the chamber, circulating said superheated water vapor through a closed circuit in said chamber whereby said superheated water vapor passes repeatedly over or through the material to be dried and thereby causes evaporation of moisture from said material, maintaining the circulating water vapor in a superheated condition while it is being circulated and during the drying operation supplying from an outside source such additional amounts of superheated water vapor substantially free from air to the repeatedly circulating stream of superheated water vapor as it moves through its closed circuit as may be necessary to maintain the drying chamber continuously filled with air-free superheated water vapor.

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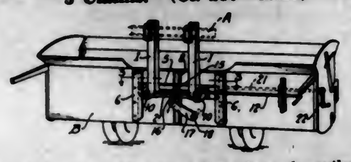
**2,119,262**
**REMELTING SCRAP METAL**
**Samuel Arnold, 3rd, Pittsburgh, Pa., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware**
**Application March 20, 1934, Serial No. 716,537**
**5 Claims. (Cl. 75—12)**



4. In the remelting of rustless iron and steel scrap in an electric arc furnace of the Heroult type having carbon electrodes to achieve low-carbon rustless iron or steel, the art which includes, maintaining within said furnace a bath of molten metal heated by means of 75 to 450 volt arcs to the surface of the bath, and intermittently charging into said metal and around the furnace banks batches of rustless iron or steel scrap, the batches of scrap metal protecting the banks of said furnace from the excessive heat of the high voltage arcs and being melted and assimilated by said bath, the maintenance of the high voltage arcs assuring the metal a freedom from contact by the furnace electrodes whereby carbon contamination of the metal is precluded.

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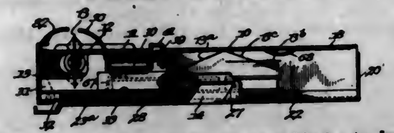
**2,119,263**
**HITCH MEANS**
**Versal Forrest Baumgardner, Celina, Ohio**
**Application December 27, 1937, Serial No. 181,726**
**3 Claims. (Cl. 280—33.10)**



2. In a hitch device of the class described, the combination with an apparatus to be towed, a cross member carried by said apparatus for vertical pivotal and vertical reciprocatory movements, a pull on such member exerting a pull on such apparatus, means carried by the apparatus for guiding the pivotal and reciprocatory movements of said member, said guide means including a vertical guide disposed substantially centrally of the horizontal length of said member, a pivot projecting through said member and cooperating with said vertical guide to guide the adjusting movements of said member, and control means carried by said apparatus and operable to impart vertical adjustment to said member, said control means being disposed partly at the rear of and partly in advance of said member and being connected to said pivot.

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**2,119,264**
**DEVICE FOR SHARPENING SAFETY RAZOR BLADES**
**Guillaume Barsch, Paris, France, assignor to Industrie A. G. Allegro, Emmenbrucke, Switzerland**
**Application July 27, 1937, Serial No. 156,028**
**2 Claims. (Cl. 51—159)**

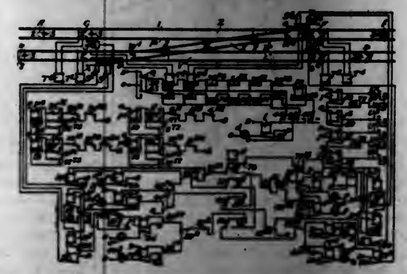


2. A device for sharpening razor blades including a body member provided with a trackway and a sharpening element, a blade supporting carriage movable on the trackway and with respect to said sharpening element, said carriage including an element adapted to be manually engaged for movement of the carriage, said element extending over the blade supported in the carriage, and an element movably mounted on the body member to normally cooperate with said last named element to completely surround a blade at one position of said carriage with respect to said body member, and to serve as a stop in the path of travel of said carriage, said movable element being movable to a position in which it will permit said carriage to move beyond its normal path of travel to enable a blade to be removed from the latter.



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**2,119,265**
**MULTIPLE CONTROL APPARATUS**
**Charles A. Brooks, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania**
**Application July 18, 1929, Serial No. 379,163**
**46 Claims. (Cl. 246—3)**



1. A railway interlocking system comprising a plurality of railway traffic governing devices, a plurality of stick relays, a plurality of contacts each of which is open except when manually held closed, a plurality of second contacts each of which is closed except when manually held open, a pick-up circuit for each of said stick relays controlled by one of said first contacts, a stick circuit for each of said stick relays controlled by one of said second contacts, means controlled by each of said stick relays for controlling one of said governing devices, and means controlled by each of said stick relays for preventing the control of another of said governing devices by another of said stick relays.

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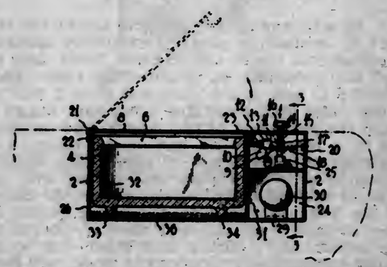
**2,119,266**
**BELT OR TUBE TURNER**
**Bernard B. Chester, Kingston, N. Y.**
**Application May 1, 1937, Serial No. 140,258**
**1 Claim. (Cl. 232—40)**



A device for turning tubular articles comprising a supporting member, a bracket carried thereby, a cylinder supported by the bracket, a push rod, brackets for supporting the same from the support in longitudinal alignment with the cylinder, a rod slidably supported on the support and having a handle at one end for sliding the last-mentioned rod, means for adjustably connecting the other end of the last-mentioned rod to the push rod, a pulley carried by the support at that end which is remote from the end part carrying the cylinder, a spring connected to the rear face of the support and a flexible member having one end connected with the spring and its other end connected with the push rod, the flexible member passing over the pulley.

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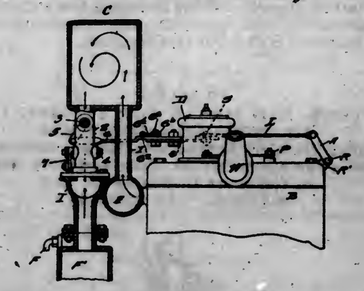
**2,119,267**
**AUTOMOBILE ASHTRAY**
**Catharine Berry Coleman, Mount Clemens, Mich.**
**Application May 4, 1937, Serial No. 140,723**
**17 Claims. (Cl. 240—2)**



1. An ash tray for an automobile comprising an outer receptacle positioned in an interior portion of the automobile so as to be accessible to the occupants thereof, a removable ash tray in said receptacle, a light bulb for lighting at least the perimeter of the ash tray when in position in the said receptacle, means for opening the ash tray to render the said removable tray available for use and means operatively connected thereto including circuit completing means to light the said bulb when the said removable tray is rendered available for use.

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**2,119,268**
**EXHAUST-GAS INJECTOR**
**Douglas Collins, Salisbury, N. C.**
**Application December 21, 1934, Serial No. 758,691**
**13 Claims. (Cl. 123—119)**



1. The combination with the exhaust manifold, the intake manifold, and the spark control mechanism of an internal combustion engine, of an intermediate valve-tube in communication with said manifolds and a control valve in said tube, means for adjusting the spark control mechanism, and means operatively connecting said adjusting means with said valve.

2,119,269
**REFILL FUSE PLUG**
John Cree and Frank Corlett, Hamilton, Ontario, Canada
Application July 13, 1936, Serial No. 90,494
2 Claims. (Cl. 200—130)



1. In a fuse plug, a cylindrical sleeve-like body part of insulating material exteriorly threaded, a cylindrical sleeve-like capsule fitted into said part and including an intermediate radial flange adapted to seat against one end of said part and a flat outer side extending from said flange toward the inner end of the capsule and terminating in a recess in said end of the latter, a cylindrical cup-like shell of conducting material threaded onto said part and fitting over said capsule against said flange to retain the capsule in the body part, a contact post extending into said capsule from one end thereof, and means for detachably securing said other end to said flange comprising a squared key block, said flange having a correspondingly shaped recess therein receiving said block.

2,119,270
**METHOD FOR TREATING THE RESIDUES FROM THE ROASTING OF THE IRON PYRITES**
Ineo De Vecchis, Paris, France
No Drawing. Application September 6, 1934, Serial No. 742,976. In France September 16, 1933
1 Claim. (Cl. 209—8)

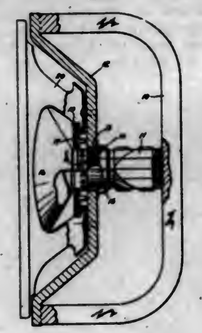
The method of producing a material suitable for use as a base material in the smelting of ferrous metals, which consists in discharging into water the incandescent residues from the roasting of iron pyrites, while preventing the cooling of said residues, and supplying air thereto in a quantity limited to that required for the complete combustion of such sulphur as may be contained therein, before reaching the water, and subsequently separating the iron containing from the iron free portion of said residues.

2,119,271
**METHOD AND MEANS FOR FITTING CAPS TO TUBULAR CONTAINERS**
Jakob Dichter, Schoneberg, Berlin, Germany
Application December 21, 1934, Serial No. 758,605
In Germany December 22, 1933
8 Claims. (Cl. 226—80)



1. In a method of fitting caps to containers, those steps which consist in placing the cap on the container, constricting the cap while it is in position on the container, and rotating the cap during the constricting operation.

2,119,272
**LOUDSPEAKER**
Bernard A. Engheim, Shaker Heights, Ohio, assignor to The Rola Company, Cleveland, Ohio, a corporation of Ohio
Application July 5, 1934, Serial No. 733,757
2 Claims. (Cl. 179—115.5)



1. In a loud speaker having a permanent magnetic structure comprising a one-piece U-shaped strip having substantially uniform width throughout its length, and having an inner pole piece fastened thereto, the inner pole piece comprising a plurality of flat plates which extend parallel to each other and in the same direction as the arms of the U, and having an outer pole piece attached to the ends of the arms and having an opening that cooperates with the inner pole piece to provide an annular air gap, one end portion of the plates forming a cylinder and the intermediate portion of the plates being flared in all planes which transversely cut the midportion of the U-shaped strip.

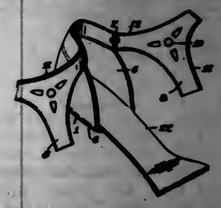
2,119,273
**VIBRATING SCREEN**
William A. Fye, Hollidaysburg, Pa., assignor to McLanahan & Stone Corporation, Hollidaysburg, Pa., a corporation of Pennsylvania
Application May 24, 1937, Serial No. 144,496
2 Claims. (Cl. 209—415)



2. In a vibratory screen structure, a screen box, supporting means for the screen box, a bearing mounted on said supporting means, a bolt having a portion thereof journalled in said bearing, a coil spring disposed about one end of the bolt laterally of said bearing and having an end secured to the bolt, said coil spring also having a second end secured to the screen box at one side of the latter, and said bolt being rotatable in the bearing for adjusting the tension of said spring, a ferrule on the bolt to rotate therewith, and inter-engaging means on said bearing and said ferrule for securing the bolt at the desired position of rotative adjustment.

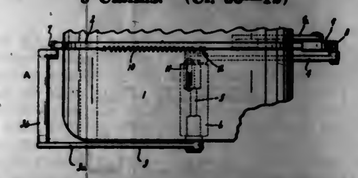


2,119,274
**MOLDED COUNTER AND UNMOLDED QUARTER FOR BOOTS AND SHOES, AND METHOD OF MAKING SAME**
Benjamin F. Hartwell, Leslie L. Hartwell, Jr., and Arthur F. Hartwell, Bellows Falls, Vt.
Application June 3, 1937, Serial No. 146,216
2 Claims. (Cl. 36—11.5)



2. As an improved article of manufacture, a counter and quarter blank for use in making boots and shoes, comprising a counter portion, and independent quarter portions sufficiently separated from said counter portion to permit independent molding of the counter portion while leaving the quarter portions unmolded, said blank comprising upper and lining materials united together, and a counter stiffener fitted in said counter portion.

2,119,275
**TAIL CLAMP**
Frank R. Higley, Cleveland Heights, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application February 9, 1935, Serial No. 5,716
9 Claims. (Cl. 38—12)



1. Pressing apparatus of the class described, comprising a pressing member having a pressing face adapted to receive an article to be pressed, a flexible band having a curvature, and means mounting said band for movement in the plane of said curvature between a closed position wherein said band has a part yieldably urged toward said face and an open position wherein said part is removed from said face, said mounting means including a pair of pivotally movable members having connection with opposite end parts of said band and being interconnected to provide coincident motion of said band end parts oppositely in said plane.

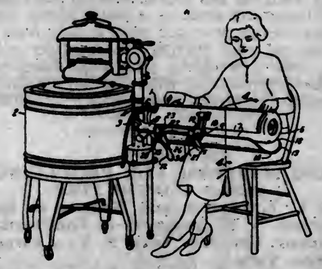
2,119,276
**WRINGER**
Sidney S. Holland, Gard F. Traugher, and Reuben J. McVey, Sandusky, Ohio, assignors, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Original application February 16, 1934, Serial No. 711,558. Patent No. 2,048,741, dated July 28, 1936. Divided and this application December 16, 1935, Serial No. 54,680
4 Claims. (Cl. 68—32)

1. In combination with a washing machine having a tub supported by spaced legs and having a wringer, driving mechanism for the wringer including a vertical shaft offset laterally at a side of one of the legs, a housing for the shaft and having a lateral extension projecting over and above the leg, a housing connected with said lateral extension, a driven shaft supported by



the last named housing in vertical alignment with the leg, a driving connection in said lateral extension for interconnecting said shafts, driving means connected with the lower end of the vertical shaft, means supporting the wringer for swinging movement about the axis of the driven shaft, and a driving connection connecting the driven shaft with the wringer.

2,119,277
**IRONER TRAY**
Sidney S. Holland, Sandusky, Ohio, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 24, 1936, Serial No. 60,605
10 Claims. (Cl. 38—64)



1. In combination with an ironing roll and its shoe, means for supporting the roll and shoe, a trough-shaped tray, and movable means connected with said supporting means for supporting the tray beneath and in spaced relation to the roll to provide a variable sized passageway between the roll and the tray.

2,119,278
**LINED OR COMPOSITE BATTERY BOX AND THE LIKE**
Charles L. Keller, Cincinnati, Ohio, assignor to The Richardson Company, a corporation of Ohio
Application October 31, 1934, Serial No. 750,863
5 Claims. (Cl. 206—2)

1. A composition storage battery case compris-

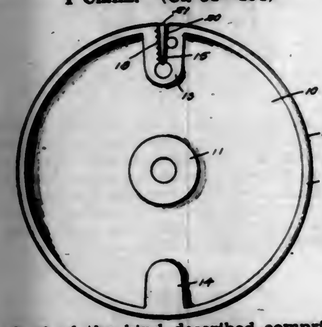
ing a body of bituminous composition and a liner



of rubber, said liner and body being bonded together.

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**2,119,279**
**GRINDING WHEEL**
**William A. Kerr and Robert A. Grubbs, Deuds, Iowa**
**Application March 29, 1937, Serial No. 133,730**
**1 Claim. (Cl. 51—194)**



A wheel of the kind described comprising an annular rim formed at its outer periphery and having an inwardly tapered recess extending inwardly from the outer face of said rim and opening laterally of said wheel at one side only and through the rim, one side of the recess being serrated, a wedging key engageable in the recess for fixedly fastening ends of a band about the rim, the wheel being provided with a plug hole crosswise thereof and having intersection with the recess, and a wedging lock plug insertable in said hole for coacting with the key in the recess in effecting clamping relationship therebetween.

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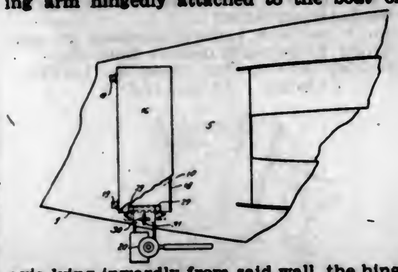
**2,119,280**
**SEALING MATERIAL FOR PRODUCING CAN SEALS AND THE LIKE**
**Alfred L. Kronquest and Samuel C. Robison, Syracuse, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York**
**No Drawing. Application December 1, 1932, Serial No. 645,316**
**5 Claims. (Cl. 106—23)**

1. A sealing material for tin cans and like containers comprising a water suspension of particles including polymerized chloro-2-butadiene-1,3, jellified drying oil, alkyd resin and ester gum.

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**2,119,281**
**MOUNTING FOR OUTBOARD MOTORS**
**Alfred E. Luders, Jr., Stamford, Conn.**
**Application July 24, 1936, Serial No. 92,399**
**6 Claims. (Cl. 115—65)**

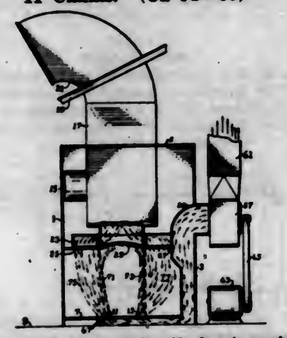
1. In marine propulsion apparatus, an outboard motor unit, comprising a propeller, driveshaft and motor, and a bracket supporting the motor unit in operating position, said bracket having an upright portion adapted to abut the outer wall of the boat and an inwardly extending arm hingedly attached to the boat on an



axis lying inwardly from said wall, the hinge being so arranged that the motor unit may be swung upwardly and inwardly into the boat, with the arm depending from the hinge.

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**2,119,282**
**SPRAY BOOTH**
**John E. Ludwig, Detroit, Mich., assignor to De Vilbiss Company, Inc., Toledo, Ohio, a corporation of Ohio**
**Application August 24, 1936, Serial No. 97,533**
**11 Claims. (Cl. 91—60)**



1. A ventilated spray booth having air supply means for supplying fresh air to said booth, an air inlet header associated therewith, low velocity directing means connected with said header for directing a large volume of air to flow in a path adjacent the object being sprayed, and an air projecting nozzle for projecting a sheet of air at high velocity between said large volume of moving air and the object being sprayed.

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**2,119,283**
**IRONER SHOE OPERATING MECHANISM**
**Reuben J. McVey, Sandusky, Ohio, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio**
**Application January 24, 1936, Serial No. 60,599**
**5 Claims. (Cl. 38—60)**

1. Ironer shoe operating mechanism including, in combination with an ironing roll and clutch mechanism controlling operation of the ironing roll including a rockable throw member, an ironer shoe, a rock shaft mounting the shoe for movement toward and from the roll, a lever on the rock shaft, a two-piece pitman having one member thereof pivotally connected with said lever and its other member eccentrically mounted on



said throw member and having yielding connection with the first member to compensate for variable movement of the ironer shoe relatively to



the ironing roll, means for actuating the clutch throw member to shift the shoe in one direction, and resilient means acting directly on the lever for returning the shoe.

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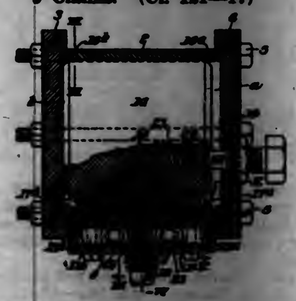
**2,119,284**
**SHAVING MECHANISM**
**Frederick Meyer, Union, N. J., assignor to Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey**
**Application March 29, 1938, Serial No. 198,734**
**5 Claims. (Cl. 30—43)**



4. Shaving mechanism including a power-driven rotatable shaft, a cutter member having a cutting edge extending generally radially from an end of said shaft, said member being fixed to rotate with said shaft by pivotal means, the axis of said pivotal means also extending radially of the shaft but transversely of said edge, an apertured guard member having an interior surface comprising a surface of revolution against which said edge bears, and spring means within the end of said shaft causing said edge to bear against said surface.

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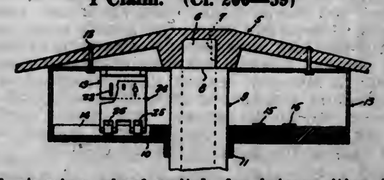
**2,119,285**
**VIBRATOR**
**Thomas Hubbard Morgan, Kittanning, Pa.**
**Application July 30, 1936, Serial No. 93,400**
**9 Claims. (Cl. 121—17)**



1. A vibrator including a cylinder and a piston reciprocable therein, means for alternately admitting fluid to the ends of the cylinder including a pair of fluid supply ports, a pair of exhaust ports adjacent the ends of the cylinder, said ports being in the form of transversely disposed slots having minimum dimension in the direction of piston movement and coacting with the piston to provide a short stroke and high frequency piston movement.

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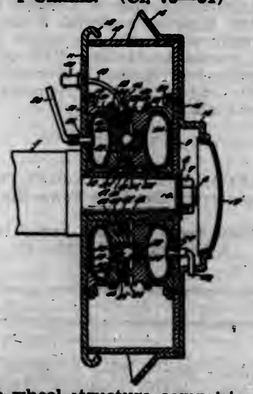
**2,119,286**
**SWITCH**
**Robert H. Polk, Hapeville, Ga.**
**Application August 29, 1934, Serial No. 741,970**
**Renewed November 29, 1937**
**1 Claim. (Cl. 200—59)**



A steering wheel switch for interposition between a source of current and an indicator, said switch comprising a stationary plate, a circular conductor strip on the plate, a pivotal arm, spring means for normally maintaining the pivotal arm off of the said strip, a push button mounted on the steering wheel and connected to the said arm whereby the arm can be moved toward the strip, said arm being in the form of an arcuate shaped yoke, a contact roller mounted between the leg portions of the yoke, said button being provided with a shank disclosed between the leg portions of the yoke shaped arm, a means for pivotally connecting the said shank in this position to the yoke shaped arm, a laterally extending projection on said arm, and an upstanding inverted U-shaped member secured to said plate, said U-shaped member engaging said projection for re-setting said arm.

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**2,119,287**
**PNEUMATIC TIRE GAUGE**
**Robert James Pratt, Cochrane, Alberta, Canada**
**Application October 19, 1936, Serial No. 106,467**
**4 Claims. (Cl. 73—31)**



4. Vehicle wheel structure comprising an axle housing including a drum shield stationary with said axle housing, an axle spindle projecting from said axle housing, a wheel on said spindle including a pneumatic tire and a brake drum and

revoluble relative to said drum shield, a first guide fastened to said drum shield, a second guide fastened to said brake drum, said guides being annular and having channels facing each other, a first pneumatic tube confined by the channel of said first guide, a second pneumatic tube confined by the channel of said second guide, an individual pressure gauge to which said first pneumatic tube is connectible, said second tube being connected in communication with the pneumatic tire, annular slides confined in the channels of the respective guides and axially slidable relative to each other and to said guides and engaging the axially inward sides of the respective pneumatic tubes, the facing sides of said annular slides having mutually engaging rib means and recess means, said rib means comprising at least two concentric annuli projecting axially and said recess means comprising at least two annular grooves individually receiving said annuli, a lubricant sealing ring in each of said grooves and slidably engaging the corresponding annulus within its groove, and spring means in the groove behind the lubricant sealing ring and holding the same in sealing position.

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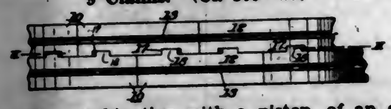
**2,119,288**
**APPARATUS FOR TESTING GAS**
**Gwynne Raymond, Oklahoma City, Okla., assignor to Black, Sivalls & Bryson, Inc., Oklahoma City, Okla., a corporation of Maine**
**Application June 8, 1936, Serial No. 84,130**
**7 Claims. (Cl. 73—51)**



1. In an apparatus of the character described, a gas sampler including an outer casing, a cartridge removably supported in the casing for confining a body of filtering material, means for passing gas through the filtering material, means connected with the casing for indicating temperature and pressure of the gas passed through the filtering material means associated with said sampler for maintaining a definite flow of gas through the filtering material, a back pressure chamber connected with the outlet side of the cartridge, means controlling flow of gas from the back pressure chamber, and means indicating temperature and pressure of the gas in said back pressure chamber.

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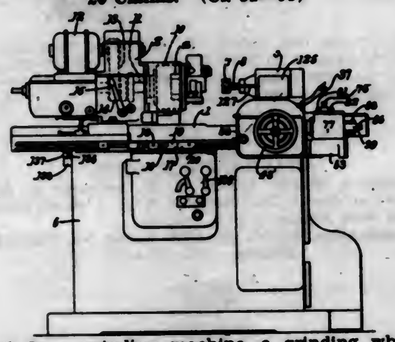
**2,119,289**
**PISTON RING CONSTRUCTION**
**Otto Reisinger, McCandless Township, Allegheny County, Pa.**
**Application June 19, 1935, Serial No. 27,389**
**9 Claims. (Cl. 309—29)**



1. The combination with a piston, of an expansible ring therefor mounted thereon including a plurality of segmental members, means for expanding the members, and means on each member coacting with complemental means on adjacent members for preventing a radial movement of said members in excess of a predetermined amount, said means including a tongue and groove connection having all of the grooves in lateral outer faces of the segments and extending inwardly from the outer surfaces of the lateral faces towards the center of the piston.

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**2,119,290**
**GRINDING MACHINE**
**Charles H. Richards, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts**
**Application December 21, 1936, Serial No. 116,850**
**20 Claims. (Cl. 51—95)**



1. In a grinding machine, a grinding wheel spindle having a grinding wheel thereon, a work-supporting means, means for procuring a cross-feed movement between the wheel and a work-piece in the work-supporting means, means for controlling the rate of crossfeed movement, and means responsive to movement of the wheel spindle relative to the supporting structure by reason of the spring set up in the wheel spindle by engagement between the wheel and work-piece in the work-supporting means for actuating said controlling means.

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**2,119,291**
**DEVICE FOR MOLDING COMPLEX LONG DRAW ARTICLES**
**Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio**
**Application November 5, 1934, Serial No. 751,523**
**8 Claims. (Cl. 18—19)**



1. In apparatus for molding complex articles in a long draw, a mold block, at least one plunger movable therein, said parts cooperating to provide spaces of unequal effective area for the long draw extrusion of plastic, means for inhibiting the flow of plastic along spaces of greater effective area, said means comprising low ridges on said plunger, said ridges being located on the bottom of said plunger.

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**2,119,292**
**ELECTRICAL RESISTANCE UNIT AND METHOD OF MANUFACTURE**
**Karl E. Rollefson, Evanston, Ill., assignor to The Muter Company, Chicago, Ill., a corporation of Illinois**
**Application March 30, 1936, Serial No. 71,772**
**12 Claims. (Cl. 201—67)**

3. A method of manufacturing electrical resistance units wound with wire of fine diameters

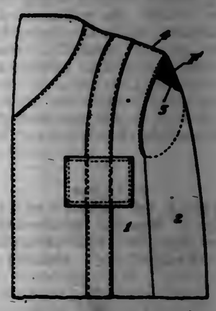


easily broken by ordinary handling, comprising the steps of cutting a core of substantially flat fibrous insulating material, applying to said core a bed of viscous insulating varnish of sufficient thickness to remove the strains from the wire winding, drying said varnish to remove the solvents therefrom until said varnish is soft and plastic to the touch, winding a wire coil on said varnish core while said varnish is plastic to permit the wire to sink sufficiently into said varnish, before the varnish setting has progressed too far, to remove the strains from said wire, said varnish acting as a bed for said wire.



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**2,119,293**
**CONSTRUCTION OF COAT SLEEVES WITH INSERTED EXTENSIBLE GUSSETS**
**George W. Sawyer, South Portland, Maine**
**Application May 6, 1936, Serial No. 78,111**
**2 Claims. (Cl. 2—125)**

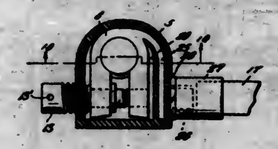


1. A coat of the character described comprising a body having an armhole, a sleeve of inextensible material secured in said armhole by a line of fastenings extending along the front edge of said armhole from its lowest point to a point forwardly of the top thereof, said sleeve being cut away to present an edge spaced from said armhole commencing at the upper end of said fastenings and extending rearwardly and downwardly to the other end of said fastenings, and an extensible gusset filling said cut-away portion of said sleeve, one edge and both ends of said gusset being secured to the edge of said cut-away portion, and the other edge of said gusset being secured to the edge of said armhole by a line of fastenings.

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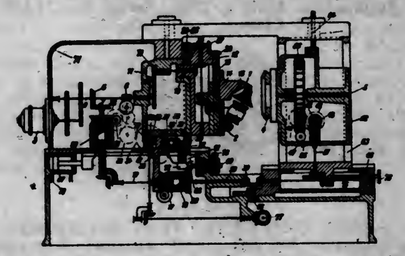
**2,119,294**
**BATTERY TERMINAL CLAMP**
**Joseph K. Schaefer, Hollywood, Calif.**
**Application September 14, 1936, Serial No. 100,715**
**2 Claims. (Cl. 173—259)**

1. In a battery terminal connection, a battery terminal clamp adapted to fit down on, and to securely embrace a battery terminal post, a cover of elastic, acid resisting material of hollow shell-like structure enveloping said clamp and having a bottom wall provided with an aperture through which the battery post extends into the cover to be engaged by said clamp, said clamp having an integral extension paralleling one side thereof confined within said cover, and said extension having a threaded pin projecting laterally outwardly through an opening in the cover, and a conductor having a member on one end thereof threadedly engaged with said pin to provide a quick detachable connection between the clamp and said conductor; and said cover having an internal wall terminating short of one end of the cover and accommodated between said clamp extension and an adjacent side of said clamp.



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**2,119,295**
**MACHINE FOR GENERATING GEARS**
**Heinrich Schicht, Huckeswagen, Germany, assignor to firm: W. Ferd. Klingelnberg Söhne, Remscheid-Berghausen, Germany**
**Application July 18, 1936, Serial No. 91,416**
**In Germany February 16, 1934**
**9 Claims. (Cl. 90—4)**



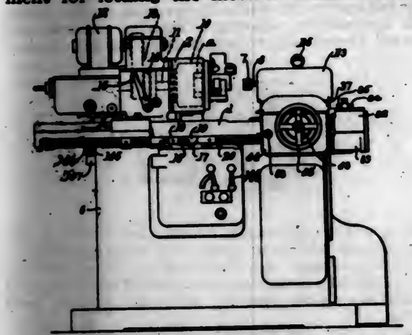
3. A milling machine comprising a frame; an adjustable work support on said frame; means for rotating said support about the axis of the work gear; a face plate rotatable about the axis of the imaginary face gear meshing with the gear being cut; a rotatable tool support on said face plate, said support having a tool thereon; means for causing reciprocatory movement of said tool support in a direction parallel to the cutting plane of the tool and in a direction substantially parallel to the axis of the tool; means for rotating the face plate and the tool thereon; and means for causing the reciprocatory movement of the tool support to take place in timed relation to the movement of the tool and work supports.

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**2,119,296**
**GRINDING MACHINE**
**William D. Schmidt, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts**
**Application January 13, 1937, Serial No. 120,414**
**10 Claims. (Cl. 51—95)**

1. In a grinding machine, a wheel supporting member having a wheel thereon, a work-supporting member having a workpiece mounted therein, means for procuring a relative movement between said members, means responsive to engagement between the wheel and the workpiece for procuring a movement of one of said members relative to the supporting structure there-

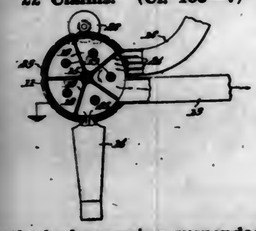
for, and means responsive to said last movement for locking the movable member against



further movement relative to the supporting structure, said last means including a cam.

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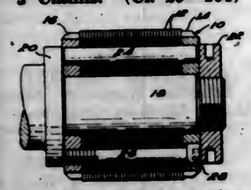
2,119,297
**ELECTRICAL PRECIPITATION**
Lloyd N. Scott, New York, N. Y., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application April 4, 1936, Serial No. 72,829
22 Claims. (Cl. 183—7)



1. A method of removing suspended materials from gases which comprises subjecting the gases to the action of a rotating electric field maintained between an attenuated electrode and an electrode of extended surface and causing the gas to move in substantial conformity with the motion of said electric field.

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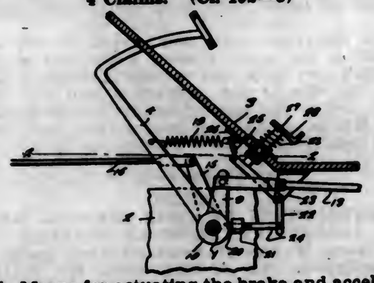
2,119,298
**GEAR FINISHING TOOL**
Alex W. Simowski, Detroit, Mich., assignor to Michigan Tool Company, a corporation of Delaware
Application November 18, 1935, Serial No. 50,381
3 Claims. (Cl. 29—104)



1. A gear finishing tool comprising a plurality of similarly formed toothed discs secured together and lying in planes parallel to the path of movement of the surface of the tool relative to a gear rolling therewith, one face of a tooth of each disc having a portion cut away at each side of said disc to define a land in said face, both lateral edges of which are spaced inwardly from the side of said disc, and both of said lateral edges being formed as cutting edges.

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2,119,299
**COMBINED ACCELERATION AND BRAKE CONTROL MEANS**
William J. Smith, Delaware City, Del.
Application August 14, 1937, Serial No. 159,172
4 Claims. (Cl. 192—3)



1. Means for actuating the brake and accelerator rods of a motor vehicle comprising a pedal, a member on which the pedal is supported for rocking movement, an arm supported for rocking movement on said member, means for connecting one rod to said arm and means for moving the arm when the pedal is moved in one direction, the arm remaining stationary when the pedal is moved in an opposite direction and means for actuating the other rod by the pedal.

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2,119,300
**ARTICLE OF MANUFACTURE**
Abraham N. Spanel, Rochester, N. Y.
Application June 25, 1934, Serial No. 732,297
2 Claims. (Cl. 206—46)



1. As an article of manufacture, a bathing cap package embodying, in combination, a cap made of waterproof material folded laterally in multiple into a narrow strip and rolled longitudinally from the crown portion toward the head opening into the approximation of a ball, a flexible case enclosing the latter and formed of a sheet having its free edges puckered, and a constricting element encircling the puckered portion.

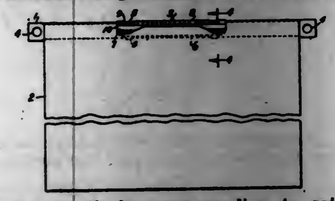
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2,119,301
**CARBON HOLDER**
Milton C. Stern, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application January 7, 1936, Serial No. 57,957
4 Claims. (Cl. 282—29)

1. In a carbon sheet holder, a support for a perforated and folded carbon sheet, said support engaging the carbon sheet within the fold, a plurality of spaced projections on the support to engage perforations in the carbon sheet, and a spring clamp having opposing sides adapted to urge said carbon sheet into engagement with said support and to hold said projections in said



perforations to secure the carbon sheet to the support, one side of said clamp being cut away intermediate said projections to provide a pair of



fingers respectively corresponding to said projections and adjacent thereto whereby to concentrate the spring of said clamp adjacent said projections.

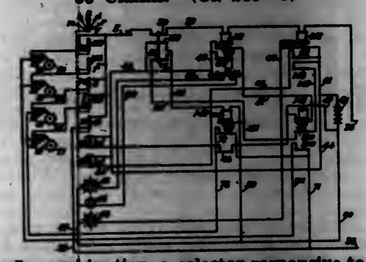
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2,119,302
**METHOD OF MANUFACTURING A NOURISHMENT CONSISTING MAINLY OF GLYCOPROTEIN**
Shinjiro Tanaka, Hongo-ku, Tokyo, Japan, assignor of one-half to Jirokichi Suzuki, Tokyo, Japan
No Drawing. Application March 30, 1937, Serial No. 133,995
2 Claims. (Cl. 99—17)

1. The process of manufacturing a food which comprises crushing the root of *Dioscorea japonica*, mixing the resulting product with an aqueous solution containing calcium chloride, magnesium chloride, and calcium hydroxide, filtering the solution, adding sodium glycero-phosphate to the filtrate, concentrating this product and neutralizing it with tartaric acid.

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2,119,303
**REMOTE CONTROL APPARATUS**
Harry C. Vantassel, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 31, 1929, Serial No. 336,440
Renewed August 14, 1931
36 Claims. (Cl. 246—3)



1. In combination, a selector responsive to current of a given code, means for supplying said coded current to said selector, a pair of conductors, a circuit including said conductors for controlling said means, a device controlled by said selector, an auxiliary control means having a first and a second position for controlling said device, a relay, a second relay responsive only to current of greater magnitude than is required for the operation of said first relay, means including said conductors and controlled by said device for supplying said first and second relays with current of sufficient magnitude to operate said first relay but not said second relay when said auxiliary control means is in its first position, and means including said conductors and controlled by said device for supplying said first and second relays with current of sufficient magnitude to operate said second relay as well as said first relay when said auxiliary control means is in its second position.

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2,119,304
**ELECTROPLATING**
Eugene D. Viers and Bernard C. Case, Cleveland, Ohio, assignors to Eaton Detroit Metal Company, Cleveland, Ohio, a corporation of Ohio
Application August 1, 1935, Serial No. 34,209
18 Claims. (Cl. 204—14)

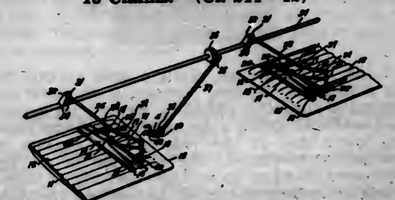


2. A continuous homogeneous ductile electrolytic deposit of gray nickel directly on steel wherein the deposit has a grain size between one-thousandth and five-thousandths of a millimeter and wherein the grains have a substantially columnar structure and wherein the deposit exceeds six ten-thousandths of an inch in thickness and is free of pitting.

5. A method of avoiding the occurrence of pitting in the electro-deposition of metals of the group consisting of nickel, zinc, cadmium, cobalt and tin, under conditions which otherwise would normally produce a grain size growth at which pitting would occur, comprising maintaining in the bath an addition agent, having the property of reducing the grain size, of the deposit, in a quantity sufficient only to produce a deposit, the grain size of which is below, but substantially of the order of that at which pitting, due to grain size, occurs.

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2,119,305
**SIMPLIFIED FLAP OPERATING MEANS**
Edward F. Zaparka, Baltimore, Md., assignor to Zap Development Corporation, Baltimore, Md., a corporation of Delaware
Application June 12, 1933, Serial No. 675,486
Renewed December 19, 1936
18 Claims. (Cl. 244—42)



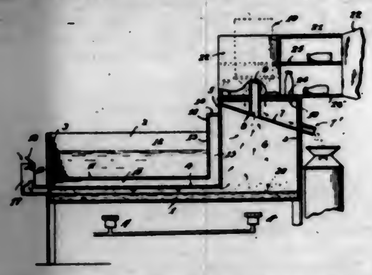
2. An airplane construction comprising wings having downflow thereover, ailerons operating at least partially in the downflow, mounting means above the wings having recesses therein for mounting the ailerons, flaps, and means for operating the flaps located at least partially within the mounting means for the ailerons.

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2,119,306
**CAN WASHER**
Paul R. Armstrong, Quincy, Ill.
Application February 10, 1937, Serial No. 124,999
3 Claims. (Cl. 141—7)

1. A can washer including in its construction a body adapted for holding water, means for maintaining the water at a constant level in said

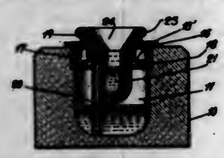
body, a heater for said water to produce steam, a nozzle extending from the body above the water level for leading said steam from a cavity of said body into a can to be washed, a wall spaced above and substantially paralleling the bottom wall of the body and spaced above the maintained level of the water, one extremity of said wall terminating at an outer wall of the body, said wall extending to said steam cavity, a free passage being created above the said level of the water



and beneath the thus spaced wall extending from said outer wall to said cavity and in communication therewith, there being an opening in said outer side wall below said spaced wall and nozzle and above said level of the water to communicate with said passage and through which air is inducted into said passage, and a valve for controlling the velocity of air travel through said opening and passage into the steam cavity of said body.

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**2,119,307**
**INKSTAND**
**Frank M. Ashley, Great Kills, N. Y., assignor to Lewis Gompers, trustee, New York, N. Y.**
**Application September 16, 1936, Serial No. 100,965**
**5 Claims. (Cl. 120—63)**



1. An inkstand comprising a body portion having a reservoir formed therein, a dip-tube comprising a trapping chamber located adjacent to its lower end and a tube extending therefrom to the lower side of the reservoir, a flexible diaphragm connected to the dip-tube in air tight relation and held above the reservoir to form a closed chamber, means for preventing the downward movement of the dip-tube and diaphragm below its normal position of rest; the construction being such that air may be drawn into the reservoir by raising the diaphragm from its normal position of rest and ink forced thereby into said trapping chamber during its downward movement.

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**2,119,308**
**INKSTAND**
**Frank M. Ashley, Great Kills, N. Y., assignor to Lewis Gompers, Trustee, New York, N. Y.**
**Application September 16, 1936, Serial No. 100,966**
**8 Claims. (Cl. 120—61)**

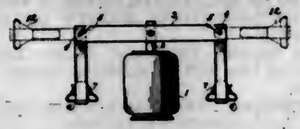
1. An inkstand comprising a reservoir for ink, a cup portion the lower end of which is permanently closed, and means for reducing the atmos-



pheric pressure in the cup portion to cause ink to flow from the reservoir into said cup portion.

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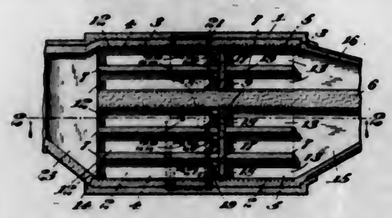
**2,119,309**
**METHOD OF FORMING A FLUORESCENT SCREEN**
**John C. Batcheler, New York, N. Y.**
**Application December 21, 1934, Serial No. 758,586**
**3 Claims. (Cl. 91—68)**



1. In the art of making a fluorescent screen, the method which comprises applying to a supporting surface a fluorescent material in the form of relatively small particles suspended in a liquid, applying centrifugal force to said particles to cause said particles to adhere to said surface in a firmly compacted film, and subsequently removing the liquid.

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**2,119,310**
**CLEANING DEVICE FOR REGENERATORS**
**Harry C. Baughman, Sparrows Point, Md., assignor to Bethlehem Steel Company, a corporation of Pennsylvania**
**Application April 15, 1937, Serial No. 137,034**
**17 Claims. (Cl. 263—19)**



1. In a device for discharging flue dust or like material from a chamber comprising a pipe having an open end extending into the chamber for discharging the flue dust or like material from the chamber, and a jet for advancing the material to be discharged to the open end of the pipe in the chamber.

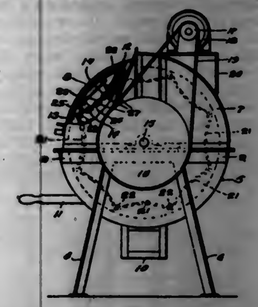
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**2,119,311**
**TRIPE WASHER**
**Oscar Biedermann, Chicago, Ill., assignor to The Globe Company, Chicago, Ill., a corporation of Illinois**
**Application June 22, 1937, Serial No. 149,711**
**8 Claims. (Cl. 17—43)**

1. In a washer of the class described, the combination of a container having a scrubbing wall



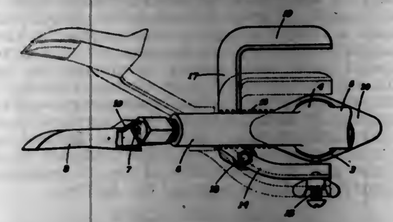
formed with a multiplicity of holes therein, and removable and replaceable burrs secured to said



wall around said holes, said burrs having roughened scrubbing edges.

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**2,119,312**
**VARIABLE SPEED ROTARY SPRINKLER**
**William A. Buckner, Fresno, Calif.**
**Application July 24, 1937, Serial No. 155,461**
**8 Claims. (Cl. 299—69)**

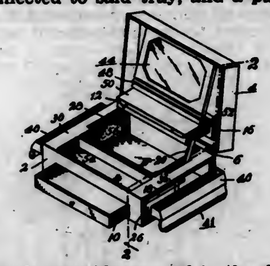


1. A rotary sprinkler comprising a sprinkler head mounted for rotation and having a nozzle member projecting therefrom and provided with a jet opening, a water deflecting vane normally projecting into the path of water issuing from the jet opening, the vane being disposed relative to the flow of water so as to be swung in one direction when the vane is struck by the water and with an impetus depending on the extent of normal projection of the vane into the path of the water, means mounting the vane on the member for oscillation and so that with recurring movements of the vane in said direction step-by-step rotation will be imparted to the sprinkler head, the number of impulses in a given period determining the arcuate extent of rotation of the head in such period, means to return the vane to its normal position after each such movement thereof, and means controlled by the rotation of the head to alter the number of impulsive movements of the vane at predetermined recurring points in each complete revolution of the head.

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**2,119,313**
**COSMETIC CASE**
**Robert H. Burdge, Kansas City, Mo.**
**Application March 29, 1937, Serial No. 133,694**
**10 Claims. (Cl. 132—79)**

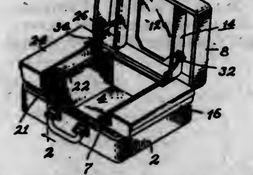
1. A case comprising a body, a lid hinged to said body, a drawer slidably mounted in the front part of the body, and means adapted to open and close said drawer simultaneously with the lid comprising a tray hinged to the inside of the lid, a pair of levers fulcrumed in the body and operably connected to said tray, and a pair of con-



necting-rods operably secured to the drawer and the respective levers.

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**2,119,314**
**CARRYING CASE**
**Robert H. Burdge and Stanley M. Speas, Kansas City, Mo.**
**Application April 3, 1937, Serial No. 134,887**
**3 Claims. (Cl. 190—17)**



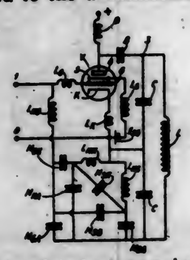
1. A case comprising a body, a lid hinged to said body, a tray arranged in one end of the body and adapted to swing transversely to the movement of the lid when the same is opened or closed, means operably connecting the tray to said body to permit the tray to swing downward when the lid is closed or upward when the lid is opened, a pair of two-leaf hinges, one having a leaf secured to the body and the other a leaf sectured to the lid, and a link operably connected to free leaves of the hinges and adapted to cooperate therewith in swinging the tray when the lid is opened or closed.

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**2,119,315**
**NEUTRALIZING CIRCUIT FOR SCREEN-GRID TUBES**
**Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany**
**Application April 3, 1935, Serial No. 14,494**
**In Germany April 3, 1934**
**4 Claims. (Cl. 179—171)**

1. A circuit arrangement comprising a tube having a cathode, a control grid, a screen grid electrode within said tube intended to operate at unvarying potential but actually fluctuating in potential when operated at very high frequencies due to unavoidable or slight impedances to high frequencies in the circuit between said screen grid electrode and cathode, input and output circuits associated with said tube, and means for counteracting energy transfer from output to input circuits resulting from said fluctuating potential, said means comprising a pair of series-connected inductances having their

common terminals connected to the tube cathode, an inductance connected to the control grid, the opposite end of said last mentioned inductance being connected to the unconnected terminal of



one of the pair of inductances by means of a condenser, said opposite end of said inductance being also connected to the unconnected terminal of the other inductance of the pair by means of a pair of series-connected condensers.

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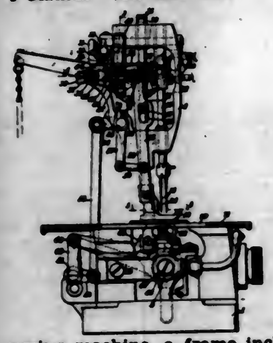
2,119,316

**FEEDING MECHANISM FOR SEWING MACHINES**

Andrew B. Clayton, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application November 19, 1936, Serial No. 111,611

6 Claims. (Cl. 112—212)



1. In a sewing machine, a frame including a work-support and an overhanging bracket-arm, a reciprocatory needle-bar journaled in said bracket-arm, a needle-bar-actuating shaft journaled in said bracket-arm, a needle-bar-actuating crank and counter-balancing head on said shaft, a link connection between said crank and needle-bar, an adjustable crank mounted on said counter-balancing head, a top feed-bar, feed-bar lifting means connected to said adjustable crank, and adjustable means to impart feed-and-return movements to said feed-bar.

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2,119,317

**REFRIGERATING APPARATUS**

Don E. Dasher, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application March 20, 1936, Serial No. 69,899

4 Claims. (Cl. 137—156.5)

1. A motor unit for actuating a switch or the like device comprising in combination, an expansible and contractable bellows, said bellows having a main corrugated body portion and a normally open end extending from the body portion thereof, means for closing the normally open end of said bellows, said means including a collar like member and a plug element, the wall of said bellows at the open end thereof fitting over and being formed into engagement with the inner wall surface of said collar member, said plug element having a surface registering with the wall of said bellows formed over and into engagement with the inner wall surface of said collar member, said plug element also being provided with a surface adjacent the first named surface thereon and adapted to be sealed to the wall of the



bellows formed over said collar member by a thermoplastic material, said sealing surface on said plug element being located remote from the main body portion of the bellows to permit application of heat to said sealing surface without materially affecting the temperature of the corrugated main body portion of the bellows, and said surface on said plug element registering with the wall of said bellows formed over and into engagement with the inner wall surface of said collar member being tightly fitted against said wall to rigidly clamp the collar member to the bellows and to prevent flow of the thermoplastic material into the interior of the bellows.

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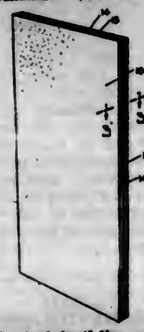
2,119,318

**REINFORCED, FRANGIBLE MATERIAL BUILDING UNIT**

Robert L. Davison, New York, N. Y., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application May 7, 1935, Serial No. 20,129

3 Claims. (Cl. 72—68)



1. A prefabricated building unit comprising a slab of frangible material formed from ingredients including water and giving rise to a molded product, and a rigid framework embedded in the edge faces of the slab and extending peripherally around the slab, said framework comprising continuously grooved strip members having groove-defining extensions thereof embedded in the material of the slab, the strip proper being wholly flush with the respective edge faces of the slab and having its longitudinal edges spaced inwardly from the major faces of the slab to provide structural reinforcement for the said frangible slab without pocketing masses of the said material between elements of the said reinforcement, thus permitting free access of the water, of the said material to the major surfaces of the slab.



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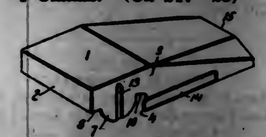
2,119,319

**ADJUSTABLE TAKE-OFF FITTING**

Francis P. D'Esopo, Hartford, Conn., assignor to The Wiremold Company, Hartford, Conn., a corporation of Connecticut

Application July 17, 1937, Serial No. 154,293

4 Claims. (Cl. 247—28)



1. In a take-off fitting for electric conduit systems, the improvement which comprises a cover member of generally channel-shaped cross section partially closed by an end wall at one end and having the side walls of the cover member adjacent the closed end adapted to engage the sides of and to extend over the top of a main conduit with the major axis of the cover member substantially perpendicular to the major axis of the main conduit, and an adjustment element in slidable engagement with the closed end and side walls of the cover member, said adjustment element being adapted to engage the top of the sides of the main conduit.

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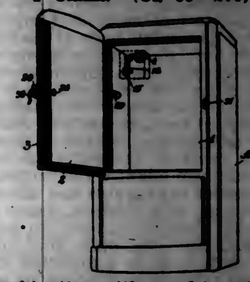
2,119,320

**REFRIGERATOR**

Emmanuel Debrowsky, New York, N. Y.

Application June 22, 1936, Serial No. 86,735

1 Claim. (Cl. 90—270)



The combination with a refrigerator having a food compartment and a door thereto, a pump operatively connected to the compartment and adapted to maintain a partial vacuum therein, said door having an air inlet opening, a valve normally closing said opening, a latch on the door operatively connected to the valve and adapted to open the valve when the latch is moved to open position, said valve having a flexible edge portion, said door having an air entrance duct communicating with the air inlet opening in the door normally closed by the edge portion of the valve, and a flexible device connecting the latch with the edge portion of the valve whereby the edge portion of the valve will be first lifted to open the duct when the latch mechanism is operated.

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2,119,321

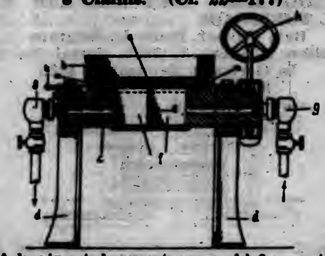
**APPARATUS FOR CASTING METAL INGOTS**

Abraham Martinius Erichsen, Teltow, near Berlin, Germany

Application January 27, 1937, Serial No. 122,531

In Germany February 23, 1934

8 Claims. (Cl. 22—177)



1. A horizontal open top mould for casting flat ingots, composed of a bottom, side walls of low heat conductivity, cooling means placed at the middle of the otherwise open top of the mould in position to make contact with the top surface of the cast mass to cool the same at the middle, and means forming a cavity to hold a cooling medium in contact with said bottom.

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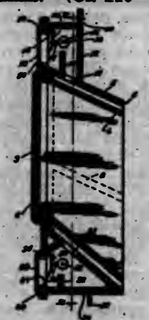
2,119,322

**AIR INLET MEANS FOR INCINERATORS AND FURNACES**

Hugh W. Ewing, Chicago, Ill.

Application September 29, 1933, Serial No. 691,421

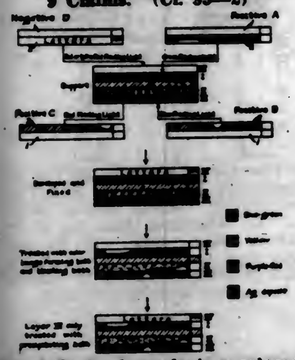
8 Claims. (Cl. 110—182)



1. A door structure for incinerators and the like, comprising a unit consisting of a door frame having a door opening therein, a door for said opening hinged to said frame, a throat extending inwardly from said frame about said opening, said throat having the top and bottom thereof inclined downwardly, said throat consisting of an outer part and an inner part, said parts being spaced one from the other to provide air passageway through said throat from front to back, downwardly inclined partitions between said parts at the sides of said throat to form upper and lower passageways, the top of the outer part having an air duct opening through it for air supply to the upper passageway, the bottom of said outer part having an air duct opening through it for air supply to the lower passageway, flap valves in said ducts, and counterweights on said flap valves to maintain the same normally open, said counterweights being adjustable to vary the responsiveness of said flap valves to draft conditions, said flap valves adapted to close by action of stack draft through the

incinerator, the adjustment of said counterweights controlling the closing of said flap valves by the stack draft.

2,119,323
**METHOD OF PRODUCING MULTICOLOR PHOTOGRAPHIC PICTURES AND MATERIAL THEREFOR**
Bela Gaspar, Brussels, Belgium
Application January 7, 1936, Serial No. 57,905
In Germany January 5, 1935
9 Claims. (Cl. 95—2)



1. The method of producing colored photographic and kinematographic pictures having a colored image combined with a dark silver image in a light sensitive silver halide material containing a coloring substance in the inner strata thereof which comprises, printing into the inner strata of said material an image corresponding to the image to be colored, printing into the outer strata of said material an image corresponding to the image to be dark, developing the latent silver images to form silver images, producing a colored image from said coloring substance, in the inner strata corresponding to the silver image therein without entirely destroying the silver in said inner strata, treating said material with a bleaching agent to convert said silver images into insoluble silver salts capable of being removed by a fixing agent, treating the outer strata only of said material with a reagent which converts said insoluble silver salts into an insoluble precipitate which absorbs sufficient light rays throughout the visible spectrum to give a substantially grey to black appearance and fixing out the remaining silver salts from said inner strata.

9. A photographic material comprising a support, three differently sensitized light sensitive silver halide strata for registering all of the different part images of a multicolored image, each of said strata being colored with a different dyestuff adapted to be destroyed locally under the influence of a silver image to form a corresponding color image and a supplementary uncolored silver halide strata sensitized panchromatically so as to include a spectral range for which the immediately juxtaposed layer is insensitive.

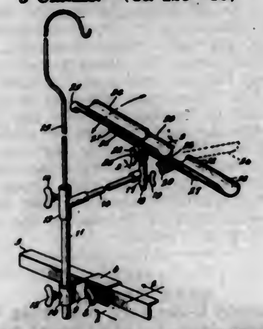
2,119,324
**CHILD'S SLIPPER SHOE AND METHOD FOR MAKING SAME**
Louis J. Golden, Highland Park, Ill., assignor to B and B Shoe Company, Chicago, Ill., a corporation of Illinois
Application May 11, 1936, Serial No. 79,682
9 Claims. (Cl. 12—146)

3. A shoe having a heel-covering portion and a one-piece front member formed of a sheet of normally substantially flat material, said front member being notched from the forward edge thereof a predetermined distance, and an insert



sewn into the notch to provide a unit of rounded shape suitable to fit the contour of the forward part of the foot.

2,119,325
**SURGICAL SPLINT**
Jacob A. Goodhart, Chicago, Ill.
Application December 31, 1936, Serial No. 118,552
3 Claims. (Cl. 128—88)



1. An adjustable rest for immobilizing a limb during administration of venoclysis, said rest embodying end-to-end bars; a clamp structure connecting the proximate ends of said bars and adapting said bars for hinging movement with respect to each other; semi-cylindrical sleeves extending flat along the respective bars and secured thereto; a main support mounted on a rigid base and adapted for both vertical and rotative adjustment; an arm disposed lateral to said main support and movable therewith; an auxiliary support on said arm adapted for vertical adjustment with respect to said arm and also rotatable upon its own axis; and a second clamp structure connecting said auxiliary support to one of said bars and adapting said bars and the sleeves thereon for movement in a direction transverse to the hinging movement provided by said first-named clamp structure.

2,119,326
**DETECTION OF SUSPENDED MATTER IN FLUIDS**
Harry Campbell Grant, Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York
Application September 6, 1933, Serial No. 688,324
8 Claims. (Cl. 177—311)

1. An installation for detecting the presence of suspended matter in fluids comprising a plurality of fluid stream conductors, means for maintaining a fluid flow through said conductors, means for permitting visual inspection of the fluid

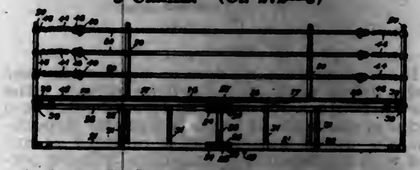


stream of each conductor, means responsive to the presence of opaque suspended matter in fluids for signalling the presence of suspended matter in the respective fluid streams, said responsive means including a source of light, means to divert the fluid streams successively from said fluid stream conductors to the responsive means before they become subjected to visual inspection, said last named means comprising a valve in each fluid stream conductor normally open with respect to the visual inspection means and closed with respect to the responsive means, a normally de-energized electro-magnet associated with each said valve, and means to energize said electromagnets in succession to open each valve in succession with respect to the responsive means and to close it with respect to the visual inspection



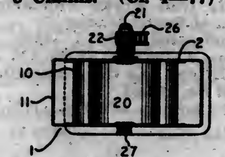
means, an audible trouble alarm, a visible trouble alarm, means to operate both trouble alarms upon failure of the source of light, and manually operable means to disconnect all of the fluid stream conductors from the responsive means more particularly following failure of the source of light and to return them to visual inspection while at the same time rendering the audible trouble alarm ineffective but indicating the inoperativeness of the responsive means by said visible trouble alarm, said last named means serving to render ineffective the means to energize the electro-magnets in succession, to break the normal circuits of the audible and visible trouble alarms, and to establish a new circuit for the visible trouble alarm for indicating the inoperativeness of the responsive means.

2,119,327
**DEMOUNTABLE RING**
Enoch Conrad Gunnarsen, Brooklyn, N. Y.
Application July 27, 1936, Serial No. 92,524
5 Claims. (Cl. 272—3)



1. A ring including an understructure supporting a platform, said understructure including a central spindle, a grooved disc at either end of said spindle, radially extending supporting members detachably fastened to said discs and having upwardly extending posts at their outer ends, rigid members extending between said posts, and means for dismantling said understructure and for disconnecting said radial members from said discs and from said rigid members.

2,119,328
**TOILET FOR VEHICLES**
John F. Haberlin, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application May 5, 1937, Serial No. 140,855
8 Claims. (Cl. 4—77)

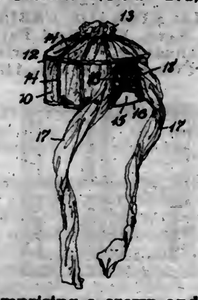



1. A toilet for vehicles comprising a bowl having an opening in its bottom, a closure sealing said opening at all times, and having a pocket, the closure being movable to dispose the pocket for the reception of waste, or to dump the contents, a flushing system including a reservoir, a means to discharge water within the bowl, and a reciprocating pump operable in one direction to discharge water through such means, and in the other direction for recharging, a cover for the bowl movable to and from closed position, and operative connections including lost motion mechanism, between the cover, the closure, and the pump such that, upon movement of the cover towards closed position the pump will first discharge water into the pocket, as the latter stands in receiving position, and thereafter the closure will move to dump the pocket.

2,119,329
**PROCESS OF TREATING COFFEE**
Herman Heuser, Evanston, Ill.
No Drawing. Application March 20, 1935, Serial No. 11,953
5 Claims. (Cl. 99—68)

1. The process of making roasted coffee, which comprises incorporating an oxidizing agent into the green coffee by spraying the coffee with an absorbable quantity of water containing a small proportion of a suitable oxidizing agent, introducing the coffee into a roasting apparatus and roasting the coffee.

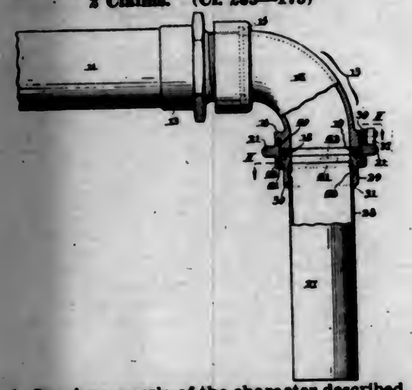
2,119,330
**CAP**
Martha H. Hirsh, South Orange, N. J.
Application March 16, 1937, Serial No. 131,127
2 Claims. (Cl. 2—174)




1. A cap comprising a crown and a top of net fabric the crown having the rear provided with

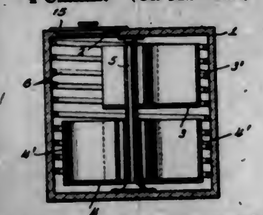
an opening extending to the bottom edge, an elastic band connecting the side edges of the opening at the bottom, and streamers secured to the back of the crown and of a length sufficient for winding loosely around said crown to provide a turban effect.

2,119,231
PIPE COUPLING
James A. Jensen, Philadelphia, Pa., assignor to Quaker City Iron Works, Philadelphia, Pa., a corporation of Pennsylvania
Original application July 1, 1933, Serial No. 678,619, now Patent No. 2,066,833, dated July 2, 1935. Divided and this application June 29, 1935, Serial No. 28,965
2 Claims. (Cl. 285—175)



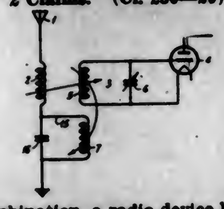
1. In a hose nozzle of the character described, a hollow body member having one end adapted for application to the hose, with an annular gasket of resilient material lodged internally of the other or mouth end; a tip with a headed prolongation for insertion in the body member mouth end to abut the gasket therein, said tip having circumferentially-directed outwardly-projecting wedge-section lugs; a coupler ring embracing the mouth end of the body member having a corresponding number of similarly located inwardly-projecting wedge-section lugs adapted, upon a partial rotation of said coupler ring, to coact with the first mentioned lugs and effect axial movement inwardly of the tip only into interlocking connection with the body member and fluid-tight engagement with the gasket aforesaid.

2,119,232
COLD STORAGE CABINET
William Kern, Ridgefield Park, N. J.
Application January 27, 1937, Serial No. 122,548
4 Claims. (Cl. 312—148)



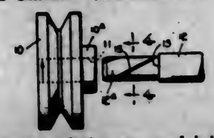
1. A cabinet comprising an upright chamber having a stationary access opening in the top thereof, a movable closure for said opening, an upright shaft in said chamber, an upper rack rotatably mounted on said shaft and provided with a plurality of compartments and a constant free space vertically open and located between two adjacent compartments, said free space and said compartments being movable in a given direction with said upper rack into selective individual registry with said access opening, and a lower rack provided with a plurality of compartments movable therewith in a given direction into selective individual registry with said access opening and the aligning free space of said upper rack.

2,119,233
VARIABLE COUPLING DEVICE
Friedrich Kreisfeld, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 22, 1936, Serial No. 81,146
In Germany July 19, 1935
2 Claims. (Cl. 250—20)



1. In combination, a radio device having a resonant input circuit comprising a transformer secondary winding having a plurality of turns, a single turn primary winding fixed with reference to said secondary winding, a second primary winding connected in series with said single turn winding and having its turns wound in the opposite direction to said single turn, means for varying the coupling between said second primary winding and said secondary winding, and a source of radio frequency signal currents coupled to said primary windings.

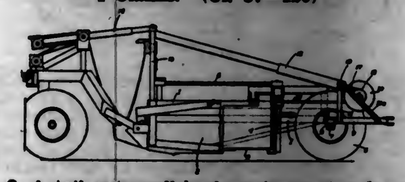
2,119,234
SELF-AFFIXING AND SELF-TIGHTENING CONNECTION FOR ROTATING AND ROTATED MEMBERS
William S. Leffler, New York, N. Y.
Application August 16, 1934, Serial No. 740,143
1 Claim. (Cl. 287—53)



In a connection between a driving member and a driven member, the driving member being provided with a substantially cylindrically faced recess of substantially uniform diameter throughout, the driven member being provided at one end with a substantially cylindrically faced portion of substantially uniform diameter throughout adapted to be normally received within said cylindrically faced recess, said connection having means for relatively stationarily inter-connecting the driving member with respect to the driven member comprising sets of parallel helically arranged ridges on one of the cylindrical faces of the stated recess and the stated therein received portion, the driven member being provided with means for limiting the movement of the driving member axially relative thereto when forced thereon, the said ridges being adapted to form grooves in the other smooth cylindrical face when the members are forced together, the angular direction of extension of said helical ridges being in the direction of rotation of the driving member whereby force applied to the driving member tends to tighten its connection with said driven member.

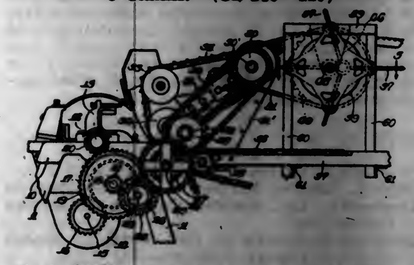


2,119,235
PULL-BACK SPRING FOR SCRAPER TAIL GATES
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation of California
Application January 16, 1937, Serial No. 120,951
4 Claims. (Cl. 37—126)



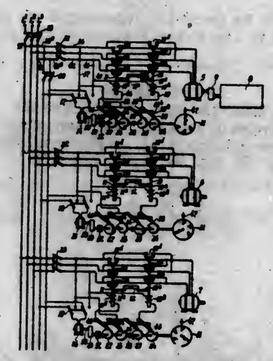
2. A tail gate pull-back spring motor for an earth working scraper having a bowl, a tail gate movable lengthwise of the bowl and means to pull the tail gate forwardly; said spring motor comprising a drum unit mounted on the scraper, said unit having one drum of constant diameter and another drum having a spiral cable receiving groove, said drums being secured against relative rotation, cables secured at one end to the drums for winding thereabout in opposed directions, the cable for said other drum being secured thereto at the large end of the spiral groove, a normally expanded helical compression spring mounted on the scraper with one end fixed against movement, the cable from said one drum normally being unwound and passing through the spring from the fixed end and secured to the other end thereof, and the cable from said other drum being operatively connected to the tail gate and arranged to be wound onto the spiral groove when the tail gate is in its normal and retracted position.

2,119,236
ROUGHAGE MILL
John Holland-Letz, Crown Point, Ind., assignor to The Letz Manufacturing Company, a corporation of Indiana
Application May 20, 1936, Serial No. 80,731
6 Claims. (Cl. 146—119)



1. A feeding mechanism for roughage mills and the like comprising a revolving drum in the form of outwardly converging surfaces, stub shafts for supporting said drum, a second shaft mounted within and located eccentrically with respect to said first named shafts, a plurality of spaced apart shafts journaled in said drum, at the point of convergence of said surfaces spaced apart fingers having their inner ends journaled on said eccentrically located shaft and their outer ends reciprocally mounted in said peripheral shafts.

2,119,237
REVERSING CONTROL APPARATUS FOR A PLURALITY OF ELECTRIC MOTORS
Ralph G. Lockett, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 24, 1936, Serial No. 92,280
18 Claims. (Cl. 172—240)

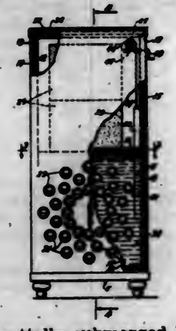


4. In a control system for timing reversals of a plurality of electric motors to be supplied with energy from a common source, in combination, a pair of electromagnetically operable reversing switches for each of said motors, a pair of switches each individual to one of said reversing switches to control energization and de-energization of the latter, a pair of cams individual to each of the switches last mentioned for controlling opening and closing of the latter, a rotatable shaft common to said cams and to which the same are rigidly secured in a predetermined rotary relationship to each other, a plurality of power-operated driving means having like speeds, each driving means being individual to one of said shafts, and each of said shafts having means individual thereto to provide for initial rotary adjustment of the same relatively to each other to insure against simultaneous reversal of two or more of said motors at any one time.

2,119,238
APPARATUS FOR CONDITIONING AIR
Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application September 24, 1934, Serial No. 745,175
8 Claims. (Cl. 62—91.5)

8. Air conditioning apparatus comprising, in combination, a cabinet, a plurality of air flow tubes extending transversely through said cabinet near the bottom thereof, the lower portion of the cabinet enclosing said tubes being adapted to hold a body of liquid extending to a level above the uppermost of the tubes, and means for sup-

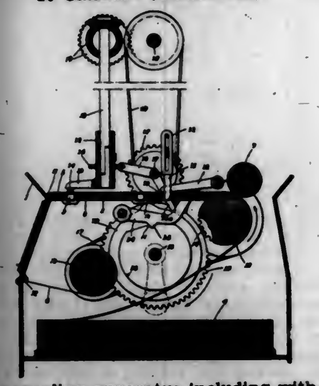
porting a mass of solid carbon dioxide in the cabinet spaced out of contact with said tubes and in



position to be partially submerged by the liquid contained in the lower portion of the cabinet.

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2,119,339
**RECORDING MECHANISM**
Frank V. Mayo, Stockton, Calif.
Application February 14, 1934, Serial No. 711,235
10 Claims. (Cl. 234—63)

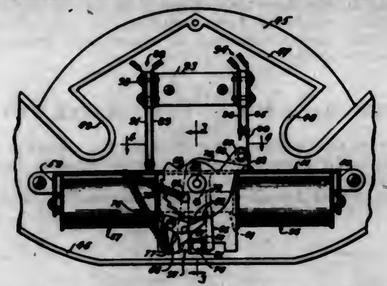


2. A recording apparatus including with a rotatable manually controlled shaft, a recording-strip supporting member, an impressing device movable over the member from a predetermined starting position, and mechanisms controlled by a continuous rotation of said shaft from a predetermined starting position, to first cause the device, after movement thereof from said starting position, to impress the strip, then return the device to said starting position, and then advance the strip.

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2,119,340
**AMUSEMENT APPARATUS**
Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application April 1, 1935, Serial No. 14,100
17 Claims. (Cl. 273—121)

17. In a check-controlled game having a member adapted to be set in motion and to come to rest at one of a number of possible positions, some of which are scoring positions and at least one of which is a non-scoring position, a ratchet, an advancing pawl and a holding pawl for said ratchet, electromagnetic means, controlled by said member when in a scoring position, for driving said advancing pawl so as to advance said ratchet one step, means resiliently urging said ratchet toward its initial position, electromagnetic means, controlled by said member when in a non-scoring position, for releasing both of said pawls from engagement with the ratchet and allowing the



latter to return to its initial position, a check dispenser, electromagnetic means for actuating said dispenser, means controlled by said member when in a scoring position, for energizing said dispenser-actuating means, and means including a switch adapted to be engaged by said ratchet when the latter has moved a predetermined number of steps and thereby closed so as to independently energize said dispenser-actuating means.

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2,119,341
**QUILTING APPARATUS**
Cobb Milner, Syracuse, N. Y., assignor to Cotswold Comfortable Company, Syracuse, N. Y., a corporation of New York
Application July 13, 1936, Serial No. 90,302
11 Claims. (Cl. 112—117)



1. In a quilting apparatus, in combination, a work support, a sewing machine for operating on the work carried by said support, a pattern mechanism for determining the path of movement of the sewing machine needle over the work, and mechanical means for positioning the work in the work support in symmetrical relation with said path of movement of the needle including a filler support and a casing support normally spaced from each other and from the work support, and means for producing relative movement of the work support and at least one of said other supports toward each other.

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2,119,342
**HEATPROOF SERVICE TRAY**
Walter A. Morris, Meriden, Conn., assignor to Steelsmiths, Inc., Meriden, Conn., a corporation of Connecticut
Application September 21, 1937, Serial No. 164,859
7 Claims. (Cl. 65—61)

6. A heat proof service tray formed of plastic heat insulating material having integral bosses



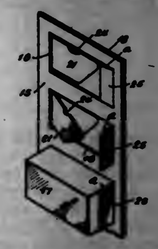
formed on the bottom thereof and forming a multi-point support for the tray, and a multiplicity of metallic inserts extending above the surface of the bottom of said tray, each of said inserts being spaced peripherally of the tray from the supporting bosses, and spacing ridges also formed integrally with the plate and on the side walls thereof and extending down to at least approximately the level of the upper surfaces of the inserts.



7. A heat proof service tray formed of plastic heat insulating material having integral bosses formed therein and projecting from the bottom surface thereof, certain of said bosses forming a multiple point support for the tray and certain other of the bosses being spaced from the first named bosses and being of shallower depth to avoid contact with the supporting surface, the tray bottom having formed on the upper surface thereof recesses at the points where the last named bosses are formed, and metallic inserts disposed in said recesses and extending above the interior surface of the bottom of the tray.

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2,119,343
**DISPLAY DEVICE**
Harold L. Myers, Morristown, N. J.
Application June 10, 1936, Serial No. 84,433
6 Claims. (Cl. 206—80)



1. A display device comprising a face member provided with recesses dimensioned and shaped to receive predetermined packages, backing means secured rearwardly of said face member in fixed association therewith to provide bottoms for said recesses, and tongues forming integral parts of said backing means and normally lying in the plane thereof, said tongues being adapted to be inserted into said packages for removably fixing the latter in said recesses in engagement with the bottoms thereof.

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2,119,344
**THERMOMETER**
Charles Nurnberg, Brooklyn, N. Y.
Application October 7, 1937, Serial No. 167,693
4 Claims. (Cl. 73—354)

2. A thermometer comprising a casing having a tube seat in its front face provided with outwardly flaring walls, a block at its upper end overhanging the tube seat, a cylindrical opening in said block in line with the tube seat, a tube of a diameter throughout its length which will permit it to be passed through said opening having near its upper end oppositely disposed re-



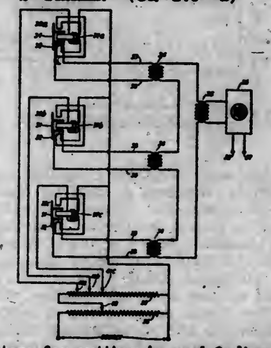
cesses, and independent yielding detents provided with rounded heads projecting into said opening



to engage said recesses to hold the tube in the tube seat.

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2,119,345
**MICROPHONE AND CIRCUIT**
Harry Ferdinand Olson, Collingswood, N. J., and Barton Kreuzer, Rockaway Park, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application May 25, 1935, Serial No. 23,460
2 Claims. (Cl. 179—1)



1. A system for cutting in and fading out one or more microphones comprising a plurality of microphones each including a moving coil, leads for combining the outputs of said moving coils, a field coil in each microphone for energizing the microphone, and means for independently varying the outputs from said moving coils at will, the said means including connections for selectively controlling the amount of energy supplied to each of said field coils.

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2,119,346
**APPARATUS FOR TREATING CANNED LIQUIDS**
Walter Page, Scarsdale, and Burt E. Taylor, Mount Vernon, N. Y., assignors to The Borden Company, New York, N. Y., a corporation of New Jersey
Original application September 6, 1935, Serial No. 39,432. Divided and this application October 15, 1936, Serial No. 105,837
3 Claims. (Cl. 126—272)

3. An apparatus for treating liquids enclosed in cylindrical cans, comprising a stationary cham-

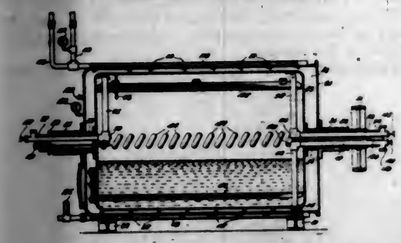
ber provided with means for the passage therethrough of treating media such as heating and cooling fluids, a perforated cylindrical drum rotatably and slidably mounted in the chamber,



means located in the interior of said drum for holding a series of cans at spaced intervals in the drum and in axial alinement therewith, and means for rotating and reciprocating the drum.

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2,119,347
**APPARATUS FOR TREATING LIQUIDS**
Walter Page, Scarsdale, and Burt E. Taylor, Mount Vernon, N. Y., assignors to The Borden Company, New York, N. Y., a corporation of New Jersey
Original application September 13, 1934, Serial No. 743,806. Divided and this application October 15, 1936, Serial No. 105,838
7 Claims. (Cl. 257—89)

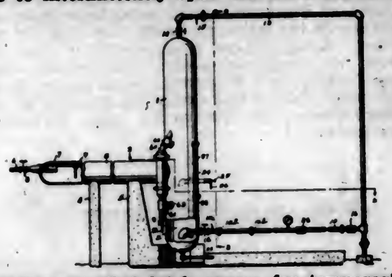


2. In an apparatus for heating and cooling liquids under vacuum, a rotating chamber provided with means for connecting with vacuumizing means, means for the introduction of liquid into the chamber, and a series of fixed vanes attached to the inner surface of the chamber and forming an acute angle therewith for agitating the liquid as the chamber rotates with at least one of the vanes constituting a baffle and arranged between the vacuumizing means and the liquid introduction means, the vacuumizing and liquid introduction means being located at one side of the longitudinal axis of the chamber whereby the chamber may be vacuumized and substantially filled with liquid to a level above the longitudinal axis when at rest without submerging the vacuum connections and liquid supply pipe in the liquid.

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2,119,348
**SEPARATOR**
Lewis A. Parsons, Houston, Tex.
Application July 27, 1935, Serial No. 33,443
14 Claims. (Cl. 210—51)

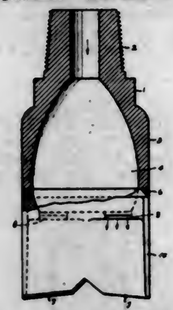
1. A separator comprising a container having a separating chamber provided with an oil outlet, a water discharge outlet beneath the oil outlet, and an inlet for liquid from a well connected into the chamber between said outlets, a valve controlling the water discharge outlet, means normally maintaining the valve closed, automatically operable electrical means including electrodes at different levels and affected by variations in the level of the water in the chamber and effective to intermittently open the valve and elec-



trically controlled latch means for temporarily holding the valve open.

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2,119,349
**DRILL**
William L. Pearce, Houston, Tex.
Application December 28, 1936, Serial No. 117,783
3 Claims. (Cl. 255—61)



1. A drill comprising a head having an upward threaded extension for the connection of a driving member thereto and having a depending hollow body, a blade portion on the lower end of the body, said body and blade portion having an inside chamber which has transversely elongated outlets on opposite sides of the blade portion, the outlets and the bottom of the chamber between the outlets being lined with hard surfacing material.

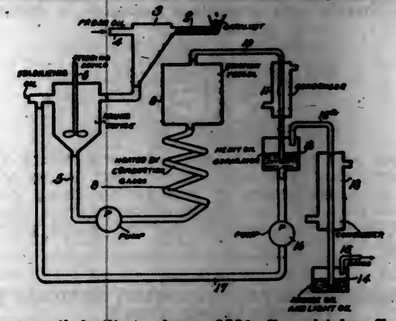
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2,119,350
**CRACKING OF LIQUID HYDROCARBON PRODUCTS**
Mathias Pier, Heidelberg, and Ernst Donath, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application September 13, 1935, Serial No. 40,409
In Germany September 22, 1934
1 Claim. (Cl. 196—52)

In a process for cracking liquid hydrocarbon products boiling above 325° C., rich in polymerizable unsaturated hydrocarbons and containing more than 4% of asphalt in the presence of solid catalysts having a splitting action, the particles of said catalyst having a size less than .06 mm., and in the absence of any substance tending to depress the formation of resinous products, the improvement which comprises avoiding a poisoning of the catalyst by any asphalt and resinous constituents present in the parent materials and



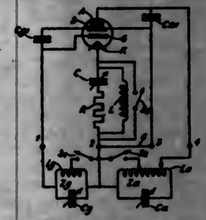
formed during the reaction, by heating such products to a cracking temperature within the range of 400 to 700° C. while in admixture with from about 20 to 40% of a substantially aromatic



heavy oil boiling above 350° C., which effects dissolution of said asphalt and resinous constituents, said oil remaining undecomposed at the cracking temperature selected.

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2,119,351
**AMPLIFYING DEVICE**
Klaas Posthumus, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application March 16, 1934, Serial No. 715,792
In the Netherlands April 5, 1933
7 Claims. (Cl. 179—171)



1. In an amplifying device, the combination of a vacuum tube having a cathode, a control grid and an anode, an anode circuit connecting said cathode and anode, a grid circuit resonant to a desired frequency connected to said control grid and cathode and the series connection of a condenser and resistor common to said grid and anode circuits and so arranged as to pass the alternating component of the current of said anode circuit through both said resistor and condenser.

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2,119,352
**SLIDER FOR SEPARABLE FASTENERS**
Vojtěch Fuc, Prague-Vinohrady, Czechoslovakia, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application August 25, 1936, Serial No. 97,780
In Czechoslovakia December 7, 1935
6 Claims. (Cl. 24—205)

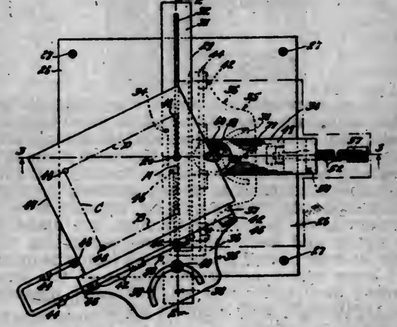
1. A slider for a slide fastener of the type which includes a pair of stringers having rows of spaced interlocking elements along their adjacent longitudinal edges, comprising in combination a pair of spaced top and bottom plates, camming flanges depending from at least one of said slider plates and means independent of manual operation of the slider for preventing the unintended self-actuated movement of the slider when forces tending to spread the stringers apart are applied laterally thereto at points beyond the interlocked portions of the elements, comprising projections integral with the upper portion of and projecting from the surface of at least one of the slider plates toward the opposite plate, said projections being of the buttressed type, i. e. so formed that their resistance to deformation is at least as great in line with the longitudinal path of the rows of ele-



ments as in a line transverse to the length of such rows, and being disposed outside of the normal path of the outer edges of the interlocking elements but closely adjacent to such path, whereby when lateral pull is applied to the stringers beyond the interlocked position of the elements, the projections will extend into the path of the elements as they tend to move from the locked to the interlocked position.

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2,119,353
**JIGSAW**
William E. Reimer, Forest Park, Ill., assignor of one-half to Simon E. Hoh, Forest Park, Ill.
Application July 20, 1936, Serial No. 91,501
4 Claims. (Cl. 143—171)



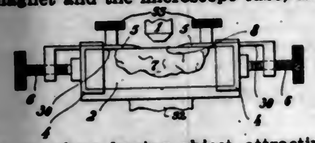
4. A device of the character described comprising a table member adapted to be secured to a jig saw table, a gauge member, and means to adjustably secure said gauge member to said table member, said means including a groove in said table member and a bar slidable in said groove, said bar having movable pivot means adapted to engage a piece of work, said pivot having a gear secured thereto, said bar having an elliptical gear secured thereto adapted to engage said pivot gear whereby said work piece may be caused to traverse an elliptical path.

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2,119,354
**OBJECT CARRIER FOR MICROSCOPES**
Hermann Riepert, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application April 2, 1936, Serial No. 72,226
In Germany April 4, 1935
1 Claim. (Cl. 88—40)

An object carrier for microscopes comprising a horseshoe magnet, means for securing the same to the microscope below the objective tube

thereof, object supporting members, guides in the ends of the horseshoe magnet for supporting the said members in movable relation to the horseshoe magnet and the microscope tube, said sup-



porting members having object attracting surfaces for magnetically contacting and holding the object and screws in said guides for adjusting the said supporting members to position the object for examination by the microscope.

2,119,355

**CENTER AND TRANSVERSE CONTRACTION JOINT**

Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago Heights, Ill., a corporation of Illinois

Application July 6, 1936, Serial No. 88,946
11 Claims. (Cl. 94—18)



1. In a contraction joint for embedding between adjacent concrete slabs, a joint forming mechanism comprising upper and lower plate sections disposed in substantially the same plane and integrally connected to one another by a transverse shield comprising looped sections projecting in opposite directions and connected by a common plate projecting through the plane of the upper and lower plates and separating the same, and anchoring blades struck from the upper and lower plates on opposite sides of the joint forming mechanism and on diagonally opposite side portions of said common plate.

2,119,356

**WITHDRAWN**

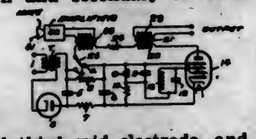
2,119,357

**OSCILLATION GENERATOR**

Jan Schalkwijk, The Hague, Netherlands, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 27, 1935, Serial No. 33,472
In Germany July 20, 1934
2 Claims. (Cl. 179—171)

1. In an oscillation generator, an electron discharge tube having a cathode, an anode, and a multiplicity of grid electrodes of screen-like formation, one of said grid electrodes being adjacent the cathode, the second and fourth grid electrodes being conductively interconnected, and a third grid electrode being positioned intermediate the second and fourth grid electrodes, a resonant circuit connected to said third grid electrode, an output circuit connected to said anode, means including polarized circuits between said cathode, said grid electrodes and said anode for so applying direct current potentials to said electron discharge tube that oscillations are caused to be set up therein and secondary emission is derived



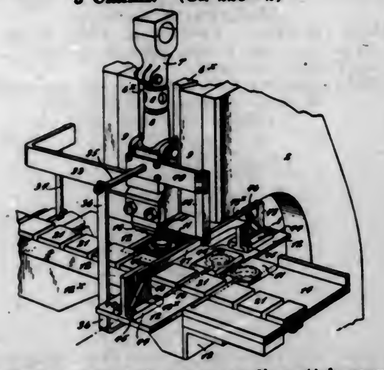
from said third grid electrode, and means for superposing upon said output circuit energy of a modulating frequency, said energy being prevented by the fourth grid electrode from influencing the frequency of the oscillations generated.

2,119,358

**MACHINE FOR PRESS SEALING ARTICLES IN CELLULOSE TUBES**

Lou Scharf, New York, N. Y., assignor to Riverside Company, New York, N. Y., a partnership consisting of David Scharf, Joseph W. Scharf and Lou Scharf

Application April 14, 1937, Serial No. 136,822
5 Claims. (Cl. 226—2)



1. In a machine for press sealing stick carrying articles in cellulose tubes, a table having two sections one for supporting an article and the second for supporting the stick, opposed upper and lower dies, means for relatively moving the upper die toward and from the lower die, an article carrier intermediate the table sections comprising a plurality of holding elements arranged side by side and adapted to intermittently move articles enclosed within cellulose tubes in succession to and from the dies, centering means comprising opposed members, one adapted to abut an edge of each of the successively presented cellulose tubes, and the second to abut the articles disposed within the tubes, and means for imparting relative movement to said centering members toward and from each other to center the articles in the tubes preliminary to pressing of the latter by the dies.

2,119,359

**LIGHTING APPARATUS**

Lindsley Schepmoes, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey

Application April 2, 1935, Serial No. 14,266
18 Claims. (Cl. 240—7.35)

1. In lighting apparatus, in combination, a ceiling, a base member secured to said ceiling,



a plurality of socket members secured to said base member at spaced intervals therealong, a plurality of longitudinal light bulbs disposed within said socket members and bridging the



space therebetween, a plurality of plate-like reflectors adapted to fit about said bulbs, and means movably secured to said base member for detachably holding said reflectors to said base member at spaced points along said bulbs.

2,119,360

**BOX OR CARTON**

Frank J. Schleicher, University City, Mo.

Application May 18, 1936, Serial No. 80,299
2 Claims. (Cl. 229—6)



1. A box or carton comprising a bottom wall, fingers integral with the margin of said bottom wall and extending vertically and having cut-out notches between them of increasing width from the margin of said bottom wall to the upper ends of said fingers, a curved enclosing wall surrounding said bottom wall and being vertical throughout its width and attached to the outer surfaces of said fingers and leaving said fingers offset inwardly from the entire inner surface of said enclosing wall, and an elongated curved strip attached to the inner side of and covering said fingers and having its lower edge seated upon said bottom wall throughout the length of said strip and its upper edge approximately in alinement with the upper ends of said fingers throughout the length of said strip.

2,119,361

**SIDEWALL FORMATION SAMPLER**

Marcel Schlumberger, Paris, France, assignor to Société de Prospection Electrique, Procédés Schlumberger, Paris, France, a corporation of France

Application June 16, 1937, Serial No. 148,574
In France June 23, 1936
10 Claims. (Cl. 255—1)



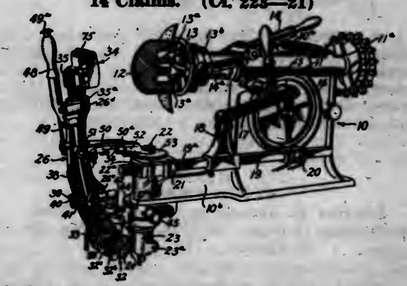
1. Sample taker for taking samples in formations containing a fluid comprising a container adapted to be driven into the ground where it is desired to take the sample, a valve seat placed at the front of this container, a valve normally pressed against this seat and which can be forced through its seat and pushed inside the container when the latter penetrates into the bed where it is desired to take a sample, a second seat for the valve arranged inside the container and means for pressing the valve in the opposite direction against this second seat after the sample has been taken.

2,119,362

**HAT IRONING MACHINE**

Paul Schultze, Danbury, Conn., assignor to Doran Brothers, Danbury, Conn.

Application May 29, 1935, Serial No. 24,065
14 Claims. (Cl. 223—21)



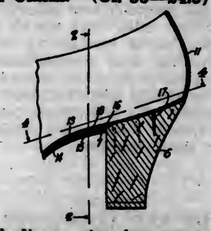
1. In a machine of the character described, in combination, a hat support, means for rotating said support, an ironing tool adapted to operate upon the surface of a hat mounted on said support, means adapted to give said tool a traversing movement of substantially 180° across the surface of said rotating hat in a path extending over the crown thereof, means for urging said tool against said hat during said traversing movement, and means including a positively actuated lever adapted to cause the portion of the iron nearest the band portion on each side of the hat to bear with increased pressure against the hat surface.

2,119,363

**WOMAN'S SHOE**

Benjamin L. Slosberg, St. Louis, Mo.

Application June 17, 1937, Serial No. 148,688
1 Claim. (Cl. 36—24.5)



A shoe, including an insole, an upper having inturned marginal portions underlying and secured to the insole, a preformed heel secured to the bottom of the shoe, an integral lip on said heel, projecting forwardly at the upper edge of the breast surface of said heel, said lip having a shallow cavity in its upper surface; an outsole secured to the shoe bottom, said outsole terminating in a tongue of reduced width projecting into and substantially filling said lip cavity; securing

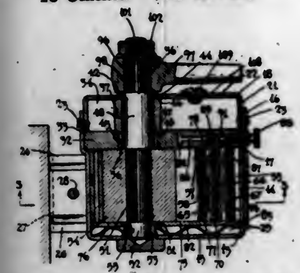
elements extending through said heel lip laterally of the cavity therein, and a flap, split from said outsole, cemented to the under surface of said heel lip.

2,119,364
**OUTPUT POWER METER**
John P. Smith, Jr., Ridgewood, N. J., assignor to The Daven Company, Newark, N. J., a corporation of New Jersey
Application August 28, 1937, Serial No. 161,503
3 Claims. (Cl. 171—95)



1. A device of the character described comprising a rheostat and an auto transformer in parallel, an L attenuator including a volt meter connected across the terminals of said auto transformer, and means for simultaneously controlling said rheostat and said auto transformer.

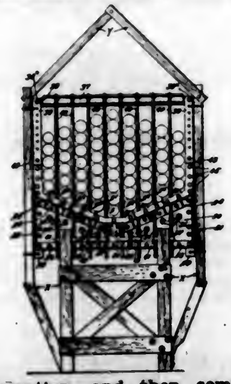
2,119,365
**FLUID CHECK**
Sterling O. Stageberg, Red Wing, Minn.
Application October 19, 1936, Serial No. 106,359
18 Claims. (Cl. 16—51)



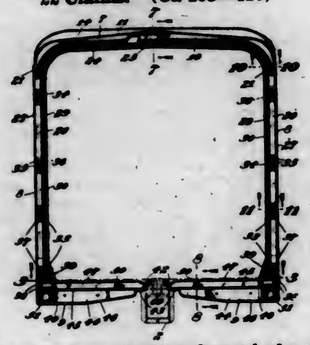
1. In combination, a case providing a compartment having spaced parallel walls, a rotatable member within said compartment rotatable about an axis extending at right angles to said walls, leaf spring means within said compartment attached to means fixed relative to said case and to said rotatable member and extending from one wall to the other, said leaf spring means having overlapping parts contacting with one another and dividing said compartment into two chambers adapted to vary in volume upon rotation of said rotatable member, said overlapping parts being urged into contact through the resiliency of said spring means and forming a check valve between said chambers.

2,119,366
**METHOD OF AND APPARATUS FOR CONSTRUCTING SUSPENSION CABLES**
Charles C. Sunderland, New Brunswick, N. J., assignor to John A. Roebling's Sons Company, Trenton, N. J., a corporation of New Jersey
Application January 12, 1937, Serial No. 120,168
12 Claims. (Cl. 14—22)

11. The method of reducing the voids due to differences of temperature in constructing suspension bridge cables, which consists in grouping a plurality of strands with the strands arranged to provide continuous ventilation of the strands during the grouping of them, maintaining such ventilation until just before the compacting operation, and then compacting the strands to a unitary cable, whereby a substantially uniform temperature of the strands is obtained and maintained for compacting.



2,119,367
**WELDED CAR END FRAME**
John E. Tesseyman and Louis G. Miller, Bethlehem, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application February 26, 1937, Serial No. 127,952
22 Claims. (Cl. 105—410)



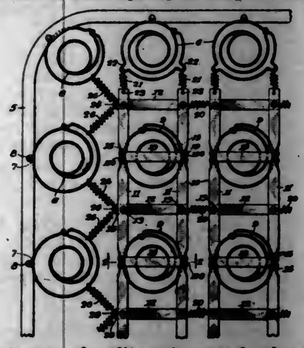
1. A car end construction formed of a plurality of pressed plate metal members, comprising an end sill and an end plate, corner posts having their lower ends welded to the outer ends of the end sill and their upper ends welded to the ends of the end plate, said corner posts having a central face portion and an outer side flange with an offset extending portion adapted to be attached to the car side, an inner flange of shorter length than the outer flange, and a flat plate welded to the edge of the inner flange and the intermediate portion of the outer flange.

2,199,368
**BEDSPRING**
Don Carlos Travis, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application February 11, 1935, Serial No. 5,992
13 Claims. (Cl. 5—267)

1. In a bed spring, a plurality of axially vertical coil springs arranged in a row, a pair of

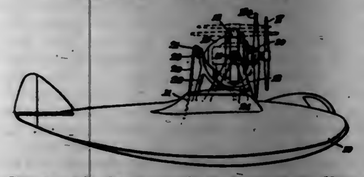


elongated, substantially parallel, relatively, flexible straps respectively overlying the marginal side portions of the top of the row and each anchored to a portion of each spring in the row, and means



comprising a plurality of spaced, short straps extending transversely of said row intermediate said springs and anchored at the ends thereof to said elongated straps to maintain the same in said substantially parallel relation.

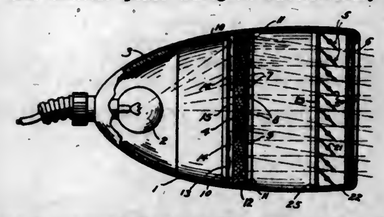
2,119,369
**AIRPLANE**
Charles Twining, Garden City, N. Y.
Application January 16, 1937, Serial No. 120,863
4 Claims. (Cl. 244—56)



1. In an airplane, a frame, a propeller and engine assembly, means supporting said assembly from said frame for limited universal movement, a stud on said engine, a socket to receive said stud when said assembly axis is parallel to the longitudinal axis of the airplane, and arcuate converging guide members leading to said socket, said guide members being engageable by said stud to limit lateral movement of said assembly and to direct said stud into said socket.

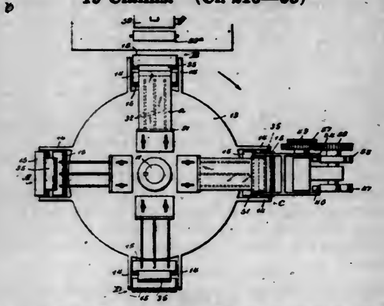
2,119,370
**LIGHT CONTROL MEANS FOR HEADLIGHTS AND THE LIKE**
Edgar Van Leunen, Terminal Island, Los Angeles, Calif., assignor to The Van Leuden Corporation, a corporation of Maryland
Application February 17, 1937, Serial No. 126,240
1 Claim. (Cl. 240—41.3)

A light projector comprising an elongated casing, a source of parallel light rays in the rear thereof, a lens in said casing forwardly of said light source, said lens having its forward face formed with a plurality of horizontally disposed parallel light refracting portions, each portion being substantially of the same size and shape and each having a curved outer face and a flat lower horizontally disposed face, the rear face of said lens having a plurality of vertically disposed light diffusing convex ribs each substantially semi-circular in cross section, said diffusing ribs covering substantially the entire rear face of said lens except for a central area, said central area having a surface lying in one plane, a shield positioned within said casing forwardly of said lens, said shield including a plurality of parallel and horizontally disposed shutter plates arranged in downwardly inclined relation, the lower edge of one shutter plate being in substantially the



same horizontal plane as the upper edge of an adjacent shutter plate, said shield being so positioned with respect to said lens that the downwardly refracted light rays and the horizontal light rays from said convex light refracting portions will converge to horizontal foci adjacent the outer lower marginal edges of said shutter plates, and a front transparent closure for the casing.

2,119,371
**MACHINE FOR APPLYING LABELS**
George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application July 16, 1936, Serial No. 90,921
19 Claims. (Cl. 216—55)



13. In a labeling machine for applying labels, the combination of a movable table, a group of supporting rollers carried by said table for supporting a cylindrical article to be labeled, supporting means on said table in spaced registry with said group of rollers for adhesively receiving one end of a label while the other end of said label is engaged with the article to be labeled, whereby the latter in co-operation with said supporting means supports said label in an applying position, means for carrying said label during application of adhesive thereto and for subsequently transferring said label to said supporting means and said article, and heating means mounted on said label carrying means in registry with that end of the label which is to be engaged with said article.

15. In a labeling machine, the combination of means for holding an article to be labeled, means for depositing a previously gummed label in applying position in initial adhesive engagement with said article, heating means wherey the adhesive coating of the label is heated, and means

for completing the application of the label to the article.

17. In a labeling machine, the combination of a transfer head for transferring a label to an applying station, and heating means mounted on said transfer head whereby a label carried thereby is subjected to the heating action of said heating means.

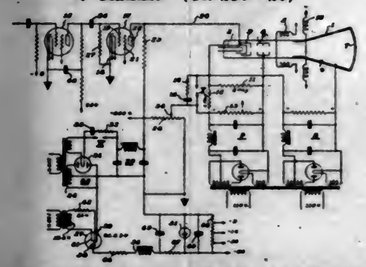
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2,119,372

**PROTECTIVE CIRCUIT**

Karl R. Wendt, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 29, 1936, Serial No. 118,054
7 Claims. (Cl. 250—27)



1. In combination, a cathode ray tube having a cathode, a control grid and an anode, a voltage supply unit having two resistor elements connected thereacross, said anode being connected to the positive terminal of said unit and said cathode being connected to the junction point of said resistor elements whereby one of said elements is connected between said cathode and said anode, an amplifier tube having a plate resistor, a direct current connection between the plate end of said resistor and said control grid, a second voltage supply unit having a voltage divider connected thereacross, said plate resistor being connected to the positive end of said voltage divider to supply positive potential to the plate of said amplifier tube, a direct current connection between the negative end of the other of said resistor elements and a point on said voltage divider whereby the voltage drop across said other resistor element is applied to said control grid, and means for short-circuiting said other resistor element.

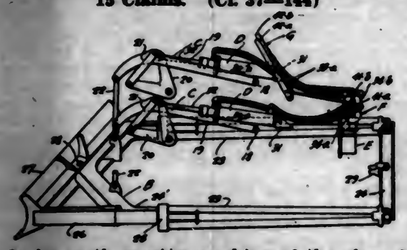
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2,119,373

**BACKFILLER AND BULLDOZER**

Mack Woolridge, Los Angeles, Calif., assignor, by mesne assignments, to Ensco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California

Application September 15, 1933, Serial No. 689,580
15 Claims. (Cl. 37—144)



1. An earth moving machine of the class described comprising a tractor having spaced pairs of tractor wheels for both sides with portable endless tracks passed thereover, and track frames for said tractor; a blade carrying frame embracing said tractor and connected to the rear thereof for longitudinal tilting movement; supporting brackets secured to said track frames intermediate front and rear wheels; beams rockably mounted on said brackets and connected to said blade carrying frame; power operated means interposed between a beam and one of said track frames to raise and lower said beams; and means for controlling operation of said power operated means whereby said blade carrying frame may be selectively tilted longitudinally.

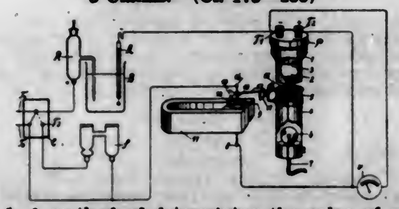
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2,119,374

**METHOD OF AND APPARATUS FOR MEASURING ELECTRIC VALUES**

Peter Wulff, Pullach, near Munich, and Willy Kordatzki, Solln, near Munich, Germany

Application July 19, 1935, Serial No. 32,368,
In Germany July 25, 1934
8 Claims. (Cl. 175—183)



1. A method of determining the value of potentials by automatic opposition, which consists in energizing by illumination a photoelectric cell to produce a voltage and current without auxiliary electromotive force, connecting the unknown potential in opposition to the photoelectric cell and actuating by the current resulting from this connection an electromagnetically movable coil, altering the intensity of the illumination, energizing the photoelectric cell, by and in accordance with the movement of said coil, and continuing the automatic regulation until the potential of the photoelectric cell varied by the variable illumination has assumed a value practically equal to the value of the unknown potential connected in opposition thereto, at which time the movement of the electromagnetically movable coil ceases, and determining the said potential of the photoelectric cell by a voltmeter shunted in a known way to the poles of the photoelectric cell.

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2,119,375

**PHOTOGRAPHIC FILM CAMERA**

Wilhelm Wurm, Stuttgart, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany

Application March 18, 1936, Serial No. 69,498
3 Claims. (Cl. 88—18.4)



1. A photographic camera including a housing, a casette containing photographic film, a slide within the housing, pins in the casette adapted to engage said slide for detachably securing the casette to the camera, a film feeder in the housing extending into the casette in operative engagement with the film, means on said slide for automatically disengaging the said feeder from the film when the said slide is operated to detach the casette and a button in said slide extending to outside the camera housing for operating the slide.



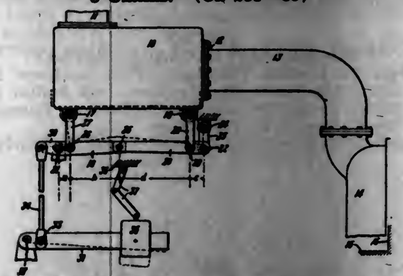
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2,119,376

**SUPPORTING STRUCTURE**

David A. Allee, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application January 27, 1934, Serial No. 708,563
5 Claims. (Cl. 252—39)



1. The combination of a prime mover, a conduit of considerable length with a heavy valve structure connected to the prime mover, and means having portions secured to the valve structure for supporting the valve structure and constraining it to horizontality when the valve structure is moved in any direction.

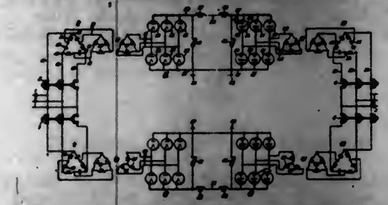
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2,119,377

**ELECTRIC POWER TRANSMISSION SYSTEM**

Burnice D. Bedford, Schenectady, N. Y., Cledius H. Willis, Princeton, N. J., and Frank R. Elder, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application August 20, 1936, Serial No. 97,012
Renewed November 4, 1937
6 Claims. (Cl. 171—97)



6. In combination, a constant voltage alternating current circuit, a second constant voltage alternating current circuit, a constant current direct current transmission circuit, a plurality of circuits interposed between said first mentioned constant voltage circuit and said direct current circuit each comprising a constant current alternating current circuit, means for transmitting energy between said associated constant voltage circuit and said constant current circuit including a monocyclic network, means for effecting a predetermined electrical phase displacement between the phase currents of said constant current alternating current circuit and the respective phase currents of the other constant current circuits of said plurality of circuits and electric valve means interposed between said associated constant current alternating current circuit and said direct current circuit for converting alternating current of constant value to direct current of constant value, and a plurality of circuits interposed between said direct current circuit and said second constant voltage circuit each comprising an electric valve means for inverting direct current of constant value to alternating current of constant value, a constant current alternating current circuit and means for transforming alternating current of constant value to constant voltage alternating current including a monocyclic network interposed between said associated constant current alternating current circuit and said second constant voltage circuit.

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2,119,378

**TWIN SWEATER SET**

Walter Berger, New York, N. Y.

Application September 29, 1936, Serial No. 103,097
3 Claims. (Cl. 2—90)



1. A twin sweater set comprising an inner sweater, and an outer open sweater associated therewith and producing a cape effect, the bottom corners of the front opening of said sweater being square, and each bottom corner being provided with a pair of straps attached at their outer ends to spaced portions of the middle of the outer sweater, on the inner face thereof and extended towards each other, a buckle for holding said straps in relative positions, and coacting elements on the buckle and on the inner sweater for holding the buckle in various relative positions to the inner sweater.

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2,119,379

**AIR HEATING APPARATUS**

George Barnhill Burnside, Fairhill, Dullatur, Scotland

Application February 24, 1937, Serial No. 127,533
In Great Britain August 8, 1935
1 Claim. (Cl. 219—34)



Air heating apparatus comprising an upwardly extending heating duct arranged to deliver heated

air forwardly, a heating element disposed within the heating duct for heating the air, an auxiliary duct outside the heating duct for auxiliary air to flow through, the auxiliary duct extending over the sides, back and upper part of the heating duct and being open at the front to present an insulating space all around the sides and the upper heated part of the heating duct, imitation coal fuel over which heated air from the heating duct passes, said imitation coal being situated at the front of the heating duct below and closely adjacent to the delivery outlet thereof and between the sides of the auxiliary duct, lamp illumination in the imitation coal for directing light upwardly and forwardly therefrom, and an additional air duct interposed between the heating element and the imitation coal.

2,119,380

**ANTENNA UNIT**

Samuel W. Carter, Washington, D. C.

Application January 8, 1936, Serial No. 58,198
9 Claims. (Cl. 250—20)



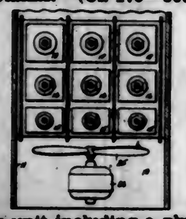
1. In a receiving antenna unit, a plurality of closed vessels formed of electrical insulating material and each containing an acidulated liquid, a plurality of conducting metallic sheets respectively wrapped peripherally around the exteriors of said vessels, a plurality of metallic rod members respectively extending into the interior of said vessels from the exterior thereof and being in contact with said liquid therein, a plurality of interconnecting leads respectively connected from said rod member of one of said vessels to said metallic sheet of another of said vessels for connecting said vessels in series, at least one of said interconnecting leads comprising a relatively long and relatively closely wound conductor positioned adjacent said metallic sheets of a plurality of said vessels, and frame retaining means surrounding said vessels and holding the same relatively closely adjacent each other and with said interconnecting lead adjacent said metallic sheets being in capacitative relation thereto.

2,119,381

**HIGH POWER DRY DISK RECTIFIER**

Ralph T. Cheeseman, Lynn, and Edgar A. Harty, Marblehead, Mass., assignors to General Electric Company, a corporation of New York

Application September 19, 1936, Serial No. 101,640
3 Claims. (Cl. 175—366)



1. A rectifier unit including a plurality of rectifier stacks of the dry disk type, each of said stacks including a plurality of active elements and heat radiating fins, and means to cause a current of cooling medium to flow through said unit in contact with said active elements and said fins, said stacks being so arranged relatively to each other that said cooling medium flows over said stacks in series, the fins of the stacks to which said current is first supplied being of a predetermined area to cause said medium to absorb the heat losses of said first stacks, the fins of the succeeding stacks being of progressively larger area than said predetermined fin area, whereby to cause said medium to absorb sufficient of the heat losses of said succeeding stacks to maintain said stacks at substantially the temperature of the first stacks to which said medium is supplied notwithstanding the higher temperature of said medium.

2,119,382

**PACKAGE AND PACKAGE DISPLAY**

Roger G. Cooper, Ferndale, Mich., assignor to Edward S. Hesse, Carl L. Hesse, and Arthur F. Hesse, co-partners, doing business as Pioneer Tea Company, Detroit, Mich.

Application November 19, 1934, Serial No. 753,748
3 Claims. (Cl. 206—44)




3. A package display comprising a plurality of individual packages each being of polygonal columnar form and having an oblique upper face conforming to a plane passing through one diagonal of the polygon which is parallel to the base, said packages being grouped to impart to the upper portion thereof a saw-tooth form and a holder for the packages thus grouped.

2,119,383

**BEER COOLING AND DISPENSING DEVICE**

Richard T. Cornelius, Minneapolis, Minn.

Application August 17, 1936, Serial No. 96,287
6 Claims. (Cl. 225—40)



5. In combination, a removable tap tube adapted to be inserted into a beer barrel and having a portion extending outwardly beyond the beer barrel, a flow regulating device secured to the outer end of said tap tube and connected therewith, a faucet secured to the outer end of the flow regulating device, a jacket enclosing a part of said outwardly extending portion of said tap tube and forming a cooling chamber about the same, said flow regulating device, faucet and jacket being solely supported by said draft tube, means for directing a cooling liquid into one end of said cooling chamber, and means for leading the cooling liquid away from the other end of said chamber.



2,119,384

**AUTOMATICALLY ADJUSTING BRAKE**

John J. Denham, Berkeley, Calif., assignor to Albert E. Jurs, Berkeley, Calif., doing business as Shand & Jurs Company

Application August 11, 1936, Serial No. 95,367
3 Claims. (Cl. 188—79.5)



1. A brake comprising a brake drum, a backing plate associated with the drum, at least two segmental brake shoes, corresponding ends of said shoes being pivotally secured to the backing plate, a hydraulic motive unit connected to the free ends of said shoes and serving to actuate the same to braking positions, spring means for urging the free ends of said shoes together and towards released positions, a pair of cam elements movably carried by the backing plate and forming adjustable abutments for the released positions of said braking shoes, and means for determining the settings of said cam elements, when the shoes are moved to braking positions, said last means comprising lugs formed in said cam elements and adjustable members carried by the shoes and adapted to engage said lugs.

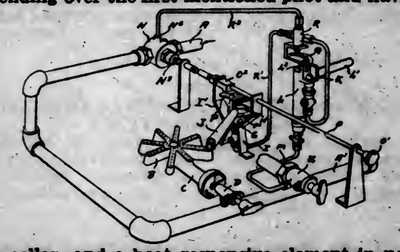
2,119,385

**CONTROL MEANS FOR LIGHTER MECHANISM**

Thomas L. Ferrall, Detroit, Mich., assignor to Roberts Brass Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application January 18, 1934, Serial No. 707,183
4 Claims. (Cl. 158—117.1)

1. In combination, a burner, a pilot in lighting proximity to said burner, a second burner, a pilot in lighting proximity to said second burner, a gas supply conduit for said burners, a spring pressed valve controlling the flow of gas through said conduit to said burners, a second spring pressed valve, a conduit for conducting gas from the supply side of said supply conduit to the second valve, branch conduits for conducting gas from the second valve to the pilots, the branch conduit to the second pilot being upon the supply side of the second valve, the branch conduit to the first pilot being upon the discharge side of said second valve, a heat responsive element in position to be heated by the second mentioned pilot when lighted, an automatic push rod movable by the heat responsive element when heated by the second mentioned pilot for opening the second mentioned valve, said second mentioned valve being movable by its spring to closed position to cut off the supply of gas to the first mentioned pilot when the second mentioned pilot is extinguished, a manually operable push rod for opening the first mentioned valve, said rod extending over the first mentioned pilot and having



a collar, and a heat responsive element in position to be heated by the first mentioned pilot and movable into and out of the path of the collar, said last mentioned heat responsive element being operable after the manually operable rod has been pushed and the first mentioned pilot has been lighted to move into the path of and engage the collar so that the first mentioned valve will be held in open position, and being operable when the first mentioned pilot is extinguished to move out of engagement with the collar so that the first mentioned valve may be moved by its spring to closed position.

2,119,386

**FLOOR POLISHING MACHINE**

Osmund Holm-Hansen, Stratford, and Noble H. Watts, Bridgeport, Conn., assignors to General Electric Company, a corporation of New York

Application August 28, 1934, Serial No. 741,840
9 Claims. (Cl. 15—49)



1. In a polishing machine, a vertical spindle, means for driving said spindle, a holder secured to the lower end of said spindle, said holder having an annulus of resilient material with a tapered surface, and a polishing element secured to said holder by frictional engagement with said tapered surface.

2,119,387

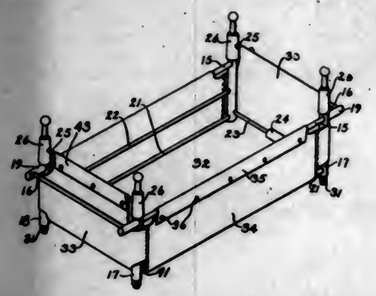
**CHILD'S CRIB, ETC.**

James Willard Harvey, Winthrop, Maine, assignor to Robert S. Allyn, New York, N. Y.

Application April 12, 1933, Serial No. 665,626
12 Claims. (Cl. 5—98)

1. A folding crib frame having corner posts, side bars extending through the posts and form-

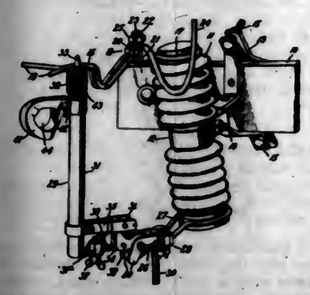
ing hinges therefor to permit swinging the corner posts on the side bars, end bars connecting the ends of the side bars outside of the corner posts, removable cross members for connecting the upper and lower ends of the corner posts at the ends of the crib and side bars connecting the lower ends of the corner posts along the sides of the crib.



2. A crib comprising an upper frame having upper side bars and upper end bars, corner posts pivoted on the ends of the side bars, lower side bars connecting the lower ends of the respective corner posts, removable lower spreader bars at the ends of the crib between adjacent corner posts, removable tie members at the ends of the crib connecting the upper ends of adjacent corner posts, and a fabric covering stretched beneath the lower side bars and the spreader bars and having sides secured to the upper side bars and ends secured to the tie members.

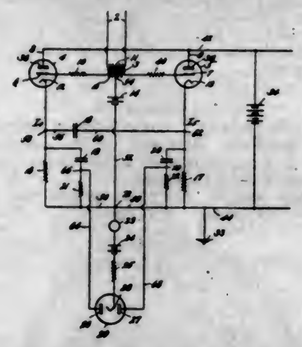
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**2,119,288**
**ELECTRIC SWITCH**
**Benjamin R. Hermann, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York**
**Application October 6, 1933, Serial No. 692,414**
**15 Claims. (Cl. 200—114)**



1. An electric switch comprising stationary switch contacts, a fuse link, a fuse holder tube of insulating material, a contact cap mounted on one end of said tube and arranged to engage one of said switch contacts, means for pivotally supporting the fuse holder on another of said switch contacts, an operating handle secured to the fuse holder tube independently of and in spaced relation to said contact cap, and electrical conducting means interconnecting said operating handle and said contact cap to prevent static discharge therebetween.

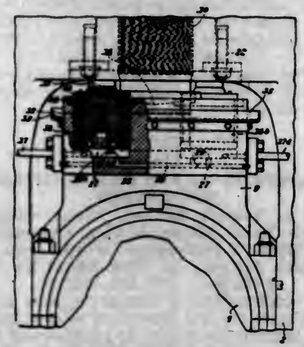
**2,119,289**
**FREQUENCY METER**
**Frederick Vinton Hunt, Cambridge, Mass., assignor of one-half to General Radio Company, Cambridge, Mass., a corporation of Massachusetts**
**Application December 6, 1935, Serial No. 53,203**
**17 Claims. (Cl. 175—368)**



1. A meter comprising two elements adapted to be rendered alternately conducting in response to pulsations of a source of current, means connecting the elements to the source, means for maintaining each element conducting until the other element becomes conducting and for thereafter rendering it non-conducting, responsive means, and an auxiliary circuit for delivering to the responsive means two transient pulses in the same direction for each pulse of the source in a given sense.

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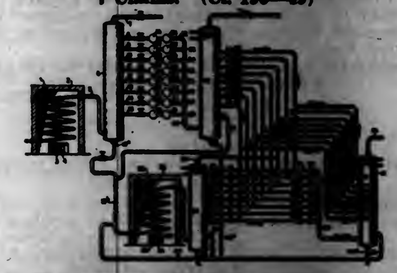
**2,119,290**
**ROLLING MILL**
**Lorenz Iversen, Pittsburgh, Pa., assignor to Mesta Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania**
**Application August 26, 1936, Serial No. 97,921**
**10 Claims. (Cl. 80—56)**



1. In a rolling mill, a pair of rolls, a housing, a chock block for one of the rolls adjustably carried by the housing, an adjusting screw, power means for rotating the screw and thus applying pressure to the chock block, and fluid means for supplementing the screw pressure, the fluid pressure being controllable independently of the screw pressure.



**2,119,291**
**METHOD FOR CRACKING OILS IN VAPOR PHASE**
**Percy C. Keith, Jr., Penpack, N. J., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware**
**Original application November 9, 1933, Serial No. 697,283, which in turn is a division of Serial No. 323,905, December 1, 1928. Divided and this application December 6, 1935, Serial No. 53,144**
**7 Claims. (Cl. 196—49)**



1. The process of treating hydrocarbon oil which comprises introducing highly heated oil into a separating zone wherein separation of the oil into vapors and liquid residue occurs as a result of its contained heat, fractionating in a first fractionating zone vapors separated in said first separating zone to form an intermediate condensate, removing fractionated vapors from said first fractionating zone and condensing them as a desired product, subjecting such intermediate condensate to cracking temperature to effect conversion into lower boiling products, fractionating resultant products of said cracking in a second fractionating zone to form an intermediate condensate, withdrawing said liquid residue from said separating zone and passing it through a heating zone in a stream of restricted cross-sectional area, whereby said oil is raised to a cracking temperature and subjected to conversion, introducing the resulting cracked products into a second separating zone wherein vapors separate from residue, fractionating in a third fractionating zone vapors separated in said second separating zone to form an intermediate condensate, removing the fractionated vapors and condensing them as a desired product, mixing intermediate condensate removed from said second fractionating zone with intermediate condensate removed from said third fractionating zone and passing the mixture so obtained through a second heating zone wherein it is raised to a cracking temperature and subjected to conversion, introducing the resulting cracked products into a separating zone wherein vapors separate from residue, and fractionating vapors so obtained to form an additional quantity of final desired products.

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**2,119,292**
**SHOE**
**David Levin, New York, N. Y.**
**Application November 20, 1937, Serial No. 177,261**
**2 Claims. (Cl. 36—12)**

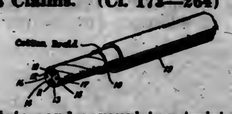
1. In a shoe, an upper having apertures along its lower edge and a sole apertured along its edge separated from said upper by a space, and a thong laced across said space to secure said upper to the sole, the end of said thong passing from an aperture in the sole below upwardly and inwardly through an aperture in the upper then downwardly and outwardly forming a loop over said thong and inwardly and upwardly and through another aperture in said



upper then outwardly and downwardly through said loop and across said thong and into another aperture in said sole.

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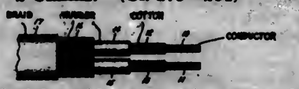
**2,119,293**
**ELECTRIC CABLE AND METHOD OF MANUFACTURING THE SAME**
**Edward H. Lewis, Bridgeport, and Clifford O. Hull, Stratford, Conn., assignors to General Electric Company, a corporation of New York**
**Application July 18, 1934, Serial No. 735,868**
**3 Claims. (Cl. 172—264)**



1. An electric cord comprising twisted together conductors each provided with insulation of a thickness insufficient to insulate the two conductors from each other for their intended potential difference were they twisted together in direct contact with each other, fillers of insulation twisted with the conductors and extending between them to provide the required thickness of insulation between conductors, and an insulating overall covering of a thickness sufficient to provide the required insulation between the conductors and ground whereby the cord is correspondingly reduced in over-all dimensions for the same insulating value.

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**2,119,294**
**ELECTRIC CABLE**
**Edward H. Lewis, Union, N. J., and Clifford O. Hull, Stratford, Conn., assignors to General Electric Company, a corporation of New York**
**Application December 18, 1934, Serial No. 758,012**
**2 Claims. (Cl. 173—264)**




1. An electric cable comprising a conductor, a rubber covering over the conductor having a plurality of small continuous ribs extending throughout its length and which are closely arranged, and a fibrous covering braided tightly over the rubber covering whereby the ribs prevent the ready loosening and fraying back of the braid.

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**2,119,295**
**EXPANSION PULLEY**
**Burton H. Locke, Lowell, Mass.**
**Application December 22, 1936, Serial No. 117,173**
**4 Claims. (Cl. 74—230.18)**

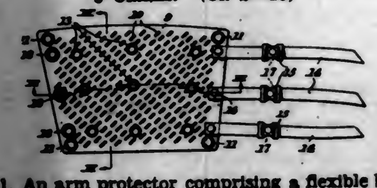
1. An expansion pulley comprising a rigid center section, an expansible outer rim section to contact a belt and an expansible tube therebetween, a rigid flange section contacting each side of said tube being integral to said center section

and extending outward therefrom beyond said outer rim section, means for injecting and retaining a fluid in said tube for the purpose of distending same to expand said outer rim section.



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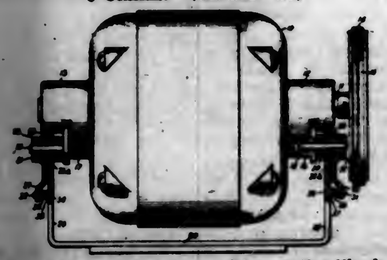
2,119,396
**PROTECTOR**
Roy McK. Mann, Burgettstown, Pa., assignor to Ohio Valley Safety Apparel Company, Steubenville, Ohio, a corporation of Ohio
Application October 29, 1936, Serial No. 108,245
3 Claims. (Cl. 2—16)



1. An arm protector comprising a flexible base of sufficient size to encircle a wearer's arm, flexible protective means having a plurality of small metallic particles spaced about the surface thereof, said protective means covering a portion of said base and being detachably secured thereto, said protective means having hollow eyelets extending only therethrough, and straps attached only to said protective means for securing the protector to the wearer, said straps having adjustable spring eyelet fasteners for attachment to said protective means.

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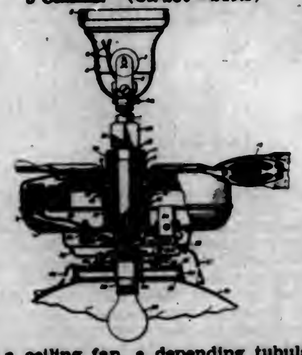
2,119,397
**BELT TIGHTENER BASE**
Wayne J. Morrill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application April 21, 1936, Serial No. 75,588
6 Claims. (Cl. 248—23)



5. A dynamo-electric machine or the like having a stationary member and a rotatable member provided with a frictional driving connection, a mounting member pivotally connected to said stationary member, a resilient bushing arranged between said mounting member and said stationary member and being rotatably supported with respect to one of said two last-mentioned members and secured with respect to the other of said members, and means for adjusting and securing the position of said bushing to utilize the torsional resistance thereof for initially biasing said stationary member with respect to said driving connection.

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2,119,398
**COMBINED CEILING FAN AND LIGHT**
Harold F. Morse, Southport, Conn., assignor to General Electric Company, a corporation of New York
Application September 28, 1937, Serial No. 166,091
5 Claims. (Cl. 230—249.5)



1. In a ceiling fan, a depending tubular support serving as a conduit, an electric motor carried thereby comprising a stator fixed to the support and a rotor above the stator and rotatable around the support, fan blades carried by the rotor, a pull switch and motor terminals for connection with line conductors extending downward through the support carried on the under side of the stator, and a cover plate for the switch and terminals having an opening through which the pull member of the switch extends.

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2,119,399
**SASH OPERATOR**
Peter J. Muscheng, St. Louis, Mo.
Application April 12, 1937, Serial No. 136,273
6 Claims. (Cl. 74—91)

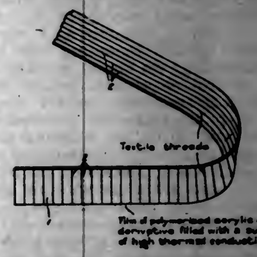


1. An operating mechanism including a rotatable element, and means for locking said rotatable element against movement when its limit of movement in one or the opposite direction has been reached, said means including a member mounted on said rotary element for rotation therewith and provided with abutments, opposed, independently movable reciprocatory elements one or the other of which is adapted to be moved into the path of rotary travel of an abutment of said member on said rotary element when one or the opposite limit of movement of said rotary element has been reached, a member to which reciprocatory movement is imparted during rotation of said rotary element, and means fixed to said reciprocatory member which contact directly with said reciprocatory elements so as to move one or the other thereof to a position where the reciprocatory element so moved is engaged by an abutment on said member mounted on said rotary element to arrest movement of the rotary element.



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2,119,400
**INSULATING BAND FOR ELECTRICAL MACHINES AND APPARATUS**
Paul Nowak, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
Application May 27, 1936, Serial No. 82,155
In Germany June 4, 1935
5 Claims. (Cl. 154—2.6)

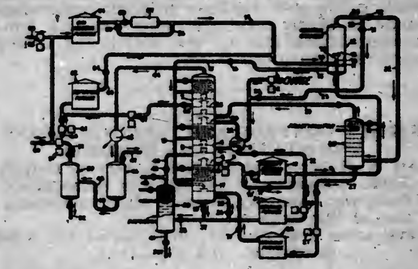



1. An article of manufacture comprising an electrically insulating band consisting of an intimate association of textile material and an insulating mass comprising polymerized acrylic acid derivative containing a substantial amount of filling material having approximately the thermal conductivity properties of quartz.

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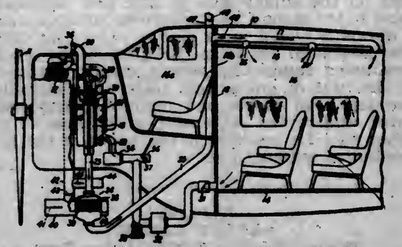
2,119,401
**PROCESS FOR THE TREATMENT OF HYDROCARBON OIL**
Ralph H. Price, Galveston, Tex., and Vanderveer Voorhees, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application February 23, 1935, Serial No. 7,686
7 Claims. (Cl. 196—49)

1. The process of treating hydrocarbon oil which comprises heating relatively light hydrocarbons, substantially all of which boil at a temperature of not over 450° F., to a relatively high cracking temperature to cause conversion thereof into hot vapors in the gasoline boiling range, introducing the resulting highly heated vapors and gases into a reaction zone and therein contacting them with relatively heavy liquid hydrocarbon oil introduced at a lower temperature from a separate source, the relative quantities and temperatures of the highly heated gases and vapors and of the heavy oil being such that the temperature of the resulting mixture is considerably higher than that of the heavy oil at the time of its introduction, said temperature of the resulting mixture being such as to cause cracking of said heavy oil, removing the resulting vapors from said reaction zone and fractionating them in a fractionating zone to separate gasoline constituents and an intermediate boiling condensate, passing intermediate boiling condensate so obtained through a separate cracking zone in a stream of restricted cross-sectional area wherein it is raised to a cracking temperature, introducing the resulting cracked products into a separating zone, passing vapors from said separating zone into said fractionating zone, introducing fresh relatively heavy charging stock into said fractionating zone in contact with the vapors therein, removing unvaporized portions of said charging stock in mixture with relatively heavy condensate and introducing the mixture into said reaction zone as said heavy liquid hydrocarbon oil, and removing unvaporized constituents from said reaction zone and introducing them into said separating zone with an accompanying reduction in pressure, to cause flashing thereof.



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2,119,402
**AIRCRAFT**
Samuel R. Puffer, Saugus, Mass., assignor to General Electric Company, a corporation of New York
Application June 26, 1935, Serial No. 28,482
6 Claims. (Cl. 244—59)

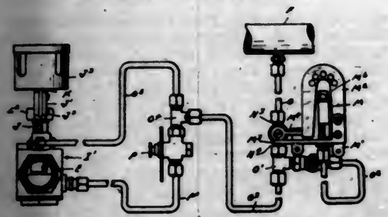


1. An aircraft including an internal combustion engine, multi-stage supercharging means for supercharging the engine having an inlet for conducting air from the atmosphere to the first stage and an outlet for conducting air from the last stage to the engine, a sealable compartment, and means for supercharging the compartment comprising a conduit for conducting compressed air from an intermediate stage of the supercharging means to the compartment and a second conduit for conducting air from the compartment to a succeeding stage of the supercharging means, the first conduit including means for heating and cooling the air therein, the second conduit including a cooler for cooling the air.

2,119,403
**PROCESS OF PRODUCING STABLE HYDROCARBON LUBRICANTS**
Ovid E. Roberts, Jr., New Rochelle, N. Y.
No Drawing. Application October 31, 1933, Serial No. 696,008
1 Claim. (Cl. 196—29)

The process of producing stable hydrocarbon lubricants which comprises subjecting a petroleum distillate boiling in lubricating range to limited oxidation with ammonium nitrate and also reacting the said distillate with an ammonium halide in highly dispersed state and at a temperature above 225° C. and within the boiling range of lubricants.

2,119,404
**SAFETY CONTROL AND IGNITION MEANS FOR MULTIPLE GAS BURNERS**
Earl W. Roberts and Thomas L. Ferrall, Detroit, Mich., assignors to The Roberts Brass Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application February 25, 1935, Serial No. 8,180
12 Claims. (Cl. 158—117.1)



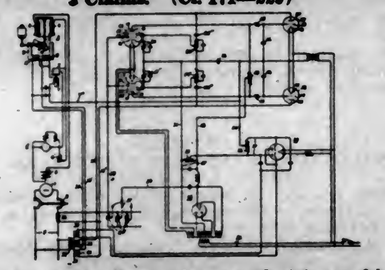
2. In combination, a gas manifold, a supply conduit therefor, an automatic valve controlling the supply of gas from the conduit to the manifold, two pilots, a second automatic valve, means for conducting gas from the manifold to said second automatic valve, means for conducting gas from said second automatic valve to said pilots, means for conducting gas from said conduit on the supply side of said first automatic valve to the second mentioned conducting means, a normally closed push button valve controlling the passage of gas from the third to the second mentioned conducting means, means responsive to the heat of one of said pilots for controlling the action of the second mentioned automatic valve, and means responsive to the heat of the other pilot for controlling the action of the first mentioned automatic valve.

2,119,405
**SAFETY RAZOR**
Walter Osborne Runcie, Lima, Peru
Application October 21, 1936, Serial No. 106,857
2 Claims. (Cl. 30—50)



2. In a quadruplex edged safety razor, a body portion, a clamping plate, a clamping screw, two superimposed blades of the same construction, each having obliquely disposed pilot pin slots, said blades when assembled between the body portion and clamping plate having their slots oppositely disposed to each other whereby relative longitudinal movement of a blade and body portion will selectively position in shaving position the edge of one blade and the opposite edge of the other blade.

2,119,406
**ELECTRIC CIRCUIT CONTROL MEANS**
Jerry L. Stratton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 14, 1935, Serial No. 40,622
3 Claims. (Cl. 171—229)



1. In combination, a dynamo-electric machine having an armature winding, a field winding, a rheostatic regulator and an exciter for energizing said field winding through said regulator, power responsive means including two electric valves each comprising an anode, a cathode and at least two control electrodes, means for impressing upon corresponding control electrodes of each valve in-phase potentials proportional to the current in said armature winding and for impressing upon the other corresponding control electrodes of each valve potentials proportional to the voltage of said armature winding and displaced relative to each other 180 electrical degrees, one of said valves being connected to provide an average anode current proportional to the positive power characteristic of said armature winding and the other of said valves being connected to provide an average anode current proportional to the negative power characteristic of said armature winding, said rheostatic regulator being differentially responsive to the currents provided by said electric valves to control the energization of said field winding to maintain a predetermined power output of said dynamo-electric machine.

2,119,407
**MEANS FOR FILING MICRO-SLIDES**
Edwin C. Weiskopf, New York, N. Y.
Application August 14, 1937, Serial No. 159,066
1 Claim. (Cl. 45—2)



A cabinet of the class described for filing a multiplicity of micro-slides of different sizes in groups containing slides of the same size, said cabinet comprising a frame having a plurality of compartments of uniform sizes, a plurality of drawers of uniform size slidably and removably mounted in said compartments, and an insert removably positioned interchangeably in each of said drawers and having sub-compartments for the filing therein of groups of slides of different sizes, respectively, said insert having a plurality of spaced longitudinally extending walls arranged in pairs and thereby defining said sub-compartments in said insert, the walls of one pair being more widely spaced than the walls of another whereby the sub-compartments are of different widths, each of said walls having a multiplicity of closely spaced open top grooves which are in alignment and confront each other in each of said sub-compartments providing companion slide receiving grooves, each of said grooves being of such width as to receive two slides and to hold the same in vertical face to face contact, with the slides in companion grooves spaced from the slides in adjacent companion grooves of the same sub-compartment, said sub-compartments of different widths being thus constructed and arranged to have visibly filed therein a large number of slides of different sizes, each of said inserts having front and rear walls, and each of said drawers having front and rear walls which extend above said insert walls.



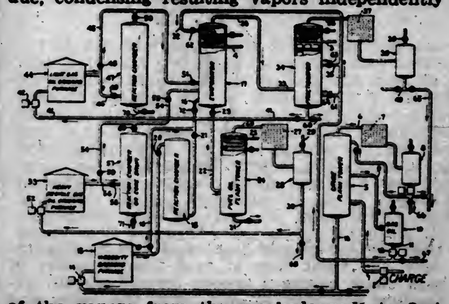
2,119,408
**SHADE ROLLER CHECK**
James M. Wilson, Newark, N. J., assignor, by mesne assignments, to Shade Check, Inc., Newark, N. J., a corporation of New Jersey
Application August 6, 1936, Serial No. 94,559
6 Claims. (Cl. 156—36)



1. The combination with a spring actuated roller and a stationary support therefor at one end, of means for checking the roller upon rotation thereof under influence of the spring at a speed in excess of a predetermined limit said means comprising a stop dog pivotally mounted on said roller on an axis perpendicular to the axis of the roller and normally permitting rotation of the roller at a speed below said limit, and an actuator lever pivoted on said roller on an axis parallel to the roller axis to be swung about its pivot by centrifugal action upon rotation of said roller, said actuator and said dog having cooperating cam surfaces whereby upon rotation of the roller at excessive speed the dog is projected about its pivot into a position to engage said stationary support and stop rotation of the roller.

2,119,409
**PROCESS FOR THE TREATMENT OF HYDROCARBON OIL**
Russell L. Zimmerman, Galveston, Tex., assignor to Standard Oil Company (Indiana), Chicago, Ill., a corporation of Indiana
Application April 18, 1934, Serial No. 721,070
3 Claims. (Cl. 196—49)

1. The process of treating hydrocarbon oil which comprises passing reduced crude charging stock through a viscosity breaking cracking zone wherein it is raised to a cracking temperature and subjected to a relatively small amount of conversion to products in the gasoline boiling range per pass, introducing the resulting cracked products into a separating zone wherein separation of vapors from liquid residue takes place, passing resulting vapors into a fractionating zone and subjecting them therein to fractional condensation, removing resulting fractionated vapors and condensing them as a desired product, removing reflux condensate from said fractionating zone and passing it through a cracking zone wherein it is raised to a cracking temperature and subjected to a relatively large amount of conversion per pass, introducing the resulting cracked products into said separating zone in mixture with the cracked products from the viscosity breaking cracking operation, withdrawing liquid residue from said separating zone and subjecting it to reduced pressure in a flashing zone wherein vapors separate from liquid tar-like residue, condensing resulting vapors independently



of the vapors from the cracked products first mentioned to form a heavy flashed distillate containing the heaviest constituents of the flashed vapors, heating said heavy flashed distillate in an independent heating zone to a coking temperature, delivering the heated flashed distillate into a coking zone, maintaining the products therein at a coking temperature to effect conversion into a coke residue, withdrawing evolved vapors from the coking zone and passing them into said separating zone.



2,119,410
**REFILLABLE PENCIL**
Horace J. Alter, Brooklyn, N. Y.
Application September 16, 1936, Serial No. 101,150
3 Claims. (Cl. 120—21)

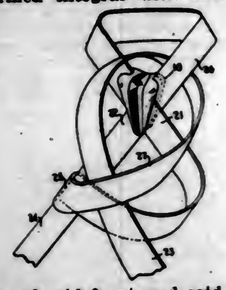


1. A refillable pencil comprising a body having a bore, a stud having a bore carried by said body, said bores adapted to receive a lead, a retaining nut threaded on said stud, a chuck sleeve threaded into said nut, elongated tapered jaws arranged in the sleeve to grip the lead.

2,119,411
**NECKTIE KNOT FORM**
Felix Alva, New York, N. Y.
Application February 2, 1938, Serial No. 188,283
5 Claims. (Cl. 2—153)

1. An article of manufacture of the type described adapted to being incorporated in and

lending shape to a four-in-hand knot formed in a string tie, comprising a block having outline essentially triangular with rounded corners and apex pointing downwardly in vertical section, said block having a vertically positioned slot formed therein dividing said block into a front member and a rear member united by a cross member formed integral with and positioned



near the top of said front and said back members, the front face of said front member of said block having a groove formed therein extending vertically upward from the lower end thereof, being continued across the top portion of said cross member and terminating on the back face of said back member near the top thereof.

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2,119,412
**SEGMENTAL ABRASIVE WHEEL AND METHOD OF MAKING THE SAME**
Albert L. Ball, Lewiston Heights, and Raymond C. Benner, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application December 30, 1935, Serial No. 56,769
13 Claims. (Cl. 51—206)

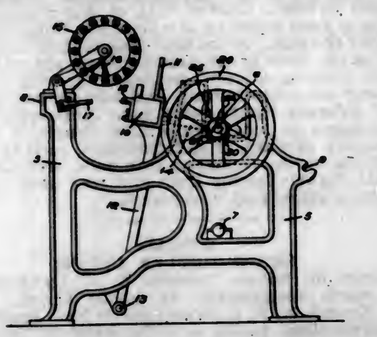


1. An abrasive wheel comprising a plurality of abrasive segments mounted on a rotatable hub, grooves in the outer surface of the hub adjacent the segments, corresponding grooves in the inner surfaces of the segments disposed approximately opposite said grooves in the hub, a metal filling the keyways formed by pairs of oppositely disposed grooves, and strips of resilient material consisting of porous rubber vulcanized to a plurality of the surfaces separated by narrow gaps to join adjacent segments and to join the hub to the segments across the gaps situated between the keys.

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2,119,413
**LOOM GOVERNOR**
Nelson A. Batchelder, West Barrington, R. I.
Application July 19, 1937, Serial No. 154,332
3 Claims. (Cl. 139—1)

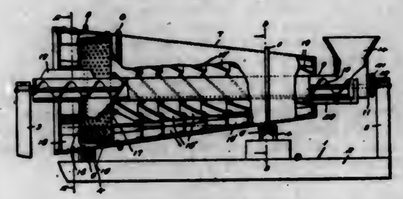
1. In an organized loom, in combination, a lay, picking means, shedding mechanism, a drive shaft for the loom, power-applying means for the shaft, an inertia governor wheel loosely received on the shaft and separate from the power-applying means, and automatically engaging and releasing connections between the wheel and the shaft including oppositely disposed hub-like members surrounding the shaft, each having a concentric series of arcuate teeth, one of said members fixed for rotation with the wheel and



the other fixed for rotation with the shaft, said members being relatively movable axially away from each other by a mutual camming action to effect said automatic release of the wheel and shaft, and spring means opposing said relative movement of said members and urging them toward wheel and shaft engaging position of their teeth.

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2,119,414
**GRAVEL WASHER**
Almond G. Blanchard, Niles, Mich.
Application March 31, 1937, Serial No. 134,174
1 Claim. (Cl. 209—452)



A sand and gravel separating and washing device comprising a horizontally arranged drum of substantially conical shape, a conveyor mechanism extending through the drum and having a discharge opening at one end and a trough located within the drum adjacent the large end thereof, a substantially conical-shaped screen secured in the drum and having one end partially closed to receive sand and gravel from the conveyor mechanism by way of the discharge trough for separating the sand from the gravel, a plurality of plates secured on said drum for elevating the separated sand and depositing said sand into the conveyor mechanism for discharge at the open end thereof, and spirally arranged rows of plates secured on the drum between the screen and the small end of said drum for conveying gravel from the screen through the drum and discharging it at the small end of the drum, and means for introducing water into the small end of the drum.



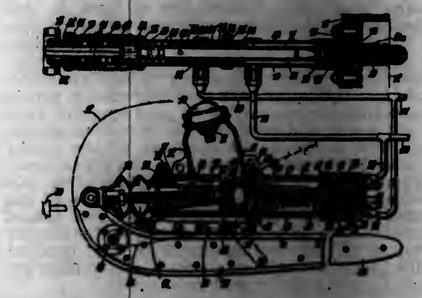
2,119,415
**PIPE INSULATION MOLD**
Edward E. Bodge, Honolulu, Territory of Hawaii, assignor to Von Hamm Young Company, Limited, a corporation of the Territory of Hawaii
Application August 26, 1936, Serial No. 98,035
1 Claim. (Cl. 25—137)



An apparatus for molding insulation on a pipe comprising a plurality of mold shells positioned to surround a pipe and in spaced relation thereto, certain of said shells receiving therein the ends of the other shells, spacers supporting certain of the shells on the pipe and the other shells supported by the shells carried by said spacers, said shells having slots to permit placing of insulation material in the shells to fill the spaces between the shells and the pipe and the spacers, split adjustable clamps binding said shells together and positioned over the spacers, cover plates for closing the slots, and split adjustable clamps for removably securing the covers in place on the shells.

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2,119,416
**HYDRAULIC CONTROLLING APPARATUS**
Francis Victor Brown, London, England, assignor to Automotive Products Company Limited, London, England
Application October 14, 1935, Serial No. 45,003
In Great Britain February 18, 1935
3 Claims. (Cl. 60—52)



1. In a hydraulic system for remotely controlling a sliding bolt by liquid pressure, a master cylinder and master piston, a reservoir, a breathing hole in the master cylinder being uncovered by the master piston when the latter is in its completely retracted position so as to place the master cylinder space into connection with the reservoir, a motor cylinder, a pipe line connecting the master cylinder with the motor cylinder, a motor piston slidable in said motor cylinder, a sliding bolt secured to said piston and a wall in the motor cylinder, said wall having a limited free movement in the motor cylinder so as to give way freely under the action of liquid delivered by the initial part of the movement of the master piston and thus prevent the rise of pressure in the master cylinder until after the master piston has well covered the breathing hole.

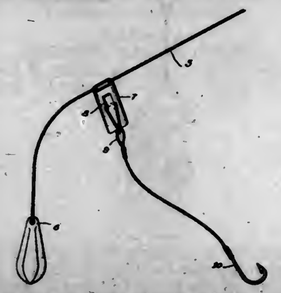
2,119,417
**FISH LURE**
John Emmett Brown, Amherst, Ohio, assignor of one-half to Fred Hermann Gasser, Amherst, Ohio
Application October 19, 1936, Serial No. 105,135
2 Claims. (Cl. 43—46)



1. A fish lure comprising a tapered body portion fashioned from a natural quill and having its small end open and its walls at the large end thereof provided with a substantially V-shaped recess in simulation of the open mouth of a minnow, a hook having a shank disposed within the body portion and a barb projecting through the small end of said body portion, said shank being provided with a lateral hump arranged near the V-shaped recess, anchoring material disposed within the body portion and surrounding said hump, and means on the shank adjacent the hump for attachment to a fishing line.

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2,119,418
**FISHING LINE ATTACHMENT**
Otto Bulow, St. Albans, N. Y.
Application May 11, 1936, Serial No. 79,166
2 Claims. (Cl. 43—28)



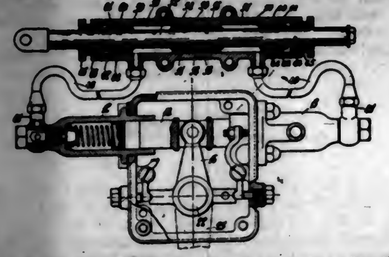
1. As a new article of manufacture, a hollow, flattened piece of light metal having a portion extruded and bent upwardly to form a detent, the hollow portion being adapted to receive substantially parallel bights of flexible material, such as a loop in a fishing line, said extruded and bent portion being adapted to receive the loop of said flexible member carrying the loop of another flexible member, such as the standing-line of a fish-hook.

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2,119,419
**LOCKING MEANS FOR FLUID MOTORS**
Edward Claude Shakespeare Clench, Leamington Spa, England, assignor to Automotive Products Company Limited, London, England
Original application August 29, 1935, Serial No. 38,468. Divided and this application May 19, 1936, Serial No. 80,643. In Great Britain September 5, 1934
7 Claims. (Cl. 121—40)

1. For a liquid pressure remote control system, a motor unit comprising a cylinder, a main piston dividing said cylinder into two working spaces, an auxiliary piston within said cylinder, locking means associated with the auxiliary piston and adapted to lock the piston rod relatively to the cylinder in any position, said aux-

iliary piston first being moved by liquid forced into the cylinder, thus releasing the locking means



and enabling the main piston to move under the influence of the liquid.

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2,119,420
**METHOD OF MAKING FITTINGS**
Charles H. Crawley, Lakewood, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Original application March 18, 1933, Serial No. 661,549, now Patent No. 2,017,812, dated October 15, 1935. Divided and this application September 13, 1935, Serial No. 40,459
3 Claims. (Cl. 29—157)



1. A method of making fittings including the steps of forming bar stock in T-shaped cross section, cutting off the stock to form a blank having a shank and an enlarged end portion, forming a recess in said enlarged end having an axis substantially perpendicular to the axis of said shank, forming a cylindrical opening in the other end of the shank and having an axis substantially parallel to the axis of the recess and perpendicular to the shank, and drilling a communicating passageway through said shank extending only from said opening to said recess.

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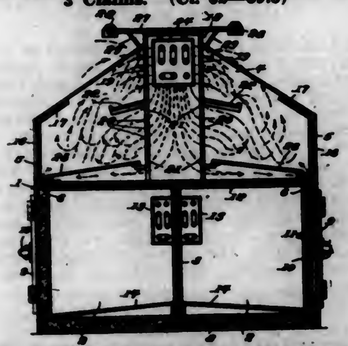
2,119,421
**ELECTRIC COOKING UTENSIL**
James R. Cross, St. Petersburg, Fla.
Application January 22, 1937, Serial No. 121,880
9 Claims. (Cl. 219—44)



1. An electric cooking utensil having inner and outer walls and a heating element disposed beneath the bottom of the inner wall, a separate heat reflecting member overlying the bottom of the outer wall beneath said heating element, there being a space formed between the heating element and reflector and said space extending upwardly around the sides of the inner wall of the utensil to thereby provide a heating chamber around said latter wall.

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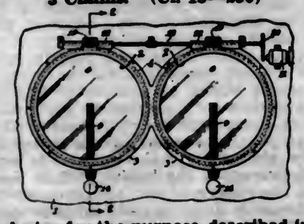
2,119,422
**REFRIGERATOR FOR DELICATESSENS**
William E. Cruse, Louisville, Ky.
Application January 26, 1937, Serial No. 122,442
3 Claims. (Cl. 62—89.5)



1. A refrigerator including a lower construction having chilling compartments, an upper structure supported by the lower construction and including end and side walls, a casing supported by the lower construction and connecting the end walls and spaced from said side walls to provide chilling chambers, said side walls terminating in a plane below the upper end of the casing and spaced therefrom to provide entrances for said chilling chambers, a chilling unit in said casing and the latter having openings in opposite walls to permit chilled air to circulate from within the casing to said chambers and from the latter back into said casing, article supporting shelves carried by said opposite walls of the casing and arranged in the chilling chambers with some of the openings of the casing arranged in a plane thereabove and other openings arranged in a plane below said shelves, and shelves supported by said opposite walls of the casing and the lower construction and spaced therefrom to provide air passages thereunder opening to said chilling chambers, said opposite walls of the casing having slots to admit from the casing chilled air to said passages.

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2,119,423
**WINDSHIELD**
Mark A. Defibaugh, Lake Orion, Mich.
Application December 18, 1935, Serial No. 54,968
3 Claims. (Cl. 15—250)



2. A device for the purpose described including a body member having a circular opening, a



frame, a ring gear mounted on said frame for rotation about said opening, a glass disk mounted in said ring gear to close said opening, a driving gear mounted in bearings at one side of said opening and in mesh with said ring gear, and means on said frame for pivotally supporting said frame to swing toward and from said opening with said driving gear maintained in mesh with said ring gear.

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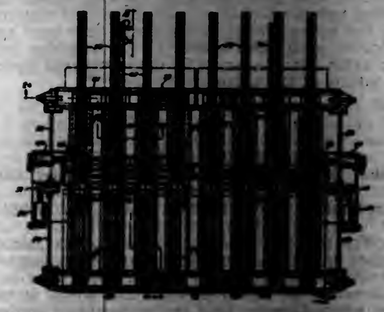
2,119,424
**METHOD OF CHARGING FURNACES**
Paul H. Douglas and John F. Rogers, Cleveland Heights, Ohio, assignors to The Wellman Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application June 21, 1935, Serial No. 27,779
4 Claims. (Cl. 214—152)



1. The method of charging an open hearth furnace with scrap metal comprising arranging the scrap metal on a flexible support in a layer having substantially the plan dimensions the charge is to have when deposited on the furnace hearth, introducing the support into the furnace, and then maintaining the outer end of the flexible support substantially stationary while the inner end thereof is withdrawn and thereby progressively and uniformly depositing said layer of scrap metal on the furnace hearth.

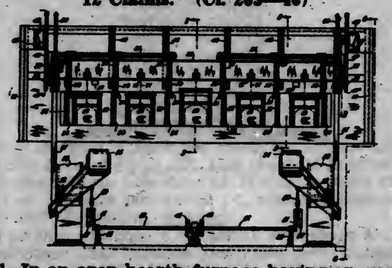
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2,119,425
**CHARGING MACHINE FOR OPEN HEARTH FURNACES AND THE LIKE**
Paul H. Douglas and John F. Rogers, Cleveland Heights, Ohio, assignors to The Wellman Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application August 20, 1935, Serial No. 36,990
26 Claims. (Cl. 214—30)



1. A charging machine for charging open hearth furnaces and the like comprising a substantially horizontally extending wheeled frame adapted to be moved along a trackway in front of a furnace, and a platform movable over the frame in a direction substantially normal to the direction of movement of said frame, said platform including a plurality of parallel independently supported beams disposed in a substantially horizontal plane and being provided at the front with means for receiving and supporting a receptacle filled with the material to be charged into the furnace.

2,119,426
**FURNACE CONSTRUCTION**
Paul H. Douglas and John F. Rogers, Cleveland Heights, Ohio, assignors to The Wellman Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application September 13, 1935, Serial No. 40,458
12 Claims. (Cl. 263—46)



1. In an open hearth furnace having an opening at the front thereof corresponding substantially with the length of the hearth, a front movable as a single unit to open or close substantially the entire front opening, a beam extending transversely above said front opening, parallel motion linkage carried by said beam and having operative connection with said front, and means for actuating said linkage to shift said front into or out of said opening by substantially parallel movement.

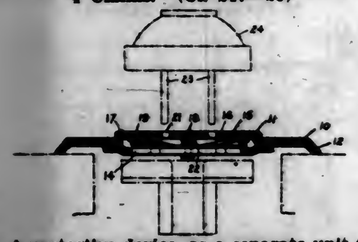
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2,119,427
**IRONING BOARD COVER**
Fred R. Edwards, Sr., Detroit, Mich.
Application October 27, 1936, Serial No. 107,886
2 Claims. (Cl. 38—140)



1. An ironing board cover comprising a blank of material tapered toward one end, a hem formed on the tapered end, a drawstring trained through the hem, eyelets on both sides of the cover, a single eyelet at the center of the end of the cover opposite the hem, the drawstring being laced through the side eyelets nearest the drawstring, the cover being adapted to be folded at the hemmed end and overlapped over the small end of an ironing board, the drawstring then being adapted to be laced through the side eyelets and crossed upon itself between the side eyelets, the wide end of the cover being adapted to be folded upon the ironing board, the ends of the drawstring being then adapted to be passed through the center eyelet and thence through the eyelets at the folded wide end of the cover and thence back toward the center eyelet and knotted to secure the cover snugly in place against slipping.

**2,119,428**
**PROTECTIVE ELECTRICAL RECEPTACLE PLATE**
Lillian G. Englar, Crestwood, N. Y.
Application December 14, 1934, Serial No. 757,597
Renewed September 9, 1936
4 Claims. (Cl. 247—23)



1. A protective device, as a separate unit to be mounted over electrical outlets; said protective device consisting of a rotatable insulated disc of sufficient size to cover surface area of electrical outlet unit; said disc having plug openings, adapted by a turning movement to be brought into alignment with fixed electrical contact chambers in the usual electric outlet; an axis or pin on which said disc may rotate; yieldable blocking and locking means between said rotatable disc and surface area of electric outlet unit, to definitely lock said disc, said locking means being yieldable only by the pressure of simultaneous insertion of both prongs of a standard electric plug; means to automatically return said rotatable disc into normal locked position when standard electric plug prongs are removed from contact chambers, definitely closing said electric contact chambers when not in use.

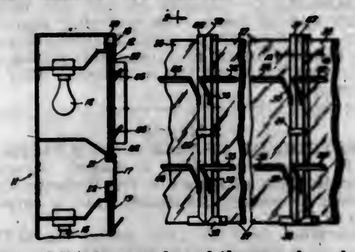
**2,119,429**
**PROTECTIVE BEADING FOR MOTOR CAR FENDERS**
Hardy L. Fletcher, Toronto, Ontario, Canada
Application May 8, 1937, Serial No. 141,399
5 Claims. (Cl. 220—152)



5. A protective beading for the outer marginal edge of a fender of the type flanged to form a water channel presenting a free edge extremity, comprising a flexible resilient strip of rubber formed to embracingly interlock with the flanged marginal portions of the fender and being longitudinally grooved to receive the actual terminal edge extremity of the flange formation in an embedded watershed sealing manner.

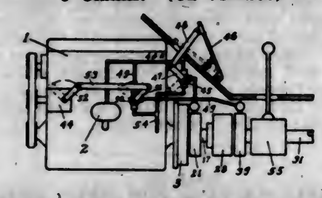
**2,119,430**
**DISPLAY DEVICE**
Fred G. Garner and George A. Auer, Chicago, Ill., assignors to Wagner Sign Service, Inc., Chicago, Ill., a corporation of Illinois
Application March 12, 1937, Serial No. 130,567
17 Claims. (Cl. 40—140)

16. In a display sign, a combination display panel, panel carrier, and letter mounting arrangement, comprising a glass panel, channel members attached to the edge of the panel at opposite sides thereof and embracing at least a



portion of the lower edge of the panel, and cross members connecting said channel members and extending in front of said panel across the face thereof.

**2,119,431**
**POWER TRANSMISSION MECHANISM**
Dewey E. Gemmel, Indianapolis, Ind.
Application September 16, 1935, Serial No. 40,776
6 Claims. (Cl. 74—200)



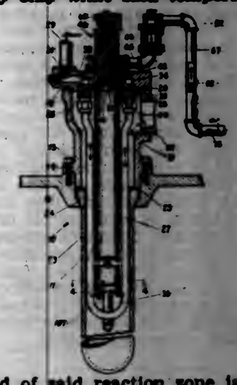
1. The combination with a motor, a fly wheel structure, and a driving shaft, of a planetary power transmission mechanism disposed between said fly wheel structure and said driving shaft, said transmission mechanism comprising a planetary clutch driving gear unit and a planetary over-drive gear unit connected together, and manually and automatically operated means operating independently of each other for controlling the operation of said driving gear unit and overdrive gear unit respectively, whereby four gear ratio changes may be made without losing the torque of the motor.

**2,119,432**
**OIL GAS GENERATING PROCESS**
Walter B. Harris, Bayside, Long Island City, N. Y.
Application July 22, 1935, Serial No. 32,524
2 Claims. (Cl. 48—214)

1. The process of manufacturing oil gas, which consists in first superheating steam separately and while out of contact with hydrocarbon to a temperature at which substantially all of it will react when brought into the presence of hydrocarbon, in continuously conducting said superheated steam directly into a reaction zone, in heating said reaction zone to cause its interior to be at the temperature of said superheated steam, in causing said superheated steam to continuously inject at high velocity a relatively proportioned quantity of unvaporised hydrocarbon oil in an unobstructed path after leaving the injection nozzle into said reaction zone, said oil flowing only concurrently with the flow of said superheated steam, in continuously regulating the temperature within said reaction zone and maintaining said temperature above 1900° F., said oil

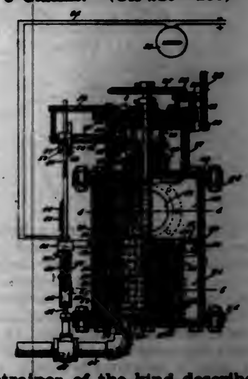


gas making reaction taking place substantially completely only while said temperature of said



steam and of said reaction zone is maintained above 1900° F.

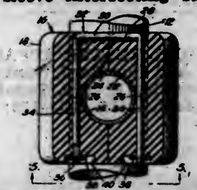
**2,119,433**
**AUTOMATIC FLUID STRAINER**
Thomas E. Haught, Beldman, Ky.
Application November 25, 1936, Serial No. 112,775
3 Claims. (Cl. 210—167)



1. In a strainer of the kind described, a fluid flow means, a rotatable strainer intersecting the flow means and having a portion shut off therefrom, a drain communicating with the shut off portion, a valve normally closing the drain, means operatively associated with the valve and strainer for opening and closing said valve and active for holding the latter open during the rotation of the strainer, an electric motor driving the strainer for opening the shut off portion thereof to the fluid flow means, a pressure operated switch controlling the motor and regulated by pressure in the flow means, and a latch coacting with the switch to hold the latter closed for the operation of the motor until full pressure has been established in the fluid flow means and thereafter until the cycle of operation is complete.

**2,119,434**
**BUMPER**
Barthold Henken, Chicago, Ill.
Application April 5, 1937, Serial No. 135,132
3 Claims. (Cl. 46—157)

1. A bumper for furniture including two structural members arranged in angular relation, a bumper comprising a split sleeve having an inside diameter for the reception of one of said members, said sleeve having a bore in its wall for the reception of the other of said members, the slot in the sleeve intersecting said bore, and



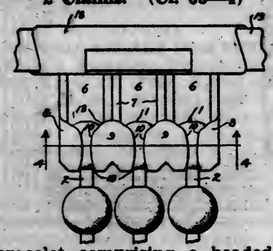
means associated with the sleeve to prevent separation thereof at its slot, said means comprising a U-shaped clip imbedded in the sleeve with the legs of the clip positioned on opposite sides of said last mentioned member.

**2,119,435**
**RECEPTACLE**
Edwin J. Hutchison, Barnesville, Ohio
Application April 13, 1936, Serial No. 74,191
1 Claim. (Cl. 229—23)



A box comprising a body including inner and outer sections separable from one another and each foldable, said inner section including a bottom wall providing a bottom for said body and side walls integral with the bottom wall and foldable relative thereto, said outer section including integrally connected side walls adapted to fit over the side walls of the inner section and cooperate therewith in forming end, front and rear walls to the body, said side walls of the outer section being foldable relative to each other, a cover hinged on one of the walls of the outer section to provide a closure for the body, and a covering placed over the cover and the outer section and secured to said cover and outer section to hinge the cover to the outer section and to retain the walls of the outer section assembled with the inner section removable from the outer section.

**2,119,436**
**WRIST WATCH BRACELET**
Max Lauff, Detroit, Mich.
Application July 2, 1936, Serial No. 88,629
2 Claims. (Cl. 63—4)

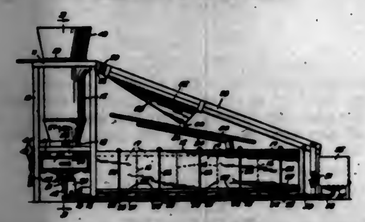


1. A bracelet comprising a beaded chain, a stamped metal end anchor shaped to form a

trough with spaced cheeks overlying the same, the end bead being received on the bottom of said trough and beneath said cheeks, said cheeks exerting spring pressure on said bead against said bottom.

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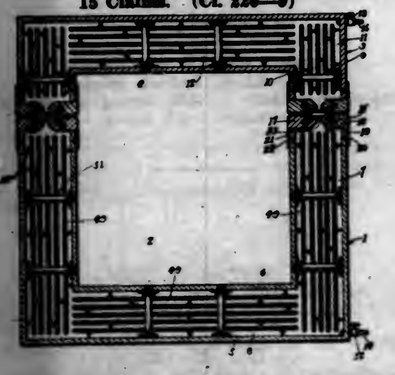
2,119,437
**MECHANICAL TESTER APPARATUS**
Clem Miller and Gar Boyd, Nanticoke, Pa.
Application November 6, 1936, Serial No. 109,570
1 Claim. (Cl. 209—173)



In a machine of the character described having an acid mix trough provided with a bank of compartments for containing varying specific gravity acid mix, a vertically swinging inclined chute superposed relative to said trough and coextensive with the length of the latter, a funnel formed with said chute and arranged remote from the lowermost portion of said chute, means connected with said chute for varying the inclination thereof, a tubular nipple depending from the funnel at the lowermost point thereof, a faucet having a straight major portion provided with an elongated slot receiving said nipple, a coupling collar fitting said nipple and holding the straight portions of the faucet connected with each other for displacement of the said faucet for discharge therefrom in selected compartments in the trough, a separating tank having communication with the uppermost end of said chute, means for supplying liquid to the separating tank for the passage of said liquid onto the inclined chute, and a cover piece fitted with the nipple and covering the slot in the said faucet.

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2,119,438
**VACUUM WALL RECEPTACLE**
William C. O'Leary, Washington, D. C.
Application November 28, 1933, Serial No. 700,143
Renewed May 12, 1937
15 Claims. (Cl. 220—9)



1. In a vacuum wall receptacle, an open top chamber surrounded by a hollow space having opposed walls and open at its edge, bracing rods affixed to one of said walls and making pressure contact with the other for fixing said opposed walls rigidly in position, a heat insulating body arranged in said hollow space and having holes for the passage of said bracing rods, a flange structure providing a continuous narrow open edge for said hollow space and a sealing strip of very low heat conductivity for closing said narrow open edge, the central part of said sealing strip seated in a continuous shallow depression crossing said open edge and the side parts of said sealing strip extending into continuous grooves on each side of said central depression, said grooves extending obliquely downward and outward in said flanges, a sealing element within said grooves for binding and sealing said sealing strip, said hollow space when exhausted of air becoming a vacuum space having opposed walls, said opposed walls forming a vacuum wall surrounding said open top chamber.

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2,119,439
**FACE PROTECTOR**
Albert H. Parmelee, Wenatchee, Wash.
Application May 10, 1937, Serial No. 141,768
2 Claims. (Cl. 2—8)



1. A face protector comprising a head supporting harness including a brow band adapted to be positioned about the brow and above the eyes of a wearer, a frame defining a vision area and having upper and lower guide members and end members, said upper guide member contactually secured to said band and supported thereby, said end members connecting said guide members together in spaced relation whereby to position said lower guide member below the eyes of the wearer, a magazine attached to one end of said frame, flexible transparent material carried by said magazine and extending within said guide members in front of the eyes to act as a protector therefor, said material movable lengthwise of said frame for presenting a clear vision area thereof in front of said eyes, a knife attached to the opposite end of said frame whereby material having a clouded area drawn from in front of said eyes may be severed.

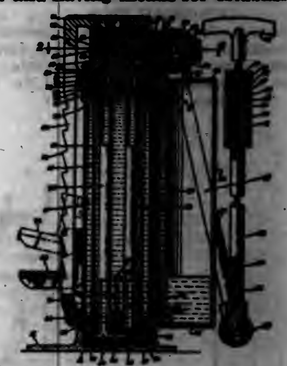
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2,119,440
**HYDRAULIC JACK**
Timothy C. Pomeroy, Long Beach, Calif.
Application December 23, 1935, Serial No. 55,874
6 Claims. (Cl. 60—52)

1. In a hydraulic jack, a cylinder, a hollow plunger therein having means at its upper end for engaging an object to be lifted, a head at the lower end of the plunger engaging the wall of the cylinder, an inelastic fluid in the cylinder and plunger, means for circulating said fluid to operate the plunger, and an expansion tank



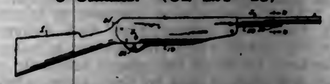
mounted in fixed relation with respect to the cylinder and having means for establishing com-



munication between the lower end thereof and the upper portion of the cylinder.

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2,119,441
**RIFLE**
Nathan H. Price, Birmingham, Ala., assignor of one-half to Mrs. Alexander Schoettlin, Birmingham, Ala.
Application November 17, 1936, Serial No. 111,303
3 Claims. (Cl. 124—13)

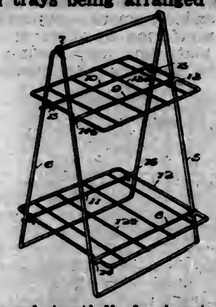


1. A rifle including a stock and a barrel having a bore, a breech block pivoted to the stock and having an air chamber and a passage communicating with the latter and opening outwardly through one face of the block and capable of moving into and out of registration with the barrel, a valve for controlling said air passage, a magazine carried by the barrel containing shot said block adapted to be moved to a position to register said passage with said magazine whereby to receive a shot from said magazine, and moved to another position to register said passage with the bore of the barrel whereby said shot is adapted to be discharged through said barrel, a cylinder secured to the block and movable therewith, a piston operating in said cylinder, a hand lever for operating the piston and acting as a trigger guard, and for reciprocating the piston and imparting a pivotal movement to the block, and a trigger for operating the valve.

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2,119,442
**DISPLAY RACK**
Harry C. Robinson, Chattanooga, Tenn.
Application December 11, 1936, Serial No. 115,423
6 Claims. (Cl. 211—181)

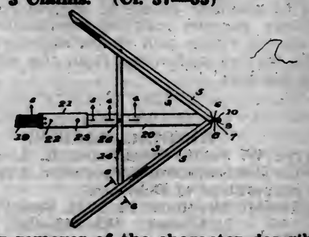
1. A rack for display and like purposes comprising a pair of hinged wire leg frames which when unfolded define an inverted substantially V-shaped supporting structure, tray supporting and leg reinforcing cross bars connected at their opposite ends to the upright wire legs at the sides of each leg frame and arranged in substantial alignment transversely of the rack, foldable wire trays having hinged connection with the cross bars of one leg frame and spanning the space between the frames when the latter are spread apart and adapted to rest on the aligned cross bar of the other leg frame, and catch members connected to said trays adapted to engage the said last-named bars and hold the trays and legs in set-up position, the catches of one of said trays being arranged to engage its



coacting bar substantially horizontally and those of another of said trays being arranged to engage its coacting bar substantially vertically to thereby coact to brace the rack against both vertical and lateral stresses.

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2,119,443
**SNOW REMOVER**
Caleb D. Rogers, Ellicott City, Md.
Application July 3, 1936, Serial No. 88,879
3 Claims. (Cl. 37—53)



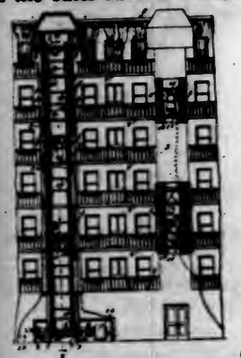
3. A snow remover of the character described including a pair of blades extending at an angle one relative to the other, means for detachably connecting the blades at their forward ends, a brace extending between and detachably connected to the blades, said brace having an opening intermediate its ends and furthermore provided with a flange along its upper edge, a handle extending through the opening in the brace and beneath said flange, and means for detachably connecting the handle to the brace and to the blades at their connected ends, said means for connecting the handle to the brace extending through the flange thereof.

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2,119,444
**SAFETY FIRE ESCAPE FOR BUILDINGS**
Antonino Sampieri, Pittsburgh, Pa.
Application April 27, 1937, Serial No. 139,269
1 Claim. (Cl. 227—28)

A fire escape of the class described, comprising, in combination, a building, a plurality of longitudinally extending balconies secured on said building one above the other, a plurality of enclosed vertically extending shafts without said building and intersecting said balconies, a pair of endless sprocket chains extending substantially the full length of each of said shafts, means for mounting said sprocket chains for movement in either direction, an operating means connected

to said first mentioned means, a plurality of flights connecting each pair of sprocket chains together and said pairs of sprocket chains each including inner and outer runs traveling in opposite directions, platforms hinged to certain of said flights, flexible elements connecting the free ends of said platforms to other of said flights whereby the platforms may assume horizontal positions on the outer runs to transport persons



and fold in parallelism on the inner runs, and doors effecting communication from the balconies to the respective shafts and arranged to permit access to the horizontally extending platforms and to preclude access to the folded platforms whereby persons may be transported on said platforms within said shafts adjacent the outer walls thereof and away from the outer wall of said building.

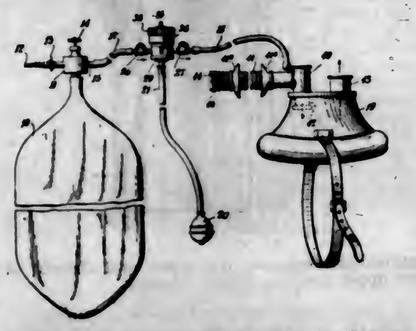
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2,119,445
**WINDING MACHINE**
George W. Scott, Providence, R. I., assignor to Tobe Deutschmann Corporation, Canton, Mass., a corporation of Delaware
Application December 13, 1934, Serial No. 757,350
13 Claims. (Cl. 242—56)



1. In a machine for automatically making condenser windings, means for feeding the paper and foil including shuttle means formed of spring metal in which paper and foil are advanced, a mandrel, clamping means positioned below said mandrel and in line with said shuttle for grasping the paper and foil in said shuttle, said mandrel being split and means for opening and closing the same to hold and turn said paper and foil.

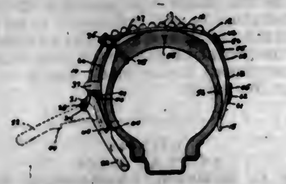
2,119,446
**SELF ADMINISTRATION OF GASEOUS ANESTHETICS**
Justin G. Sheiss, Cleveland, Ohio, assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 11, 1936, Serial No. 115,327
9 Claims. (Cl. 128—203)



2. Apparatus for the administration of an anesthetic, comprising, in combination, a source of anesthetic gas, a gas pump connected with said source for intermittent operation to receive gas therefrom, pneumatic means adapted to be operated by the patient for actuating the pump, an inhaling mask for the patient, a reservoir connected with the mask and adapted to receive air directly from the atmosphere and deliver the same to the mask when the patient inhales, and a connection between the pump and said reservoir for delivery of gas to the latter when the pump is actuated whereby the patient when inhaling receives a mixture of air from the atmosphere and gas from the pump.

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2,119,447
**EMERGENCY ANTISKID DEVICE**
Frank E. Stahl, Tonawanda, and Raymond J. Kieffer, Getzville, N. Y., assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application August 18, 1934, Serial No. 740,522
8 Claims. (Cl. 152—225)



1. An anti-skid device comprising an anti-skid member having a body, said body being formed with two flexible side arms, and a flexible tread portion connecting such side arms, one of said arms being engageable with the side wall of the tire, a clamp arm arranged adjacent the other side arm and formed in its lower edge with a slot, and a clamping lever pivotally carried by the last mentioned side arm, comprising a cam portion and a detent lug, both engageable with the curved surface of the clamp arm, said clamping lever being disposed in the slot of the clamp arm when the clamping lever is in its clamping position.



2,119,448
**FITTING**
Henry D. Stecher, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application December 23, 1935, Serial No. 55,701
3 Claims. (Cl. 285—207)



1. A fitting having end portions and an elongated intermediate shank portion, openings in said end portions extending substantially transversely of the axis of said shank portion, an interconnecting passageway extending between said openings, the axis of said passageway being straight throughout the major portion of its length and being curved or bent adjacent the remainder thereof.

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2,119,449
**BRIER AND WEED HOOK**
Thomas J. Stump, Ashland City, Tenn.
Application November 28, 1936, Serial No. 113,214
3 Claims. (Cl. 30—318)

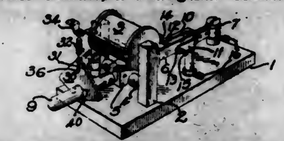


1. A cutter of the character described, comprising a handle having a blade extending laterally from an end thereof, approximately at an obtuse angle to said handle, means for securing said blade to the handle, and an approximately straight auxiliary blade extending between the first-mentioned blade and the handle and being secured to both at the ends of said auxiliary blade, the point of securing of the auxiliary blade to the first-mentioned blade being intermediate the free end of said first-mentioned blade and the fastening means thereof for bracing said first-mentioned blade.

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2,119,450
**HOLDING SWITCH**
Wagn Trautner, Springdale, Ohio, assignor, by mesne assignments, to E. H. Kneffer
Application June 28, 1937, Serial No. 150,787
7 Claims. (Cl. 200—87)

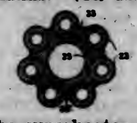
1. A holding switch for alternatively closing two circuits comprising a central resilient arm, a stationary contact on each side of said arm and connected to one of said circuits, contacts on said arm cooperating with said stationary contacts to close one of said circuits when said arm is moved from central position, an electromagnet positioned with opposed poles on each side of said arm, an armature on said arm cooperating with said poles to hold said arm in circuit closing position when said electromagnet is energized, a face plate having a slot therein through which said arm extends, said slot being dimensioned to allow movement of said arm to close either circuit, a triangular centering plate



in contact with said face plate and pivoted near the apex thereof, the base of said centering plate having a notch to allow passage of said arm, the side portions of said centering plate covering said slot apart from said notch, and resilient means attached to said centering plate for lining up said arm in central position when said electromagnet is de-energized.

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2,119,451
**SUPERHEATING APPARATUS**
Charles S. Turner, Detroit, Mich.
Application June 29, 1936, Serial No. 87,836
18 Claims. (Cl. 122—481)



1. A multi-tube superheater assembly adapted to be subjected to direct impingement of radiant heat, comprising a central water tube, a plurality of substantially parallel longitudinally extending rib portions integral with and projecting radially from its exterior wall, a plurality of longitudinally extending steam tubes grouped about the water tube, one arranged in the channel formed between each pair of adjacent rib portions, the steam tubes being spaced apart by and having their exposed surfaces welded to the peaks of the rib portions.

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2,119,452
**ELECTRIC CONNECTER**
Daniel Woodhead, Barrington, Ill.
Application October 13, 1934, Serial No. 748,251
9 Claims. (Cl. 173—358)



9. An electric connecter comprising a soft, flexible and resilient casing of insulating material, a screw threaded shell of conductive material embedded in said casing, said casing having its lower end formed with an inner annular groove of arcuate cross section and a ring of flexible, resilient material in said groove and resiliently retained therein, said resilient ring being squeezed between the body of the casing at the groove and a lamp base when a lamp is screwed in position in the shell.

2,119,453
**SHOCK ABSORBER**
Joseph Cecentino, Clarksburg, W. Va.
Application February 24, 1937, Serial No. 127,512
2 Claims. (Cl. 267—8)



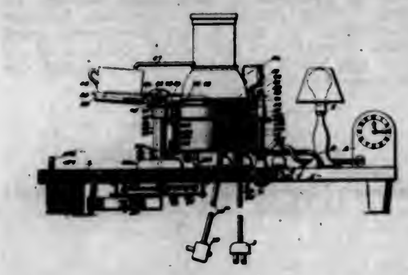
1. In a shock absorber, a fluid reservoir, a pair of parallel cylinders opening at one end into the reservoir to receive fluid from the reservoir, a chamber below the reservoir intermediate said cylinders and having at one end a passage connecting the chamber with the reservoir, ports at opposite sides of the chamber connecting the chamber with the respective cylinders, check valves arranged in said cylinders at the last mentioned end of the latter, a pressure responsive valve operating in said chamber for controlling the return flow of liquid from the cylinders back to the reservoir, pistons mounted for reciprocation in said cylinders and respectively provided with a fluid passage therethrough and a check valve confined within said passage, a rocker arm pivotally mounted within said reservoir and having its respective opposite ends engaging said pistons, and springs arranged in the cylinders between the first mentioned check valves and said pistons and normally urging the pistons in one direction to yieldably engage the ends of the rocker arm.

2,119,454
**TURPENTINE WORKER'S TOOL**
John M. Council, Wanamish, N. C.
Application July 7, 1937, Serial No. 152,459
3 Claims. (Cl. 30—121)



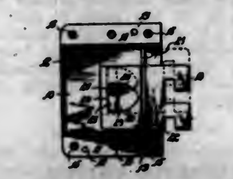
1. A turpentine worker's tool comprising a staff, a shank secured to said staff and provided with a recess, an undercut V-shaped finger at one end of the recess, a shoulder at the opposite end of said recess and having a beveled notch, a threaded bolt projecting from the recess at the notch, a blade extending transversely of the shank and having a body portion received by the recess, said body portion having a beveled notch received by the undercut finger and a second beveled notch facing the notch in the shoulder, and clamping means on the bolt and received by the first and last-mentioned notches for removably attaching the blade to the shank.

2,119,455
**MEAL PREPARING APPARATUS**
José de Ayala, San Juan, P. R.
Application December 31, 1935, Serial No. 57,055
25 Claims. (Cl. 219—19)



1. Meal preparing apparatus comprising a plurality of receptacles for a variety of comestibles in a state of partial preparation, a heater situated intermediately of the receptacles, a heat source for the heater, control mechanism to control the heat source having means which is set by choice to initiate the operation of said heat source at a given time and automatically stop said operation after a time-period has elapsed, and means in original equilibrium which carries one of the receptacles, said means being thrown out of equilibrium as the result of the heat from the heater on its contents to shift said means to remove its receptacle from proximity to the heater.

2,119,456
**DOOR LOCK**
Charles A. Dies, Chicago, Ill.
Application February 10, 1937, Serial No. 125,142
3 Claims. (Cl. 70—129)



1. A door lock comprising a casing, a vertical spline on one of the plates thereof, a latch plate slidable vertically in the casing and having vertical grooves in opposite sides thereof cooperating with the spline for adapting said latch plate to be reversed in the casing to accommodate doors opening to the right or left, hook-shaped members projecting from the latch plate beyond the casing for engagement with a keeper plate, an opening in the center of the latch plate, and a turnable element having a lug working in the opening to engage the upper and lower edges of said opening for raising and lowering the latch plate coacting to hold the latter in the respective positions thereof.



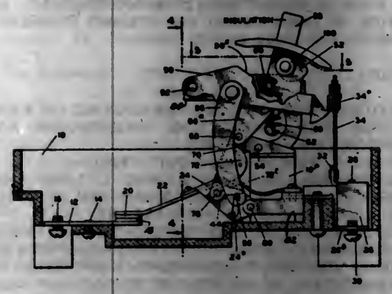
2,119,457
**BELT DRESSING FOR MACHINERY OR LIKE**
Henry Vincent Dyke, Auckland, New Zealand
No Drawing. Application June 2, 1936, Serial No. 83,163. In New Zealand July 12, 1935
5 Claims. (Cl. 134—17)

4. A method of making belt dressing comprising slowly adding a quantity of sharply grated hardest grade sole leather to an ammoniacal treating agent adapted to attack and pulp the leather, then adding latex that will prevent the action of an ammoniacal treating agent on the leather, and finally adding a further quantity of sharply grated hardest grade sole leather so that the latter will be substantially unaffected by the action of the pulping agent.

2,119,458
**PROCESS FOR PROTECTING MATERIAL EMPLOYING PESTPROOFING MEDIA AND MATERIAL SO PROTECTED**
Dalton B. Faleon, Beacon, and Roland M. Whittaker, New York, N. Y., assignors to Hammond Paint & Chemical Co., Inc., Beacon, N. Y., a corporation of New York
No Drawing. Application December 16, 1935, Serial No. 54,786
5 Claims. (Cl. 21—4)

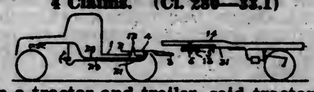
1. The steps in the process of protecting material such as wool, furs and floor coverings, against attack by insects and their larvae which comprise treating said material with an aqueous solution of calcium selenate, and treating said material with an aqueous solution of an alkaline-earth fluoride.

2,119,459
**ELECTRIC CIRCUIT BREAKER WITH OVERLOAD RELEASE**
Monroe Guett, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application April 27, 1936, Serial No. 76,691
25 Claims. (Cl. 200—116)



1. In an overload circuit breaker, a fixed contact, a movable contact mounted for movement about a fixed pivot, manually controlled snapping mechanism including a spring for operating said movable contact, overload mechanism for causing movement of said movable contact with a snap, said overload mechanism being operable while said manual snapping spring remains stationary.

2,119,460
**SEMITRAILER FIFTH WHEEL BRAKE AND ELECTRIC CONNECTION**
William S. Gurten, Joseph Flint, and Herman Nyberg, Kitchener, Ontario, Canada, assignors to Dominion Truck Equipment Co., Limited, Kitchener, Ontario, Canada
Application May 12, 1936, Serial No. 79,562
In Canada May 14, 1935
4 Claims. (Cl. 280—33.1)

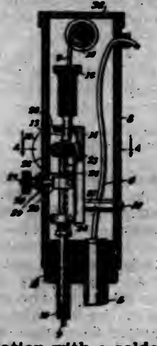


1. In a tractor and trailer, said tractor having a bearing plate, a spring-cushioned buffer bar extending transversely of the tractor above the bearing plate and mounted for fore and aft cushioned displacement, a bearing plate mounted on the trailer and engaging said buffer bar to tension the spring means thereof as said plates move into coupling relation, means for locking said plates in tractor and trailer coupling relation, and control systems carried respectively by the tractor and trailer to be connected and disconnected on the coupling and uncoupling of the tractor and trailer; detachable connection means forming terminals of said respective systems fixedly mounted respectively on said spring-mounted buffer bar and said trailer bearing plate and engageable to connect said respective systems only on the displacement of said buffer bar whereby the tension set up in the spring cushioning means thereof serves to resiliently hold said detachable means in connecting relation.

2,119,461
**PROCESS OF TREATING CREAM FOR BUTTER MAKING**
Harold Eugene Kistner, Sabetha, Kans.
No Drawing. Application July 31, 1934, Serial No. 737,812
2 Claims. (Cl. 99—60)

2. A process of treating cream for butter making which includes subjecting the cream, in the presence of finely divided platinum as a catalyst, to the action of carbon dioxide to thereby effect the bleaching of the carotin in the cream.

2,119,462
**SOLDERING IRON**
Fred F. Kull, Asteria, and Paul L. Messer, North Jackson Heights, N. Y.
Application May 17, 1937, Serial No. 143,058
3 Claims. (Cl. 113—109)



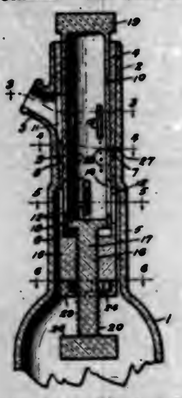
1. In combination with a soldering iron having a heated point and a tubular handle casing,

means for mounting a supply of solder strip in the end of the handle casing, separated but substantially aligned rigid guides for the solder strip, solder gripping and feeding means between the separated portions of the fixed guides, a flexible guide between the supply of solder and the first fixed guide and a disconnectible guide extending from the second fixed guide to a point adjacent the heated point of the soldering iron and in which the separated fixed guides, the flexible tubular guide and the feed means are all mounted in a single frame and releasable means are provided for detachably securing said frame within the handle casing.

### 2,119,463
### NONREEMPTYING BOTTLE

Lester L. Lewis, Cabot, Pa., assignor to Lewrich Receptacle Corporation of Pennsylvania, Pittsburgh, Pa.

Application August 12, 1937, Serial No. 158,789
2 Claims. (Cl. 215—13)



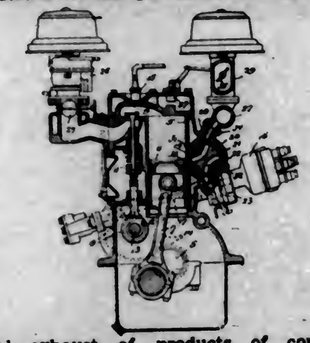
1. The combination with a receptacle having an intake and a discharge orifice, of a valve casing fixed in said receptacle, a valve rotatable in said casing and having intake and discharge ports adapted to be brought alternately into communication with the interior of the receptacle and with the exterior thereof and located to avoid both communications at any time, a stem projecting from said valve and screw-threaded through a portion of said casing, the stem having longitudinal grooves across the threads thereof, a pawl pivoted to the casing and resiliently stressed into engagement with the notches formed by the intersection of the threads with said grooves, and a stop at the free end of the stem, to limit the total possible movement of said valve in the direction permitted by the action of the pawl.

### 2,119,464
### INTERNAL COMBUSTION ENGINE

Joseph A. Litzler, Enid, Okla.

Application December 28, 1936, Serial No. 117,990
3 Claims. (Cl. 123—76)

1. In a four cycle internal combustion engine, a cylinder, a piston working in said cylinder, said cylinder having a single port arranged to be uncovered on the inside of the cylinder by said piston at the end of the instroke of said piston, a rotary valve arranged to control said port on the outside of said cylinder, and mechanism operated by said piston for rotating said valve to admit air at atmospheric pressure through said port to said cylinder directly above and at the end of the intake stroke of the piston, and for permitting



partial exhaust of products of combustion through said port from the cylinder at the end of the power stroke of said piston.

### 2,119,465
### METHOD OF MANUFACTURING COMMERCIAL RUBBER TUBES OR FABRIC HOSE

Arnold Meyer, Harburg-Wilhelmsburg, Germany, assignor to the firm Harburger Gummiwaren-Fabrik Phoenix Aktiengesellschaft, Harburg-Wilhelmsburg, Germany

Application April 27, 1935, Serial No. 18,659
In Germany December 16, 1933
4 Claims. (Cl. 154—8)



1. A method of manufacturing rubber tubes having fabric coverings comprising filling a rubber tube with an inert fluid at approximately atmospheric pressure, applying pressure to said tube along at least one line parallel to the longitudinal axis of said tube to partially collapse said tube, applying a fabric covering to the surface of the tube at right angles to the axis thereof while in its partially collapsed condition, applying an outer rubber coating and finally vulcanizing the tube in the open.

### 2,119,466
### PROCESS FOR THE MANUFACTURE OF UREA AND FORMALDEHYDE VARNISHES AND PRODUCT OBTAINED

Paul Michaut, Paris, France

No Drawing. Application May 1, 1936, Serial No. 77,455. In France September 25, 1935
3 Claims. (Cl. 134—26)

1. A process for the manufacture of varnish having a urea-formaldehyde base, comprising admixing urea and formaldehyde, neutralizing the formaldehyde by addition of a substance capable of fixing any free formic acid present, and then adding successively a small quantity of alcohol in order to obtain a better condensation, and means which is chemically inert under condensation conditions but is mechanically adapted to prevent the colloidal micellae from attaining too high a concentration, boiling the mixture to effect condensation of the urea and formaldehyde, separating the condensed product from said

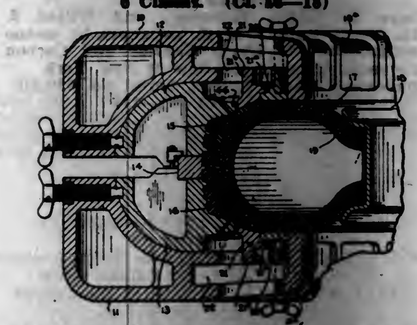


inert means, and finally, before dehydrating the mixture, adding a small quantity of acetanilide dissolved in water in order to render the mixture fluid.

### 2,119,467
### TIRE RECAPPING EQUIPMENT

Perry O. Chambers, Chicago, Ill., assignor to Safety Vulcanizer Company, Inc., Chicago, Ill., a corporation of Illinois

Application February 17, 1936, Serial No. 199,978
6 Claims. (Cl. 18—18)



6. The combination in a horizontal annular tire re-capping vulcanizer of a tread matrix for embracing the tread rubber only of a tire therein, means for applying heat to said tread matrix, means for supporting and inflating a tire therein, and side-wall engaging plates adjacent said tread matrix converging outwardly substantially to the contour of the outer portions of the side-walls of said tire for centering a tire respecting said matrix and against which side-wall engaging plates the tire is inflated during vulcanization, there being gaps between said side-wall engaging plates and said tread matrix of such width as to prevent bulging of a tire therebetween and causing said centering plates to be of substantially less temperature than the tread matrix but yet sufficiently hot to cause some softening of the rubber of the tire adjacent the tread to permit readjustment in the carcass of the tire to the newly applied tread.

### 2,119,468
### FABRIC AND YARN THEREFOR

Charles P. Coulter, Jr., Great Neck, N. Y., assignor to Nufibre Corporation, New York, N. Y.

No Drawing. Application February 7, 1938, Serial No. 189,173
4 Claims. (Cl. 117—53)

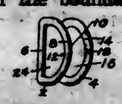
1. As a new article of manufacture, a fabric composed of composite yarn comprising cut rayon staple and vegetable staple which in its natural state is relatively long, such as flax, said initially naturally long staple being, in said yarn, in the form of cut staple, and said cut flax and cut rayon staple each being of about one and one-half inch lengths, said fabric being characterized by high resistance to creasing or wrinkling.

### 2,119,469
### BUCKLE AND SLIDE FASTENER

Allen H. Kerngood, Baltimore, Md., assignor to Alma Manufacturing Company, a corporation of Maryland

Application December 1, 1936, Serial No. 113,687
3 Claims. (Cl. 24—200)

2. A buckle comprising a front bar, a center bar and a rear bar, said bars being integral with each other, said front bar having a rear concave arcuate edge and said center bar having a front convex arcuate edge, said front arcuate edge portion of said center bar being rounded from the top to the bottom, and each of said arcuate edges forming part of the boundary of an approxi-

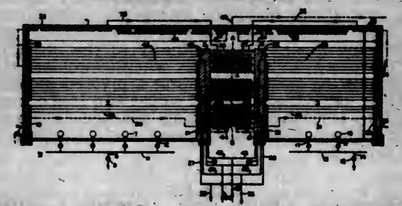


mately crescent-shaped opening between said front and center bars, and a subjacent projection on the bottom of the rear convex arcuate edge of said front bar, said projection extending substantially below the bottom of the front arcuate edge of said center bar.

### 2,119,470
### HEATING HYDROCARBON OILS

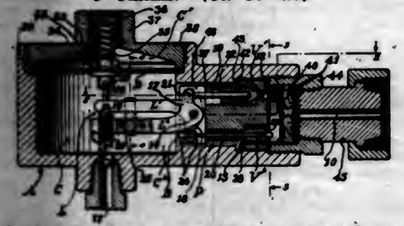
Walter E. Lobo, Westfield, N. J., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware

Application September 29, 1934, Serial No. 746,085
3 Claims. (Cl. 196—110)



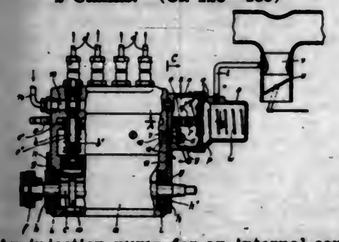
8. The method of simultaneously heating a plurality of streams of oil, in a unitary heating apparatus having separate combustion chambers defined by walls and a roof and a convection heating chamber receiving combustion gases from each of said combustion chambers, which comprises passing a stream of oil directly from a source exterior to said heating apparatus through heat absorbing tubes disposed in a lower section of one of said combustion chambers and heating said stream to an elevated temperature preponderantly by radiant heat absorbed and said tubes, passing said stream thence through heat absorbing tubes disposed in a hotter section of said convection heating chamber and heating said stream by the convection heat absorbed by said tubes, passing another stream of oil through heat absorbing tubes disposed in a lower section of another of said combustion chambers and heating said stream to an elevated temperature preponderantly by radiant heat absorbed by said tubes, passing the latter stream thence through heat absorbing tubes disposed in a hotter section of said convection heating chamber and heating said stream by the convection heat absorbed by said tubes, passing other separate streams of oil through separate heat absorbing tubes disposed in a cooler section of said convection heating chamber receiving furnace gases from said hotter section, passing one of said latter streams thence through heat absorbing tubes disposed along the side walls in an upper section of one of said combustion chambers above the bank of heat absorbing tubes in the lower section thereof while passing another of said streams through similarly disposed tubes in the other combustion chamber and heating each of such streams preponderantly by radiant heat absorbed by said tubes above the tubes in the lower part of such combustion chamber.

2,119,471
**BALANCED DOUBLE-SEATED VALVE**
William F. Messinger, Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application December 30, 1932, Serial No. 649,486
9 Claims. (Cl. 50—26)



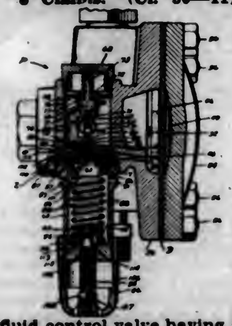
1. A casing having a fluid passage therethrough provided with a pair of ports having valve seats, valves seating in opposite directions against said valve seats and controlling the flow of fluid through said ports, means formed in said passage for guiding said valves in substantially parallel relation, and means for simultaneously operating said valves including means for transmitting to said valves components of movement of said operating means longitudinally in the direction of movement of said valves when so guided, said transmitting means including a pivoted member resting against one of said valves and free of connection therewith and being adapted to permit said guiding means to suppress lateral movements of said valves.

2,119,472
**INJECTION PUMP FOR INTERNAL COMBUSTION ENGINES**
Alfred Meyer, Max Hurst, and Friedrich Wilhelm Stockmeyer, Stuttgart, Germany, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung, a corporation of Germany
Application December 11, 1934, Serial No. 757,018
In Germany December 22, 1933
2 Claims. (Cl. 123—139)



1. An injection pump for an internal combustion engine comprising a pump casing, a plurality of pump members arranged side by side in said casing, a driving shaft for said pump members, an adjusting member mounted in said pump casing and arranged parallel with the driving shaft for varying the quantity of fuel delivered by said pump members, the resistance of said adjusting member to movement being substantially constant and independent of the quantity or pressure of the fuel delivered, a supporting plate secured on one end of said pump casing formed on its inner face as a bearing casing for said driving shaft and having on its outer face an integral annular extension, a governor casing secured to said annular extension and a diaphragm clamped between said annular extension and said governor casing, operatively connected with said adjusting member and displaceable in dependence upon the air pressure prevailing in the suction pipe of the engine to which the pump is fitted, the space between the diaphragm and said supporting plate being connected to atmosphere by means of a pair of openings in the supporting plate which are connected by a recess in the inner face of the supporting plate.

2,119,473
**PRESSURE REGULATING AND REDUCING APPARATUS**
George H. Smith, Kenmore, and Wilgot J. Jacobsen, Buffalo, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application March 2, 1933, Serial No. 659,318
8 Claims. (Cl. 50—11)



1. In a fluid control valve having a valve head, a grooved cap, and a spring within the cap for adjusting the position of the valve head the combination of a handle comprising a stem threadedly operable through the end of the cap; a cup-shaped shell secured to said stem and fitting loosely over the end of the cap; and means associated with the groove in the cap to serve to create friction between the shell and the cap when the handle is moved to change the compression of the spring.

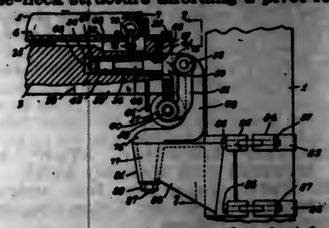
2,119,474
**PROCESS FOR THE SEPARATION OF TRIMETHYLAMINE FROM MIXTURES OF MONOMETHYLAMINE AND DIMETHYLAMINE**
Le Roy U. Spence, Cheltenham, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application January 6, 1937, Serial No. 119,199
6 Claims. (Cl. 260—127)

1. The process of separating trimethylamine from a mixture of the three methylamines which comprises passing the mixture into a column at an intermediate point thereof, passing water down the column in quantities sufficient to dissolve substantially all the monomethylamine and dimethylamine but insufficient to dissolve the whole mixture, and adjusting the temperature throughout said column so that it is within the range from 10 to 75 degrees centigrade below the boiling point of water at the pressure used.

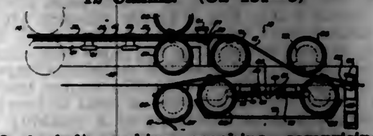
2,119,475
**ROLLER REEFING GEAR**
Bror Tamm, Quincy, Mass., assignor to George Lawley & Son Corporation, Neponset, Mass., a corporation of Massachusetts
Application April 14, 1937, Serial No. 136,811
3 Claims. (Cl. 114—167)

1. An improved roller reefing gear of the kind described comprising a rotatable boom, a pivotal support for said boom at the mast end, tack-holding means adjacent the mast end, gear-turning mechanism adjacent the tack-holding means, a goose-neck structure affording a pivot for vertical movement of the boom, and a pivot for horizontal swinging movement of said boom, the horizontal pivot being substantially in alignment with said tack-holding means.



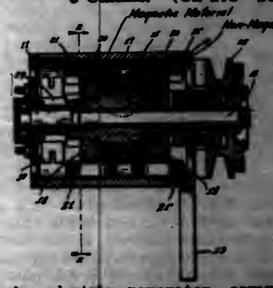


2,119,476
**MACHINE FOR MAKING MULTI-PLY BELTING**
James A. Webb, Buffalo, N. Y., assignor to J. A. Webb Belting Co., Inc., Buffalo, N. Y.
Application June 12, 1936, Serial No. 84,887
12 Claims. (Cl. 154—3)



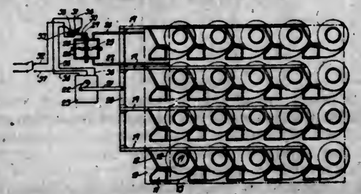
3. A belt making machine comprising a cementing unit including two pairs of rolls, a pair of feed rolls disposed on the emergent side of said unit, means for positively driving said feed rolls to move belt plies through said unit, means for positively driving said two pairs of rolls, said last named means being so disposed as to drive the rolls of each of said pairs in the same rotational direction, and means disposed adjacent the feed rolls to apply pressure to plies passing through said pairs of rolls in said cementing unit.

2,119,477
**GENERATOR**
Jarl M. Weydell, Indianapolis, Ind., assignor of one-half to Edward E. Stout, Indianapolis, Ind.
Application February 5, 1936, Serial No. 62,422
6 Claims. (Cl. 171—209)
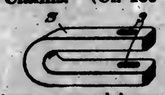



1. An electric generator, comprising a stationary field coil, a field-core mounted for rotation coaxially therewith, non-circular pole-pieces carried by said field-core beyond the ends of said field coil, armature cores associated respectively with said pole-pieces and magnetically interconnected, armature windings associated with each of said pole-pieces, and means including a commutator rotatable with said field-core for rectifying and supplying to said field coil a portion of the current generated in at least one of said armature windings.

2,119,478
**DUST CATCHER**
Louis C. Whiton, Jr., Westport, Conn., assignor to Prat-Daniel Corporation, Port Chester, N. Y., a corporation of New York
Application February 12, 1937, Serial No. 125,399
5 Claims. (Cl. 183—40)



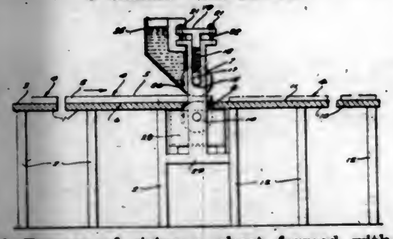
1. Apparatus for separating suspended particles from gases which comprises a plurality of cyclone separators arranged in parallel, a common supply chamber and a common outlet chamber for said separators, a plurality of inlets from said supply chamber to said separators, one for each separator, each inlet having a damper hinged at its leading edge to the inner side of its inlet to control the area of said inlet, means for moving said dampers simultaneously and proportionally, and control means actuated by the difference in pressures between said supply chamber and said outlet chamber to actuate said damper moving means to move the dampers toward or from closed position as the pressure difference between said supply and outlet chambers tends to fall or rise respectively.

2,119,479
**LUG STRAP**
Henry Miles Bacon, Warren, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application March 12, 1936, Serial No. 68,534
2 Claims. (Cl. 139—153)



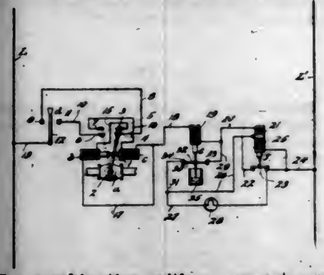
2. A lug strap comprising a U-shaped body formed of a moldable composition of controllable hardness having a rubber base, and a multiplicity of reinforcing plies of woven fabric laid in U-form, one within another successively within the U and evenly distributed in closely spaced relation throughout the thickness of said body and each ply extending the length of both legs of the strap and around the bow, said moldable composition being compressed, molded and vulcanized and impregnating the fabric of the plies and forming a hard, tough, non-friable, resilient and moisture-impervious matrix enveloping the plies and surrounding the individual threads of the fabric of the plies and reinforced by the plies throughout the entire strap, the number of plies in the bow being the same as in the legs, the moldable composition being of greater thickness in the bow than in the legs of the strap, and the bow being less hard than the legs.

2,119,480
**COVERING MATERIAL AND PROCESS OF TREATING SAME**
Philip W. Codwise, Thorold, Ontario, Canada, assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland
Application February 26, 1935, Serial No. 7,347
6 Claims. (Cl. 91—70)



1. Process of sizing a sheet formed with a plurality of plies of felted fibers, at least the outer or surface ply having a freeness test substantially of the range of fifty to one hundred seconds, which comprises applying to the surface of said sheet a coating of sizing capable of setting, subjecting the coated sheet to pressure to force the sizing into the fibrous sheet, and repeating the applications of sizing and of pressure while said sizing is substantially unset until the sizing has penetrated to a depth of not substantially less than .015 inch.

2,119,481
**ELECTRIC VALVE OPERATING MEANS**
Joseph F. Free, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Application February 24, 1936, Serial No. 65,510
2 Claims. (Cl. 175—320)



1. The combination with a current source, a device movable back and forth between two positions, two electromagnets having their armatures operatively connected to said device, one of said magnets, when energized, adapted to move said device in one direction and the other magnet, when energized, adapted to move said device in the opposite direction, a circuit for the coils of said magnets including a switch operable by each magnet to open the circuit to its own coil and to make up the circuit to the coil of the other magnet, and a manually controlled switch for connecting the coil of the magnet whose circuit is so made up to the current source, of means for automatically reducing the current flow in the magnet coil so connected if the magnet fails to move the device comprising a relay having a low resistance operating coil and a normally closed switch in the magnet circuit and having a high resistance holding coil in shunt to the relay switch, said relay, when its operating coil is energized, adapted to open the latter switch, and a retarded relay, having a coil in the magnet circuit, controlling the first-mentioned relay to cause the latter to open the magnet circuit in a predetermined time after the closure of said latter circuit by said manually controlled switch providing the energized magnet fails to move said device and open its own circuit.

2,119,482
**LAMINATED TRIMMING STRIP AND METHOD FOR MAKING SAME**
Glen H. Huffer, Union City, Ind., assignor to Backstay Welt Company, Union City, Ind., a corporation of Indiana
Application March 12, 1938, Serial No. 195,653
7 Claims. (Cl. 154—2)



1. The method of making a compact contoured body of elongated form comprising cementing together two sheets of crepe paper by means of a relatively inelastic, inert adhesive, each sheet having its crepings extending transversely of the sheet, applying to a surface of the resulting laminated web a liquid coating which upon drying will deposit a thin film of elastic adhesive which lies substantially wholly on the surface of the paper, without penetrating the paper more than microscopically, and does not materially impair the crepings, allowing said coating to dry, thereafter folding the coated web on itself to provide an elongated strip consisting of a plurality of plies, and then applying pressure to compact and adhesively secure the plies together.

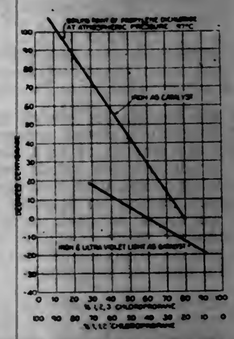
2,119,483
**MESSAGE HOLDER**
Caspar J. Kernderfer, Allendale, N. J., and Leslie T. Hand, Brooklyn, N. Y., assignors to Mersegraph, Inc., New York, N. Y., a corporation of New York
Application May 9, 1936, Serial No. 78,930
1 Claim. (Cl. 24—252)



In a device of the character described, a support, a U-shaped bracket attached to said support, the top rear portion thereof being cutaway to partially embrace said support, a non-flexible arm extended along said support, said arm having an inturned bend for contact with said support and an outturned terminal portion continued from said bend, pivotal means connecting said arm and bracket, said means being disposed at the lower front portion of the legs of said U-shaped bracket, whereby that portion of said arm above said pivotal means has its front section arranged substantially in the same plane with the front face of each of the legs of said bracket, a thumbscrew threadedly engaging the upper end of said arm, a spring inclosed within the confines of said U-shaped bracket and positioned adjacent the bight portion thereof, said spring extending between said support and the inner end of said thumbscrew to tension the contact of said inturned bend of said arm with said support and means borne by said thumbscrew to hold said spring in an adjusted tensioned position.



2,119,484
**CHLORINATION OF PROPYLENE DICHLORIDE**
Arthur A. Levine and Oliver W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 6, 1935, Serial No. 19,954
12 Claims. (Cl. 260—163)



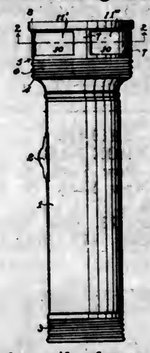
1. A process for preparing chlorinated hydrocarbons which comprises reacting chlorine with propylene dichloride in the presence of metallic iron as a catalyst in the liquid phase under temperature conditions so selected that the relative proportions of the various products resulting in the reaction mixture are controlled.

2,119,485
**CYCLOHEXENE CHLORHYDRIN**
Arthur A. Levine and Oliver W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 27, 1936, Serial No. 71,248
4 Claims. (Cl. 260—157)

1. A process for preparing cyclohexene chlorhydrin from mixtures of cyclohexene and cyclohexane which comprises subjecting said mixture in liquid form to the action of hypochlorous acid.

2,119,486
**FLASHLIGHT**
Bernard F. Muldoon, Mountain View, N. J., assignor to Henry Hyman, Brooklyn, N. Y.
Application March 26, 1936, Serial No. 70,946
4 Claims. (Cl. 240—10.6)

1. In a flashlight having a lamp bulb, a cap at the lamp end having windows, and a circular strip of colored glass in front of said windows, said glass being provided along its inner surface with an annular rib having an outwardly reflecting surface in the path of rays of light from said lamp bulb.



2,119,487
**HARD METAL ALLOY AND PROCESS OF MAKING THE SAME**
Henry N. Padowicz, Bloomfield, N. J., assignor to Sirian Wire and Contact Company, Newark, N. J., a corporation of Delaware
No Drawing. Application July 31, 1936, Serial No. 93,734
12 Claims. (Cl. 75—136)

1. A process of preparing a hard metal alloy which comprises preparing a mixture including a tungsten carbide, mixing said carbide with an aqueous medium containing a concentrated dispersion of at least one water soluble, organic acid salt compound selected from the group consisting of the cobalt, nickel and iron compounds, evaporating to dryness while continuously agitating, and heating the mixture in a reducing atmosphere.

2,119,488
**ALLOYS AND PROCESS OF MAKING SAME**
Henry N. Padowicz, Bloomfield, N. J., assignor to Sirian Wire and Contact Company, Newark, N. J., a corporation of Delaware
No Drawing. Application July 31, 1936, Serial No. 93,733
15 Claims. (Cl. 75—136)

1. A process of preparing hard metal alloys which comprises combining a finely divided mixture of refractory metal carbides and then combining this mixture with a water solution of an organic salt of an additional metal selected from the group consisting of iron, nickel and cobalt, said water solution being concentrated and being evaporated down to dryness while continually stirring, the dry material being pulverized and sifted and then reduced in a reducing atmosphere.

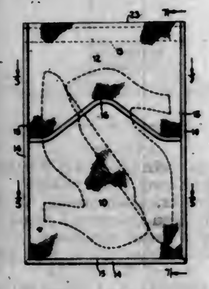
2,119,489
**REFRACTORY METAL ALLOYS AND METHOD OF MAKING SAME**
William J. Beer, Union, N. J., assignor to Sirian Wire and Contact Company, Newark, N. J., a corporation of Delaware
No Drawing. Application July 29, 1936, Serial No. 93,171
19 Claims. (Cl. 75—136)

1. A method of making a hard metal alloy containing a refractory metal and carbon, which comprises forming an intermediate combination

of an organic acid salt selected from the group consisting of the organic salts of iron, cobalt and nickel and the finely divided refractory metal by evaporating a solution of the organic acid salt containing the refractory metal to dryness, then heating the combination in a reducing atmosphere, and then carburizing.

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2,119,490
**SHOE BAG**
Fabienne Pellerin, New York, N. Y., assignor to Flip-Top, Ltd., New York, N. Y., a corporation of New York
Application January 13, 1936, Serial No. 58,857
8 Claims. (Cl. 150—1)



1. A normally flat bag comprising a front side, a rear side with the sides having substantially coextensive areas and with their outlining edges in juxtaposition and a closure flap of less length than said sides having the same width as the sides and having its opposite side edges coinciding with the side edges of the front and rear sides, extending integrally from the upper edge of the rear side, the upper free edge of the front side being bent back upon itself and sewed to form a seam, said flap having two operative positions, in one overlapping the upper portion of the front side and constituting a closure for the bag and in the other position overlapping the upper portion of the rear side and exposing a top opening into the interior of the bag, and a length of binding extending in one piece downwardly along one of the edges of the superposed flap and along the front and rear sides, along the bottom edges of the front and rear sides and then upwardly along the opposite edges of the superposed flap, front and rear edges, and said binding being sewed in place and thus acting to secure the said superposed edges together.

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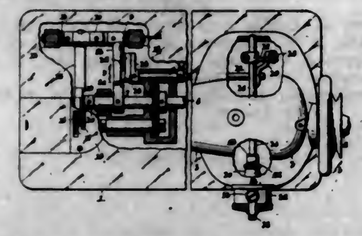
2,119,491
**ROLLER**
David M. Rappert, Chicago, Ill., assignor to Rapid Roller Company, Chicago, Ill., a corporation of Illinois
Application March 11, 1937, Serial No. 130,326
6 Claims. (Cl. 91—67.8)



1. A dampening roller having a metal shaft and a resilient moderately water absorbent surfacing layer secured thereto, said layer being composed of a rubber-like binder having distributed therethrough finely divided particles of a water absorbent material as a filler, some of said filler particles being exposed at the surface of said layer.

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2,119,492
**FEED MECHANISM FOR SEWING MACHINES**
George Sauer, Berwyn, and Clarence C. Smith, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application November 30, 1935, Serial No. 52,306
17 Claims. (Cl. 112—210)



1. In feed mechanism for sewing machines, a stitch length controlling device, means establishing limits for movements of said device corresponding to predetermined stitch lengths, said means comprising cooperative stop members, one of said members having an opening with edges disposed at an angle to each other, and the other stop member being relatively movable in said opening and relatively adjustable toward and away from the apex of said angle.

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2,119,493
**REACTING HYDROCARBONS WITH ALKALI METALS**
Norman D. Scott, Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 15, 1936, Serial No. 64,178
10 Claims. (Cl. 260—168)

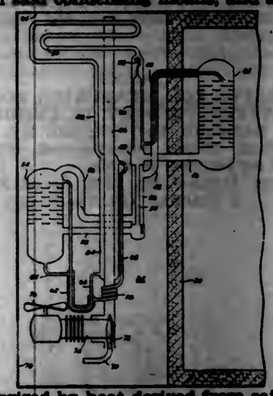
1. A method of effecting the addition of an alkali metal to a polycyclic aromatic hydrocarbon which comprises reacting the alkali metal with said hydrocarbon in a reaction medium which comprises a tertiary amine selected from the group consisting of trimethylamine, dimethyl ethylamine and tetramethyl methylene diamine.

7. A composition of matter comprising an alkali metal addition compound of a polycyclic aromatic hydrocarbon dissolved in a solvent comprising a tertiary amine selected from the group consisting of trimethylamine, dimethyl ethylamine and tetramethyl methylene diamine.

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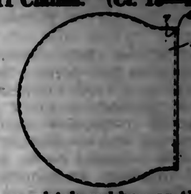
2,119,494
**REFRIGERATING APPARATUS**
Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 30, 1936, Serial No. 103,296
16 Claims. (Cl. 62—118)

1. An absorption refrigerating system comprising generating, absorbing, condensing and evaporating means, heating means including means for heating the generating means, a fan for circulating a cooling medium into heat exchange relation with said condensing means, and a heat engine energized by heat derived from said heating means for driving said fan.



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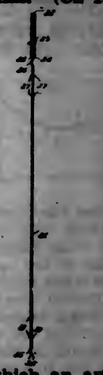
2,119,495
**FORM FOR MAKING RUBBER ARTICLES**
Abraham N. Spánel, Rochester, N. Y.
Application June 9, 1934, Serial No. 729,875
11 Claims. (Cl. 18—41)



1. A form on which rubber or the like may be deposited for making a cap or the like with an opening therein having a reinforced margin, said form being provided adjacent one edge with a recess therein defined by a curved surface of said form intersected by a plane surface thereof, said curved surface being free from any projecting abrupt edge.

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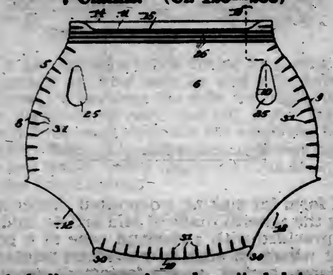
2,119,496
**APPARATUS FOR MAKING LATEX ARTICLES**
Abraham N. Spánel, Rochester, N. Y.
Application May 8, 1936, Serial No. 78,593
6 Claims. (Cl. 18—41)



3. A form on which an article-forming coating may be deposited, comprising a sheet of material, said sheet having an article reinforcement-generating groove in one surface thereof, for accumulating a reinforcement adjacent the edge of a portion of the article deposited on said surface, a projection on the other surface of said sheet opposite said groove for accumulating a reinforcement adjacent the edge of a portion of the article deposited on said other surface, and a raised section on said first-mentioned surface defining the outline of a portion of the article deposited on said first-mentioned surface.

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2,119,497
**LATEX ARTICLE**
Abraham N. Spánel, Rochester, N. Y.
Application February 27, 1936, Serial No. 66,045
7 Claims. (Cl. 128—283)



1. A hollow, seamless deposited latex article having an opening therein, the margin of said article adjacent said opening being reinforced by a rib of latex on one surface of the deposited article, the free edge of said margin terminating in said surface of the article, the portion of the margin between the free edge thereof and the rib region of the margin being joined to said rib region in a substantial manner.

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2,119,498
**RUBBER ARTICLE**
Abraham N. Spánel, Rochester, N. Y.
Original application June 9, 1934, Serial No. 729,875. Divided and this application July 7, 1937, Serial No. 152,399
5 Claims. (Cl. 2—68)



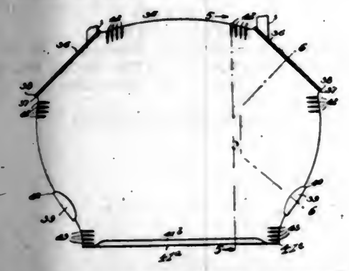
1. An article of manufacture comprising a layer of deposited rubber, a ridge of deposited rubber integral with said layer projecting from one surface thereof, the other surface of said layer having a depression therein opposite said ridge, said ridge and depression defining a thickened reinforcement in said layer, curved in cross-section.

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2,119,499
**FORM FOR MAKING LATEX ARTICLES**
Abraham N. Spánel, Dover, Del.
Original application February 27, 1936, Serial No. 66,045. Divided and this application October 12, 1937, Serial No. 168,633
5 Claims. (Cl. 18—41)

1. A form for making seamless, deposited rub-

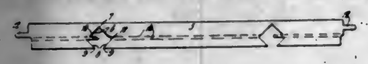
ber pants, said form comprising a relatively thin member having the general outline of the pants to be deposited thereon, leg-opening defining portions and a waist-opening defining portion provided on said member, the edges of said member between the leg-opening defining portions and between said last mentioned portions and the waist-opening defining portions being rounded, certain of said rounded edges having a plurality of spaced reinforcement-generating grooves formed therein, each groove extending substantially across an edge only.



4. A form for making a deposited rubber article having the general shape of said article, said form being provided with an abrupt edge at a portion thereof where an edge is desired on said article, said form having a reinforcement-generating groove therein spaced from but adjacent to said abrupt edge, the surface of said groove merging gradually with the surface of said form at each side of said groove, the portion of said surface of the form at one side of said groove extending in the same general direction as the surface of the form at the other side of said groove.

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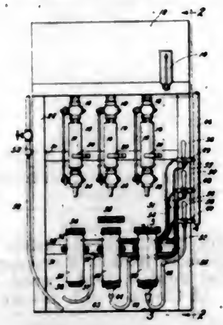
**2,119,500**
**METHOD OF MAKING HANDBAG FRAMES**
**Frank J. Quigan, Bayside, N. Y.**
**Application April 6, 1937, Serial No. 135,223**
**3 Claims. (Cl. 113—116)**



1. In a method of making a bag frame member, first cutting a blank from metal strip stock and forming longitudinally spaced substantially rectangular openings therein to provide intermediate and end sections, with the opposed ends of said sections having opposing edges at each side of the longitudinal center line of the blank converging towards each other, the opposed edges at one side of said center line meeting at a point in spaced relation to one longitudinal edge of the blank and the other opposed converging edges intersecting the opposite longitudinal edge of the blank at spaced points, then bending said blank throughout its length along spaced parallel longitudinal line between said oppositely extending opposed converging edges of the blank sections to form the same into channel shape having opposite side walls of relatively different widths, then bending the longitudinal edge portion of the wider channel wall along a longitudinal line tangent to the meeting ends of said first named opposed converging edge of the strip sections to form a continuous flange, and then bending said flange between said sections to dispose the end sections of said strip at an angle to the intermediate section and position the opposed converging edges of the side walls of said frame sections in substantially abutting contact with each other.

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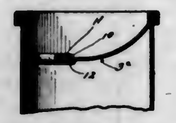
**2,119,501**
**APPARATUS FOR MEASURING FOREIGN MATTER PRESENT IN LIQUIDS**
**Lewis A. Baumann, Fort Thomas, Ky., assignor to French Bauer Incorporated, Cincinnati, Ohio, a corporation of Ohio**
**Application January 22, 1936, Serial No. 60,283**
**3 Claims. (Cl. 73—51)**



1. Apparatus of the class described comprising a supply tank for hot diluent liquid, a measuring and dispensing valve connected with said tank, a vertical chamber member open at both ends and adapted to receive liquid discharged from the measuring and dispensing valve, a nipple and filter disc adapted to be secured to the bottom of said chamber, an annular cap for detachably mounting said nipple and filter disc on the chamber, a detachable closing cap for the top of the chamber, a constant source of gaseous pressure, valve means for said gaseous pressure, a tube connected with said valve means and with a point adjacent the top of the chamber, a controlled gaseous pressure tube connected to a source and a quick detachable connection for said nipple and the last-mentioned tube.

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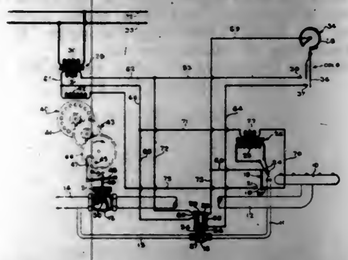
**2,119,502**
**METALLIC RECEPTACLE**
**Charles E. Bertels, San Francisco, Calif., assignor of one-half to William W. Breite, San Francisco, Calif.**
**Application February 15, 1936, Serial No. 64,124**
**5 Claims. (Cl. 220—1)**



1. A liquid-holding can having an end closed by a wall set inwardly from the end of the can body and having a wide flange extending therefrom to the end edge of the can body, said flange extending along the inner surface of the can body and in contact therewith, the edges of the flange and the can body being sealed together, the said wall and flange forming an outwardly opening cup of substantial depth in the end of the can to receive liquid from the interior of the can when said wall is provided with an opening therein.



**2,119,503**
**FLUID FUEL BURNER CONTROL**
**John P. Kriechbaum, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware**
**Application January 23, 1936, Serial No. 60,481**
**8 Claims. (Cl. 158—28)**



1. In a fluid fuel burner control system, a pilot burner, a main burner, a pilot burner valve, a main burner valve, an electric motor for operating each of said valves, a switch associated with the pilot valve motor, said motor being operative upon energization thereof to open said pilot valve and close said switch, a switch responsive to a controlling condition, electrically operated ignition means for said pilot burner, a source of electrical energy, circuit means effective upon closure of said condition responsive switch to simultaneously connect said pilot valve motor and said ignition means with said source of energy, and circuit means including and controlled by said switch associated with said pilot valve motor for connecting said main valve motor with said source of energy.

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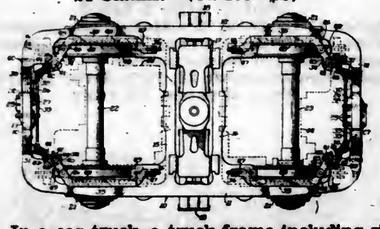
**2,119,504**
**FISHING TACKLE**
**John G. Lawrence, Tampa, Fla.**
**Application November 25, 1935, Serial No. 51,372**
**2 Claims. (Cl. 43—27)**



1. In a fishing tackle, a leader, a sinker, and means for connecting said sinker to said leader, said sinker comprising a link, a transparent weight and transparent means for connecting said weight to said leader.

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**2,119,505**
**CAR TRUCK BRAKE MECHANISM**
**Milton E. Shaver, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware**
**Application August 17, 1934, Serial No. 740,318**
**Renewed October 27, 1937**
**24 Claims. (Cl. 188—56)**



1. In a car truck, a truck frame including side frames joined at their ends by end sills, wheeled axles journaled between the side frames, a brake cylinder mounted on each end sill, brake rigging associated with each cylinder for applying braking pressure to the wheeled axles, said rigging including bell crank levers pivoted at the four corners of the truck frame.

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**2,119,506**
**ANTIFREEZE COMPOSITIONS**
**Cecil E. Watts, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland**
**No Drawing. Application November 23, 1936, Serial No. 112,296**
**5 Claims. (Cl. 252—5)**

1. An anti-freeze fluid comprising a monohydric water-soluble alcohol, para-cymene, and alpha ethyl beta propyl acrolein.

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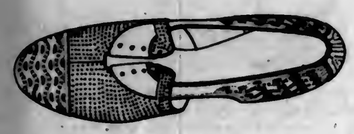
**2,119,507**
**RESIN COMPOSITION**
**Percy Morgan Clark, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**No Drawing. Application May 16, 1935, Serial No. 21,907**
**10 Claims. (Cl. 106—23)**

1. A composition of matter comprising a polymer of a dihydrogenated aromatic polycyclic aromatic hydrocarbon and a resinous rubber derivative obtainable by reacting rubber with a compound selected from the group consisting of halogens, hydrogen halides and amphoteric metal halides.

# DESIGNS

MAY 31, 1938

**109,865**
**DESIGN FOR A SHOE**
Charles H. Caldwell, Brockton, Mass., assignor to Geo. E. Keith Company, Campello, Mass., a corporation of Massachusetts
Application December 28, 1937, Serial No. 73,896
Term of patent 3½ years



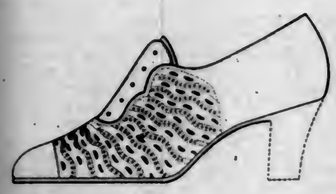


The ornamental design for a shoe, as shown and described.

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**109,866**
**DESIGN FOR A SHOE**
Charles H. Caldwell, Brockton, Mass., assignor to Geo. E. Keith Company, Campello, Mass., a corporation of Massachusetts
Application December 28, 1937, Serial No. 73,899
Term of patent 3½ years





The ornamental design for a shoe, as shown and described.



**109,867**
**DESIGN FOR SHOE UPPER MATERIAL**
Charles H. Caldwell, Brockton, Mass., assignor to Geo. E. Keith Company, Campello, Mass., a corporation of Massachusetts
Application December 28, 1937, Serial No. 73,900
Term of patent 3½ years



The ornamental design for shoe upper material, as shown and described.

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**109,868**
**DESIGN FOR A SHOE**
Walter Ebling, Rochester, N. Y.
Application April 28, 1938, Serial No. 76,777
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

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**109,869**
**DESIGN FOR A SHOE**
David Levin, New York, N. Y.
Application April 20, 1938, Serial No. 76,623
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.



**109,870**
**DESIGN FOR A SHOE**
David Levin, New York, N. Y.
Application April 20, 1938, Serial No. 76,624
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

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**109,871**
**DESIGN FOR A SHOE**
David Levin, New York, N. Y.
Application April 26, 1938, Serial No. 76,750
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

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**109,872**
**DESIGN FOR A SHOE**
David Levin, New York, N. Y.
Application April 26, 1938, Serial No. 76,751
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

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**109,873**
**DESIGN FOR A SHOE**
David Levin, New York, N. Y.
Application April 26, 1938, Serial No. 76,752
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

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**109,874**
**DESIGN FOR A SHOE**
David Levin, New York, N. Y.
Application April 26, 1938, Serial No. 76,753
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

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**109,875**
**DESIGN FOR A BROOCH OR SIMILAR ARTICLE**
Louis Maser, New York, N. Y.
Application April 21, 1938, Serial No. 76,664
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

**109,876**
**DESIGN FOR A BROOCH OR SIMILAR ARTICLE**
**Louis Mazer, New York, N. Y.**
**Application April 21, 1938, Serial No. 76,665**
**Term of patent 3½ years**



The ornamental design for a brooch or similar article, substantially as shown.

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**109,877**
**DESIGN FOR A BROOCH OR SIMILAR ARTICLE**
**Louis Mazer, New York, N. Y.**
**Application April 21, 1938, Serial No. 76,667**
**Term of patent 3½ years**



The ornamental design for a brooch or similar article substantially as shown.

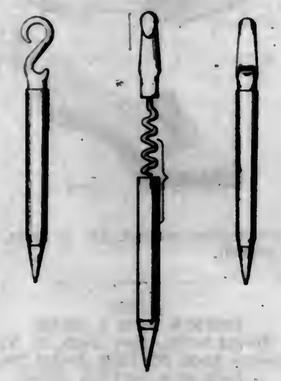
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**109,878**
**DESIGN FOR A BROOCH OR SIMILAR ARTICLE**
**Louis Mazer, New York, N. Y.**
**Application April 21, 1938, Serial No. 76,668**
**Term of patent 3½ years**



The ornamental design for a brooch or similar article substantially as shown.

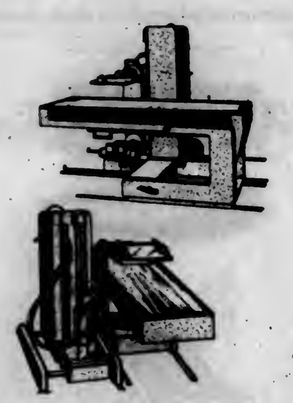
**109,879**
**DESIGN FOR A COMBINATION PENCIL, CORKSCREW, AND BOTTLE OPENER**
**Walter Ruby, Long Beach, Long Island, N. Y.**
**Application August 2, 1937, Serial No. 70,865**
**Term of patent 14 years**



The ornamental design for a combination pencil, corkscrew and bottle opener, substantially as shown and described.

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**109,880**
**DESIGN FOR A RADIOGRAPHIC AND FLUOROSCOPIC UNIT**
**Alfred Simon, Jackson Heights, N. Y., assignor to Westinghouse X-Ray Company, Inc., a corporation of Delaware**
**Application September 1, 1937, Serial No. 71,413**
**Term of patent 14 years**



The ornamental design for a radiographic and fluoroscopic unit substantially as shown.



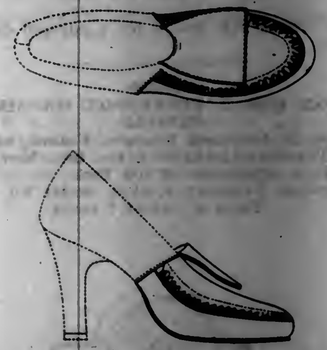
**109,881**
**DESIGN FOR A SHOE**
**Marguerite Ullman, New York, N. Y.**
**Application April 30, 1938, Serial No. 76,891**
**Term of patent 3½ years**



The ornamental design for a shoe substantially as shown.

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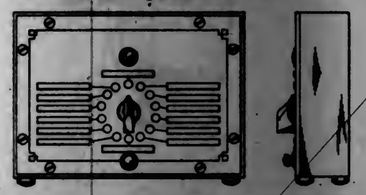
**109,882**
**DESIGN FOR A SHOE OR SIMILAR ARTICLE**
**Mabel Winkel, New York, N. Y.**
**Application March 29, 1938, Serial No. 76,147**
**Term of patent 3½ years**



The ornamental design for a shoe or similar article, substantially as shown.

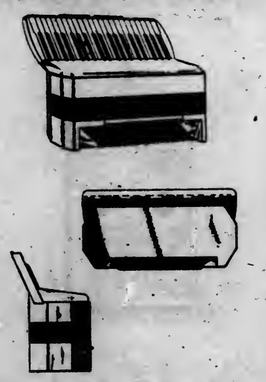
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**109,883**
**DESIGN FOR A SIGNAL DEVICE OF A PAGING UNIT SYSTEM**
**Isidoro J. Adler, New York, N. Y.**
**Application February 15, 1937, Serial No. 67,667**
**Term of patent 3½ years**



The ornamental design for a signal device of a paging unit system as shown.

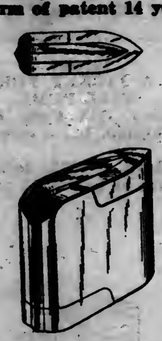
**109,884**
**DESIGN FOR AN ACCORDION**
**Anonte Bernardi, Aldo Legil, and Mario Zoppi, Detroit, Mich.**
**Application November 22, 1937, Serial No. 73,107**
**Term of patent 7 years**



The ornamental design for an accordion, as shown.

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**109,885**
**DESIGN FOR A LIGHTER**
**Alexis de Sakhnoffsky, Philadelphia, Pa.**
**Application January 16, 1938, Serial No. 74,168**
**Term of patent 14 years**



The ornamental design for a lighter substantially as shown.

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**109,886**
**DESIGN FOR A SUPPORTING BRACKET FOR A SHELF OR SIMILAR ARTICLE**
**Anita S. Dunn, Cedar Rapids, Iowa**
**Application March 24, 1938, Serial No. 76,065**
**Term of patent 3½ years**



The ornamental design for a supporting bracket for a shelf or similar article, as shown.

**109,887**
**DESIGN FOR A SWITCH COVER PLATE OR SIMILAR DEVICE**
Rufus G. Ferdyce, Chicago, Ill.
Application March 19, 1938, Serial No. 75,969
Term of patent 14 years



The ornamental design for a switch cover plate or similar device substantially as shown.

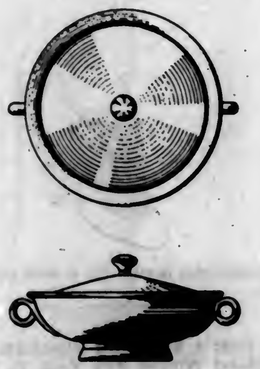
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**109,888**
**DESIGN FOR A JACKET FOR A SHALLOW WELL PUMP**
Robert G. Gracey, Oak Park, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1938, Serial No. 76,269
Term of patent 14 years



The ornamental design for a jacket for a shallow well pump, substantially as shown.

**109,889**
**DESIGN FOR A COVERED DISH**
William D. Haviland, Limoges, France, assignor to Theodore Haviland & Co. Inc., New York, N. Y., a corporation of New York
Application February 8, 1938, Serial No. 74,959
Term of patent 7 years



The ornamental design for a covered dish, as shown.

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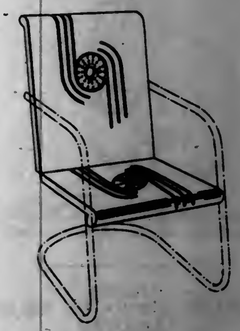
**109,890**
**DESIGN FOR A COFFEEPOT OR SIMILAR ARTICLE**
William D. Haviland, Limoges, France, assignor to Theodore Haviland & Co. Inc., New York, N. Y., a corporation of New York
Application February 8, 1938, Serial No. 74,960
Term of patent 7 years



The ornamental design for a coffeepot or similar article, as shown.



**109,891**
**DESIGN FOR A CHAIR OR THE LIKE**
Harold Hollander, New York, N. Y.
Application February 17, 1938, Serial No. 75,217
Term of patent 3½ years



The ornamental design for a chair or the like, as shown and described.

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**109,892**
**DESIGN FOR A VACUUM CLEANER CASING**
Ralph E. Kruck, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application April 6, 1938, Serial No. 76,319
Term of patent 7 years



The ornamental design for a vacuum cleaner casing substantially as shown.

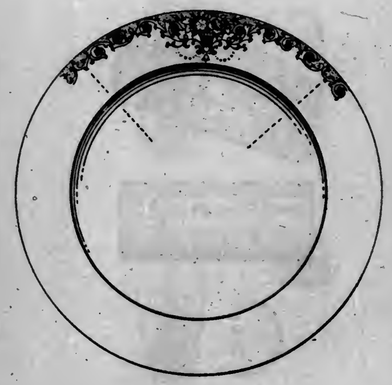
**109,893**
**DESIGN FOR A VACUUM CLEANER CASING**
Ralph E. Kruck, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application April 6, 1938, Serial No. 76,320
Term of patent 7 years



The ornamental design for a vacuum cleaner casing substantially as shown.

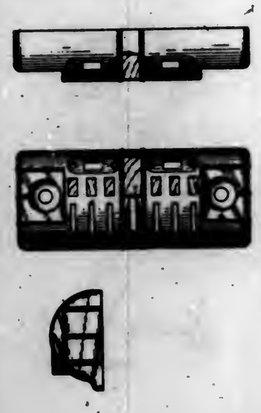
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**109,894**
**DESIGN FOR A PLATE OR SIMILAR ARTICLE**
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application April 7, 1938, Serial No. 76,336
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

**109,895**
**DESIGN FOR AN ESCUTCHEON PLATE FOR RADIO RECEIVER APPARATUS**
Richard C. Marholz, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application March 30, 1938, Serial No. 76,189
Term of patent 7 years



The ornamental design for an escutcheon plate for radio receiver apparatus, as shown.

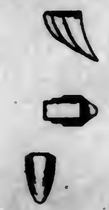
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**109,896**
**DESIGN FOR AN ESCUTCHEON PLATE FOR RADIO RECEIVER APPARATUS**
Richard C. Marholz, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application March 30, 1938, Serial No. 76,190
Term of patent 7 years



The ornamental design for an escutcheon plate for radio receiver apparatus, as shown.

**109,897**
**DESIGN FOR A FINGER BUTTON FOR A SELECTOR MEMBER OF A RADIO TUNING DEVICE**
Richard C. Marholz, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application March 30, 1938, Serial No. 76,191
Term of patent 7 years



The ornamental design for a finger button for a selector member of a radio tuning device, as shown.

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**109,898**
**DESIGN FOR A BROOCH OR SIMILAR ARTICLE**
Louis Maser, New York, N. Y.
Application April 21, 1938, Serial No. 76,666
Term of patent 3½ years



The ornamental design for a brooch or similar article substantially as shown.

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**109,899**
**DESIGN FOR A BEAM PROJECTOR**
Anthony L. McCabe, Reading, Mass.
Application March 26, 1938, Serial No. 76,104
Term of patent 3½ years



The ornamental design for a beam projector, substantially as shown and described.



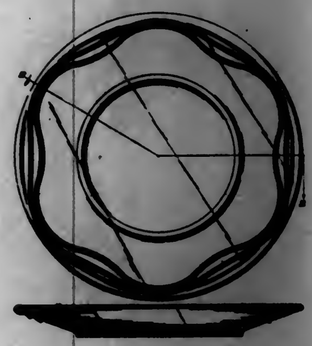
**109,900**
**DESIGN FOR A DESK LAMP**
Victor Nemecek, Chicago, Ill., assignor to Electro Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application April 18, 1938, Serial No. 76,587
Term of patent 7 years



The ornamental design for a desk lamp, as shown.

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**109,901**
**DESIGN FOR A PLATE OR SIMILAR ARTICLE**
George Sakier, New York, N. Y., assignor to Federic Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 20, 1938, Serial No. 76,644
Term of patent 3½ years



The ornamental design for a plate or similar article, substantially as shown.

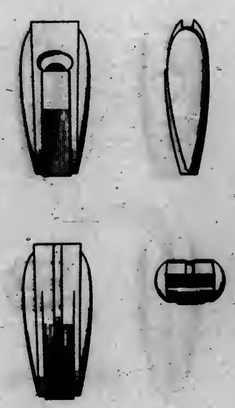
**109,902**
**DESIGN FOR A CLAMP FOR USE IN VULCANIZING**
Paul Van Cleef, Chicago, Ill., assignor to Van Cleef Bros., Chicago, Ill., a partnership composed of Noah Van Cleef, Felix Van Cleef and Paul Van Cleef
Application April 9, 1938, Serial No. 76,412
Term of patent 7 years



The ornamental design for a clamp for use in vulcanizing substantially as shown.

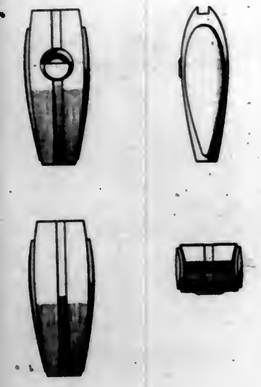
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**109,903**
**DESIGN FOR A DRY SHAVER CASING**
Georges Wilmet, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application October 12, 1937, Serial No. 72,132
Term of patent 14 years



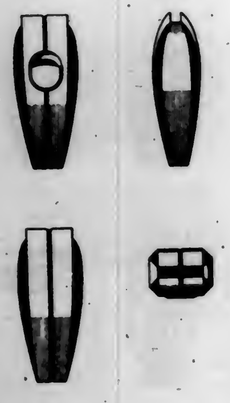
The ornamental design for a dry shaver casing as shown.

109,904
**DESIGN FOR A DRY SHAVER CASING**
Georges Wilmet, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application October 12, 1937, Serial No. 72,133
Term of patent 14 years



The ornamental design for a dry shaver casing as shown.

109,905
**DESIGN FOR A DRY SHAVER CASING**
Georges Wilmet, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application October 15, 1937, Serial No. 72,216
Term of patent 14 years



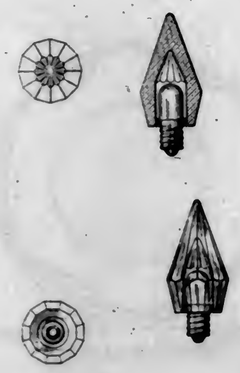
The ornamental design for a dry shaver casing as shown.

109,906
**DESIGN FOR A DRY SHAVER CASING**
Georges Wilmet, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application October 16, 1937, Serial No. 72,233
Term of patent 14 years



The ornamental design for a dry shaver casing as shown.

109,907
**DESIGN FOR AN ELECTRIC LAMP OR SIMILAR ARTICLE**
Abraham L. Buschman, New York, N. Y.
Application April 15, 1937, Serial No. 68,791
Term of patent 14 years



The ornamental design for an electric lamp or similar article, as shown and described.

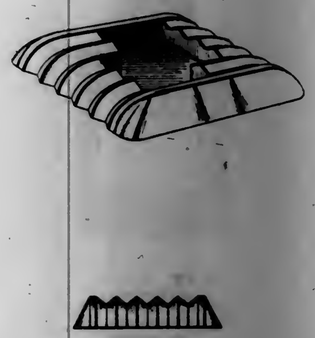


109,908
**DESIGN FOR A BOTTLE**
Ewell M. Coleman, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 6, 1938, Serial No. 76,322
Term of patent 14 years



The ornamental design for a bottle substantially as shown and described.

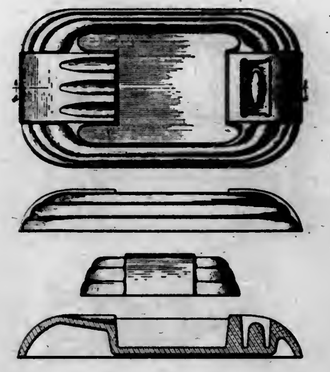
109,909
**DESIGN FOR AN ASHTRAY**
Edwin W. Fuerst, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 31, 1938, Serial No. 76,205
Term of patent 7 years



The ornamental design for an ashtray substantially as shown.



109,910
**DESIGN FOR AN ASHTRAY**
Edwin W. Fuerst, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 31, 1938, Serial No. 76,206
Term of patent 7 years



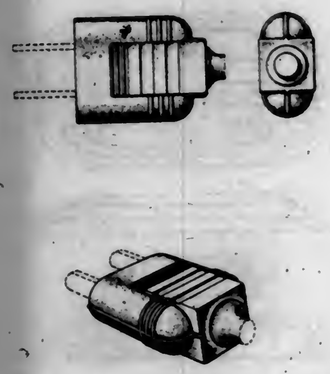
The ornamental design for an ashtray substantially as shown.

109,911
**DESIGN FOR A TIRE**
Ben Goodman, Baltimore, Md.
Application March 18, 1938, Serial No. 75,934
Term of patent 14 years



The ornamental design for a tire as shown.

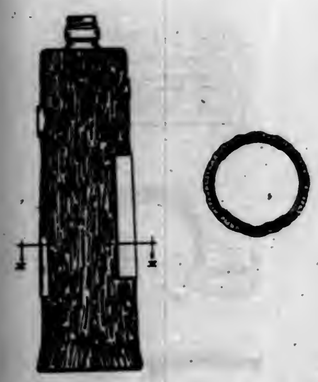
**100,912**
**DESIGN FOR AN ELECTRICAL CONNECTER**
Lurelle Guild, Darien, Conn., assignor, by mesne assignments, to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application November 16, 1937, Serial No. 72,927
Term of patent 14 years



The ornamental design for an electrical connecter, as shown.

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**100,913**
**DESIGN FOR A BOTTLE**
James M. Guthrie, Pittsburgh, Pa.
Application March 11, 1938, Serial No. 75,763
Term of patent 7 years



The ornamental design for a bottle, substantially as shown.

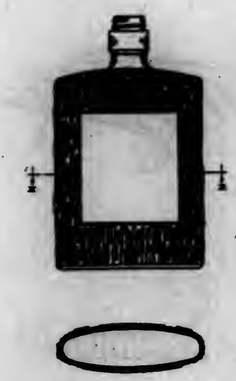
**100,914**
**DESIGN FOR A BOTTLE**
James M. Guthrie, Pittsburgh, Pa.
Application March 11, 1938, Serial No. 75,764
Term of patent 14 years



The ornamental design for a bottle, substantially as shown.

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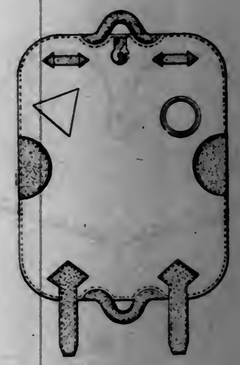
**100,915**
**DESIGN FOR A BOTTLE**
James M. Guthrie, Pittsburgh, Pa.
Application March 11, 1938, Serial No. 75,765
Term of patent 7 years



The ornamental design for a bottle, substantially as shown and described.



**100,916**
**DESIGN FOR AN ADVERTISING FOLDER OR SIMILAR ARTICLE**
Kurt Hettler, New York, N. Y.
Application March 5, 1938, Serial No. 75,615
Term of patent 7 years



The ornamental design for an advertising folder or similar article substantially as shown and described.

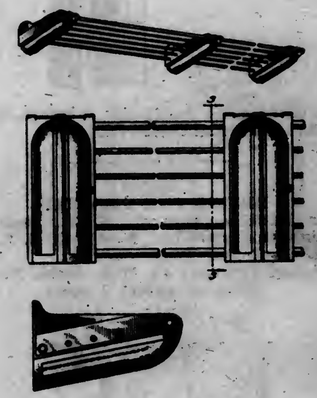
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**100,917**
**DESIGN FOR AN EGG TESTER**
Hermann Lukowski, New York, N. Y.
Application December 21, 1937, Serial No. 73,789
Term of patent 7 years



The ornamental design for an egg tester, as shown.

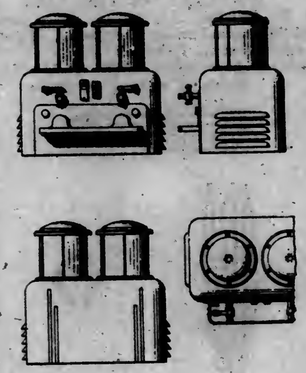
**100,918**
**DESIGN FOR A COMBINATION BAGGAGE RACK AND LIGHTING FIXTURE OR SIMILAR ARTICLE**
Sterling H. McDonald, Itasca, Ill., assignor to The Adlake Company, a corporation of Illinois
Application October 27, 1937, Serial No. 72,442
Term of patent 14 years



The ornamental design for a combination baggage rack and lighting fixture or similar article, substantially as shown.

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**100,919**
**DESIGN FOR A LIQUID DISPENSER**
Walter C. McHenry, Oakland, Calif., assignor to Buttermilk Dispensers, San Francisco, Calif., a partnership composed of Calvin C. Chapman, (limited partner) Louis G. Kaskey and Charles E. Gibbs (general partners)
Substituted for abandoned application Serial No. D-70,107, June 29, 1937. This application October 11, 1937, Serial No. 72,119
Term of patent 14 years



The ornamental design for a liquid dispenser, substantially as shown.

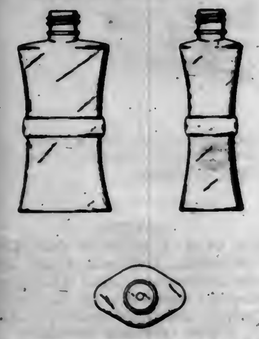
109,920
**DESIGN FOR A BOTTLE**
Frank McIntosh, New York, N. Y.
Application April 5, 1938, Serial No. 76,368
Term of patent 14 years



The ornamental design for a bottle, substantially as shown and described.

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109,921
**DESIGN FOR A BOTTLE**
Walter Nuckols, Summit, N. J., assignor to Helena Rubinstein Inc., New York, N. Y., a corporation of New York
Application February 15, 1938, Serial No. 75,153
Term of patent 7 years



The ornamental design for a bottle, as shown.

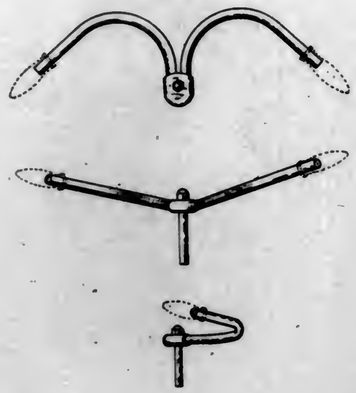
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109,922
**DESIGN FOR A HANDLE BAR GRIP FOR BICYCLES OR THE LIKE**
Ewald F. Pawsat, Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated, a corporation of Kentucky
Application March 23, 1938, Serial No. 76,033
Term of patent 14 years



The ornamental design for a handle bar grip for bicycles or the like, as shown.

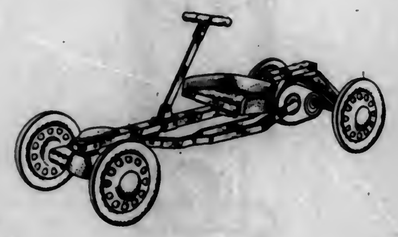
109,923
**DESIGN FOR A HANDLE BAR**
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application February 7, 1938, Serial No. 74,952
Term of patent 14 years



The ornamental design for a handle bar substantially as shown.

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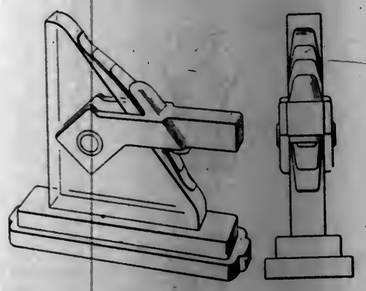
109,924
**DESIGN FOR A HANDCAR**
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application March 14, 1938, Serial No. 75,810
Term of patent 7 years



The ornamental design for a handcar substantially as shown.



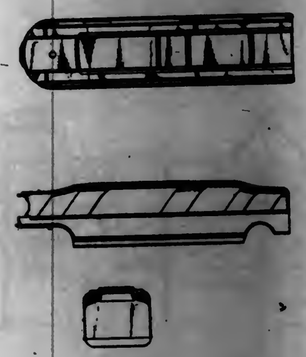
109,925
**DESIGN FOR AN ADVERTISING DISPLAY DEVICE FOR OPHTHALMIC MOUNTINGS**
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 30, 1937, Serial No. 71,868
Term of patent 14 years



The ornamental design for an advertising display device for ophthalmic mountings substantially as shown and described.

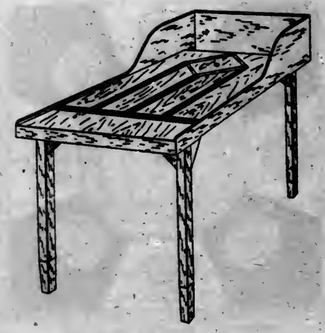
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109,926
**DESIGN FOR AN AUTOMOBILE TRANSPORT BODY**
James Redney Weeks, Birmingham, and Rudolph H. Helms, Melvindale, Mich., assignors to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan
Application April 12, 1937, Serial No. 68,715
Term of patent 14 years



The ornamental design for an automobile transport body substantially as shown and described.

109,927
**DESIGN FOR A GAME TABLE**
Henry Weissmueller, Milwaukee, Wis.
Application August 16, 1937, Serial No. 71,126
Term of patent 3½ years



The ornamental design for a game table, as shown.

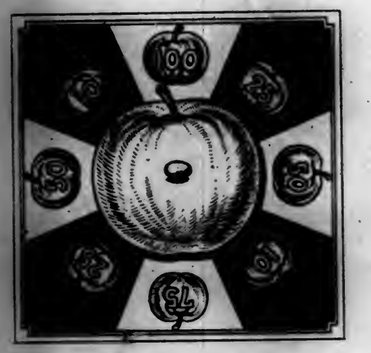
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109,928
**DESIGN FOR A BOTTLE**
Charles A. Williams, Winthrop, Mass., assignor to C. M. Kimball Company, Everett, Mass., a corporation of Massachusetts
Application April 6, 1938, Serial No. 76,325
Term of patent 7 years



The ornamental design for a bottle substantially as shown.

**109,929**
**DESIGN FOR A GAME BOARD OR SIMILAR ARTICLE**
Isidor S. Rosen, Brooklyn, N. Y.
Application April 4, 1938, Serial No. 76,273
Term of patent 3½ years



The ornamental design for a game board or similar article as shown, and described.

**109,930**
**DESIGN FOR A TAPE DISPENSER**
Jean Otis Reinecke, Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application March 29, 1938, Serial No. 76,159
Term of patent 14 years



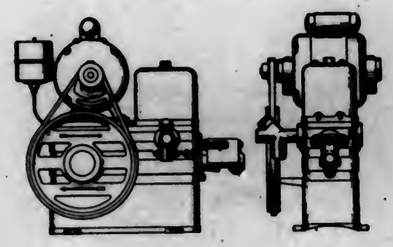
The ornamental design for a tape dispenser, as shown.

**109,931**
**DESIGN FOR A FOUNDATION GARMENT**
Jerome Abeles, Chicago, Ill., assignor to The Formfit Company, Chicago, Ill., a corporation of Illinois
Application September 18, 1937, Serial No. 71,676
Term of patent 7 years



The ornamental design for a foundation garment as shown.

**109,932**
**DESIGN FOR AN ELECTRIC OPERATED PUMP UNIT**
Vaughan L. Andrew, Superior, Wis.
Application August 16, 1937, Serial No. 71,102
Term of patent 7 years



The ornamental design for an electric operated pump unit, as shown.

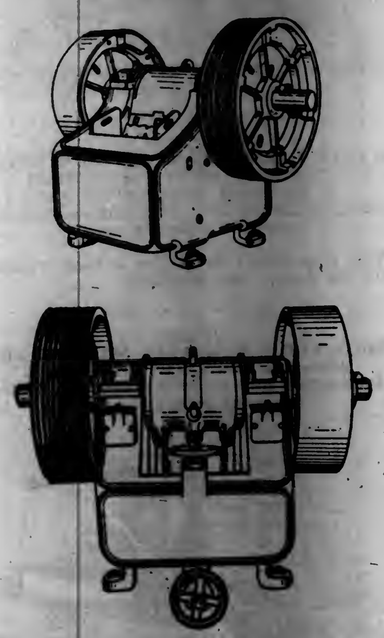


**109,933**
**DESIGN FOR A COAT**
Irving Cohen, New York, N. Y.
Application April 2, 1938, Serial No. 76,246
Term of patent 3½ years



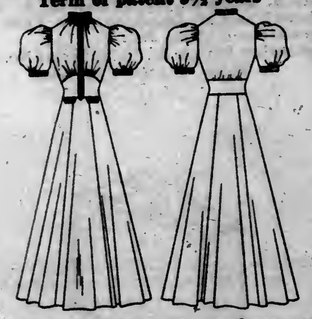
The ornamental design for a coat, substantially as shown and described.

**109,934**
**DESIGN FOR A CRUSHER**
Robert D. Conway, Cedar Rapids, Iowa, assignor to Universal Crusher Company, Cedar Rapids, Iowa, a corporation of Delaware
Application October 16, 1937, Serial No. 72,231
Term of patent 7 years



The ornamental design for a crusher, as shown.

**109,935**
**DESIGN FOR A DRESS**
Alice Engel, New York, N. Y.
Application May 3, 1938, Serial No. 76,953
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

**109,936**
**DESIGN FOR A COAT**
Joseph Henschel, New York, N. Y.
Application April 16, 1938, Serial No. 76,560
Term of patent 3½ years



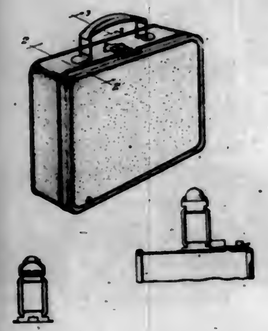
The ornamental design for a coat substantially as shown and described.

**109,937**
**DESIGN FOR A DRESS**
Rose La Gioia, New York, N. Y.
Application May 4, 1938, Serial No. 76,962
Term of patent 3½ years



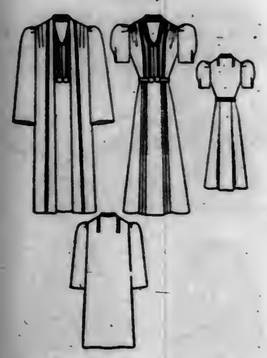
The ornamental design for a dress substantially as shown.

**109,938**
**DESIGN FOR A LUNCH BOX OR ANALOGOUS ARTICLE**
John Ballantyne Lightfoot, Seymour, Conn., and Louis A. Trevisan, Bloomfield, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 10, 1936, Serial No. 61,550
Term of patent 14 years



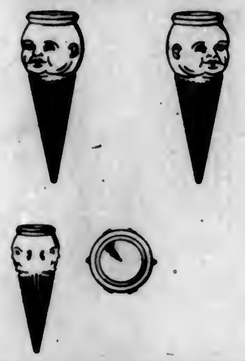
The ornamental design for a lunch box or analogous article, as shown.

**109,939**
**DESIGN FOR A DRESS ENSEMBLE**
Ben Machanoff, New York, N. Y.
Application April 22, 1938, Serial No. 76,688
Term of patent 3½ years



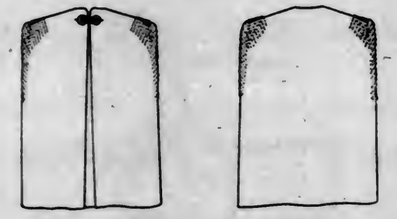
The ornamental design for a dress ensemble, substantially as shown.

**109,940**
**DESIGN FOR AN ICE CREAM CONE**
Michael A. Pecora, West Hazleton, Pa.
Application January 22, 1938, Serial No. 74,473
Term of patent 14 years



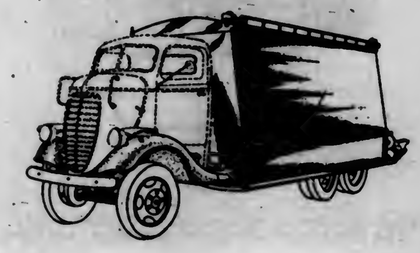
The ornamental design for an ice cream cone as shown and described.

**109,941**
**DESIGN FOR A CAPE**
Philip Schlessel, New York, N. Y.
Application February 16, 1938, Serial No. 75,164
Term of patent 3½ years



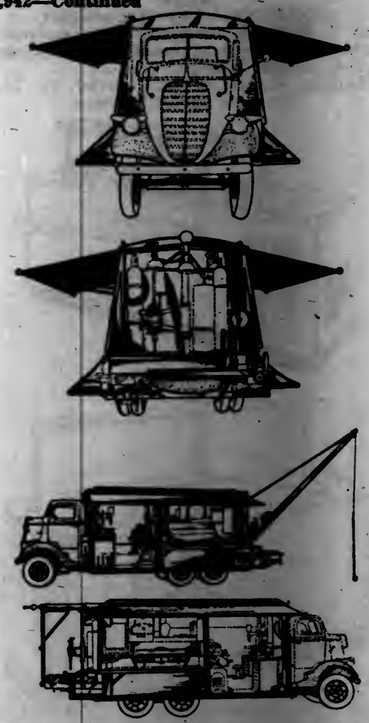
The ornamental design for a cape, substantially as shown, and described.

**109,942**
**DESIGN FOR A PORTABLE MACHINE SHOP**
Kibbey W. Couse, East Orange, N. J.
Application July 14, 1937, Serial No. 70,401
Term of patent 14 years





109,942—Continued



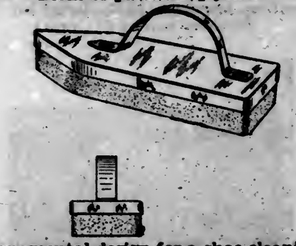
The ornamental design for a portable machine shop as shown and described.

**109,943**
**DESIGN FOR AN EMBROIDERED TEXTILE FABRIC OR A SIMILAR ARTICLE**
Rudolph Dannecker, Beacon, N. Y.
Application March 9, 1938, Serial No. 75,682
Term of patent 3½ years



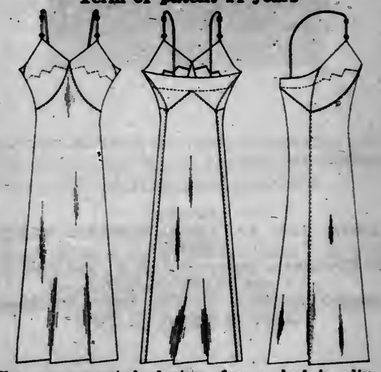
The ornamental design for an embroidered textile fabric or a similar article substantially as shown and described.

**109,944**
**DESIGN FOR A SHOE CLEANING BUFFER**
Herbert Daust, St. Louis, Mo.
Application June 3, 1937, Serial No. 69,661
Term of patent 3½ years



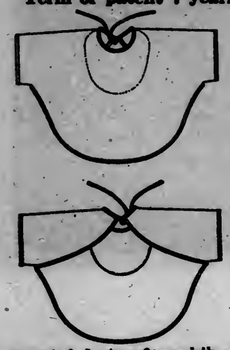
The ornamental design for a shoe cleaning buffer, substantially as shown and described.

**109,945**
**DESIGN FOR A LADY'S SLIP**
Samuel J. Dichter, New York, N. Y.
Application October 29, 1937, Serial No. 72,499
Term of patent 14 years



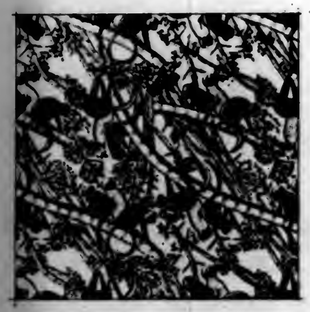
The ornamental design for a lady's slip as shown and described.

**109,946**
**DESIGN FOR A BIB**
Sara O. Downing, East Cleveland, Ohio
Application May 4, 1937, Serial No. 69,158
Term of patent 7 years



The ornamental design for a bib, as shown and described.

109,947
**DESIGN FOR A TEXTILE FABRIC**
Vallejo Gantner, Hollywood, Calif., assignor to Gantner & Mattern Company, San Francisco, Calif., a corporation of California
Application August 3, 1937, Serial No. 70,820
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

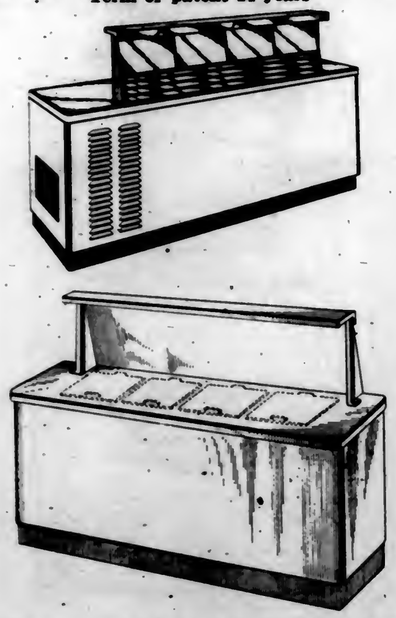
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109,948
**DESIGN FOR AN EMBROIDERED TEXTILE FABRIC**
Alex Grossman, Jersey City, N. J., and Ellis Axelrod, Brooklyn, N. Y.
Application April 11, 1938, Serial No. 76,413
Term of patent 3½ years



The ornamental design for an embroidered textile fabric substantially as shown.

109,949
**DESIGN FOR A FOOD CABINET**
Cyrus F. Hoffman, Trenton, N. J., assignor to C. V. Hill & Co., Inc., Trenton, N. J., a corporation of New Jersey
Application August 16, 1937, Serial No. 71,140
Term of patent 14 years



The ornamental design for a food cabinet substantially as shown and described.

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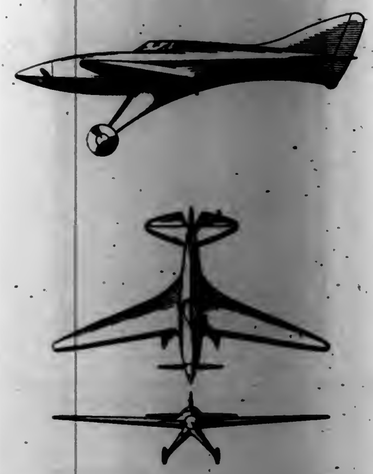
109,950
**DESIGN FOR A DECORATIVE COMB**
Stephen F. Kayn, New York, N. Y., assignor to Injection Moulding Corporation, New York, N. Y.
Application January 13, 1938, Serial No. 74,273
Term of patent 3½ years



The ornamental design for a decorative comb, as shown.



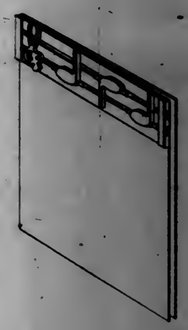
109,951
**DESIGN FOR AN AIRPLANE**
John Pavlecka, Detroit, Mich.
Application September 14, 1934, Serial No. 53,283
Term of patent 7 years



The ornamental design for an airplane, substantially as shown and described.

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109,952
**DESIGN FOR A MUSIC PORTFOLIO**
Louis F. Stafford, Syracuse, N. Y.
Application September 9, 1937, Serial No. 71,524
Term of patent 3½ years



The ornamental design for a music portfolio, substantially as shown.

109,953
**DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE**
Arnold Zavell, New York, N. Y.,
Application May 5, 1938, Serial No. 76,998
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

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109,954
**DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE**
Arnold Zavell, New York, N. Y.
Application May 5, 1938, Serial No. 76,999
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

109,955
**DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE**
Arnold Zavell, New York, N. Y.
Application May 5, 1938, Serial No. 77,001
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

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109,956
**DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE**
Arnold Zavell, New York, N. Y.
Application May 5, 1938, Serial No. 77,002
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

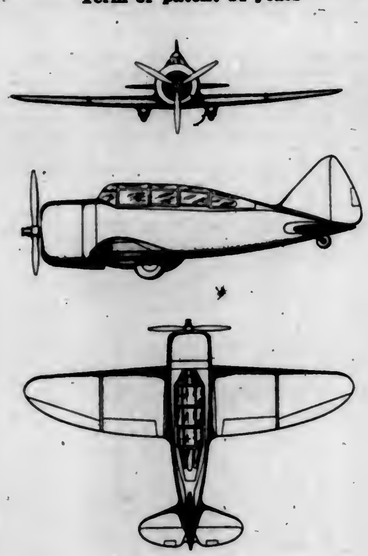
109,957
**DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE**
Arnold Zavell, New York, N. Y.
Application May 9, 1938, Serial No. 77,078
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

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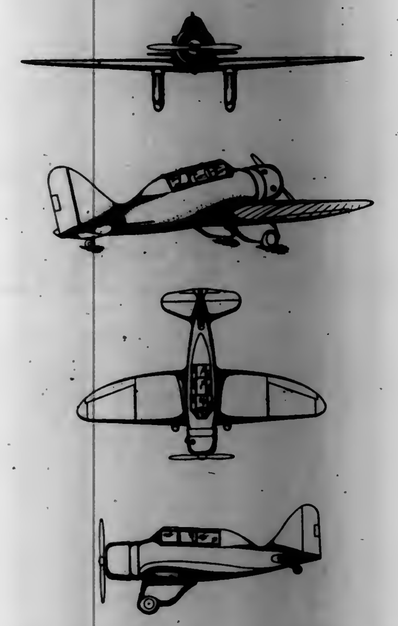
109,958
**DESIGN FOR AN AIRCRAFT**
Alexander P. de Seversky, Asharoken Beach, Northport, N. Y., assignor to Seversky Aircraft Corporation, Farmingdale, N. Y., a corporation of Delaware
Application November 9, 1937, Serial No. 72,715
Term of patent 14 years



The ornamental design for an aircraft, substantially as shown.



109,959
**DESIGN FOR AN AIRPLANE**
Alexander P. de Seversky, Asharoken Beach, Northport, N. Y., assignor to Seversky Aircraft Corporation, a corporation of Delaware
Application November 9, 1937, Serial No. 72,716
Term of patent 14 years



The ornamental design for an airplane, substantially as shown.

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109,960
**DESIGN FOR A TEXTILE FABRIC**
Theresa Emmerich, New York, N. Y.
Application May 13, 1938, Serial No. 77,144
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

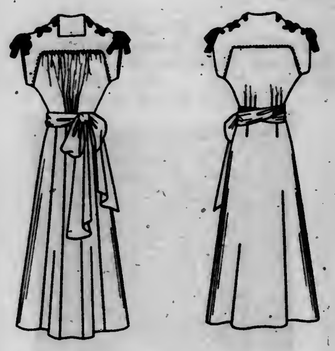
109,961
**DESIGN FOR A DRESS ENSEMBLE**
Sylvia Epstein, New York, N. Y.
Application May 3, 1938, Serial No. 76,951
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

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109,962
**DESIGN FOR A DRESS**
Pauline Fracchia, New York, N. Y.
Application May 5, 1938, Serial No. 76,990
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

109,963
**DESIGN FOR A DRESS**
Pauline Fracchia, New York, N. Y.
Application May 7, 1938, Serial No. 77,057
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

109,964
**DESIGN FOR A COMFORTABLE**
Lawrence Goodstein, New York, N. Y.
Application May 5, 1938, Serial No. 76,996
Term of patent 3½ years



The ornamental design for a comfortable, substantially as shown.

109,965
**DESIGN FOR A COMFORTABLE**
Lawrence Goodstein, New York, N. Y.
Application May 5, 1938, Serial No. 76,997
Term of patent 3½ years



The ornamental design for a comfortable, substantially as shown.

109,966
**DESIGN FOR A DECORATIVE EYELET**
Joseph Jacobs, Brooklyn, N. Y.
Application April 20, 1938, Serial No. 76,630
Term of patent 3½ years





The ornamental design for a decorative eyelet, as shown.

109,967
**DESIGN FOR A DRESS**
Louis L. Kashine, New York, N. Y.
Application May 5, 1938, Serial No. 76,995
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

109,968
**DESIGN FOR A TEXTILE FABRIC**
Louis Lazare, New York, N. Y.
Application April 22, 1938, Serial No. 76,695
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.



109,969
**DESIGN FOR A DRESS**
Mary Porpora, New York, N. Y.
Application May 5, 1938, Serial No. 76,988
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

109,970
**DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE**
Virginia Winston, Jackson Heights, N. Y.
Application May 11, 1938, Serial No. 77,117
Term of patent 3½ years



The ornamental design for a tablecloth or similar article, substantially as shown, and described.

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# UNITED STATES PATENT OFFICE

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VOLUME 491

JUNE

1938

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[Decisions of the United States Court of Appeals for the District of Columbia are indicated by the letter (ª); United States Court of Customs and Patent Appeals by a star (*); and of the Supreme Court of the United States by the letter (ª).]

421550

# LIST OF TRADE-MARK APPLICANTS

**PUBLISHED FOR OPPOSITION**

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abraham & Straus, Inc., Brooklyn, N. Y. Perfume, lipstick, sachet, etc. Serial No. 405,096; June 7. Class 6.

Acme Backing Corporation, New York and Brooklyn, N. Y. Processed piece goods. Serial No. 405,004; June 7. Class 50.

Aerial Explorations, Inc., Long Island City, N. Y. Measuring instrument. Serial No. 404,025; June 7. Class 26.

American-British Chemical Supplies, Inc., New York, N. Y. Chemical fluxes. Serial No. 404,678; June 7. Class 6.

American International Distributing Corporation, Los Angeles, Calif. Medical compound. Serial No. 405,236; June 7. Class 6.

American Temperature Indicating Company, The, Toledo, Ohio. Indicating, recording, and control instruments. Serial No. 404,024; June 7. Class 26.

Armor Tread Tire Corporation, Curtis Bay, Baltimore, Md. Tires and treads. Serial No. 383,797; June 7. Class 35.

Astone Products Co., Lansdale, Pa. Medicinal preparation. Serial No. 403,802; June 7. Class 6.

Atlas Canning Company, Inc., New York and Glendale, N. Y. Canned food for dogs, cats, etc. Serial No. 405,052; June 7. Class 46.

Awad, John E., Bethel, Conn. Fur skins. Serial No. 404,346; June 7. Class 1.

Axel, Leon A., New York, N. Y. Raincoats. Serial No. 403,899; June 7. Class 39.

Baltimore Pure Rye Distilling Company, The, Dundalk, Md. Pure rye whiskey. Serial Nos. 404,286–7; June 7. Class 49.

Bankers Box Company, Chicago, Ill. Drawer type files. Serial No. 398,305; June 7. Class 32.

Barrett-Cravens Company, Chicago, Ill. Material handling equipment. Serial No. 390,348; June 7. Class 23.

Barteldes Seed Company, The, Lawrence, Kans. Pop corn in its natural state. Serial No. 396,441; June 7. Class 46.

Behr-Flex, Inc., Manchester, N. H. Shoes, slippers and sandals. Serial No. 388,525; June 7. Class 39.

Bethlehem Steel Company, Bethlehem, Pa. Cement coated nails. Serial No. 404,695; June 7. Class 13.

Bette Beaux Co., Memphis, Tenn. Cleansing cream, wrinkle eradicator, turtle oil tissue cream, etc. Serial No. 405,100; June 7. Class 6.

Bick & Otter Company Limited, Montreal, Quebec, Canada. Wedding rings, finger rings, and jewelry. Serial No. 398,066; June 7. Class 28.

Birmingham Woodenware Company, Birmingham, Ala. Toilet tissue and toilet paper. Serial No. 404,071; June 7. Class 37.

Blechman, S., & Sons, Inc., New York, N. Y. Blankets, quilts, and carriage covers. Serial No. 405,286; June 7. Class 42.

Borges, Bernardino J., Lisbon, Portugal. Preserved fish and pickled olives. Serial No. 396,120; June 7. Class 46.

Carr's Inc., Janesville, Wis. Coffee. Serial No. 403,579; June 7. Class 46.

Cashmore, Frances L., doing business as Dorox Laboratories, New York, N. Y. Eye wash. Serial No. 405,149; June 7.

Cauchois, Félix J., Hussigny-Godbrange, Meurthe-et-Moselle, France. Medicinal tablets. Serial No. 398,514; June 7. Class 6.

Cauchois, Félix J., Hussigny-Godbrange, Meurthe-et-Moselle, France. Medicinal tablets. Serial No. 398,520; June 7. Class 6.

Cleary, W. A., Corporation, New Brunswick, N. J. Vegetable oil. Serial No. 400,560; June 7. Class 46.

Coen, Garnet W., doing business as Desert Wonder Products Company, Los Angeles, Calif. Skin conditioning preparation. Serial No. 401,543; June 7. Class 6.

Coffee Products Corporation, New York, N. Y. Glass containers. Serial No. 396,207; June 7. Class 2.

Cohen, Goldman & Co. Inc., New York, N. Y. Outer garments. Serial No. 405,014; June 7. Class 39.

Cohen, Goldman & Co. Inc., New York, N. Y. Coats, vests, pants, etc. Serial No. 405,104; June 7. Class 39.

Communication Instruments, Inc., New York, N. Y. Electrical and radio instruments and devices. Serial No. 382,973; June 7. Class 26.

Commonwealth Shoe and Leather Company, Whitman, Mass. Men's shoes. Serial No. 404,602; June 7. Class 39.

Cortland Line Company, Inc., Cortland, N. Y. Fish lines. Serial Nos. 405,592–3; June 7. Class 22.

Cos-Tal Laboratories Co. (See Hitt, Alvin M.)

Cyclone Seeder Company, The, Urbana, Ind. Hand seed sowers. Serial No. 404,205; June 7. Class 23.

Daniels, Claude H., East Portchester, Conn. Boots and shoes. Serial No. 390,506; June 7. Class 39.

Danzig, Samuel, New York, N. Y. Hat bodies. Serial No. 403,678; June 7. Class 39.

Davis, A., & Sons, Inc., Jersey City, N. J., and New York, N. Y. Periodicals or trade paper. Serial No. 403,241; June 7. Class 38.

Davis, P. H., Tailoring Company, The, Cincinnati, Ohio. Men's clothing. Serial No. 405,105; June 7. Class 39.

De Botelho, Martin, New York, N. Y. Toilet water and perfume. Serial Nos. 404,451–2; June 7. Class 6.

Debrie, André L. V. C., doing business as Etablissements André Debrie, Paris, France. Cinematographic apparatus. Serial No. 402,851; June 7. Class 26.

Decker, Alfred, & Cohn, Inc., Chicago, Ill. Women's topcoats. Serial No. 404,295; June 7. Class 39.

De Mott, Helen B., Santa Barbara, Calif. Shoe bags. Serial No. 400,050; June 7. Class 2.

Desert Wonder Products Company. (See Coen, Garnet W.)

Dezauche & Son, Opelousas, La. Fresh vegetables. Serial No. 404,887; June 7. Class 46.

Dictograph Products Company, Inc., New York, N. Y. Radio and telephone receiving devices and equipment and parts thereof. Serial No. 398,098; June 7. Class 21.

Dorox Laboratories. (See Cashmore, Frances E.)

Electro-Medical Laboratory, Inc., Holliston, Mass. Amplifying and oscillograph recording systems. Serial No. 403,236; June 7. Class 26.

Embury Manufacturing Company, Warsaw, N. Y. Flares. Serial No. 399,830; June 7. Class 34.

Ensminger, Doctor George H., Chicago, Ill. Eye lotion. Serial No. 405,243; June 7. Class 6.

Esquire Features, Inc., Chicago, Ill. Newspaper cartoons. Serial No. 393,026; June 7. Class 38.

Est-A-Mae Company. (See Massey, E. E.)

Etablissements André Debrie. (See Debrie, André L. V. C.)

Exposed Publishing Company. (See Stein, Leon.)

Fabric Products Manufacturing Co., Chicago, Ill. Coats, capes, and sport jackets. Serial No. 401,265; June 7. Class 39.

Farm Tools, Inc., Mansfield, Ohio. Disc harrows. Serial No. 402,939; June 7. Class 23.

Fem-I-Gene Laboratories, Oakland, Calif. Antiseptic. Serial No. 389,511; June 7. Class 6.

Femitect Company, Pittsburgh, Pa. Preparations for feminine hygiene and a deodorant. Serial No. 403,349; June 7. Class 6.

Finch, Joseph S., and Company, New York, N. Y., and Schenley, Pa. Whiskey, gin, rum, brandy, etc. Serial No. 405,551; June 7. Class 49.

Foley and Company, Chicago, Ill. Vitamin compound. Serial No. 399,703; June 7. Class 6.

Fuller Products Co., Chicago, Ill. Body deodorant. Serial No. 403,504; June 7. Class 6.

Gatke Corporation, Chicago, Ill. Brake lining. Serial No. 405,493; June 7. Class 35.

Gaynes Clothing Corp., New York, N. Y. Clothing. Serial No. 400,689; June 7. Class 39.

General Chemical Company, New York, N. Y. Nitric acid. Serial No. 401,664; June 7. Class 6.

General Tire & Rubber Company, The, Akron, Ohio. Heel cushions. Serial No. 404,987; June 7. Class 39.

Gimbel Brothers, Inc., New York, N. Y. Children's underwear. Serial No. 405,156; June 7. Class 39.

Goldberg, Samuel, Brighton Beach, Brooklyn, N. Y. Toy punching bag. Serial No. 405,292; June 7. Class 22.

Goldmark, Adolph, & Sons Corp., New York, N. Y. Olives, olive oil, spices, etc. Serial No. 403,683; June 7. Class 46.

Goldwaters Mercantile Co., Phoenix, Ariz. Dresses. Serial No. 402,062; June 7. Class 39.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Cushions, pillows, mattresses, etc. Serial No. 405,722; June 7. Class 32.

Gorman, Frances L., doing business as Indian Herb Company, Kansas City, Mo. Alterative and reconstructive tonic. Serial No. 405,069; June 7. Class 6.

Great Eastern Industrial Co., doing business as Great Eastern Food Products Company, Los Angeles, Calif. Soy cheese, soy milk, soy cake, etc. Serial No. 403,311; June 7. Class 46.

Greene, Albert M., Ashland, Mass. Fresh peaches. Serial No. 399,964; June 7. Class 46.

Gruen Watch Company, The, Cincinnati and Time Hill, Cincinnati, Ohio. Wrist watches. Serial No. 405,388; June 7. Class 27.

Hadley-Hubbard Company, Boston and Roxbury, Mass. Valve seats. Serial No. 405,356; June 7. Class 13.

Haig & Haig Limited, Glasgow, Scotland. Scotch whisky. Serial No. 402,092; June 7. Class 49.

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Hall, Burton, New York, N. Y. Stretchable fabric. Serial No. 403,766; June 7. Class 42.
Hall, Franklin H., Kenton, Ohio. Concentrated preparation for making a nutritious and nourishing food beverage. Serial No. 393,534; June 7. Class 46.
Hallenscheid & McDonald, Los Angeles, Calif. Wall bathroom accessories. Serial No. 401,482; June 7. Class 13.
Hazen, Ray H., Philadelphia, Pa. Horse-drawn carriages and wagons. Serial No. 404,711; June 7. Class 19.
Heberlee, Isabelle F., doing business as Heberlee's Air-Lite Bedding Co., Seattle, Wash. Filled comforters and blankets. Serial No. 404,759; June 7. Class 42.
Hebrew National Kosher Sausage Company, Inc., New York, N. Y. Various forms of sausage. Serial No. 402,150; June 7. Class 46.
Hitt, Alvin M., doing business as Cos-Tal Laboratories Co., Savannah, Ga. Nose drops, cold and fever tonics, etc. Serial No. 393,852; June 7. Class 6.
Hodges Carpet Company, Indian Orchard, Mass. Woven fiber fabrics. Serial No. 405,298; June 7. Class 42.
Hoefer, Julie B., St. Louis, Mo. Perfumes. Serial No. 403,129; June 7. Class 6.
Homecraft Manufacturing Co., Inc., New York, N. Y. Hassocks. Serial No. 405,255; June 7. Class 32.
Indian Herb Company. (See Gorman, Frances L.)
International Latex Corporation, Rochester, N. Y. Bathing caps, latex pants for babies, etc. Serial No. 382,979; June 7. Class 39.
International Mutoscope Reel Co. Inc., New York, N. Y. Electrically operated advertisement display devices. Serial No. 389,462; June 7. Class 21.
Jadwiga Remedies, Inc., Brooklyn, N. Y. Medicinal wine. Serial No. 398,317; June 7. Class 6.
Jamestown Worsted Mills, Jamestown and New York, N. Y. Woolen and worsted piece goods. Serial No. 404,899; June 7. Class 42.
Jay-Thorpe, Inc., New York, N. Y. Perfumes, perfume extracts, bulk perfume, etc. Serial No. 402,300; June 7. Class 6.
Jay-Thorpe, Inc., New York, N. Y. Perfumes, perfume extracts, bulk perfume, etc. Serial No. 402,528; June 7. Class 6.
Jordan Marsh Company, Boston, Mass. Refrigerators. Serial No. 403,693; June 7. Class 31.
Kearney, James R., Corporation, St. Louis, Mo. Grips for electric cable. Serial No. 397,579; June 7. Class 21.
Kelley, Benjamin F., Tulsa, Okla. Game boards. Serial No. 405,650; June 7. Class 22.
Ko-Nay Products, Los Angeles, Calif. Chemical nicotine stain remover. Serial No. 403,698; June 7. Class 6.
Laboratoires Crinex-Uve. (See Societe en Nom Collectif Beaune & Bourck.)
Lang, C. C., & Son, Inc., Baltimore, Md. Pickles, pickled onions, and sweet relishes, etc. Serial No. 403,550; June 7. Class 46.
Lenox, Incorporated, Trenton, N. J. Bric-a-brac. Serial No. 403,655; June 7. Class 50.
Levine, Max, & Co., New York, N. Y. Ladies' and misses' coats and suits. Serial No. 404,718; June 7. Class 39.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 405,122; June 7. Class 6.
Loeser Laboratory, Incorporated, New York, N. Y. Nose drops and nose spray. Serial No. 404,944; June 7. Class 6.
London & Company, Inc., Elizabeth, N. J. Bourbon whiskey. Serial No. 405,123; June 7. Class 49.
Loomtogs, Inc., New York, N. Y. Women's and misses' bathing suits, bathing capes, slacks, etc. Serial No. 404,368; June 7. Class 39.
Macy, R. H., & Co., Inc., New York, N. Y. Typewriters, knives, spatulae, etc. Serial No. 404,860; June 7. Class 23.
Madaus, Dr., & Co., Radebeul, Germany. Garlic oil and capsules filled with garlic oil. Serial No. 391,138; June 7. Class 6.
Manhattan Shirt Company, The, New York, N. Y. Handkerchiefs. Serial No. 404,479; June 7. Class 39.
Massey, E. E., doing business as Est-A-Mae Company, Kansas City, Kans. Hand lotion and cold cream. Serial No. 402,640; June 7. Class 6.
Match King, Inc., Chicago, Ill. Electric razors. Serial No. 404,946; June 7. Class 23.
Meyercord Company, The, Chicago, Ill. Decalcomanias. Serial No. 403,776; June 7. Class 38.
Michigan Bean Company, Saginaw, Mich. Navy beans. Serial No. 404,815; June 7. Class 46.
Midland Flour Milling Company, The, Kansas City, Mo. Wheat flour. Serial No. 405,365; June 7. Class 46.
Midland Shoe Company, St. Louis, Mo. Ladies' shoes. Serial No. 397,546; June 7. Class 39.
Miller, Rudolph W., doing business as Miller Felpax Company, Winona, Minn. Lubricator fillers for journal boxes. Serial No. 405,309; June 7. Class 35.
Modern Health Products, Milwaukee, Wis. Honey mint, garlic tablets, reducing beverage, etc. Serial No. 337,535; June 7. Class 6.
Morris, Graham & Co., Battle Creek, Mich. Liniment; and a compound to be taken internally for the treatment of rheumatism, etc. Serial No. 403,140; June 7. Class 6.
Motherway, Joseph J., doing business as J. J. Motherway & Co., St. Louis, Mo. Carbon papers and inked ribbons. Serial No. 391,296; June 7. Class 11.
Murley-Rolleston Corporation, New York, N. Y. Electromedical and electro-surgical apparatus. Serial No. 404,579; June 7. Class 44.
Mutual Orange Distributors, Redlands, Calif. Beverages, concentrates, and extracts for making same. Serial No. 405,311; June 7. Class 45.
Mutual Orange Distributors, Redlands, Calif. Canned citrus juices for beverage purposes. Serial No. 405,313; June 7. Class 45.
National Adhesives Corporation, New York, N. Y. Glues, adhesive gums, pastes, etc. Serial No. 404,537; June 7. Class 5.
New England Fibre Blanket Company, Worcester, Mass. Cloth. Serial No. 404,260; June 7. Class 42.
Nosler, Samuel M., Coquille, Oreg. Preparation for the relief of muscular aches and pains, sore, tired, and aching feet, etc. Serial No. 403,182; June 7. Class 6.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, brandy, etc. Serial No. 405,459; June 7. Class 49.
Overland Petroleum Corporation, Brooklyn, N. Y. Lubricating oil. Serial No. 382,166; June 7. Class 15.
Owen Silent Spring Company, Inc., The, Bridgeport, Conn. Mattress springs. Serial Nos. 405,178–80; June 7. Class 32.
Paddington Corporation, The, New York, N. Y. Whiskies, gin, rum, etc. Serial No. 405,034; June 7. Class 49.
Patti Bros. Accordion Mfg. Co., Milwaukee, Wis. Accordions. Serial No. 400,170; June 7. Class 36.
Peck & Peck, New York, N. Y. Raincoats. Serial No. 404,538; June 7. Class 39.
Penick & Ford, Ltd., Incorporated, New York, N. Y. Prepared dessert powders. Serial No. 402,693; June 7. Class 46.
Penn Dry Goods Company, Philadelphia, Pa. Woolen blankets. Serial No. 401,755; June 7. Class 42.
Pennsylvania Distilling Co., Inc., Logansport, Pa. Whiskey. Serial Nos. 405,889–90; June 7. Class 49.
Pennwell Oil & Belting Co., Inc., New York, N. Y. Leather belting. Serial No. 405,519; June 7. Class 35.
Pohatcong Hosiery Mills, Inc., Washington, N. J. Ladies' full fashioned silk hosiery. Serial No. 405,081; June 7. Class 39.
Pollack, Jacob, & Sons, New York, N. Y. Overcoats and topcoats. Serial No. 404,906; June 7. Class 39.
Potts, Robert M., doing business as The Try-Me Bait Company, Dayton, Ohio. Fish bait and decoy minnows. Serial No. 405,738; June 7. Class 22.
Quarzlampen Gesellschaft mit beschrankter Haftung, Hanau, Germany. Apparatus for making prints. Serial No. 397,299; June 7. Class 26.
Rattan Products Mfg. Co. Inc., Los Angeles, Calif. Rattan furniture. Serial No. 400,793; June 7. Class 32.
Reliance Manufacturing Company, Chicago, Ill. Work shirts, work pants, and work jackets. Serial No. 405,270; June 7. Class 39.
Resinous Products & Chemical Company, The, Philadelphia, Pa. Agent for preventing the formation of foam in the manufacture of paper, etc. Serial No. 397,346; June 7. Class 6.
Rosen & Jacoby, New York, N. Y. Doll wigs. Serial No. 402,444; June 7. Class 22.
Royal Packing Co., Los Angeles, Calif. Preserved peeled chile and preserved California pimientos. Serial No. 370,965; June 7. Class 46.
Saco-Lowell Shops, Boston, Mass., assignor to Saco-Lowell Shops, Biddeford, Maine. Weighting systems. Serial No. 398,292; June 7. Class 23.
Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Spades, rakes, crowbars, etc. Serial No. 403,018; June 7. Class 23.
San-Ol Mfg. Co., Atlanta, Ga. Dental drugs. Serial No. 403,469; June 7. Class 6.
Scheidemann Remedy Company, Milwaukee, Wis. Tea for diabetes, albumin kidneys, and bladder disorders. Serial No. 398,939; June 7. Class 6.
Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. Serial No. 405,134; June 7. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Automobile radiator hose. Serial No. 405,411; June 7. Class 35.
Shapiro Glove Co., Inc., New York, N. Y. Gloves. Serial No. 404,819; June 7. Class 39.
Shawinigan Products Corporation, New York, N. Y. Polyvinyl acetate resins. Serial Nos. 405,136–7; June 7. Class 1.
Shiman Bros. & Co., Inc., New York, N. Y. Finger rings. Serial No. 403,737; June 7. Class 28.
Siegel, A., & Sons, Inc., New York, N. Y. Cigars. Serial No. 404,956; June 7. Class 17.
Sitkin, John J., doing business as Dental Research Company, Los Angeles, Calif. Plastic denture bases, plastic dental repair material, etc. Serial No. 402,448; June 7. Class 44.



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Skjelborg, Axel H., New York, N. Y. Wine. Serial No. 404,271; June 7. Class 47.
Soby Studio, The, Kansas City, Mo. Works of art. Serial No. 403,020; June 7. Class 38.
Societe Centrale de la Parfumerie Francaise, Inc., Wilmington, Del. Perfumes. Serial No. 405,183; June 7. Class 6.
Societe en Nom Collectif Beaune & Bourck, doing business as Laboratories Crinex-Uve, Paris, France. Ovarian extract. Serial Nos. 398,501–3; June 7. Class 6.
Southern Friction Materials Company, Charlotte, N. C. Brake lining. Serial No. 397,986; June 7. Class 35.
Southern Grocery Stores, Inc., Atlanta, Ga. Self-rising flour. Serial No. 405,326; June 7. Class 46.
Spiegel & Sons Company, Dallas, Tex. Medical cabinets. Serial No. 395,773; June 7. Class 44.
Spra-O-Way Products Co., Seattle, Wash. Fluid for cleaning and removing dirt from fabrics. Serial No. 401,682; June 7. Class 4.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Denaturants, gas odorants, liquid petrolatum, etc. Serial No. 405,422; June 7. Class 6.
Stein, Leon, doing business as Exposed Publishing Company, New York, N. Y. Magazine. Serial No. 404,870; June 7. Class 38.
Stein, S., & Co., New York, N. Y. Woolen goods. Serial No. 390,424; June 7. Class 42.
Stieff, Chas. M., Incorporated, Baltimore, Md. Pianos. Serial No. 404,860; June 7. Class 36.
Superlatex Products Inc., New York, N. Y. Products made from a latex composition. Serial No. 403,062; June 7. Class 50.
Super-Power Spark Plug Co., Oakland, Calif. Spark plugs. Serial No. 390,187; June 7. Class 21.
Sure-Catch Lure Company, Irvington, N. J. Fish lures. Serial No. 405,531; June 7. Class 22.
Termax Co. Inc., Minneapolis, Minn. Insecticide. Serial No. 401,961; June 7. Class 6.
Tex-O-Kan Flour Mills Company, Dallas, Tex. Wheat flour. Serial No. 402,034; June 7. Class 46.
Trimount Clothing Co. Inc., Boston, Mass. Overcoats, topcoats, suits, etc. Serial No. 405,087; June 7. Class 39.
Try-Me Bait Company, The. (See Potts, Robert M.)
Tycoon Tackle, Inc., Miami, Fla. Fishing rods. Serial No. 404,193; June 7. Class 22.
Tycoon Tackle, Inc., Miami, Fla. Fishing rods. Serial No. 404,196; June 7. Class 22.
Universal Camera Corporation, New York, N. Y. Moving picture projection screens. Serial No. 404,967; June 7. Class 26.
Universal Camera Corporation, New York, N. Y. Photographic lenses. Serial No. 404,968; June 7. Class 26.
Vick Chemical Company, New York, N. Y. Analgesic tablets and laxative tablets. Serial No. 404,670; June 7. Class 6.
Wald, Ross, Inc., New York, N. Y. Men's soft felt hats. Serial No. 402,960; June 7. Class 39.
Washington Breweries, Inc., Columbus, Ohio. Beer. Serial No. 404,594; June 7. Class 48.
Weslaco Citrus Association, Weslaco, Tex. Fresh citrus fruits. Serial No. 401,635; June 7. Class 46.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric washers and ironers. Serial No. 404,970; June 7. Class 24.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Combination shelves and storage bin covers in refrigerators. Serial No. 405,277; June 7. Class 31.
Wieland, C. J., & Son, Inc., Chicago, Ill. Milk, cream, buttermilk, etc. Serial No. 383,244; June 7. Class 46.
Willson Products, Inc., Reading, Pa. Protection glass for sight openings of helmets and goggles. Serial No. 404,149; June 7. Class 26.
Wilson Detectograph, Inc., Los Angeles, Calif. Card games. Serial No. 405,537; June 7. Class 22.
Windsor Lloyd Products, Inc., Wilmington, Del. Razor blades. Serial No. 403,573; June 7. Class 23.

# LIST OF REGISTRANTS OF TRADE-MARKS

Allied Knitting Mills, New York, N. Y. Neckties, mufflers, gloves, etc. 357,476; June 7; Serial No. 399,988; published Feb. 15, 1938. Class 39.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Toilet tissue. 357,544; June 7; Serial No. 401,417; published Mar. 29, 1938. Class 37.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Ironing boards, pads and covers, wash boilers, etc. 357,545; June 7; Serial No. 401,419; published Mar. 1, 1938. Class 24.
American Colortype Company, Chicago, Ill. Trade journal. 357,505; June 7; Serial No. 401,761; published Mar. 29, 1938. Class 38.
American Hair Design Institute, Inc., The, New York, N. Y. Hair tonic, sampoos, face powder, etc. 357,640; June 7. Class 6.
American Hard Rubber Company, Hempstead and New York, N. Y. Combs. 357,455; June 7; Serial No. 398,802; published Mar. 29, 1938. Class 40.
American Lead Pencil Company, New York, N. Y. Erasers. 357,467; June 7; Serial No. 399,436; published Mar. 1, 1938. Class 37.
American Maize-Products Company, New York, N. Y. Corn starch. 357,588; June 7; Serial No. 402,080; published Mar. 29, 1938. Class 46.
American Merchandise Co. Inc., New York, N. Y. Synthetic plastic material. 357,501; June 7; Serial No. 402,169; published Mar. 29, 1938. Class 1.
American Transformer Company, Newark, N. J. Electrical insulating fluid. 357,506; June 7; Serial No. 400,803; published Mar. 29, 1938. Class 21.
Andre (Components) Limited, London, England. Liquid atomising apparatus. 357,491; June 7; Serial No. 400,489; published Mar. 29, 1938. Class 23.
Animal Rescue League of Boston, The, Boston, Mass. Magazine. 357,593; June 7; Serial No. 402,212; published Mar. 29, 1938. Class 38.
Ansonia De Luxe Shops, Inc., New York, N. Y. Shoes and sandals. 357,660; June 7. Class 39.
Apothecaries Hall Company, Waterbury, Conn. Fertilizers. 123,314; renewed Oct. 29, 1938.
Atlantic Macaroni Co., The, assignor to The Atlantic Macaroni Co., Inc., Long Island City, N. Y. Macaroni, vermicelli, and noodles. 122,003; renewed June 18, 1938.
B. V. D. Corporation, The, Baltimore, Md. Men's combined girdle and knitted shorts. 357,581; June 7; Serial No. 401,978; published Mar. 15, 1938. Class 39.
Ballantyne, D., Brothers & Company, Limited, Peebles, Scotland. Piece goods. 357,621; June 7; Serial No. 402,673; published Mar. 29, 1938. Class 42.
Baltimore Bargain House, Baltimore, Md., to Butler Brothers, Chicago, Ill., successor. Unbleached sheeting. 122,005; renewed June 18, 1938.
Barker Bros., Incorporated, Los Angeles, Calif. Residential and office furniture. 357,628; June 7; Serial No. 402,998; published Mar. 29, 1938. Class 32.
Bates Manufacturing Company, Lewiston, Maine. Bedspreads. 123,189; renewed Oct. 22, 1938.
Beautee-Fit Company, Inc., Los Angeles, Calif. Brassieres, foundation garments, corsets, etc. 357,533; June 7; Serial No. 401,289; published Mar. 1, 1938. Class 39.
Beck, A. S., Shoe Corporation, New York, N. Y. Shoes and slippers. 357,500; June 7; Serial No. 400,679; published Feb. 15, 1938. Class 39.
Beckman Paper and Card Company, Inc., New York, N. Y., assignor, by mesne assignments, to Butler Paper Corporation, Chicago, Ill. Writing and printing papers. 122,178; renewed July 9, 1938.
Bellingar & Covington, Morrill, Nebr. Potatoes. 357,653; June 7. Class 46.
Bendix Aviation Corporation, South Bend, Ind. Radio equipment and communication systems and equipment and parts and accessories therefor. 357,382; June 7; Serial No. 383,250; published Mar. 29, 1938. Class 21.
Berger, Louis J., & Sons, New York, N. Y. Hats and caps. 357,464; June 7; Serial No. 399,267; published Mar. 29, 1938. Class 39.
Besbee Products Corporation, Trenton, N. J. Electrical signs, sign panels and flashers and contacts. 357,392; June 7; Serial No. 389,903; published Mar. 29, 1938. Class 21.
Bethlehem Steel Company. (See Williamsport Wire Rope Company, assignor.)
Black & Decker Manufacturing Company, The, Towson, Md. Brushes. 357,427; June 7; Serial No. 396,662; published Nov. 9, 1937. Class 29.
Bloomingdale Bros., Inc., New York, N. Y. Shoes. 357,637; June 7. Class 39.
Blossom Manufacturing Co., New York, N. Y. Handkerchiefs and scarfs. 357,589; June 7; Serial No. 402,085; published Mar. 15, 1938. Class 39.
Blush Products Company. (See Klonder, Harry T.)
Bohemian Distributing Co. Ltd., Los Angeles, Calif. Wines. 357,377; June 7; Serial No. 372,507; published Mar. 29, 1938. Class 47.
Bon Marche, The. (See Allied Stores Corporation.)
Borg-Warner Corporation, Detroit, Mich. Air conditioning units. 357,407; June 7; Serial No. 394,313; published Mar. 29, 1938. Class 34.
Boschen, Sigurd, Bergen, Norway. Canned sardines. 357,445; June 7; Serial No. 398,087; published Mar. 8, 1938. Class 46.

Botany Worsted Mills, Passaic, N. J. Neckties. 357,410; June 7; Serial No. 394,931; published Sept. 7, 1937. Class 39.

Box Lunch Publishing Co. (See Yates, James V.)

Braun Baking Company, Pittsburgh, Pa. Doughnuts. 357,447; June 7; Serial No. 398,346; published Mar. 29, 1938. Class 46.

Braunstein Freres, Incorporated, New York, N. Y. Cigarette papers. 357,611; June 7; Serial No. 402,607; published Mar. 29, 1938. Class 8.

Brisacher, Emil, doing business as Emil Brisacher & Staff, San Francisco, Calif. Periodical program skits for radio stations. 357,592; June 7; Serial No. 402,174; published Mar. 22, 1938. Class 38.

Broune Shirt Co., Hudson Falls, N. Y. Outer shirts and pajamas. 357,530; June 7; Serial No. 401,368; published Mar. 29, 1938. Class 39.

Brooks Appliance Company, Marshall, Mich., and Chicago, Ill. Trusses for use with injection treated hernia. 357,643; June 7. Class 44.

Brown & Wells, Inc., Boston, Mass. Neckties, bath robes, pajamas, etc. 357,437; June 7; Serial No. 397,433; published Mar. 15, 1938. Class 39.

Brown, W. Hoover, doing business as Wyandot Popcorn Co., Marion, Ohio. Shelled pop corn. 357,478; June 7; Serial No. 400,179; published Mar. 29, 1938. Class 46.

Bruno & Solazzo, New York, N. Y. Bottled coffee beverage. 357,459; June 7; Serial No. 398,983; published Mar. 29, 1938. Class 46.

Buerlot, Frank E., St. Louis, Mo. Photographic prints and enlargements. 357,597; June 7; Serial No. 402,245; published Mar. 22, 1938. Class 38.

Butler Brothers. (See Baltimore Bargain House.)

Butler Paper Corporation. (See Beekman Paper and Card Company, Inc., assignor.)

Candee, L., & Company, New Haven, Conn., assignor to United States Rubber Company, New York, N. Y. Rubber boots and shoes. 122,575; renewed Aug. 27, 1938.

Cannon Mills Company, Kannapolis, N. C. Hosiery. 357,598; June 7; Serial No. 402,246; published Mar. 29, 1938. Class 39.

Celanese Corporation of America, New York, N. Y. Fabrics. 357,626–7; June 7; Serial Nos. 402,933–4; published Mar. 29, 1938. Class 42.

Central Corporation "Sojuspuschnina", Moscow, U. S. S. R. Fur skins and pelts. 357,404; June 7; Serial No. 393,580; published Mar. 29, 1938. Class 1.

Chase & Sanborn, Boston, Mass., assignor to Standard Brands Incorporated, New York, N. Y. Coffee. 122,783; renewed Sept. 17, 1938.

Chemical Industries Corporation, Indianapolis, Ind. Lipoprotein-nucleic acid complex. 357,635; June 7. Class 6.

Chic Manufacturing Company, Peoria, Ill. Women's wearing apparel. 357,561; June 7; Serial No. 401,726; published Mar. 29, 1938. Class 39.

Chicago Golf Ball Company, Inc., Chicago, Ill. Golf clubs, golf balls, and golf bags. 357,661; June 7. Class 22.

Chopak Textile Co. Inc., New York, N. Y. Rayon and acetate cloth. 357,489; June 7; Serial No. 400,453; published Mar. 29, 1938. Class 42.

Ciano, John E., doing business as Rexton Press, New York, N. Y. Trade magazine. 357,452; June 7; Serial No. 398,665; published Mar. 29, 1938. Class 38.

College Pointers, College Point, N. Y. Wearing apparel. 357,534; June 7; Serial No. 401,296; published Mar. 22, 1938. Class 39.

Comey, E. H., Brooklyn Company, Inc., Brooklyn, N. Y. Braids used in the manufacture of hats. 357,582; June 7; Serial No. 401,986; published Mar. 15, 1938. Class 40.

Comlett, Harry, & Co., New York, N. Y. Blouses, dresses, and sweaters. 357,518; June 7; Serial No. 401,048; published Feb. 22, 1938. Class 39.

Congoleum Company, The, Philadelphia, Pa., assignor to Congoleum-Nairn Inc., Kearney, N. J. Floor-coverings. 122,686; renewed Sept. 10, 1938.

Contour Hosiery Mills, Rockford, Ill. Hosiery. 357,615; June 7; Serial No. 402,584; published Mar. 29, 1938. Class 39.

Corn Products Sales Company, New York, N. Y. Publication. 357,601; June 7; Serial No. 402,290; published Mar. 22, 1938. Class 38.

Cort Shoes, Inc., Cleveland, Ohio. Shoes. 357,650; June 7. Class 39.

D & D Corporation, Miami Beach, Fla. Race result predicting devices. 357,574–5; June 7; Serial Nos. 401,926–7; published Mar. 29, 1938. Class 38.

Delaware Punch Company of Texas, The, to The Delaware Punch Company of America, San Antonio, Tex., successor. Beverages and extracts and syrups for making the same. 122,196; renewed July 9, 1938.

Dickerson, F. G., Co., The, Portland, Maine, and Chicago, Ill., to The F. G. Dickerson Company, Chicago, Ill., successor. Canning machinery and the like. 115,167; renewed Jan. 30, 1937.

Dictograph Products Company, Inc., New York, N. Y. Radio receivers and parts therefor. 357,421; June 7; Serial No. 396,121; published Mar. 29, 1938. Class 21.

Donahoe's, Inc., Pittsburgh, Pa. Food products. 357,634; June 7. Class 46.

Doniger, David D., & Co., Inc., New York, N. Y. Men's and boys' sweaters, leather and cloth sport jackets etc. 357,584; June 7; Serial No. 402,045; published Mar. 22, 1938. Class 39.

Douglas, W. L., Shoe Co., Brockton, Mass. Shoe testing machinery. 357,479; June 7; Serial No. 400,189; published Mar. 29, 1938. Class 26.

Drexel Furniture Co., Drexel, N. C. Furniture. 357,657; June 7. Class 32.

Drits-Traum Company, Inc., New York, N. Y. Partly finished needle-point tapestries. 357,385; June 7; Serial No. 384,651; published Feb. 9, 1937. Class 40.

Duber, Paul, and Sons, Chicago, Ill. Stationary gravity conveyors. 357,461; June 7; Serial No. 399,170; published Mar. 22, 1938. Class 23.

Earnshaw Knitting Company, Newton, Mass. Infants' and children's shirts, vests, union suits, etc. 357,492–3; June 7; Serial Nos. 400,497–8; published Mar. 29, 1938. Class 39.

Edgar-Morgan Company, assignor, by mesne assignments, to Happy Mills, Memphis, Tenn. Stock feed. 121,637; renewed May 14, 1938.

Electric Herdsman Company, The. (See Wright, George W.)

Englander, Herman, Philadelphia, Pa. Suspenders, belts, and garters. 357,633; June 7. Class 39.

Escalante, Jose, & Co., Chicago, Ill. Cigars. 357,537; June 7; Serial No. 401,341; published Mar. 1, 1938. Class 17.

Etkin, Simon, New York, N. Y. Costume suits, dresses, coats, etc. 357,529; June 7; Serial No. 401,245; published Mar. 1, 1938. Class 39.

Federated Press, New York, N. Y. News releases. 357,466; June 7; Serial No. 399,295; published Feb. 22, 1938. Class 38.

Feld, B. (See Feldman, Boris.)

Feldman, Boris, doing business as B. Feld, New York, N. Y. Medicinal preparations. 357,646; June 7. Class 6.

Fenwal Incorporated, Newton Center, Mass. Apparatus for storing parenteral fluids, etc. 357,568; June 7; Serial No. 401,813; published Mar. 29, 1938. Class 44.

Fiction House, Inc., New York, N. Y. Periodical. 357,562; June 7; Serial No. 401,730; published Mar. 22, 1938. Class 38.

Fiduciary Review, Norristown, Pa. Legal publication. 357,556; June 7; Serial No. 401,669; published Mar. 29, 1938. Class 38.

Folmer Graflex Corporation, The, Rochester, N. Y. Photographic cameras and photographic film pack adapters. 357,481; June 7; Serial No. 400,296; published Mar. 29, 1938. Class 26.

Forbush Company, The, Pueblo, Colo. Fresh celery. 357,465; June 7; Serial No. 399,272; published Mar. 29, 1938. Class 46.

Ford, J. B., Company, The, Wyandotte, Mich. Cleaning compound. 357,418; June 7; Serial No. 395,860; published Mar. 29, 1938. Class 4.

Four-Jacks Corporation, Chicago, Ill. Non-repeating indicating wheel or "wheel of fortune". 357,470; June 7; Serial No. 399,654; published Jan. 25, 1938. Class 22.

Frank, Jack, & Co., New York, N. Y. Veils. 357,576; June 7; Serial No. 401,928; published Mar. 29, 1938. Class 42.

Frank, Jack, & Co., New York, N. Y. Artificial flowers. 357,577; June 7; Serial No. 401,929; published Mar. 29, 1938. Class 40.

Frank & Meyer Neckwear Company, St. Louis, Mo. Neckwear. 357,487; June 7; Serial No. 400,410; published Mar. 1, 1938. Class 39.

Freehold Distilling Company, Inc., Freehold, N. J. Apple brandy. 357,502; June 7; Serial No. 400,757; published Mar. 15, 1938. Class 49.

Friedrich & Kempe Co. Inc., Red Wing, Minn. Foods. 122,020; renewed June 18, 1938.

Fuel Oil Company of St. Louis, St. Louis, Mo. Fuel oil. 357,654; June 7. Class 15.

Funk Bros. Seed Co., Incorporated, Bloomington, Ill. Legume seeds, seed grains and grass and field seeds. 357,522; June 7; Serial No. 401,142; published Mar. 22, 1938. Class 1.

Gears and Transmissions Corporation, Chicago, Ill. Gears, pulleys, and sprockets. 357,411; June 7; Serial No. 394,984; published Mar. 29, 1938. Class 23.

General Can Company, Chicago, Ill. Caps for bottles and jars. 357,563; June 7; Serial No. 401,736; published Mar. 29, 1938. Class 50.

General Chemical Company, New York, N. Y. Chemical cleansing and detergent preparation. 357,555; June 7; Serial No. 401,665; published Mar. 29, 1938. Class 4.

General Fireproofing Co., The, Youngstown, Ohio. Chairs especially designed for the office. 357,613; June 7; Serial No. 402,562; published Mar. 22, 1938. Class 32.

Gerber, Charles A., doing business as Gerber's Animal Food, Bartlett, Ill. Food for fur bearing animals and chickens. 357,583; June 7; Serial No. 401,999; published Mar. 29, 1938. Class 46.

Gilbert, Jacob H., South Bend, Ind. Boots, shoes, slippers, and sandals. 357,503; June 7; Serial No. 400,760; published Mar. 15, 1938. Class 39.

Gilda Audrey Products, Inc., New York, N. Y. Cosmetic outfits. 357,550; June 7; Serial No. 401,565; published Mar. 29, 1938. Class 50.

Glemby Company, Inc., The, New York, N. Y. Water wave nets, hair nets, and completed sports nets. 357,572; June 7; Serial No. 401,895; published Mar. 29, 1938. Class 42.



Glidden Company, The, doing business as Heath & Milligan Manufacturing Company, Cleveland, Ohio. Paints and paint enamels. 357,639; June 7. Class 16.

Goldblatt Bros. Inc., Chicago, Ill. Children's shoes. 357,512; June 7; Serial No. 400,966; published Mar. 15, 1938. Class 39.

Golden Gliat Company, Inc. (See Wittwer, John J., Sr., assignor.)

Goleta Lemon Association, Goleta, Calif. Fresh citrus fruits. 357,599; June 7; Serial No. 402,259; published Mar. 29, 1938. Class 46.

Goodman, Duanne C., Tacoma, Wash. Periodical program skits for a radio station. 357,549; June 7; Serial No. 401,528; published Mar. 29, 1938. Class 38.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Rubber heels and soles, rubber gloves, etc. 357,423; June 7; Serial No. 396,128; published Feb. 15, 1938. Class 39.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber soles and heels. 357,540–1; June 7; Serial Nos. 401,384–5; published Mar. 1, 1938. Class 39.

Gossard, H. W., Co., The, Chicago, Ill. Corsets, girdles, and combination corsets and brassières. 357,606; June 7; Serial No. 402,373; published Mar. 22, 1938. Class 39.

Graduate School of Banking, The, New York, N. Y. Periodicals, catalogues, and booklets. 357,520; June 7; Serial No. 401,106; published Mar. 29, 1938. Class 38.

Grand Union Company, The, New York, N. Y. Canned fruits. 357,384; June 7; Serial No. 383,927; published Sept. 14, 1937. Class 46.

Graton and Knight Manufacturing Company, The, assignor to Graton & Knight Company, Worcester, Mass. Round leather belting. 123,226; renewed Oct. 22, 1938.

Great Lakes Varnish Works, Inc., doing business as Great Lakes Varnish Works, Chicago, Ill. Varnishes. 357,546; June 7; Serial No. 401,434; published Mar. 1, 1938. Class 16.

Gruendler Crusher and Pulverizer Company, St. Louis, Mo. Machines for the manufacture and refining of pulp. 357,553; June 7; Serial No. 401,606; published Mar. 29, 1938. Class 23.

Guerrera, Filomena, Ellwood City, Pa. Maltless beverages. 357,590; June 7; Serial No. 402,128; published Mar. 22, 1938. Class 45.

H & W Company, Inc., The, Newark, N. J. Corsets and brassières and combinations thereof. 357,606; June 7; Serial No. 402,375; published Mar. 29, 1938. Class 39.

Haft & Company, Ltd., New York, N. Y. Piece goods. 357,530; June 7; Serial No. 401,250; published Mar. 29, 1938. Class 42.

Half, Corinne C., Pittsburgh, Pa. Dress and piece goods. 357,570; June 7; Serial No. 401,940; published Mar. 29, 1938. Class 42.

Hallenscheid & McDonald, Los Angeles, Calif. Medicine cabinets. 357,647; June 7. Class 32.

Hamburger Company, The, Chicago, Ill. Brandies, gins, liqueurs, etc. 357,406; June 7; Serial No. 394,602; published Mar. 22, 1938. Class 49.

Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. Cheese bandages of cheese cloth. 357,420; June 7; Serial No. 396,994; published Mar. 29, 1938. Class 42.

Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. Rennet test apparatus. 357,594; June 7; Serial No. 402,220; published Mar. 29, 1938. Class 26.

Hanson, Henry L., Worcester, Mass. Taps, threading dies, hack saw frames, etc. 357,446; June 7; Serial No. 398,244; published Mar. 29, 1938. Class 23.

Happy Mills. (See Edgar-Morgan Company, assignor.)

Harris & Tipograph, Inc., New York, N. Y. Leather sweatbands. 357,551–2; June 7; Serial Nos. 401,571–2; published Mar. 15, 1938. Class 39.

Haslauer, Adolph, West Elisabeth, to Adolf Haslauer, East Orange, N. J. Spring dress-fasteners. 121,296; renewed Apr. 23, 1938.

Hayes, J. O., Dinuba, Calif. Fresh deciduous fruits, fresh figs, and fresh vegetables. 357,424; June 7; Serial No. 396,132; published Nov. 30, 1937. Class 46.

Heath & Milligan Company. (See Glidden Company, The.)

Hert, Tina H. (See Pratt, Milan F.)

Hodshon, A. E., Corporation, The, Danbury, Conn. Felt hats. 357,531; June 7; Serial No. 401,262; published Mar. 1, 1938. Class 39.

Hollywood Amusement Company, Inc., Chicago, Ill. Cards and slides for an amusement game. 357,434; June 7; Serial No. 397,364; published Mar. 22, 1938. Class 22.

Hollywood Amusement Company, Inc., Chicago, Ill. Cards and slides for an amusement game. 357,441; June 7; Serial No. 397,849; published Mar. 22, 1938. Class 22.

Holtite Manufacturing Co., Inc., The, Baltimore, Md. Rubber heels and soles. 357,488; June 7; Serial No. 400,418; published Mar. 1, 1938. Class 39.

Home Manufacturing Company. (See McEvoy, John H.)

Houghton, E. F., & Co., Philadelphia, Pa. Oil for use on textiles. 122,383; renewed July 30, 1938.

Howard Paper Company, Inc., Boston, Mass. Shoe protectors. 357,419; June 7; Serial No. 395,867; published Mar. 29, 1938. Class 2.

Hubrite Informal Frocks, Inc., Boston, Mass. Dresses. 357,483; June 7; Serial No. 400,344; published Feb. 1, 1938. Class 39.

Huth & James Shoe Co., Milwaukee, Wis. Shoes. 357,425; June 7; Serial No. 396,460; published Mar. 15, 1938. Class 39.

Hydrox Corporation. (See Nelson, Carl W., assignor.)

International Brotherhood of Steam Shovel and Dredge Men, Chicago, Ill., to The International Union of Operating Engineers, Washington, D. C., successor. Books, periodicals, pamphlets, etc. 122,087; renewed June 25, 1938.

International Salt Company, Inc., New York, N. Y. Salt. 357,585; June 7; Serial No. 402,064; published Mar. 29, 1938. Class 46.

International Shoe Co., St. Louis, Mo. Boots and shoes. 357,578; June 7; Serial No. 401,935; published Mar. 22, 1938. Class 39.

International Silver Company, Meriden and Bridgeport, to International Silver Company, Meriden, Conn. Silver-plated knives, forks, spoons, etc. 123,043; renewed Oct. 8, 1938.

International Union of Operating Engineers, The. (See International Brotherhood of Steam Shovel and Dredge Men.)

Irvine Valencia Growers, Irvine, Calif. Fresh citrus fruit. 357,641; June 7. Class 46.

Isgo Wall Paper Corporation, Chicago, Ill. Wall paper. 357,442; June 7; Serial No. 397,852; published Mar. 29, 1938. Class 37.

Israel, David, Detroit, Mich. Hats, caps, outer shirts, etc. 357,440; June 7; Serial No. 397,808; published Mar. 29, 1938. Class 39.

Ivers-Lee Company, Newark, N. J. Tubular containers. 357,393; June 7; Serial No. 389,990; published Mar. 29, 1938. Class 2.

Jayknit Company Inc., New York, N. Y. Knitted outer wear. 357,477; June 7; Serial No. 400,056; published Mar. 8, 1938. Class 39.

Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Shoes. 357,376; June 7; Serial No. 369,536; published Nov. 30, 1937. Class 39.

Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Shoes. 357,379; June 7; Serial No. 378,487; published Nov. 23, 1937. Class 39.

Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Shoes. 357,380; June 7; Serial No. 379,098; published Dec. 14, 1937. Class 39.

Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Shoes. 357,386; June 7; Serial No. 385,586; published Jan. 4, 1938. Class 39.

Jones, C. M., & Co., Calhoun, Ga. Bedspreads. 357,547; June 7; Serial No. 401,439; published Mar. 8, 1938. Class 42.

Junior Cavalry of America, Inc., West Orange, N. J. Publications. 357,501; June 7; Serial No. 400,730; published Mar. 1, 1938. Class 38.

Justin, H. J., and Sons Inc., The, Fort Worth, Tex. Boots or shoes. 357,430; June 7; Serial No. 397,098; published Mar. 22, 1938. Class 39.

Justin, H. J., and Sons Inc., The, Fort Worth, Tex. Leather shoes. 357,431; June 7; Serial No. 397,100; published Mar. 1, 1938. Class 39.

Juvenile Shoe Corporation of America, The, Aurora and St. Louis, Mo. Shoes and slippers. 357,514; June 7; Serial No. 400,972; published Mar. 15, 1938. Class 39.

Kandell, Allen, Inc., New York, N. Y. Upholstery and drapery fabrics. 357,526; June 7; Serial No. 401,220; published Feb. 22, 1938. Class 42.

Kartiganer, Charles, doing business as Kartiganer & Co., New York, N. Y. Ladies' and children's hats. 357,399; June 7; Serial No. 392,539; published Mar. 22, 1938. Class 39.

Kats, Joseph, Baltimore, Md. Periodical. 357,595; June 7; Serial No. 402,224; published Mar. 22, 1938. Class 38.

Kentner, Edward, Carlsbad, Calif. Fried chicken. 357,451; June 7; Serial No. 398,540; published Mar. 29, 1938. Class 46.

King Clasp Company, Inc., New York, N. Y. Clasps for garment supporters and the like. 357,524; June 7; Serial No. 401,188; published Mar. 15, 1938. Class 40.

Klimax Overall Company, Inc., Athens, Ga. Overalls, men's coats, outer shirts, etc. 357,398; June 7; Serial No. 391,226; published Feb. 22, 1938. Class 39.

Klonder, Harry T., doing business as Blush Products Company, Chicago, Ill. Cosmetics. 357,648; June 7. Class 6.

Knipe Bros., Inc., Haverhill, to Knipe Bros. Inc., Haverhill and Ward Hill, Mass. Leather boots and shoes. 122,592; renewed Aug. 27, 1938.

Knorr Mercantile Company, The, Wichita, Kans. Dress shirts. 357,620; June 7; Serial No. 402,637; published Mar. 29, 1938. Class 39.

Knothe Brothers Co. Inc., New York, N. Y. Belts, suspenders, and garters. 357,542; June 7; Serial No. 401,390; published Mar. 15, 1938. Class 39.

Knothe Brothers Co. Inc., New York, N. Y. Pajamas, belts, garters, and suspenders. 357,548; June 7; Serial No. 401,491; published Mar. 15, 1938. Class 39.

Koebel Diamond Tool Co., Detroit, Mich. Diamond-set tools, and parts thereof, and diamond-set slugs therefor. 357,449; June 7; Serial No. 398,474; published Apr. 5, 1938. Class 23.

Koehring Company, Milwaukee, Wis. Concrete mixing machines. 357,457; June 7; Serial No. 398,851; published Mar. 1, 1938. Class 23.

Kosher Star Sausage Mfg. Co., Chicago, Ill. Meats and meat products. 357,629; June 7. Class 46.

Kraus Bros. & Co., Inc., New York, N. Y. Whiskies, gins, and alcoholic cordials. 357,652; June 7. Class 49.

Kresge Department Store, assignor to Sebastian S. Kresge, trading as Kresge Department Store, Newark, Newark, N. J., and elsewhere. Letter paper and envelopes, writing paper, etc. 357,482; June 7. Serial No. 400,311; published Mar. 29, 1938. Class 37.

Kronenberg-Henigson, Inc., New York, N. Y. Clothing. 357,616; June 7; Serial No. 402,598; published Mar. 29, 1938. Class 39.

La Favorite Rubber Manufacturing Co., Hawthorne, N. J. Gage glass washers, packing, valves, etc. 357,439; June 7; Serial No. 397,760; published Jan. 18, 1938. Class 35.

Lampl Sportswear Manufacturing Company, The, Cleveland, Ohio. Piece goods. 357,490; June 7; Serial No. 400,488; published Mar. 29, 1938. Class 42.

Laros Textiles Company, Bethlehem, Pa. Children's vests, bloomers, etc.; ladies' vests, etc. 357,636; June 7. Class 39.

Lawrence, Richard S., doing business as R. S. Lawrence & Co., London, England. Soles and heel top pieces of boots and shoes. 357,422; June 7; Serial No. 396,123; published Mar. 1, 1938. Class 39.

Leggett, Francis H., & Company, New York, N. Y. Canned sauce. 357,390; June 7; Serial No. 387,706; published Mar. 1, 1938. Class 46.

Leigh, Ethel T., doing business as The Traphagen School of Fashion, New York, N. Y. Publication. 357,506; June 7; Serial No. 400,844; published Mar. 29, 1938. Class 38.

Lenzner, Sol, Corporation, Buffalo, N. Y. Carbonated beverages. 357,573; June 7; Serial No. 401,901; published Mar. 15, 1938. Class 45.

Levor, G., & Co., Inc., Gloversville, N. Y. Leather. 357,569; June 7; Serial No. 401,824; published Mar. 29, 1938. Class 1.

Lichtman, J., & Sons, Newark, N. J. Leather. 357,612; June 7; Serial No. 402,531; published Mar. 29, 1938. Class 1.

Lily Mills Company, Shelby, N. C. Hand knitting needles and hand sewing needles. 357,511; June 7; Serial No. 400,914; published Mar. 22, 1938. Class 40.

Lily of France Corset Company, Inc., New York, N. Y. Corsets. 357,517; June 7; Serial No. 401,026; published Mar. 15, 1938. Class 39.

Loeser, Frederick, & Co., Inc., Brooklyn, N. Y. Children's shoes. 357,507; June 7; Serial No. 400,845; published Mar. 15, 1938. Class 39.

Longines-Wittnauer Co. Inc., The, New York, N. Y. Watches and clocks. 357,388; June 7; Serial No. 386,434; published Mar. 29, 1938. Class 27.

Lord & Taylor, New York, N. Y. Piece goods. 357,571; June 7; Serial No. 401,868; published Mar. 29, 1938. Class 42.

Lorraine Manufacturing Company, Pawtucket, R. I. Dresses, shirts, bloomers, etc. 357,395; June 7; Serial No. 390,222; published Mar. 1, 1938. Class 39.

Lowe, Joe, Corporation, New York, N. Y. Wrappers and/or bags. 357,535; June 7; Serial No. 401,311; published Mar. 1, 1938. Class 2.

Machin, Arthur J., and A. H. Probyn, New York, N. Y. Shoes. 357,438; June 7; Serial No. 397,715; published Mar. 15, 1938. Class 39.

Macy, R. H., & Co., Inc., New York, N. Y. Sheets, pillow cases, towels, etc. 357,519; June 7; Serial No. 401,065; published Mar. 1, 1938. Class 42.

Maggi Co., Inc., New York, N. Y. Foods and ingredients of foods. 357,475; June 7; Serial No. 399,892; published Mar. 29, 1938. Class 46.

Malmquist, Emil K., South Bellingham, Wash. Canned crushed apples, and apple rings. 357,484; June 7; Serial No. 400,381; published Mar. 29, 1938. Class 46.

Man-Sew Pinking Attachment Corp., New York, N. Y. Fabric trimming attachments and parts thereof for sewing machines. 357,406; June 7; Serial No. 393,813; published Mar. 1, 1938. Class 23.

Man-Sew Pinking Attachment Corp., New York, N. Y. Fabric trimming attachments and parts thereof for sewing machines. 357,473; June 7; Serial No. 399,721; published Mar. 1, 1938. Class 23.

Margolis, L. D., Corp., Boston, Mass. Powder as an ingredient for a soft drink. 357,617; June 7; Serial No. 402,601; published Mar. 29, 1938. Class 45.

Mars, Incorporated, Chicago, Ill. Candy. 357,600; June 7; Serial No. 402,268; published Mar. 29, 1938. Class 46.

Marshall Photographer, Inc., Chicago, Ill. Photographs. 357,604; June 7; Serial No. 402,340; published Mar. 29, 1938. Class 38.

Maxon Premix Burner Company, Muncie, Ind. Gas-burning apparatus. 123,256; renewed Oct. 22, 1938.

May Department Stores Company, The, St. Louis, Mo. Leather shoes. 357,536; June 7; Serial No. 401,313; published Mar. 22, 1938. Class 39.

McCrory Stores Corporation, New York, N. Y. Babies' bathrobes, rubber pants, and textile diapers. 357,474; June 7; Serial No. 399,845; published Mar. 15, 1938. Class 39.

McEvoy, John H., doing business as Home Manufacturing Company, Decatur, Ill. Clothing. 357,413; June 7; Serial No. 395,138; published Mar. 1, 1938. Class 39.

McKay, David, Company, Philadelphia, Pa. Publication. 357,515; June 7; Serial No. 400,982; published Mar. 1, 1938. Class 38.

McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Shaving soap and shaving cream. 357,523; June 7; Serial No. 401,161; published Mar. 29, 1938. Class 4.

Meier & Frank Company, Inc., Portland, Oreg. Ski clothing, wool mittens and gloves, etc. 357,458; June 7; Serial No. 398,012; published Mar. 1, 1938. Class 39.

Meyers, Louis, & Son, Inc., New York, N. Y. Gloves. 357,485; June 7; Serial No. 400,384; published Mar. 1, 1938. Class 39.

Midland Chemical Laboratories, Inc., Dubuque, Iowa. Dry cleaning aid. 357,596; June 7; Serial No. 402,231; published Mar. 29, 1938. Class 4.

Miller, Harry, New York, N. Y. Shoes. 357,638; June 7. Class 39.

Miller, I., and Sons, Inc., Long Island City, N. Y. Ladies' shoes. 357,564; June 7; Serial No. 401,753; published Mar. 15, 1938. Class 39.

Miller, J. A., & Sons, Nueva Gerona, Isle of Pines, Cuba. Citrus fruits. 357,631; June 7. Class 46.

Minneapolis Paper Co., Minneapolis, Minn. Merchandise display racks. 357,432; June 7; Serial No. 397,195; published Feb. 22, 1938. Class 32.

Moore, E. R., Company, Chicago, Ill. Gymnasium suits, dancing suits, etc. 357,651; June 7. Class 39.

Moss Stores, Inc., San Francisco, Calif. Lingerie, gloves, and hosiery. 357,378; June 7; Serial No. 372,679; published Mar. 15, 1938. Class 39.

Munsey, Frank A., Company, The, New York, N. Y. Weekly magazine. 357,497; June 7; Serial No. 400,609; published Mar. 29, 1938. Class 38.

NEA Service, Inc., Cleveland, Ohio. Rubber toy balloons and games of skill. 357,426; June 7; Serial No. 396,503; published Mar. 1, 1938. Class 22.

Nachman Springfilled Corporation, Chicago, Ill. Upholstery spring construction, mattresses, and seat cushions. 357,610; June 7; Serial No. 402,485; published Mar. 29, 1938. Class 32.

National Broach & Machine Co., Detroit, Mich. Broaching and lapping compounds. 357,504; June 7; Serial No. 400,785; published Mar. 29, 1938. Class 4.

National Shoe Corporation, Marlboro, Mass. Leather shoes for women. 357,402; June 7; Serial No. 393,180; published Mar. 22, 1938. Class 39.

Nelson, Carl W., assignor, by mesne assignments, to Hydrox Corporation, Chicago, Ill. Butter. 121,810; renewed May 28, 1938.

New Foods, Inc., Chicago, Ill. Cereal food products. 357,403; June 7; Serial No. 393,441; published Mar. 29, 1938. Class 46.

New Haven Clock Company, The, New Haven, Conn. Clocks and watches. 357,622; June 7; Serial No. 402,730; published Mar. 29, 1938. Class 27.

New York Hamburger Gummi-Waaren Compagnie, Hamburg, Germany. Combs. 357,460; June 7; Serial No. 399,004; published Mar. 29, 1938. Class 40.

Nicholl, Inc., Los Angeles, Calif. Electric shavers. 357,401; June 7; Serial No. 393,142; published Mar. 29, 1938. Class 23.

No Name Hat Company, The, New York, N. Y. Hats for men. 357,454; June 7; Serial No. 398,786; published Mar. 22, 1938. Class 39.

Norcross, New York, N. Y. Greeting cards, calendars, and decorative printed tags. 357,498; June 7; Serial No. 400,653; published Mar. 15, 1938. Class 38.

North American Electric Lamp Company, St. Louis, Mo. Electric-incandescent-light bulbs. 122,808; renewed Sept. 17, 1938.

Northwestern Yeast Company, Chicago, Ill. Yeast. 357,509; June 7; Serial No. 402,439; published Mar. 29, 1938. Class 46.

Nu-Way Shoe Co. Inc., New York, N. Y. Shoes. 357,397; June 7; Serial No. 390,280; published Mar. 1, 1938. Class 39.

Oak Park Creamery. (See Watson, Paul A.)

Olympic Knitting Mills, Inc., New York, N. Y. Knitted sweaters. 357,586; June 7; Serial No. 402,069; published Mar. 29, 1938. Class 39.

Oshkosh Brewing Co., The, Oshkosh, Wis. Beer. 357,495; June 7; Serial No. 400,521; published Mar. 29, 1938. Class 48.

Palay, S. T., Textile Corporation, New York, N. Y. Fabrics in the piece. 357,624; June 7; Serial No. 402,791; published Mar. 29, 1938. Class 42.

Pasco Packing Association, Dade City, Fla. Fresh citrus fruits. 357,557; June 7; Serial No. 401,676; published Mar. 1, 1938. Class 46.

Pastene, P., & Co., Inc., Boston, Mass., to Pastene & Co., Inc., New York, N. Y., successor. Olive-oil. 121,942; renewed June 11, 1938.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Ladies' and children's dresses. 357,468; June 7; Serial No. 399,513; published Feb. 22, 1938. Class 39.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Wearing apparel. 357,499; June 7; Serial No. 400,656; published Mar. 15, 1938. Class 39.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Hosiery. 357,527; June 7; Serial No. 401,223; published Feb. 22, 1938. Class 39.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Rubber arctics, rubber boots, rubber galoshes, etc. 357,662; June 7. Class 39.



Pennsylvania Distilling Co., Inc., Logansport, Pa. Whiskey. 357,389; June 7; Serial No. 387,593; published Mar. 9, 1937. Class 49.

Philadelphia Inquirer Company, The, Philadelphia, Pa. Title for a rotogravure section of The Philadelphia Inquirer. 357,553; June 7; Serial No. 401,703; published Mar. 15, 1938. Class 38.

Phillips, Dr. P., Company, Incorporated, Orlando, Fla. Periodicals. 357,448; June 7; Serial No. 398,441; published Mar. 29, 1938. Class 38.

Pioneer Rubber Company, The, Willard, Ohio. Rubber gloves. 357,450; June 7; Serial No. 398,490; published Mar. 29, 1938. Class 39.

Pollak, Henry, Inc., New York, N. Y. Hats and hat bodies for women's and children's hats. 357,509; June 7; Serial No. 400,677; published Mar. 15, 1938. Class 39.

Pollak, Henry, Inc., New York, N. Y. Hats for women and children, and hat bodies for the same. 357,521; June 7; Serial No. 401,119; published Mar. 15, 1938. Class 39.

Porcelure Fishing Equipment Company, The, San Leandro, Calif. Fishing spoons. 357,625; June 7; Serial No. 402,793; published Mar. 22, 1938. Class 22.

Porter Company, The, Framingham, Mass. Frocks. 357,566; June 7; Serial No. 401,789; published Mar. 15, 1938. Class 39.

Potter Company, The, North Chicago, Ill. Publications. 357,443; June 7; Serial No. 397,910; published Feb. 1, 1938. Class 38.

Pratt, Milan F., to Tina H. Hert, Rochester, N. Y., successor. Preparation to correct acid condition of the stomach. 122,906; renewed Sept. 24, 1938.

Probyn, A. H. (See Machine, Arthur J., and Probyn.)

Public Ledger, Inc., Philadelphia, Pa. Newspaper syndicated article. 357,512; June 7; Serial No. 400,923; published Mar. 1, 1938. Class 38.

Puritan Raincoat Co. Inc., New York, N. Y. Children's raincoats. 357,444; June 7; Serial No. 397,911; published Feb. 22, 1938. Class 39.

RCA Manufacturing Company, Inc., Camden and Harrison, N. J. Fluorescent screens for use in cathode ray tubes. 357,429; June 7; Serial No. 397,085; published Mar. 29, 1938. Class 21.

Rayonier Incorporated, San Francisco, Calif. Wood pulp. 357,602; June 7; Serial No. 402,315; published Mar. 29, 1938. Class 1.

Reed Manufacturing Company, Erie, Pa. Wheels for pipe cutters and pipe cutters. 357,414; June 7; Serial No. 395,355; published Mar. 29, 1938. Class 23.

Reed, W. H., Memphis, Tenn. Lubricating oils. 357,656; June 7. Class 15.

Renault-Aviation, Billancourt, France. Aeroplanes and structural parts thereof. 357,412; June 7; Serial No. 395,050; published Mar. 29, 1938. Class 19.

Rexton Press. (See Ciano, John B.)

Riegel Textile Corporation, New York, N. Y. Cotton piece goods. 357,510; June 7; Serial No. 400,878; published Mar. 15, 1938. Class 42.

Robinson & Cleaver Limited, London, England. Linen handkerchiefs. 357,496; June 7; Serial No. 400,570; published Mar. 15, 1938. Class 39.

Roha Leinen- und Baumwollwaren-Druckerei Inh. K. M. Löwit, Vrchlabi, Czechoslovakia. Handkerchiefs. 357,494; June 7; Serial No. 400,514; published Mar. 22, 1938. Class 39.

Rosenthal, Sig, Co. Inc., New York, N. Y. Underwear and nightgowns. 357,456; June 7; Serial No. 398,826; published Mar. 8, 1938. Class 39.

Ross, King, Jackson Heights, Long Island, N. Y. Musical accompaniment records. 357,428; June 7; Serial No. 397,063; published Mar. 29, 1938. Class 36.

Royal Toy Company, Inc. (See Roy-Toy Company, Inc.)

Roy-Toy Company, Inc., Worcester, Mass., now by change of name Royal Toy Company, Inc. Target games. 357,417; June 7; Serial No. 395,838; published Mar. 29, 1938. Class 22.

Ruben, Abner A., New York, N. Y. Suits, overcoats, raincoats, etc. 357,435; June 7; Serial No. 397,381; published Mar. 15, 1938. Class 39.

Rueping, Fred, Leather Co., Fon du Lac, Wis. Shoe and glove leathers. 123,279; renewed Oct. 22, 1938.

Rydell, Alexander B., New York, N. Y. Upholstery fabrics in the piece. 357,587; June 7; Serial No. 402,075; published Mar. 29, 1938. Class 42.

S. A. Egidio Galbani, Melso, Italy. Cheese. 357,538; June 7; Serial No. 401,360; published Mar. 29, 1938. Class 46.

Saks, M. J., Shoe Corp., New York, N. Y. Shoes, slippers, and sandals. 357,655; June 7. Class 39.

Salfair, Inc., New York, N. Y. Ladies' hats. 357,387; June 7; Serial No. 385,753; published Feb. 9, 1937. Class 39.

Schadt & Mathewson, assignor to Schadt & Mathewson, Detroit, Mich. Feathers. 122,535; renewed Aug. 20, 1938.

Schick, Henry T., Chicago, Ill. Electric dry shavers. 357,658; June 7. Class 23.

Schumaker, Herman H., Los Angeles, Calif. Floor machines and attachments therefor. 357,663; June 7. Class 23.

Schwab, David E., & Co., New York, N. Y. Handkerchiefs. 357,462; June 7; Serial No. 399,206; published Mar. 1, 1938. Class 39.

Scotts Valley Fruit Exchange, Lakeport, Calif. Fresh pears. 357,471; June 7; Serial No. 399,679; published Mar. 1, 1938. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Curtains. 357,559; June 7; Serial No. 401,705; published Mar. 1, 1938. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Dish towels and towelings. 357,623; June 7; Serial No. 402,744; published Mar. 29, 1938. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Accordions. 357,632; June 7. Class 36.

Security Fur Seal Co. Inc., New York, N. Y. Metal identifying seals for furs and the like. 357,396; June 7; Serial No. 390,245; published Mar. 29, 1938. Class 50.

Service Analysts, Inc., New York, N. Y. Oil publication charts and guides. 357,433; June 7; Serial No. 397,305; published Mar. 1, 1938. Class 38.

Sexton, John, & Co., Chicago, Ill. Canned vegetables, frozen fruits, canned fruit juices, etc. 357,405; June 7; Serial No. 393,737; published Dec. 28, 1937. Class 46.

Shell Petroleum Corporation, St. Louis, Mo. Chart manipulating and displaying apparatus for use in connection with the lubrication and service of vehicles, etc. 357,453; June 7; Serial No. 398,692; published Mar. 29, 1938. Class 23.

Shipman, Louis, & Baker Co., New York, N. Y. Ladies' coats, suits, and jackets. 357,567; June 7; Serial No. 401,791; published Mar. 29, 1938. Class 39.

Sidley, A. C., & Co., Minneapolis, Minn. Hosiery. 357,618; June 7; Serial No. 402,607; published Mar. 29, 1938. Class 39.

Sienkiewicz, Michal, New York, N. Y. Solder. 357,614; June 7; Serial No. 402,575; published Mar. 22, 1938. Class 14.

Skillern & Sons, Inc., Dallas, Tex. Cigarettes. 357,525; June 7; Serial No. 401,199; published Mar. 29, 1938. Class 17.

Springfield Brewing Company, Springfield, Ill. Beer. 357,528; June 7; Serial No. 401,226; published Mar. 29, 1938. Class 48.

Stainpruf License and Distributing Corporation, Beverly Hills, Calif. Emulsion for waterproofing and stain-proofing fabrics. 357,644; June 7. Class 6.

Standard Brands Incorporated. (See Chase & Sanborn, assignor.)

Stone Shoe Company, The, Cleveland, Ohio. Shoes. 357,463; June 7; Serial No. 399,210; published Mar. 8, 1938. Class 39.

Strathmore Paper Company, West Springfield, Mass. Writing and printing paper. 357,607; June 7; Serial No. 402,387; published Mar. 29, 1938. Class 37.

Summit Thread Company, assignor to Summit Thread Company, East Hampton, Conn. Cotton thread. 121,067; renewed May 14, 1938.

Superior Oil Works, Warren, Pa. Motor oils. 357,659; June 7. Class 15.

Supreme Olive Oil Corp., San Fernando, Calif. Canned fruits, and olives, olive oil, etc. 357,560; June 7; Serial No. 401,708; published Mar. 22, 1938. Class 46.

Swift and Company. Glue. 357,619; June 7; Serial No. 402,609; published Mar. 29, 1938. Class 5.

Tahin-Picker & Company, Chicago, Ill. Ladies' dresses. 357,608; June 7; Serial No. 402,389; published Mar. 29, 1938. Class 39.

Thomas, Chester L., doing business as Thomas Quilt Factories, Denver, Colo. Quilts, pads. 357,532; June 7; Serial No. 401,281; published Mar. 22, 1938. Class 42.

Thomas, William H., Pittsburgh, Pa. Educational game. 357,516; June 7; Serial No. 401,006; published Feb. 15, 1938. Class 22.

Thompson Products, Incorporated, Cleveland, Ohio. Valve seats. 357,543; June 7; Serial No. 401,407; published Mar. 29, 1938. Class 23.

Tildesley Coal Co., The, Cincinnati, Ohio. Coal. 357,642; June 7. Class 1.

Toledo Glove Manufacturing Company, The, Toledo, Ohio. Gloves and gauntlets. 357,649; June 7. Class 39.

Transart Aktiebolag, Goteborg, Sweden. Artistic illustrations. 357,409; June 7; Serial No. 394,910; published Mar. 29, 1938. Class 38.

Traphagen School of Fashion, The. (See Leigh, Ethel T.)

Turner, Lloyd H., Ketchikan, Alaska. Spruce oars, hydroplane and canoe paddles, and punting poles. 357,400; June 7; Serial No. 392,898; published Mar. 29, 1938. Class 19.

Underwood Elliott Fisher Company, New York, N. Y. Typewriters. 357,469; June 7; Serial No. 399,519; published Mar. 29, 1938. Class 23.

United States Rubber Company. (See Candee, L., & Company, assignor.)

Universal Stamp Company, Brooklyn, N. Y. Packets, sets, and mixtures of postage stamps. 357,383; June 7; Serial No. 383,287; published Feb. 22, 1938. Class 38.

Urbana Laboratories, The, Urbana, Ill. Chemical soil test for nitrates. 357,630; June 7. Class 6.

Victoria Distributors. (See Wandell, William O.)

Wandell, William O., doing business as Victoria Distributors, Forest Hills, N. Y. Percales, sheets, and pillow cases. 357,554; June 7; Serial No. 401,629; published Mar. 22, 1938. Class 42.

Ward Products Corporation, The, Cleveland, Ohio. Automobile aerials. 357,505; June 7; Serial No. 400,822; published Mar. 29, 1938. Class 21.
Watkins, J. R., Medical Co., The, assignor to The J. R. Watkins Company, Winona, Minn. Perfumes, toilet water, and face-powders. 121,984; renewed June 11, 1938.
Watson, Paul A., doing business as Oak Park Creamery, Pasadena, Calif. Animal foods. 357,381; June 7; Serial No. 381,504; published Mar. 29, 1938. Class 46.
Wausau Brewing Company, Wausau, Wis. Beer. 357,603; June 7; Serial No. 402,322; published Mar. 22, 1938. Class 45.
Weigell, A., & Son, Inc., Milwaukee, Wis. Box springs, mattresses, and pillows. 357,486; June 7; Serial No. 400,395; published Feb. 8, 1938. Class 32.
Wender & Goldstein, Inc., New York, N. Y. Men's uniforms, and riding habits. 357,579–80; June 7; Serial Nos. 401,952–3; published Mar. 29, 1938. Class 39.
Werts Novelty Company, Incorporated, Muncie, Ind. Games of chance. 357,391; June 7; Serial No. 387,808; published Mar. 29, 1938. Class 22.
Western Growers Protective Association, Los Angeles, Calif. Lettuce. 357,472; June 7; Serial No. 399,692; published Mar. 29, 1938. Class 46.
Williamsport Wire Rope Company (in receivership), assignor to Bethlehem Steel Company, Williamsport, Pa. Cables, wires, and conductors for electric current. 357,416; June 7; Serial No. 395,777; published Mar. 29, 1938. Class 21.
Wilton Manufacturing Company, Philadelphia, Pa. Football jerseys, gym shirts, softball jerseys, etc. 357,645; June 7. Class 39.
Wittwer, John J., Sr., assignor to Golden Glint Company, Inc., Seattle, Wash. Shampoos. 121,996; renewed June 11, 1938.
Wood, Roy J., St. Louis, Mo. Bread. 357,394; June 7; Serial No. 390,104; published Mar. 29, 1938. Class 46.
Wright, George W., doing business as The Electric Herdsman Company, Milwaukee, Wis. Electrical devices for charging wire fences. 357,480; June 7; Serial No. 400,269; published Mar. 29, 1938. Class 21.
Wyandot Popcorn Co. (See Brown, W. Hoover.)
Yates, James V., doing business as Box Lunch Publishing Co., Milwaukee, Wis. Periodical. 357,436; June 7; Serial No. 397,397; published Mar. 29, 1938. Class 38.
Youngberg Brothers, Meriden, Conn. Drink stirrers or muddlers. 357,415; June 7; Serial No. 395,555; published Mar. 29, 1938. Class 23.

# LIST OF REGISTRANTS OF LABELS

Benson, Mrs. C. J., Galesburg, Ill. Mother Burg Salve. For Salve. 51,262; June 7.
Borden Company, The, New York, N. Y. Borden's Eagle Brand Magic Milk Sweetened Condensed. For Sweetened Condensed Milk. 51,263; June 7.
Cairo Pickle Company, Cairo, Ga. Cairo Beauties. For Pickles. 51,264; June 7.
Cassoff, L. Francis, doing business as Central Paint & Varnish Works, Brooklyn, N. Y. Spear. For Paints. 51,265; June 7.
Central Paint & Varnish Works. (See Cassoff, L. Francis.)
Columbia Food Company, doing business as Columbia Food Stores, Portland, Oreg. Northern Brand Creamery Butter. For Creamery Butter. 51,266; June 7.
Daggett Chocolate Company, Cambridge, Mass. Gold Standard. For Chocolates. 51,267; June 7.
Heib, G. Curtis, doing business as Heib's Keystone Brewery, York, Pa. Heib's. For Lager Beer. 51,268; June 7.
Keckley, Amy H., Decatur, Ill. Amy Helen, Non-Fattening, White Mineral Oil, Salad Dressing. For Salad Dressing. 51,269; June 7.
Keefe, Daniel J., Jr., doing business as Keefe Chemical Co., Boston, Mass. Silver Germicide. For a Germicide. 51,270; June 7.
Kommanditbolaget Spis- & Knackebrodsfabriken Kronan, Barthel Kock, doing business as Kommanditbolaget Spis- & Knackebrodsfabriken Kronan, Sundyberg, Sweden. Rye-Thins. For Bread. 51,271; June 7.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. "Kroger's Country Club Brand" Evaporated Milk. For Evaporated Milk. 51,272; June 7.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. "Country Club Brand" Chili Con Carne with Beans. For Canned Chili Con Carne with Beans. 51,273; June 7.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. "Kroger's Country Club Brand Concentrated Chili." For Canned Chili Con Carne Without Beans. 51,274; June 7.
L. E. L. Sales Company, Inc., Amarillo, Tex. Italian Pride Wine. For California White Port Wine. 51,275; June 7.
Lipman, Herman H., doing business as Lipman Engineering Co., Pittsburgh, Pa. Town Crier Products. For Portable Public Address Systems and Group Hearing Aid Attachments. 51,276; June 7.
Pollock Paper & Box Company, Dallas, Tex. Quality Butter. For Butter. 51,277; June 7.
Pollock Paper & Box Company, Dallas, Tex. Banner Butter. For Butter. 51,278; June 7.
Schlosser Brothers, Frankfort, Ind. Cottage Grove Butter. For Butter. 51,279; June 7.
Schor, Joseph, doing business as Schor Manufacturers, San Francisco, Calif. See Schor. For Stainless Steel Cable Leaders. 51,280; June 7.
United Pure Food Co., New York, N. Y. Centen. For Olive Oil. 51,281; June 7.
United Pure Food Co., New York, N. Y. Anita. For Olive Oil. 51,282; June 7.
Van Gelder, Martinus, Philadelphia, Pa. Vangelder Amsterdam-Dutch Collar. For Collars. 51,283; June 7.

# LIST OF REGISTRANTS OF PRINTS

Tidewater Optical Co., Inc., Norfolk, Va. Toco-Disc Lens. For Lenses. 16,868; June 7.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED

### CLASS 1

Coal. Tildesley Coal Co. 357,642; June 7.
Feathers. Schadt & Mathewson. 122,535; renewed Aug. 20, 1938.
Leather. G. Levor & Co. 357,569; June 7; Serial No. 401,824; published Mar. 29, 1938.
Leather. J. Lichtman & Sons. 357,612; June 7; Serial No. 402,531; published Mar. 29, 1938.
Leathers, Shoe and glove. Fred Rueping Leather Co. 123,270; renewed Oct. 22, 1938.
Plastic material, Synthetic. American Merchandise Co. Inc. 357,591; June 7; Serial No. 402,169; published Mar. 29, 1938.
Seeds, seed grains and grain and field seeds, Legume. Funk Bros. Seed Co. 357,522; June 7; Serial No. 401,142; published Mar. 22, 1938.
Skins and pelts, Fur. Central Corporation "Sojuspushnina". 357,404; June 7; Serial No. 398,580; published Mar. 29, 1938.
Wood pulp. Rayonier Incorporated. 357,602; June 7; Serial No. 402,315; published Mar. 29, 1938.

### CLASS 2

Containers, Tubular. Ivers-Lee Company. 357,393; June 7; Serial No. 389,990; published Mar. 29, 1938.
Protectors, Shoe. Howard Paper Company. 357,419; June 7; Serial No. 395,867; published Mar. 29, 1938.
Wrappers and/or bags. Joe Lowe Corporation. 357,535; June 7; Serial No. 401,311; published Mar. 1, 1938.

### CLASS 4

Broaching and lapping compounds. National Broach & Machine Co. 357,504; June 7; Serial No. 400,785; published Mar. 29, 1938.
Cleaning aid, Dry. Midland Chemical Laboratories, Inc. 357,596; June 7; Serial No. 402,231; published Mar. 29, 1938.
Cleaning compound. J. B. Ford Company. 357,418; June 7; Serial No. 395,860; published Mar. 29, 1938.
Cleansing and detergent preparation, Chemical. General Chemical Company. 357,555; June 7; Serial No. 401,665; published Mar. 29, 1938.
Soap and shaving cream, Shaving. McKesson & Robbins, Incorporated. 357,523; June 7; Serial No. 401,161; published Mar. 29, 1938.

### CLASS 5

Swift and Company, Chicago, Ill. Glue. 357,619; June 7; Serial No. 402,609; published Mar. 29, 1938.



### CLASS 6

Chemical soil test for nitrates. Urbana Laboratories. 357,630; June 7.
Cigarette papers. Braunstein Freres, Incorporated. 357,611; June 7; Serial No. 402,507; published Mar. 29, 1938.
Cosmetics. H. T. Klonder. 357,648; June 7.
Emulsion for waterproofing and stainproofing fabrics. Stainproof License and Distributing Corporation. 357,644; June 7.
Hair tonic, shampoos, face powder, etc. American Hair Design Institute, Inc. 357,640; June 7.
Lipoprotein-nucleic acid complex. Chemical Industries Corporation. 357,635; June 7.
Medicinal preparations. B. Feldman. 357,646; June 7.
Oil for use on textiles. E. F. Houghton & Co. 122,383; renewed July 30, 1938.
Perfumes, toilet water, and face-powders. J. R. Watkins Medical Co. 121,984; renewed June 11, 1938.
Preparation to correct an acid condition of the stomach. M. F. Pratt. 122,906; renewed Sept. 24, 1938.
Shampoos. J. J. Wittwer, Sr. 121,996; renewed June 11, 1938.

### CLASS 10

Fertilizers. Apothecaries Hall Company. 123,314; renewed Oct. 29, 1938.

### CLASS 14

Solder. M. Sienkiewicz. 357,614; June 7; Serial No. 402,575; published Mar. 22, 1938.

### CLASS 15

Oil, Fuel. Fuel Oil Company of St. Louis. 357,654; June 7.
Oils, Lubricating. W. H. Reed. 357,656; June 7.
Oils, Motor. Superior Oil Works. 357,659; June 7.

### CLASS 16

Paints and paint enamels. Glidden Company. 357,639; June 7.
Varnishes. Great Lakes Varnish Works, Inc. 357,546; June 7; Serial No. 401,434; published Mar. 1, 1938.

### CLASS 17

Cigarettes. Skillern & Sons, Inc. 357,525; June 7; Serial No. 401,199; published Mar. 29, 1938.
Cigars. Jose Escalante & Co. 357,537; June 7; Serial No. 401,341; published Mar. 1, 1938.

### CLASS 19

Aeroplanes and structural parts thereof. Renault-Aviation. 357,412; June 7; Serial No. 396,050; published Mar. 29, 1938.
Oars, hydro-plane and canoe paddles, and punting poles. L. H. Turner. 357,400; June 7; Serial No. 392,898; published Mar. 29, 1938.
Radio equipment and radio communication systems and equipment and parts and accessories therefor. Bendix Aviation Corporation. 357,382; June 7; Serial No. 383,250; published Mar. 29, 1938.

### CLASS 20

Floor-coverings. Congoleum Company. 122,686; renewed Sept. 10, 1938.

### CLASS 21

Aerials, Automobile. Ward Products Corporation. 357,505; June 7; Serial No. 400,822; published Mar. 29, 1938.
Cables, wires, and conductors for electric current. Williamsport Wire Rope Company. 357,416; June 7; Serial No. 395,777; published Mar. 29, 1938.
Electric-incandescent-light bulbs. North American Electric Lamp Company. 122,908; renewed Sept. 17, 1938.
Electrical devices for charging wire fences. G. W. Wright. 357,480; June 7; Serial No. 400,269; published Mar. 29, 1938.
Electrical signs, sign panels and flashes and contacts. Bastee Products Corporation. 357,502; June 7; Serial No. 389,903; published Mar. 29, 1938.
Insulating fluid, Electrical. American Transformer Company. 357,508; June 7; Serial No. 400,863; published Mar. 29, 1938.
Radio receivers and parts therefor. Dictograph Products Company. 357,421; June 7; Serial No. 396,121; published Mar. 29, 1938.
Screens for use in cathode ray tubes, Fluorescent. RCA Manufacturing Company. 357,429; June 7; Serial No. 397,085; published Mar. 29, 1938.
Shavers, Electric. Nicholl, Inc. 357,401; June 7; Serial No. 393,142; published Mar. 29, 1938.

### CLASS 22

Cards and slides for an amusement game. Hollywood Amusement Company. 357,434; June 7; Serial No. 397,364; published Mar. 22, 1938.
Cards and slides for an amusement game. Hollywood Amusement Company. 357,441; June 7; Serial No. 397,849; published Mar. 22, 1938.
Fishing spoons. Porcelure Fishing Equipment Company. 357,625; June 7; Serial No. 402,793; published Mar. 22, 1938.
Game, Educational. W. H. Thomas. 357,516; June 7; Serial No. 401,006; published Feb. 15, 1938.
Games of chance. Werts Novelty Company. 357,391; June 7; Serial No. 387,808; published Mar. 29, 1938.
Games, Target. Roy-Toy Company. 357,417; June 7; Serial No. 395,838; published Mar. 29, 1938.
Golf clubs, golf balls, and golf bags. Chicago Golf Ball Company. 357,661; June 7.
Toy balloons and games of skill, Rubber. NEA Service, Inc. 357,426; June 7; Serial No. 396,503; published Mar. 1, 1938.
Wheel or "wheel of fortune", Non-repeating indicating. Four-Jacks Corporation. 357,470; June 7; Serial No. 399,654; published Jan. 25, 1938.

### CLASS 23

Atomizing apparatus, Liquid. Andre (Components) Limited. 357,491; June 7; Serial No. 400,489; published Mar. 29, 1938.
Canning machinery and the like. F. G. Dickerson Co. 115,167; renewed Jan. 30, 1937.
Chart manipulating and displaying apparatus for use with the lubrication and service of vehicles, etc. Shell Petroleum Corporation. 357,453; June 7; Serial No. 398,692; published Mar. 29, 1938.
Concrete mixing machines. Koehring Company. 357,457; June 7; Serial No. 398,851; published Mar. 1, 1938.
Conveyors, Stationary gravity. Paul Duber and Sons. 357,461; June 7; Serial No. 399,170; published Mar. 22, 1938.
Electric dry shavers. H. T. Schiff. 357,658; June 7.
Fabric trimming attachments and parts thereof for sewing machines. Man-Sew Pinking Attachment Corp. 357,406; June 7; Serial No. 393,813; published Mar. 1, 1938.
Fabric trimming attachments and parts thereof for sewing machines. Man-Sew Pinking Attachment Corp. 357,473; June 7; Serial No. 399,721; published Mar. 1, 1938.
Floor machines and attachments therefor. H. H. Schumaker. 357,663; June 7.
Gears, pulleys, and sprockets. Gears and Transmissions Corporation. 357,411; June 7; Serial No. 394,984; published Mar. 29, 1938.
Machines for the manufacture and refining of pulp. Gruendler Crusher and Pulverizer Company. 357,553; June 7; Serial No. 401,606; published Mar. 29, 1938.
Stirrers or muddlers, Drink. Youngberg Brothers. 357,415; June 7; Serial No. 395,555; published Mar. 29, 1938.
Taps, threading dies, hack saw blades, etc. H. L. Hanson. 357,446; June 7; Serial No. 398,244; published Mar. 29, 1938.
Tools, and parts thereof, and diamond-set slugs therefor, Diamond-set. Koebel Diamond Tool Co. 357,449; June 7; Serial No. 398,474; published Apr. 5, 1938.
Typewriters. Underwood Elliott Fisher Company. 357,469; June 7; Serial No. 399,519; published Mar. 29, 1938.
Valve seats. Thompson Products, Incorporated. 357,543; June 7; Serial No. 401,407; published Mar. 29, 1938.
Wheels for pipe cutters and pipe cutters. Erie Manufacturing Company. 357,414; June 7; Serial No. 395,355; published Mar. 29, 1938.

### CLASS 24

Ironing boards, pads and covers, wash boilers, etc. Allied Stores Corporation. 357,545; June 7; Serial No. 401,419; published Mar. 1, 1938.

### CLASS 26

Cameras and photographic film pack adapters, Photographic. Folmer Graflex Corporation. 357,481; June 7; Serial No. 400,296; published Mar. 29, 1938.
Rennet test apparatus. Chr. Hansen's Laboratory, Inc. 357,594; June 7; Serial No. 402,220; published Mar. 29, 1938.
Testing machinery, Shoe. W. L. Douglas Shoe Co. 357,479; June 7; Serial No. 400,189; published Mar. 29, 1938.

### CLASS 27

Clocks and watches. New Haven Clock Company. 357,622; June 7; Serial No. 402,739; published Mar. 29, 1938.
Watches and clocks. Longines-Wittnauer Co. Inc. 357,388; June 7; Serial No. 386,434; published Mar. 29, 1938.

### CLASS 28

Knives, forks, spoons, etc., Silver-plated. International Silver Company. 123,043; renewed Oct. 8, 1938.

### CLASS 29

Brushes. Black & Decker Manufacturing Company. 357,427; June 7; Serial No. 396,662; published Nov. 9, 1937.

### CLASS 32

Cabinets, Medicine. Hallenscheid & McDonald. 357,647; June 7.
Chairs especially designed for the office. General Fireproofing Co. 357,613; June 7; Serial No. 402,562; published Mar. 22, 1938.
Furniture. Drexel Furniture Co. 357,657; June 7.
Furniture, Residential and office. Barker Bros., Incorporated. 357,625; June 7; Serial No. 402,998; published Mar. 29, 1938.
Racks, Merchandise display. Minneapolis Paper Co. 357,432; June 7; Serial No. 397,195; published Feb. 22, 1938.
Springs, mattresses, and pillows, Box. A. Weigell & Son, Inc. 357,486; June 7; Serial No. 400,395; published Feb. 8, 1938.

Upholstery spring construction, mattresses, and seat cushions. Nachman Springfilled Corporation. 357,610; June 7; Serial No. 402,485; published Mar. 29, 1938.

CLASS 34

Air conditioning units. Borg-Warner Corporation. 357,407; June 7; Serial No. 394,313; published Mar. 29, 1938.

Gas-burning apparatus. Maxon Premix Burner Company. 123,258; renewed Oct. 22, 1938.

CLASS 35

Belting, Round leather. Graton and Knight Manufacturing Company. 123,226; renewed Oct. 22, 1938.

Washers, packing, valves, etc., Gage glass. La Favorite Rubber Manufacturing Co. 357,439; June 7; Serial No. 397,760; published Jan. 18, 1938.

CLASS 36

Accordions. Sears, Roebuck and Co. 357,632; June 7.

Records, Musical accompaniment. K. Ross. 357,428; June 7; Serial No. 397,063; published Mar. 29, 1938.

CLASS 37

Erasers. American Lead Pencil Company. 357,467; June 7; Serial No. 399,436; published Mar. 1, 1938.

Paper, Wall. Isgo Wall Paper Corporation. 357,442; June 7; Serial No. 397,852; published Mar. 29, 1938.

Papers, Writing and printing. Beekman Paper and Card Company. 122,178; renewed July 9, 1938.

Paper, Writing and printing. Strathmore Paper Company. 357,607; June 7; Serial No. 402,387; published Mar. 29, 1938.

Papers and envelopes, writing paper, etc., Letter. Kresge Department Store, Newark. 357,482; June 7; Serial No. 400,311; published Mar. 29, 1938.

Tissue, Toilet. Allied Stores Corporation. 357,544; June 7; Serial No. 401,417; published Mar. 29, 1938.

CLASS 38

Books, periodicals, pamphlets, etc. International Brotherhood of Steam Shovel and Dredge Men. 122,087; renewed June 25, 1938.

Cards, calendars, and decorative printed tags, Greeting. Norcross. 357,498; June 7; Serial No. 400,653; published Mar. 15, 1938.

Charts and guides, Oil lubrication. Service Analysis, Inc. 357,433; June 7; Serial No. 397,305; published Mar. 1, 1938.

Illustrations, Artistic. Transart Aktiebolag. 357,409; June 7; Serial No. 394,919; published Mar. 29, 1938.

Journal, Trade. American Colortype Company. 357,563; June 7; Serial No. 401,761; published Mar. 29, 1938.

Magazine, Animal Rescue League of Boston. 357,593; June 7; Serial No. 402,212; published Mar. 29, 1938.

Magazine, Trade. J. E. Ciano. 357,452; June 7; Serial No. 398,665; published Mar. 29, 1938.

Magazine, Weekly. Frank A. Munsey Company. 357,497; June 7; Serial No. 400,609; published Mar. 29, 1938.

News relcases. Federated Press. 357,466; June 7; Serial No. 399,295; published Feb. 22, 1938.

Newspaper syndicated feature. Public Ledger, Inc. 357,512; June 7; Serial No. 400,923; published Mar. 1, 1938.

Packets, sets, and mixtures of postage stamps. Universal Stamp Company. 357,383; June 7; Serial No. 383,287; published Feb. 22, 1938.

Periodical. Fiction House, Inc. 357,562; June 7; Serial No. 401,730; published Mar. 22, 1938.

Periodical. J. Kats. 357,595; June 7; Serial No. 402,224; published Mar. 22, 1938.

Periodical. J. V. Yates. 357,436; June 7; Serial No. 397,397; published Mar. 29, 1938.

Periodical program skits for a radio station. D. C. Goodman. 357,540; June 7; Serial No. 401,528; published Mar. 29, 1938.

Periodical program skits for radio stations. E. Brisacher. 357,592; June 7; Serial No. 402,174; published Mar. 22, 1938.

Periodicals. Dr. P. Phillips Company. 357,448; June 7; Serial No. 398,441; published Mar. 29, 1938.

Periodicals, catalogues, and booklets. Graduate School of Banking. 357,520; June 7; Serial No. 401,108; published Mar. 29, 1938.

Photographs. Marshall Photographer, Inc. 357,604; June 7; Serial No. 402,340; published Mar. 29, 1938.

Prints and enlargements, Photographic. F. E. Buerlot. 357,597; June 7; Serial No. 402,245; published Mar. 22, 1938.

Publication. Corn Products Sales Company. 357,601; June 7; Serial No. 402,290; published Mar. 22, 1938.

Publication. E. T. Leigh. 357,506; June 7; Serial No. 400,844; published Mar. 29, 1938.

Publication. David McKay Company. 357,515; June 7; Serial No. 400,982; published Mar. 1, 1938.

Publication, Legal. Fiduciary Review. 357,556; June 7; Serial No. 401,669; published Mar. 29, 1938.

Publications. Junior Cavalry of America, Inc. 357,501; June 7; Serial No. 400,730; published Mar. 1, 1938.

Publications. Potter Company. 357,443; June 7; Serial No. 397,910; published Feb. 1, 1938.

Race result predicting devices. D & D Corporation. 357,574–5; June 7; Serial Nos. 401,926–7; published Mar. 29, 1938.

Title for a rotogravure section of The Philadelphia Inquirer. Philadelphia Inquirer Company. 357,558; June 7; Serial No. 401,703; published Mar. 15, 1938.

CLASS 39

Apparel, Wearing. College Pointers. 357,534; June 7; Serial No. 401,296; published Mar. 22, 1938.

Apparel, Wearing. J. C. Penney Company. 357,499; June 7; Serial No. 400,656; published Mar. 15, 1938.

Apparel, Women's wearing. Chic Manufacturing Company. 357,561; June 7; Serial No. 401,726; published Mar. 29, 1938.

Arctics, rubber boots, rubber galoshes, etc., Rubber. J. C. Penney Company. 357,662; June 7.

Bathrobes, rubber pants, and textile diapers, Babies'. McCrory Stores Corporation. 357,474; June 7; Serial No. 399,845; published Mar. 15, 1938.

Belts, suspenders, and garters. Knothe Brothers Co. Inc. 357,542; June 7; Serial No. 401,390; published Mar. 15, 1938.

Blouses, dresses, and sweaters. Harry Comlett & Co. 357,518; June 7; Serial No. 401,048; published Feb. 22, 1938.

Boots and shoes. International Shoe Co. 357,578; June 7; Serial No. 401,935; published Mar. 22, 1938.

Boots and shoes, Leather. Knipe Bros., Inc. 122,592; renewed Aug. 27, 1938.

Boots and shoes, Rubber. L. Candee & Company. 122,575; renewed Aug. 27, 1938.

Boots or shoes. H. J. Justin and Sons Inc. 357,430; June 7; Serial No. 397,098; published Mar. 22, 1938.

Boots, shoes, slippers, and sandals. J. H. Gilbert. 357,503; June 7; Serial No. 400,760; published Mar. 15, 1938.

Brassières, foundation garments, corsets, etc. Beautee-Fit Company. 357,533; June 7; Serial No. 401,289; published Mar. 1, 1938.

Children's vests, bloomers, etc.; ladies' vests, etc. Laros Textiles Company. 357,636; June 7.

Clothing. Kronenberg-Henigson, Inc. 357,616; June 7; Serial No. 402,598; published Mar. 29, 1938.

Clothing. J. H. McElvoy. 357,413; June 7; Serial No. 395,138; published Mar. 1, 1938.

Clothing, wool mittens and gloves, etc., Ski. Meier & Frank Company. 357,458; June 7; Serial No. 398,912; published Mar. 1, 1938.

Coats, suits, and jackets, Ladies'. Louis Shipman & Baker Co. 357,567; June 7; Serial No. 401,791; published Mar. 29, 1938.

Corsets. Lily of France Corset Company. 357,517; June 7; Serial No. 401,026; published Mar. 15, 1938.

Corsets and brassières and combinations thereof. H & W Company. 357,606; June 7; Serial No. 402,375; published Mar. 29, 1938.

Corsets, girdles, and combination corsets and brassières. H. W. Gossard Co. 357,605; June 7; Serial No. 402,373; published Mar. 22, 1938.

Dresses. Hubrite Informal Frocks, Inc. 357,483; June 7; Serial No. 400,344; published Feb. 1, 1938.

Dresses, Ladies'. Tabin-Picker & Company. 357,608; June 7; Serial No. 402,389; published Mar. 29, 1938.

Dresses, Ladies' and children's. J. C. Penney Company. 357,468; June 7; Serial No. 399,513; published Feb. 22, 1938.

Dresses, shirts, bloomers, etc. Lorraine Manufacturing Company. 357,395; June 7; Serial No. 390,222; published Mar. 1, 1938.

Frocks. Porter Company. 357,566; June 7; Serial No. 401,789; published Mar. 15, 1938.

Girdle and knitted shorts, Men's combined. B. V. D. Corporation. 357,581; June 7; Serial No. 401,978; published Mar. 15, 1938.

Gloves. Louis Meyers & Son, Inc. 357,485; June 7; Serial No. 400,384; published Mar. 1, 1938.

Gloves and gauntlets. Toledo Glove Manufacturing Company. 357,649; June 7.

Gloves, Rubber. Pioneer Rubber Company. 357,450; June 7; Serial No. 398,490; published Mar. 29, 1938.

Handkerchiefs. Roha Leinen- und Baumwollwaren-Druckerei Inh. K. M. Löwit. 357,494; June 7; Serial No. 400,514; published Mar. 22, 1938.

Handkerchiefs. David E. Schwab & Co. 357,462; June 7; Serial No. 399,206; published Mar. 1, 1938.

Handkerchiefs and scarfs. Blossom Manufacturing Co. 357,589; June 7; Serial No. 402,085; published Mar. 15, 1938.

Handkerchiefs, Linen. Robinson & Cleaver Limited. 357,496; June 7; Serial No. 400,570; published Mar. 15, 1938.

Hats and caps. Louis J. Berger & Sons. 357,464; June 7; Serial No. 399,267; published Mar. 29, 1938.

Hats and hat bodies for women's and children's hats. Henry Pollak, Inc. 357,509; June 7; Serial No. 400,877; published Mar. 15, 1938.

Hats, caps, outer shirts, etc. D. Israel. 357,440; June 7; Serial No. 397,808; published Mar. 29, 1938.

Hats, Felt. A. E. Hedblom Corporation. 357,531; June 7; Serial No. 401,262; published Mar. 1, 1938.

Hats for men. No Name Hat Company. 357,454; June 7; Serial No. 398,789; published Mar. 22, 1938.

Hats for women and children and hat bodies for the same. Henry Pollak, Inc. 357,521; June 7; Serial No. 401,119; published Mar. 15, 1938.

Hats, Ladies'. Selfair, Inc. 357,387; June 7; Serial No. 385,753; published Feb. 9, 1937.

Hats, Ladies' and children's. C. Kartiganer. 357,399; June 7; Serial No. 392,539; published Mar. 22, 1938.



Heels and soles, gloves, etc., Rubber. B. F. Goodrich Company. 357,423; June 7; Serial No. 396,128; published Feb. 15, 1938.

Heels and soles, Rubber. Holtite Manufacturing Co. 357,488; June 7; Serial No. 400,418; published Mar. 1, 1938.

Hosiery. Cannon Mills Company. 357,598; June 7; Serial No. 402,246; published Mar. 29, 1938.

Hosiery. Contour Hosiery Mills. 357,615; June 7; Serial No. 402,584; published Mar. 29, 1938.

Hosiery. J. C. Penney Company. 357,527; June 7; Serial No. 401,223; published Feb. 22, 1938.

Hosiery. A. C. Sidley & Co. 357,618; June 7; Serial No. 402,607; published Mar. 29, 1938.

Jerseys, gym shirts, softball jerseys, etc., Football. Wilton Manufacturing Company. 357,645; June 7.

Lingerie, gloves, and hosiery. Moss Stores, Inc. 357,378; June 7; Serial No. 372,679; published Mar. 15, 1938.

Necktles. Botany Worsted Mills. 357,410; June 7; Serial No. 394,931; published Sept. 7, 1937.

Necktles, bath robes, pajamas, etc. Brown & Wells, Inc. 357,437; June 7; Serial No. 397,433; published Mar. 15, 1938.

Necktles, mufflers, gloves, etc. Allied Knitting Mills. 357,476; June 7; Serial No. 399,988; published Feb. 15, 1938.

Neckwear. Frank & Meyer Neckwear Company. 357,487; June 7; Serial No. 400,410; published Mar. 1, 1938.

Overalls, men's coats, outer shirts, etc. Klimax Overall Company. 357,398; June 7; Serial No. 391,226; published Feb. 22, 1938.

Pajamas, belts, garters, and suspenders. Knothe Brothers Co. Inc. 357,548; June 7; Serial No. 401,491; published Mar. 15, 1938.

Raincoats, Children's. Puritan Raincoat Co. Inc. 357,444; June 7; Serial No. 397,911; published Feb. 22, 1938.

Shirts and pajamas, Outer. Bronne Shirt Co. 357,539; June 7; Serial No. 401,368; published Mar. 29, 1938.

Shirts, vests, union suits, etc., Infants' and children's. Earnshaw Knitting Company. 357,492–3; June 7; Serial Nos. 400,497–8; published Mar. 29, 1938.

Shoes. Bloomingdale Bros., Inc. 357,637; June 7.

Shoes. Cort Shoes, Inc. 357,650; June 7.

Shoes. Huth & James Shoe Co. 357,425; June 7; Serial No. 396,400; published Mar. 15, 1938.

Shoes. Johnson-Stephens & Shinkle Shoe Company. 357,376; June 7; Serial No. 369,536; published Nov. 30, 1937.

Shoes. Johnson-Stephens & Shinkle Shoe Company. 357,379; June 7; Serial No. 378,487; published Nov. 23, 1937.

Shoes. Johnson-Stephens & Shinkle Shoe Company. 357,380; June 7; Serial No. 379,098; published Dec. 14, 1937.

Shoes. Johnson, Stephens & Shinkle Shoe Company. 357,386; June 7; Serial No. 385,586; published Jan. 4, 1938.

Shoes. Arthur J. Machin and A. H. Probyn. 357,438; June 7; Serial No. 397,715; published Mar. 15, 1938.

Shoes. H. Miller. 357,638; June 7.

Shoes. Na-Way Shoe Co. Inc. 357,397; June 7; Serial No. 390,280; published Mar. 1, 1938.

Shoes. Stone Shoe Company. 357,463; June 7; Serial No. 399,210; published Mar. 8, 1938.

Shoes and sandals. Ansonia De Luxe Shops, Inc. 357,660; June 7.

Shoes and slippers. A. S. Beck Shoe Corporation. 357,500; June 7; Serial No. 400,679; published Feb. 15, 1938.

Shoes and slippers. Juvenile Shoe Corporation of America. 357,514; June 7; Serial No. 400,972; published Mar. 15, 1938.

Shoes, Children's. Goldblatt Bros. Inc. 357,513; June 7; Serial No. 400,968; published Mar. 15, 1938.

Shoes, Children's. Frederick Loeser & Co., Inc. 357,507; June 7; Serial No. 400,845; published Mar. 15, 1938.

Shoes for women, Leather. National Shoe Corporation. 357,402; June 7; Serial No. 393,180; published Mar. 22, 1938.

Shoes, Ladies'. I. Miller and Sons, Inc. 357,564; June 7; Serial No. 401,753; published Mar. 15, 1938.

Shoes, Leather. H. J. Justin and Sons Inc. 357,431; June 7; Serial No. 397,100; published Mar. 1, 1938.

Shoes, Leather. May Department Stores Company. 357,536; June 7; Serial No. 401,313; published Mar. 22, 1938.

Shoes, slippers, and sandals. M. J. Saks Shoe Corp. 357,655; June 7.

Skirts, Dress. Knorr Mercantile Company. 357,620; June 7; Serial No. 402,637; published Mar. 29, 1938.

Soles and heels, Rubber. Goodyear Tire & Rubber Company. 357,540–1; June 7; Serial Nos. 401,384–5; published Mar. 1, 1938.

Soles and heel top pieces of boots and shoes. R. S. Lawrence. 357,422; June 7; Serial No. 396,123; published Mar. 1, 1938.

Suits, dancing suits, etc., Gymnasium. E. R. Moore Company. 357,651; June 7.

Suits, dresses, coats, etc., Costume. S. Etkin. 357,529; June 7; Serial No. 401,245; published Mar. 1, 1938.

Suits, overcoats, raincoats, etc. A. A. Ruben. 357,435; June 7; Serial No. 397,381; published Mar. 15, 1938.

Suspenders, belts, and garters. H. Englander. 357,633; June 7.

Sweatbands, Leather. Harris & Tipograph, Inc. 357,551–2; June 7; Serial Nos. 401,571–2; published Mar. 15, 1938.

Sweaters, Knitted. Olympic Knitting Mills, Inc. 357,586; June 7; Serial No. 402,069; published Mar. 29, 1938.

Sweaters, leather and cloth sport jackets, etc., Men's and boys'. David D. Doniger & Co. 357,584; June 7; Serial No. 402,045; published Mar. 22, 1938.

Underwear and nightgowns. Sig. Rosenthal Co. Inc. 357,456; June 7; Serial No. 398,826; published Mar. 8, 1938.

Uniforms, and riding habits, Men's. Wender & Goldstein, Inc. 357,579–80; June 7; Serial Nos. 401,952–3; published Mar. 29, 1938.

Wear, Knitted outer. Jayknit Company Inc. 357,477; June 7; Serial No. 400,056; published Mar. 8, 1938.

CLASS 40

Artificial flowers. Jack Frank & Co. 357,577; June 7; Serial No. 401,929; published Mar. 29, 1938.

Braids for use in the manufacture of hats. R. H. Comey Brooklyn Company. 357,582; June 7; Serial No. 401,986; published Mar. 15, 1938.

Clasps for garment supporters and the like. King Clasp Company. 357,524; June 7; Serial No. 401,188; published Mar. 15, 1938.

Combs. American Hard Rubber Company. 357,455; June 7; Serial No. 398,802; published Mar. 29, 1938.

Combs. New York Hamburger Gummi-Waaren Compagnie. 357,460; June 7; Serial No. 399,004; published Mar. 29, 1938.

Dress-fasteners, Spring. A. Haslauer. 121,296; renewed Apr. 23, 1938.

Needles and hand sewing needles, Hand knitting. Lily Mills Company. 357,511; June 7; Serial No. 400,914; published Mar. 22, 1938.

Tapestries, Partly finished needlepoint. Dritz-Traum Company. 357,385; June 7; Serial No. 384,651; published Feb. 9, 1937.

CLASS 42

Bandages of cheese cloth, Cheese. Chr. Hansen's Laboratory, Inc. 357,420; June 7; Serial No. 395,094; published Mar. 29, 1938.

Bedspreads. Bates Manufacturing Company. 123,189; renewed Oct. 22, 1938.

Bedspreads. C. M. Jones & Co. 357,547; June 7; Serial No. 401,439; published Mar. 8, 1938.

Cotton piece goods. Riegel Textile Corporation. 357,510; June 7; Serial No. 400,878; published Mar. 15, 1938.

Curtains. Sears, Roebuck and Co. 357,559; June 7; Serial No. 401,705; published Mar. 1, 1938.

Fabrics. Celanese Corporation of America. 357,626–7; June 7; Serial Nos. 402,933–4; published Mar. 29, 1938.

Fabrics in the piece. S. T. Palay Textile Corporation. 357,624; June 7; Serial No. 402,791; published Mar. 29, 1938.

Fabrics in the piece, Upholstery. A. B. Rydell. 357,587; June 7; Serial No. 402,075; published Mar. 29, 1938.

Fabrics, Upholstery and drapery. Allen Kandell, Inc. 357,526; June 7; Serial No. 401,220; published Feb. 22, 1938.

Nets, hair nets, and completed sports nets, Water wave. Glemby Company. 357,572; June 7; Serial No. 401,895; published Mar. 29, 1938.

Percales, sheets, and pillow cases. W. O. Wandell. 357,554; June 7; Serial No. 401,629; published Mar. 22, 1938.

Piece goods. D. Ballantyne Brothers & Company. 357,621; June 7; Serial No. 402,673; published Mar. 29, 1938.

Piece goods. Haft & Company. 357,530; June 7; Serial No. 401,259; published Mar. 29, 1938.

Piece goods. C. C. Half. 357,570; June 7; Serial No. 401,860; published Mar. 29, 1938.

Piece goods. Lampl Sportswear Manufacturing Company. 357,490; June 7; Serial No. 400,488; published Mar. 29, 1938.

Piece goods. Lord & Taylor. 357,571; June 7; Serial No. 401,868; published Mar. 29, 1938.

Quilts, pads. C. L. Thomas. 357,532; June 7; Serial No. 401,281; published Mar. 22, 1938.

Rayon and acetate cloth. Chopak Textile Co. Inc. 357,489; June 7; Serial No. 400,453; published Mar. 29, 1938.

Sheets, pillow cases, towels, etc. R. H. Macy & Co. 357,519; June 7; Serial No. 401,065; published Mar. 1, 1938.

Sheeting, Unbleached. Baltimore Bargain House. 122,005; renewed June 18, 1938.

Towels and towelings, Dish. Sears, Roebuck and Co. 357,623; June 7; Serial No. 402,744; published Mar. 29, 1938.

Veils. Jack Frank & Co. 357,576; June 7; Serial No. 401,928; published Mar. 29, 1938.

CLASS 43

Thread, cotton. Summit Thread Company. 121,667; renewed May 14, 1938.

CLASS 44

Apparatus for storing parenteral fluids, etc. Fenwal Incorporated. 357,568; June 7; Serial No. 401,813; published Mar. 29, 1938.

Trusses for use with injection treated hernia. Brooks Appliance Company. 357,643; June 7.

CLASS 45

Beverages and extracts and syrups for making the same. Delaware Punch Company of Texas. 122,196; renewed July 9, 1938.

Beverages, Carbonated. Sol Lesaner Corporation. 357,573; June 7; Serial No. 401,901; published Mar. 15, 1938.

Beverages, Maltless. F. Guerrera. 357,590; June 7; Serial No. 402,128; published Mar. 22, 1938.

Powder as an ingredient for a soft drink. L. D. Margolis Corp. 357,617; June 7; Serial No. 402,601; published Mar. 29, 1938.

CLASS 46

Bread. R. J. Wood. 357,394; June 7; Serial No. 390,104; published Mar. 29, 1938.

Butter. C. W. Nelson. 121,810; renewed May 28, 1938.

Candy, Mars, Incorporated. 357,400; June 7; Serial No. 402,268; published Mar. 29, 1938.

Canned crushed apples, and apple rings. E. K. Malmquist. 357,484; June 7; Serial No. 400,381; published Mar. 29, 1938.

Canned fruits. Grand Union Company. 357,384; June 7; Serial No. 383,927; published Sept. 14, 1937.

Canned fruits, and olives, olive oil, etc. Supreme Olive Oil Corp. 357,560; June 7; Serial No. 401,708; published Mar. 22, 1938.

Canned sardines. S. Boschen. 357,445; June 7; Serial No. 398,087; published Mar. 8, 1938.

Canned sauce. Francis H. Leggett & Company. 357,390; June 7; Serial No. 387,706; published Mar. 1, 1938.

Canned vegetables, frozen fruits, canned fruit juices, etc. John Sexton & Co. 357,405; June 7; Serial No. 393,737; published Dec. 28, 1937.

Celery, Fresh. Forbush Company. 357,465; June 7; Serial No. 399,272; published Mar. 29, 1938.

Cereal food products. New Foods, Inc. 357,403; June 7; Serial No. 393,441; published Mar. 29, 1938.

Cheese. S. A. Egidio Galbani. 357,538; June 7; Serial No. 401,360; published Mar. 29, 1938.

Chicken, Fried. E. Kentner. 357,451; June 7; Serial No. 398,540; published Mar. 29, 1938.

Coffee. Chase & Sanborn. 122,783; renewed Sept. 17, 1938.

Coffee beverage, Bottled. Bruno & Solazzo. 357,459; June 7; Serial No. 398,983; published Mar. 29, 1938.

Corn starch. American Maize-Products Company. 357,588; June 7; Serial No. 402,080; published Mar. 29, 1938.

Doughnuts. Braun Baking Company. 357,447; June 7; Serial No. 398,346; published Mar. 29, 1938.

Feed, Stock. Edgar-Morgan Company. 121,637; renewed May 14, 1938.

Food for fur bearing animals and chickens. C. A. Gerber. 357,583; June 7; Serial No. 401,999; published Mar. 29, 1938.

Food products. Donahoe's, Inc. 357,634; June 7.

Foods. Friedrich & Kempe Co. Inc. 122,020; renewed June 18, 1938.

Foods and ingredients of foods. Maggi Co. 357,475; June 7; Serial No. 399,892; published Mar. 29, 1938.

Foods, Animal. P. A. Watson. 357,381; June 7; Serial No. 381,504; published Mar. 29, 1938.

Fruit, Fresh citrus. Irvine Valencia Growers. 357,641; June 7.

Fruits, Citrus. J. A. Miller & Sons. 357,631; June 7.

Fruits, Fresh citrus. Goleta Lemon Association. 357,599; June 7; Serial No. 402,259; published Mar. 29, 1938.

Fruits, Fresh citrus. Pasco Packing Association. 357,557; June 7; Serial No. 401,676; published Mar. 1, 1938.

Fruits, fresh figs, and fresh vegetables, Fresh deciduous. J. O. Hayes. 357,424; June 7; Serial No. 396,132; published Nov. 30, 1937.

Lettuce. Western Growers Protective Association. 357,472; June 7; Serial No. 399,692; published Mar. 29, 1938.

Macaroni, vermicelli, and noodles. Atlantic Macaroni Co. 122,003; renewed June 18, 1938.

Meats and meat products. Kosher Star Sausage Mfg. Co. 357,629; June 7.

Olive-oil. P. Pastene & Co. 121,942; renewed June 11, 1938.

Pears, Fresh. Scotts Valley Fruit Exchange. 357,471; June 7; Serial No. 399,679; published Mar. 1, 1938.

Pop corn, Shelled. W. H. Brown. 357,478; June 7; Serial No. 400,179; published Mar. 29, 1938.

Potatoes. Bellingar & Covington. 357,653; June 7.

Salt. International Salt Company. 357,585; June 7; Serial No. 402,064; published Mar. 29, 1938.

Yeast. Northwestern Yeast Company. 357,609; June 7; Serial No. 402,439; published Mar. 29, 1938.

CLASS 47

Wines. Bohemian Distributing Co. Ltd. 357,377; June 7; Serial No. 372,507; published Mar. 29, 1938.

CLASS 48

Beer. Oshkosh Brewing Co. 357,495; June 7; Serial No. 400,521; published Mar. 29, 1938.

Beer. Springfield Brewing Company. 357,528; June 7; Serial No. 401,226; published Mar. 29, 1938.

Beer. Wausau Brewing Company. 357,603; June 7; Serial No. 402,322; published Mar. 22, 1938.

CLASS 49

Brandies, gins, liqueurs, etc. Hamburger Company. 357,408; June 7; Serial No. 394,602; published Mar. 22, 1938.

Brandy, Apple. Freehold Distilling Company. 357,502; June 7; Serial No. 400,757; published Mar. 15, 1938.

Whiskey. Pennsylvania Distilling Co. 357,389; June 7; Serial No. 387,593; published Mar. 9, 1937.

Whiskies, gins, and alcoholic cordials. Kraus Bros. & Co. 357,652; June 7.

CLASS 50

Caps for bottles and jars. General Can Company. 357,563; June 7; Serial No. 401,736; published Mar. 29, 1938.

Cosmetic outfits. Gilda Audrey Products, Inc. 357,550; June 7; Serial No. 401,565; published Mar. 29, 1938.

Seals for furs and the like, Metal identifying. Security Fur Seal Co. Inc. 357,396; June 7; Serial No. 390,245; published Mar. 29, 1938.

## LIST OF LABELS

Amy Helen, Non-fattening, White Mineral Oil, Salad Dressing. For Salad Dressing. A. H. Keckley. 51,269; June 7.

Anita. For Olive Oil. United Pure Food Co. 51,282; June 7.

Banner Butter. For Butter. Pollock Paper & Box Company. 51,278; June 7.

Borden's Eagle Brand Magic Milk Sweetened Condensed. For Sweetened Condensed Milk. Borden Company. 51,263; June 7.

Cairo Beauties. For Pickles. Cairo Pickle Company. 51,264; June 7.

Centen. For Olive Oil. United Pure Food Co. 51,281; June 7.

Cottage Grove Butter. For Butter. Schlosser Brothers. 51,279; June 7.

'Country Club Brand' Chili Con Corne With Beans. For Canned Chili Con Carne With Beans. Kroger Grocery & Baking Company. 51,273; June 7.

Gold Standard. For Chocolates. Daggett Chocolate Company. 51,267; June 7.

Helb's. For Lager Beer. G. C. Helb. 51,268; June 7.

Italian Pride Wine. For California White Port Wine. L. E. L. Sales Company. 51,275; June 7.

'Kroger's Country Club Brand' Evaporated Milk. For Evaporated Milk. Kroger Grocery & Baking Company. 51,272; June 7.

'Kroger Country Club Brand Concentrated Chili.' For Canned Chili Con Carne Without Beans. Kroger Grocery & Baking Company. 51,274; June 7.

Mother Burg Salve. For Salve. Mrs. C. J. Benson. 51,262; June 7.

Northern Brand Creamery Butter. For Creamery Butter. Columbia Food Company. 51,266; June 7.

Quality Butter. For Butter. Pollock Paper & Box Company. 51,277; June 7.

Rye-Thins. For Bread. Kommanditbolaget Spis- & Knackebrodsfabriken Kronan, Barthel Kock. 51,271; June 7.

See Schor. For Stainless Steel Cable Leaders. J. Schor. 51,280; June 7.

Silver Germicide. For a Germicide. D. J. Keefe, Jr. 51,270; June 7.

Spear. For Paints. L. F. Cassoff. 51,265; June 7.

Town Crier Products. For Portable Public Address Systems and Group Hearing Aid Attachments. H. H. Lipman. 51,276; June 7.

Vangelder Amsterdam-Dutch Collar. For Collars. M. van Gelder. 51,283; June 7.

## LIST OF PRINTS

Toco-Disc Lens. For Lenses. Tidewater Optical Co. 16,868; June 7.

# LIST OF REISSUE, PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 7TH DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bocca, Carlo, Vigevano, Italy. Superposing partial images of polychromatic selection and projecting them to obtain an image in natural colors. Re. 20,748; June 7.

Bressler, Robert E., Oregon, Ill. Fuel burning system. Re. 20,749; June 7.

Hagan Corporation. (See Rosenstein, Ludwig, assignor.)

Horn, Harry J. (See Hunt, J. H., and Horn.)

Hunt, J. Harold, and H. J. Horn, Lansing, assignors, by mesne assignments, to G. A. Lyon, Detroit, Mich. Vehicle wheel. Re. 20,750; June 7.

Jessup & Moore Paper Co., The. (See Plumstead, Joseph E., assignor.)

Lyon, George A. (See Hunt, J. H., and Horn, assignors.)

Maynes, Emma C. (See Maynes, Hyla F., assignor.)

Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Fishing reel. Re. 20,751; June 7.

Plumstead, Joseph E., Wilmington, Del., assignor, by mesne assignments, to The Jessup & Moore Paper Co., Philadelphia, Pa. Producing puffed pulp. Re. 20,752; June 7.

Ritzerfeld, Wilhelm, Berlin, Germany. Manifolding machine. Re. 20,753; June 7.

Rosenstein, Ludwig, San Francisco, Calif., assignor, by mesne assignments, to Hagan Corporation, Pittsburgh, Pa. Treating water. Re. 20,754; June 7.

Sproull, Charles W., Houston, Tex. Valve. Re. 20,755; June 7.

# LIST OF DESIGN PATENTEES

Acocella, Philip F., Brooklyn, N. Y. Manicure implement. 110,010; June 7.

Akins, Clifford M., assignor to Marquette Manufacturing Co. Inc., Minneapolis, Minn. Front panel for an electric arc welder. 110,011; June 7.

American Legion Department of Florida, Inc., The. (See Rowton, Charles H., assignor.)

American-National Company, The. (See Snell, Samuel A., assignor.)

Anderson, Douglas G. (See Anderson, George P. and D. G.)

Anderson, George P. and D. G., assignors to The Standard Computing Scale Company, Detroit, Mich. Coffee grinder. 109,971; June 7.

Anderson, George P. and D. G., assignors to The Standard Computing Scale Company, Detroit, Mich. Combined power unit casing, meat chopper and pan. 109,972; June 7.

Andrews, Jerome E., Andover, Mass. Shoe. 110,012; June 7.

Armao, Mary, New York, N. Y. Dress. 110,051; June 7.

Armao, Mary, New York, N. Y. Dress. 110,052; June 7.

Armao, Mary, New York, N. Y. Dress. 110,053; June 7.

Auto-Wheel Coaster Company. (See Klatt, Rudolph A., assignor.)

Bach, Alfons, New York, N. Y. Cabinet or similar article. 109,973; June 7.

Baer, Albert M., New York, N. Y. Fish knife or similar article. 109,996; June 7.

Baker, William E., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Automobile transport body. 110,013; June 7.

Behrel, Giraud W., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Service bar back counter. 110,014; June 7.

Behrel, Giraud W., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Service bar back counter. 110,015; June 7.

Blanc, Marinette, assignor to Fownes Brothers & Co. Incorporated, New York, N. Y. Glove. 109,997; June 7.

Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet or similar article. 109,974; June 7.

Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Plate or similar article. 109,975; June 7.

Brown, Arthur, Jr., Hillsborough, assignor to San Francisco Bay Exposition, San Francisco, Calif. Commemorative emblem or similar article. 110,016; June 7.

Brownscombe, Philip J. (See Kende, G., and Brownscombe.)

Brunswick-Balke-Collender Company, The. (See Behrel, Giraud W., assignor.)

Budd, Edward G., Manufacturing Co. (See de Sakhnoffsky, Alexis, assignor.)

Christian, Joseph A., Chicago, Ill. Casket. 109,976; June 7.

Christian, Joseph A., Chicago, Ill. Casket. 109,977; June 7.

Ciccone, Silvester. (See Craven, C. L., Ciccone, and Miller.)

Coleman, Tora, New York, N. Y. Dress ensemble. 110,054; June 7.

Colt's Patent Fire Arms Manufacturing Co. (See Donovan, Arthur F., assignor.)

Craven, Clarence L., Detroit, and S. Ciccone and J. G. Miller, Highland Park, Mich. Dancing doll. 109,978; June 7.

Crowley, Daniel J., Grosse Pointe, Mich. Combined table and radio set. 110,017; June 7.

Crowley, Daniel J., Grosse Pointe, Mich. Combined table and radio set. 110,018; June 7.

Crowley, Daniel J., Grosse Pointe, Mich. Combined table and radio receiving set. 110,019; June 7.

Crowley, Daniel J., Grosse Pointe, Mich. Combined table and radio receiving set. 110,020; June 7.

De Journette, Alma M., Chattanooga, Tenn. Doll. 110,044; June 7.

De Sakhnoffsky, Alexis, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Vehicle. 109,995; June 7.

Detwiler, Alfred E., Lake Worth, Fla. Combination desk unit. 109,998; June 7.

Donovan, Arthur F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Button. 110,021; June 7.

Du Pont, E. I., de Nemours & Company. (See Kahn, Julius, assignor.)

Emerson Electric Mfg. Co., The. (See Willey, Walter E., assignor.)

Farber, Louis, Yonkers, N. Y. Gondola tray. 110,022; June 7.

Farrell Manufacturing Company. (See Ferguson, Allan R., assignor.)

Federal Electric Company. (See Hjermstad, H. V., and Sperry, assignors.)

Ferguson, Allan R., assignor to Farrell Manufacturing Company, Joliet, Ill. Tank vehicle body. 110,023; June 7.

Fostoria Glass Company. (See Bottome, Edgar M., assignor.)

Fownes Brothers & Co. Incorporated. (See Blanc, Marinette, assignor.)

Fracchia, Pauline, New York, N. Y. Dress. 110,055; June 7.

Frasher, Herschel S., Leroy, assignor to The Viking Manufacturing Company, Akron, Ohio. Space heater or the like. 109,999; June 7.

Gantner & Mattern Company. (See Riordan, Joseph M., assignor.)

Gotsch, Walter M., Company. (See Hauck, Marie F., assignor.)

Guild, Lurelle, Noroton, Conn. Pitcher. 109,979; June 7.

Guild, Lurelle, Noroton, Conn. Platter. 109,980; June 7.

Harley, Bertron G., Saco, Maine. Diner. 110,000; June 7.

Hauck, Marie F., assignor to Walter M. Gotsch Company, Chicago, Ill. Spread or similar article. 110,024; June 7.

Hawaiian Pineapple Company. (See Mundorff, Theodore J., assignor.)

Henschel, Joseph, New York, N. Y. Coat. 110,056; June 7.

Hewitt, Elmer S., Niles Center, Ill. Casing for electric air driers. 110,001; June 7.

Hickerson, William J., Philadelphia, Pa. Mirror. 109,981; June 7.

Hickerson, William J., Philadelphia, Pa. Mirror. 109,982; June 7.

Hickerson, William J., Philadelphia, Pa. Mirror. 109,983; June 7.

Hickerson, William J., Philadelphia, Pa. Mirror. 109,984; June 7.

Hickerson, William J., Philadelphia, Pa. Chest of drawers. 109,985; June 7.

Hickerson, William J., Philadelphia, Pa. Chest of drawers. 109,986; June 7.

Hickerson, William J., Philadelphia, Pa. Chest of drawers. 109,987; June 7.
Hjermstad, Hans V., and P. F. Sperry, assignors to Federal Electric Company, Chicago, Ill. Casing for an ozonizer. 110,025; June 7.
Kahn, Julius, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Comb or similar article. 110,002; June 7.
Karoff, Robert B., New York, N. Y. Combination container for perfumes. 110,003; June 7.
Kasper, Moe J., New York, N. Y. Sweater ensemble. 110,026; June 7.
Kende, George, New York, N. Y., and P. J. Brownscombe, East Orange, N. J., assignors to Universal Camera Corporation, New York, N. Y. Camera or similar article. 110,027; June 7.
Kende, George, New York, and W. E. Yevick, Brooklyn, N. Y., assignors to Universal Camera Corporation, New York, N. Y. Camera or similar article. 110,028; June 7.
King Innovations, Incorporated. (See Rona, Gustav G., assignor.)
Kirk, Lloyd H., Cranston, and C. Plouffe, assignors to Martin-Copeland Company, Providence, R. I. Pair of spectacles or similar articles. 110,029; June 7.
Klaiber, Edward C., Memphis, Tenn., assignor to Wabash Screen Door Company, Chicago, Ill. Screen door. 110,004; June 7.
Klatt, Rudolph A., Tonawanda, assignor to Auto-Wheel Coaster Company, Inc., North Tonawanda, N. Y. Juvenile car. 109,988; June 7.
Kostellow, Rowena R., assignor to United States Glass Co., Pittsburgh, Pa. Goblet or similar article. 109,989; June 7.
Lewis, Florence N., New York, N. Y. Handbag. 110,045; June 7.
Libbey Glass Company. (See Moll, Norman, assignor.)
Lilienthal, Harry, New York, N. Y. Bottle. 110,030; June 7.
Lorr Laboratories, Inc. (See Reynolds, Edwin T., assignor.)
Mankki, Onnie, Cleveland Heights, Ohio. Smoking stand. 110,005; June 7.
Mankki, Onnie, Cleveland Heights, Ohio. Smoking stand. 110,031; June 7.
Marc, Carl, Laurelton, N. Y. Halo. 110,057; June 7.
Marcell, Carroll K., New York, N. Y. Combined make-up box and mirror. 110,006; June 7.
Marquette Manufacturing Co. Inc. (See Akins, Clifford M., assignor.)
Martin-Copeland Company. (See Kirk, L. H., and Plouffe, assignors.)
McKay, Hugh, Miami, Fla. Baking pan. 110,032; June 7.
Miller, Jay G. (See Craven, C. L., Ciccone, and Miller.)
Moll, Norman, assignor to Libby Glass Company, Toledo, Ohio. Goblet. 109,990; June 7.
Morrison, Willard L., Lake Forest, Ill. Winterfront for automobiles. 110,046; June 7.
Morrison, Willard L., Lake Forest, Ill. Winterfront for automobiles. 110,047; June 7.
Morrison, Willard L., Lake Forest, Ill. Winterfront for automobiles. 110,048; June 7.
Morrison, Willard L., Lake Forest, Ill. Winterfront for automobiles. 110,049; June 7.
Morrison, Willard L., Lake Forest, Ill. Winterfront for automobiles. 110,050; June 7.
Mundorff, Theodore J., assignor to Hawaiian Pineapple Company, Honolulu, Hawaii. Hat or similar article. 110,058; June 7.
Murphy, Ora F., Minneola, Kans. Tax token dispensing machine. 110,033; June 7.
Plouffe, Charles. (See Kirk, L. H., and Plouffe.)
Pollock, Albert E., New York, N. Y. List finder. 110,007; June 7.
Reich, Samuel. (See Williams, Ruth, assignor.)
Reynolds, Edwin T., West Englewood, assignor to Lorr Laboratories, Inc., Paterson, N. J. Bottle or similar container. 110,034; June 7.
Riordan, Joseph M., assignor to Gantner & Mattern Company, San Francisco, Calif. Coat. 110,059; June 7.
Rona, Gustav G., Trenton, N. J., assignor to King Innovations, Incorporated, New York, N. Y. Handbag. 110,008; June 7.
Rosenthal, Samuel W., New York, N. Y. Lamp. 110,035; June 7.
Rowton, Charles H., assignor to The American Legion Department of Florida, Inc., Palatka, Fla. Badge. 110,009; June 7.
San Francisco Bay Exposition. (See Brown, Arthur, Jr., assignor.)
Schlessel, Philip, New York, N. Y. Dress ensemble. 110,036; June 7.
Signet, Fred J., Venice, Calif. Frame for display cards. 109,991; June 7.
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Velocipede step plate. 110,037; June 7.
Sobelman, Morris, St. Louis, Mo. Dress. 110,060; June 7.
Sobelman, Morris, St. Louis, Mo. Dress. 110,061; June 7.
Sperry, Philmore F. (See Hjermstad, H. V., and Sperry.)
Standard Computing Scale Company, The. (See Anderson, George P. and D. G., assignors.)
Straus, Sylvan M., Gloversville, N. Y. Glove. 110,038; June 7.
Stuchin, Max M., Brooklyn, N. Y. Combined scarf and cap. 110,039; June 7.
Toledo Scale Manufacturing Company. (See van Doren, Harold L., assignor.)
United States Glass Co. (See Kostellow, Rowena R., assignor.)
Universal Camera Corporation. (See Kende, G., and Brownscombe, assignors.)
Universal Camera Corporation. (See Kende, G., and Yevick, assignors.)
Van Doren, Harold L., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Scale casing. 109,992; June 7.
Viking Manufacturing Company, The. (See Frasher, Herschel S., assignor.)
Virgile, Gabriel, Long Beach, N. Y. Textile fabric or similar article. 110,040; June 7.
Wabash Screen Door Company. (See Klaiber, Edward C., assignor.)
Wallace, R., & Sons Manufacturing Company. (See Warren, William S., assignor.)
Warner, Henry T., Chicago, Ill. Potato masher. 109,993; June 7.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 110,041; June 7.
Whitehead & Kales Company. (See Baker, William E., assignor.)
Willey, Walter E., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Air circulator. 110,042; June 7.
Williams, Ruth, assignor to S. Reich, Chicago, Ill. Dress ensemble. 110,062; June 7.
Wood, John, Manufacturing Company. (See Woodford, Joseph C., assignor.)
Woodford, Joseph C., Wayne, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Compressed air dispensing casing. 110,043; June 7.
Worrall, Fred C., Oswego, Oreg. Lid for a cooking pot or similar article. 109,994; June 7.
Yevick, William E. (See Kende, G., and Yevick.)
Zavell, Arnold, New York, N. Y. Textile fabric or similar article. 110,063; June 7.

# LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 7TH DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abegg, Walter A., assignor of one-half to B. Reinhold, Los Angeles, Calif. Drill pipe slip. 2,119,731; June 7.
Abele, Theodore J. (See Kuck, H. G., and Abele.)
Acme Backing Corporation. (See Freydberg, Ralph M., assignor.)
Adams, Chas. H. (See Stokes, George, assignor.)
Adams, Harry W. (See Mathews, C. B., Adams, and Berry.)
Adams, William C., Panama City, Fla. Display fixture. 2,120,197; June 7.
Adamson, Seth. (See Roberts, E. F., and Adamson.)
Ad Art Craft. (See Shaw, Louis E., assignor.)
Aberhold, Joseph E., Jr., and O. E. Duemler, Los Angeles, Calif., assignors to Walworth Patents Inc., Boston, Mass. Valve. 2,119,766; June 7.
Aerovox Corporation. (See Heyman, Sam, assignor.)
Agnew, Prentiss B., Atlanta, Ga. Synchronizing apparatus. 2,120,140; June 7.
Ajax Manufacturing Company, The. (See Criley, William W., assignor.)
Ajax Electric Furnace Corporation. (See Wyatt, James R., assignor.)
Aktiengesellschaft fuer Technische Studien. (See Keller, Curt, assignor.)
Alden, Milton, Brockton, Mass. Socket for vacuum tubes, etc. 2,119,517; June 7.
Alexander, Elisha E., Chicago, Ill. Elevator plate mechanism. 2,120,061; June 7.
Allbright-Nell Co., The. (See Lundell, Alvin O., assignor.)
Allmänna Svenska Elektriska Aktiebolaget. (See Lamm, Uno, assignor.)
Aluminum Cooking Utensil Company, The. (See Weinsierl, Joseph T., assignor.)
American Can Company. (See Smith, William R., assignor.)
American Cyanamid & Chemical Corporation. (See Langhorst, Harry J., assignor.)
American Cyanamid & Chemical Corporation. (See Davis, Clarke F., assignor.)
American Enka Corporation. (See Krick, Peter P., assignor.)
American Epok Inc. (See Rosenberg, Kurt, assignor.)
American Hyalsol Corporation. (See Grün, Adolf, assignor.)
American Laundry Machinery, The. (See Waream, Charles E., assignor.)
American Lurgi Corporation. (See Debuch, C. P., and Markworth, assignors.)
American Lurgi Corporation. (See Wendeborn, Helmut, assignor.)
American Machine and Metals, Inc. (See Miller, Edward L., assignor.)
American Metal Company, The. (See Eppensteiner, William F., assignor.)
American Steel and Wire Company of New Jersey, The. (See Grube, Karl, assignor.)
American Steel and Wire Company of New Jersey, The. (See Pease, Bernard S., assignor.)
American Steel and Wire Company of New Jersey, The. (See Peskin, L. C., and Rice, assignors.)
American Steel and Wire Company of New Jersey, The. (See Peterson, Carl H., assignor.)
American Steel and Wire Company of New Jersey, The. (See Bebnster, William J., assignor.)
American Tool & Machinery Co. (See Tholl, John F., assignor.)
American Radiator Company. (See Cornell, Edward S., Jr., assignor.)
American Voith Contact Co. (See Thaler, Wilhelm, assignor.)
Anderson, Emil, Briarcliff Manor, N. Y. Crating apparatus. 2,119,767; June 7.
Anderson, Robert J., assignor to Victory Fireworks and Specialty Company, Elkton, Md. Float light. 2,119,697; June 7.
Anderson, Russell G. (See Blasek, J. Y., and Anderson.)
Anderson, Zele F., Hereford, S. Dak. Grave marker. 2,120,082; June 7.
Andreau, Jean E., Paris, France, assignor to "S. E. B. A., Societe Anonyme d'Exploitation de Brevets d'Automobiles", Glarus, Switzerland. Internal combustion engine. 2,120,012; June 7.
Anigraphic Process, Inc. (See Knaggs, Donald W., assignor.)
Anthony, David S., San Antonio, Tex. Grinding plate. 2,119,768; June 7.
Antonopulos, Christ K., Chicago, Ill. Directional signal switch. 2,119,979; June 7.
Apex Electrical Manufacturing Company, The. (See Kirby, James B., assignor.)
Armstrong Siddeley Motors Limited. (See Towns, Herbert L., assignor.)
Arnold, Edward F., Metuchen, N. J., and M. J. Callahan, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Solid-gelled oil composition and preparing same. 2,120,083; June 7.
Ash, Thomas, Jr., Los Angeles, Calif. Aerodynamic rotor. 2,120,168; June 7.
Ashley, Merwin F., et al. (See Grant, Albert E., assignor.)
Ashman, David B., Baltimore, Md. Cutting machine knife sharpener and standard protector. 2,119,769; June 7.
Associated Patents, Inc. (See De Vlieg, Charles B., assignor.)
Auburn Automobile Company. (See Snow, Herbert C., assignor.)
Austin, William, Canterbury, England. Vehicle actuated means for opening and/or closing doors and gates. 2,120,084; June 7.
Autocall Company, The. (See Harrington, James R., assignor.)
Automobile Ventilation, Inc. (See Roethel, John H., assignor.)
Aviation Manufacturing Corporation. (See Hoffman, S. K., and Wiegman, assignors.)
Babcock & Wilcox Company, The. (See Cassidy, P. B., Harter, and Kerr, assignors.)
Babcock & Wilcox Company, The. (See Hardgrove, Ralph M., assignor.)
Babcock & Wilcox Company. (See Hardgrove, R. M., Shellenberger, Heller, and Godshalk, assignors.)
Babcock & Wilcox Company, The. (See Kohler, Anthony M., assignor.)
Babcock & Wilcox Company, The. (See Sullivan, Thomas F., assignor.)
Bailey, Walter T., Philadelphia, assignor to Stokes and Smith Company, Summerdale, Philadelphia, Pa. Box machine. 2,119,980; June 7.
Baker, Gerald C., assignor to Premier-Pabst Corporation, Peoria Heights, Ill. Converting starchy raw materials used in distilling, etc. 2,119,981; June 7.
Baker Perkins Company. (See Engles, Eugene O., assignor.)
Baker-Raulang Company. (See Remde, Edward H., assignor.)
Bakelite Corporation. (See Butler, William H., assignor.)
Baldwin Company, The. (See Knoblaugh, Armand F., assignor.)
Baldwin Company, The. (See Morse, Arthur H., assignor.)
Baldwin, Reinhold. (See Abegg, Walter A., assignor.)
Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Stamped metal radiator. 2,120,085; June 7.
Baltimore, Irving S. (See Merrill, Warren C., assignor.)
Bancroft, Raymond W., assignor to Collier-Keyworth Company, Gardner, Mass. Chair base and making the same. 2,119,946; June 7.
Banfield, Thomas H., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Ash remover for underfeed stokers. 2,119,937; June 7.
Barbour Welting Company. (See Vizard, William C., assignor.)
Barnes, Charles D., Long Beach, and M. T. Flaxman, Wilmington, assignors to Union Oil Company of California, Los Angeles, Calif. Dewaxing oils. 2,119,938; June 7.
Barnes, George. (See Drexler, J., and Bencsik.)
Barney, Freeman. (See Lee, J. E., and Barney.)
Barnhart, Philip S., Westfield, assignor to Westfield River Paper Company, Inc., Russell, Mass. Paper coating. 2,119,508; June 7.
Barnhart, Philip S., Westfield, assignor to Westfield River Paper Company, Inc., Russell, Mass. Coated paper. 2,119,509; June 7.
Barrett, Edward R., Detroit, Mich., assignor to Gar Wood Industries, Inc. Hydraulic lift. 2,119,632; June 7.
Barton Corporation, The. (See Labisky, Arthur H., assignor.)
Bastian Brothers Company. (See Mitchel, Charles F., assignor.)
Bate, John, assignor to The Glacier Metal Company Limited, Alperton, England. Manufacture of bearings. 2,119,900; June 7.
Bates, Joseph D., Springfield, Mass. Ice pack. 2,120,013; June 7.

Baner, George, Leominster, Mass. Arch support. 2,119,850; June 7.

Baner, Walter C., Rockville, Md. Filtering unit for lubricant-circulating systems of internal combustion engines having overhead valves. 2,119,619; June 7.

Baughman, Samuel E., Broadwell, Ill. Material distributor or spreader. 2,120,169; June 7.

Bayless, Frank B., Oil City, Pa., assignor to Oil Well Supply Company, Dallas, Tex. Sucker rod and manufacturing the same. 2,119,698; June 7.

Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for covering heels. 2,119,840; June 7.

Beardsley & Piper Company, The. (See Piper, Walter F., assignor.)

Beckman, William O., Chicago, Ill., assignor to International Harvester Company. Final drive mechanism for crawler tractors. 2,119,770; June 7.

Beckwith, Lawton B., San Pedro, and F. S. Scott, assignors to Union Oil Company of California, Los Angeles, Calif. Producing bituminous emulsions. 2,119,732; June 7.

Beitler, Lewis E., Detroit, Mich., assignor to Kimble Glass Company, Vineland, N. J. Closure and applying the same. 2,119,901; June 7.

Bell, Milo C. (See Holmes, H. B., Blood, and Bell.)

Bell Telephone Laboratories, Incorporated. (See Curtis, Harold E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Depew, Charles, assignor.)

Bell Telephone Laboratories, Incorporated. (See Rondl, Victor L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Sterba, Ernst J., assignor.)

Bencsik, Alex. (See Drexler, J., and Bencsik.)

Bennett, Hubert D., Toledo, Ohio, assignor to Toledo Scales Manufacturing Company. Refrigerator. 2,120,014; June 7.

Bensing, Ernst, and J. Jaenicke, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Revertex Limited, London, England. Concentrating rubber latex and similar vegetable juices. 2,119,620; June 7.

Bernhardt, Rudolph, Chicago, Ill. Container and closure therefor. 2,120,170; June 7.

Berry, Earl E. (See Mathews, C. B., Adams, and Berry.)

Beyer, Alois. (See Kennedy, L., and Beyer.)

Bialy, Andrew, assignor of one-half to G. J. Yox, one-fourth to N. Bialy, and one-fourth to H. Bialy, Buffalo, N. Y. Drip guard for windows. 2,120,171; June 7.

Bialy, Helen, et al. (See Bialy, Andrew, assignor.)

Bialy, Nellie, et al. (See Bialy, Andrew, assignor.)

Biederman, Edward G., assignor to General Motors Corporation, Detroit, Mich. Air-o-matic spot welder. 2,120,141; June 7.

Bishop, Leonard J., assignor to Mechanical Handling Systems, Inc., Detroit, Mich. Conveyer. 2,120,062; June 7.

Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. System for regulating controllers. 2,120,123; June 7.

Black Rock Mfg. Company, The. (See Keller, Joseph R., assignor.)

Blakeslee, Henry J., Marlboro, assignor to The States Company, Hartford, Conn. Electrical connection block. 2,120,061; June 7.

Blau, Henry H., and K. K. Knaell, Charlerol, Pa., assignors, by mesne assignments, to Corning Glass Works, Corning, N. Y. Method and apparatus for treating glass. 2,119,947; June 7.

Blau, Henry H., and K. K. Knaell, Charlerol, Pa., assignors, by mesne assignments, to Corning Glass Works, Corning, N. Y. Tank structure and method for making glass or the like. 2,119,948; June 7.

Blau, Henry H., Corning, N. Y., and K. K. Knaell, Charlerol, Pa., assignors, by mesne assignments, to Corning Glass Works, Corning, N. Y. Treating glass. 2,119,949; June 7.

Blazek, John Y., and R. G. Anderson, Maple Heights, assignors to Lempco Products, Inc., Bedford, Ohio. Grinding machine. 2,120,198; June 7.

Blevins, Herman G., Sewickley, assignor to The National Supply Company, Pittsburgh, Pa. Joint. 2,120,062; June 7.

Blood, Henry F. (See Holmes, H. B., Blood, and Bell.)

Blood, Louis H., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Machine tool transmission and control mechanism. 2,119,902; June 7.

Bloom, Oscar T., assignor to Industrial Patents Corporation, Chicago, Ill. Consistency tester. 2,119,699; June 7.

Blosser, John E., Glens Falls, and P. Burke, South Glens Falls, assignors to Veldown Company, Inc., New York, N. Y. Sanitary napkin machine. 2,119,982; June 7.

Boardman, Harry C., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Container. 2,119,518; June 7.

Bocker, Henry J., Bronx, N. Y. Folding newspaper and sales bench. 2,119,569; June 7.

Bohme, H. Th., Aktiengesellschaft. (See Butz, Karl, assignor.)

Borden Company, The. (See McClatchie, John M., assignor.)

Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Rosin refining and polymerization simultaneously. 2,120,015; June 7.

Borg-Warner Corporation. (See Ingersoll, Roy C., assignor.)

Botts, John M., Jenkintown, Pa. Full fashioned hosiery. 2,119,663; June 7.

Bourdon, Pierre M., Paris, assignor to Michelin et Cie., Clemont-Ferrand, France. Tire. 2,120,063; June 7.

Bowen, Joseph M., West Quincy, assignor to Gillette Safety Razor Company, Boston, Mass. Protected blade. 2,119,983; June 7.

Bragg, Alfred O., Jersey City, assignor to Kuehne Chemical Company, Elizabeth, N. J. Bleaching cellulose. 2,119,519; June 7.

Braun, William F. H., Wynnewood, assignor to Pennsylvania Lawn Mower Works, Primos, Pa. Lawn mower. 2,119,874; June 7.

Braverman, Shelley, assignor to Continental Research Corporation, Flushing, N. Y. Comb. 2,119,939; June 7.

Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Dewaxing oils. 2,119,733; June 7.

Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Solvent extraction of oil. 2,120,209; June 7.

Breitenstein, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Chaser-holder for thread-cutting tools. 2,119,984; June 7.

Breitling, Ernst, Berlin-Tempelhof, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Totalizer engagement control device. 2,119,841; June 7.

Brennan, Daniel A., Chicago, Ill. Fastener. 2,119,842; June 7.

Brennan, Daniel A., Chicago, Ill. Paper fastener. 2,119,843; June 7.

Brennan, Daniel A., Chicago, Ill. Fastener. 2,119,844; June 7.

Brenner, Benjamin, et al. (See Morrell, Michael, assignor.)

Brenner, Harry, et al. (See Morrell, Michael, assignor.)

Bressi, Vincent, and N. F. Jahn, Beverly Hills, Calif. Canal and road subgrader. 2,119,664; June 7.

Briggs Manufacturing Company. (See Ball, Albert P., assignor.)

Briggs Manufacturing Company. (See Graf, Vincent J., assignor.)

Brillhart, Samuel E., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 2,119,570; June 7.

Brisson, Louis C., Neuilly-sur-Seine, and P. Marmignon, Le Pre-Saint-Gervais, assignors to Société Anonyme: Societe des Freins Hydrauliques S. de Lavaud, Paris, France. Shoe brake. 2,119,903; June 7.

Brock, Glenn C. (See Rutherford, J. T., and Brock.)

Brokering, Harry G., Dayton, Ohio. Bolt or pin and retaining member. 2,119,520; June 7.

Broughton, Arthur E., Neenah, Wis. Apparatus for securing uniform drying of the sheet in paper making machines. 2,119,771; June 7.

Brown, Hugh C. (See Short, I., and Brown.)

Brown, Lemual G., Oklahoma City, Okla. Sunshade. 2,119,803; June 7.

Brown, Raymond S., Columbus, Ind. Loose leaf binder. 2,120,086; June 7.

Brown & Sharpe Manufacturing Company. (See Miner, Irving O., assignor.)

Brown, William A., Connellsville, Pa., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Cast iron and the manufacture thereof. 2,119,521; June 7.

Brunner, Robert L., et al. (See Matula, Nicholas, assignor.)

Brunstrum, Lawrence C. (See MacLaren, F. H., and Brunstrum.)

Brunstrum, Lawrence C., Chicago, and F. H. MacLaren, Calumet City, assignors to Standard Oil Company, Chicago, Ill. Acid resistant and metal adherent compositions of matter and making same. 2,119,522; June 7.

Buchanan, Ferdinand C., assignor of one-half to A. A. Kramer, and one-half to Butler Manufacturing Company, Kansas City, Mo. Combination trailer tank and stake body. 2,119,772; June 7.

Buckley, Timothy S., Jackson Heights, N. Y. Indentifying X-ray photographs. 2,120,064; June 7.

Buckner, Ernest G., North Hollywood, Calif. Coin container and assorter. 2,119,773; June 7.

Budd Wheel Company. (See Eksergian, Carolus L., assignor.)

Bugatti, Jean, Molsheim, France. Connecting rod. 2,120,016; June 7.

Burke, Paul. (See Blosser, J. E., and Burke.)

Burnett, Charles E., and O. May, Punta Gorda, Fla. Safety device for punch boards. 2,120,172; June 7.

Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Loom. 2,120,199; June 7.

Burgess Battery Company. (See Burgess, Jackson, assignor.)

Burgess, Jackson, assignor to Burgess Battery Company, Freeport, Ill. Dispensing and display device. 2,119,700; June 7.

Butler Manufacturing Company et al. (See Buchanan, Ferdinand C., assignor.)





Butler, William H., Palisades, N. J., assignor to Bakelite Corporation, New York, N. Y. Oil compositions. 2,120,124; June 7.

Butz, Karl, assignor to H. Th. Bohme Aktiengesellschaft, Chemitz, Germany. Pyrophosphate ester bleaching agent. 2,119,523; June 7.

C. K. Manufacturing Co. (See Schmidt, William E., assignor.)

Cadenbach, Christian A., assignor to Independent Die & Supply Company, St. Louis, Mo. Die. 2,119,985; June 7.

Cadman, William. (See Knight, A. J., and Cadman.)

Calcutt, Reginald B., Chicago, Ill. Weather strip. 2,120,017; June 7.

Caldwell, Fred S., Denver, Colo. Headlight for vehicles. 2,119,734; June 7.

Callahan, Michael J. (See Arnold, E. F. and Callahan.)

Callsen, Jürgen, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Alkoxyalkyl mercury nitrogen compounds. 2,119,701; June 7.

Cameron, Allan M., Oak Park, assignor to Cameron Can Machinery Co., Chicago, Ill. Can body flanger. 2,119,666; June 7.

Cameron Can Machinery Co. (See Cameron, Allan M., assignor.)

Cameron Can Machinery Co. (See Cameron, William, assignor.)

Cameron, William, assignor to Cameron Can Machinery Co., Chicago, Ill. Work feeding apparatus. 2,119,665; June 7.

Campbell, Nicholas D., Hackensack, N. J. Tire inflating and ventilating device. 2,119,735; June 7.

Caprotti, Arturo, Milan, Italy. Variable valve lift for oscillating valve gears. 2,119,904; June 7.

Carborundum Company, The. (See Brown, William A., assignor.)

Carl, Louis, Brooklyn, N. Y. Pipe bending method and apparatus. 2,119,875; June 7.

Carle, William T. (See Fulcher, R. G., and Carle.)

Carlson, George, Bridgeport, Conn., assignor to General Electric Company. Armored conductor. 2,120,088; June 7.

Carr, Donald E., Long Beach, and M. L. Wade, Naples, assignors to Union Oil Company of California, Los Angeles, Calif. Oxidized wax and producing same. 2,119,940; June 7.

Carroll, Stewart J., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Film manufacture. 2,119,702; June 7.

Carver Cotton Gin Company. (See McLean, Robert W., assignor.)

Cassidy, Perry R., Short Hills, N. J., J. Harter, New York, N. Y., and H. H. Kerr, Westfield, assignors to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange apparatus. 2,120,125; June 7.

Caterpillar Tractor Co. (See Gustafson, Carl A., assignor.)

Caterpillar Tractor Co. (See Rosen, Carl G. A., assignor.)

Cavanaugh, Earl C., et al. (See Matula, Nicholas, assignor.)

Cave, Henry, Hartford, Conn. Safety valve. 2,119,851; June 7.

Central National Bank of Cleveland. (See Paden, W. L., and Saunders, assignors.)

Central National Bank of Cleveland. (See Wheelbarger, A. S., and Orth, assignors.)

Chain Belt Company. (See Sparling, William J., assignor.)

Chalker, Albert R., assignor, by mesne assignments, to The Standard Stoker Company, Inc. (1922), New York, N. Y. Stoker. 2,119,941; June 7.

Challenge Machinery Company, The. (See Lee, J. E., and Barney, assignors.)

Chancey, Ernest C., Detroit, Mich. Hair waving device. 2,119,774; June 7.

Char, Yew, Honolulu, Hawaii. Exploding dart. 2,119,524; June 7.

Charms Company. (See Krout, Ray W., assignor.)

Chase, Irwin, Bayonne, N. J., assignor to Electric Boat Company, Groton, Conn. Boat structure. 2,119,775; June 7.

Chemical Construction Corporation. (See Richardson, Ralph S., assignor.)

Chemische Fabrik Grünau, Landshoff & Meyer A. G. (See Wiegand, Georg, assignor.)

Cherry-Burrell Corporation. (See Wightman, Rolan J., assignor.)

Chicago Bridge & Iron Company. (See Boardman, Harry C., assignor.)

Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)

Chrysler Corporation. (See Johnson, Roy W., assignor.)

Cincinnati Milling Machine Company, The. (See Blood, Louis H., assignor.)

Cincinnati Milling Machine Company, The. (See Wright, Leigh W., assignor.)

Cincinnati Time Recorder Company, The. (See Streckfuss, Elmer G., assignor.)

Citrus Color & Supply Company. (See Holzcker, Richard, assignor.)

Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,120,210; June 7.

Clayton, Martin M., Beden, assignor to National Electric Products Corporation, Pittsburgh, Pa. Outlet duct. 2,119,776; June 7.

Clayton, Martin M., Beden, assignor to National Electric Products Corporation, Pittsburgh, Pa. Outlet duct. 2,119,777; June 7.

Clemence, Elliott I., Millburn, N. J. Electric light bulb. 2,120,087; June 7.

Cleveland Trust Company, The. (See Cooper, James J., assignor.)

Cleveland Trust Company, The. (See Moore, George L., assignor.)

Coberly, Clarence J., Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev. Governed fluid operated pump. 2,119,736; June 7.

Coberly, Clarence J., Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev. System of operating fluid-operated pumps. 2,119,737; June 7.

Cochran, Paul B., Parlin, and R. T. Hucks, South River, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing oil compositions. 2,120,089; June 7.

Cohen, Jacob, New York, N. Y. Bathing suit. 2,120,173; June 7.

Cole, Gerard M., assignor of one-half to C. H. Humes, Chicago, Ill. Power translating device. 2,120,126; June 7.

Collier-Keyworth Company. (See Bancroft, Raymond W., assignor.)

Colling, Joseph G. (See Ferrel, C., and Colling.)

Collins, Joseph L. (See Robinson, P., and Collins.)

Commander, C. C., et al. (See Holscker, Richard, assignor.)

Cone, Burtis O., assignor to Crawford Manufacturing Company, Inc., Richmond, Va. Clamping device. 2,120,018; June 7.

Conn, Wallace T., Lawrence, Mass., assignor to the Government of the United States, represented by the Secretary of Commerce. Preservative process for vegetable fibers. 2,119,525; June 7.

Continental Can Company. (See Fink, Henry A., assignor.)

Continental Can Company. (See O'Neil, James H., assignor.)

Continental Can Company. (See Punte, William F., assignor.)

Continental Can Company. (See Schneider, J. L., Flugge, and Evans, assignors.)

Continental Oil Company. (See Steiner, Waldo L., assignor.)

Continental Research Corporation. (See Braverman, Shelley, assignor.)

Coolidge, Harry, Park Falls, Wis., assignor to Fibre Making Processes, Inc., Chicago, Ill. Chip packer. 2,119,571; June 7.

Cooper, James J., Detroit, Mich., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston. 2,120,019; June 7.

Cope, Arthur C., Bryn Mawr, Pa., W. H. Hartung, Baltimore, Md., and F. S. Crossley, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. $\Delta_1$-alkenyl cyanoacetic esters and producing same. 2,119,526; June 7.

Copithorn, Walter E., Natick, Mass. Arch support. 2,119,703; June 7.

Corbin, George E., Detroit, Mich. Adjustable metal thickness scriber. 2,119,852; June 7.

Cornell, Edward S., Jr., Larchmont, assignor to American Radiator Company, New York, N. Y. Stovepipe coupling. 2,120,211; June 7.

Corning Glass Works. (See Blau, H. H., and Knaell, assignors.)

Corson, Michael G., New York, N. Y., assignor to Remington Arms Company, Inc. Shot. 2,119,876; June 7.

Coulter, Marion D., Pittsburgh, Pa., assignor to Toledo Scale Manufacturing Company. Preserving bakery products. 2,120,020; June 7.

Coulter, Marion D., Pittsburgh, Pa., assignor to Toledo Scale Manufacturing Company. Preserving bakery products. 2,120,021; June 7.

Crane Packing Company. (See Payne, Frank E., assignor.)

Crawford Manufacturing Company. (See Cone, Burtis O., assignor.)

Crawford, Wilbur F., Waco, Tex. Ventilator for truck covers. 2,119,905; June 7.

Creek Chub Bait Company. (See Davenport, Sam F., assignor.)

Creswell, Everett W., Auburn, Mass. Sparking target game. 2,119,572; June 7.

Criley, William W., Cleveland, assignor to The Ajax Manufacturing Company, Euclid, Ohio. Feeding and transfer mechanism. 2,120,022; June 7.

Crockett, William P. (See Crocket, William P., Jr., assignor.)

Crockett, William P., Jr., assignor, by mesne assignments, to W. P. Crockett, Chicago, Ill. Electrical signal switch. 2,119,778; June 7.

Crooks, Kenneth E., Williamsport, Pa. Composite floor. 2,119,804; June 7.

Crossley, Frank S. (See Cope, A. C., Hartung, and Crossley.)

Crouse-Hinds Company. (See Bissell, Carl H., assignor.)

Crowe, Orley J., assignor to Herron-Zimmers Molding Company, Detroit, Mich. Closure frame. 2,119,667; June 7.

Crysler, George P., Chicago, Ill. Arch construction. 2,119,779; June 7.

Cunningham, James D., assignor to Republic Flow Meters Company, Chicago, Ill. Recording instrument. 2,119,950; June 7.

Curtin-Howe Corporation. (See Curtin, Leo P., assignor.)

Curtin, Leo P., Cranbury, N. J., assignor to Curtin-Howe Corporation, New York, N. Y. Phosphated metal coating. 2,120,212; June 7.

Curtis, Harold E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave transmission system. 2,119,853; June 7.

Curtis, Henry O., Des Moines, Iowa. Aggregate handling apparatus. 2,119,780; June 7.

Daimler-Benz Aktiengesellschaft. (See Schwaiger, Karl, assignor.)

Dalmer, Otto, and F. von Werder, Darmstadt, Germany, assignors to Merck & Co., Inc., Rahway, N. J. Salts of cinchona alkaloids and their production. 2,119,527; June 7.

Dalmo Sales Corporation. (See Moseley, Tomlinson I., assignor.)

Darline, Harry R., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter. 2,119,845; June 7.

Davenport, Sam F., Garrett, Ind., assignor to Creek Chub Bait Company. Fly rod lure. 2,119,805; June 7.

Davis, Clarke F., Short Hills, N. J., assignor to American Cyanamid & Chemical Corporation, New York, N. Y. Two-plane slab construction. 2,120,200; June 7.

Day, Ray E., Detroit, Mich. Piston. 2,120,090; June 7.

Day, Thomas O., Baton Rouge, La., assignor to Standard Oil Development Company. Light buoy. 2,119,854; June 7.

Deal, Leroy S., Canton, Ohio, and O. F. Deal, Hulbert, Mich. Combination lock. 2,120,142; June 7.

Dean, Oman F. (See Deal, Leroy S. and O. F.)

De Bernaques, Romain, Seattle, Wash., assignor to Steiner Sales Company, Chicago, Ill. Towel dispensing apparatus. 2,120,023; June 7.

Debuch, Carl P., and E. Marksworth, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y. Rotary furnace. 2,119,528; June 7.

Deere & Company. (See Strandlund, Carl G., assignor.)

Deere & Company. (See Tuft, Miles H., assignor.)

Dempsey, Harry W., Charlotte, Mich. Abrading apparatus. 2,119,738; June 7.

Denerich, Anthony J., assignor to The Sesamee Company, Hartford, Conn. Permutation lock. 2,119,704; June 7.

De Nicholas, Frank, et al. (See Morrell, Michael, assignor.)

Densten, Ulysses G., Haddon Heights, N. J. Fogless mirror for dental and like uses. 2,120,091; June 7.

Depew, Charles, Oakland, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 2,119,855; June 7.

De Rouge, Charles R., A. M., Mercues, France, assignor to Pollapas Patents Limited, London, England. Balancing device for flying machines. 2,120,065; June 7.

Detroit Lubricator Company. (See Eggleston, L. W., and Dillman, assignors.)

Deutsche Gesellschaft für Schädlingsbekämpfung m. b. H. (See Wehrle, Theodor, assignor.)

De Vlieg, Charles B., Detroit, Mich., assignor to Associated Patents, Inc. Backlash eliminator mechanism. 2,119,706; June 7.

Dewas, Raymond, Amiens, France. Needle of weaving loom. 2,119,573; June 7.

Detex Watchclock Corporation. (See Kennedy, L., and Beyer, assignors.)

Dick, William R., New York, N. Y. Toilet ventilator. 2,119,529; June 7.

Dillman, Earnest J. (See Eggleston, L. W., and Dillman.)

Divel, Roy R., San Clemente, Calif. Closer for the lips of a corpse. 2,120,143; June 7.

Dole Valve Company, The. (See Stanwich, Joseph F., assignor.)

Donaldson Company. (See Lowther, Wilfred W., assignor.)

Doran, John H., Scotia, N. Y., assignor to General Electric Company. Clutch. 2,120,092; June 7.

Dorman, Jack R., Cincinnati, Ohio. Device for creating and delivering a cleaning foam. 2,119,906; June 7.

Dornier, Claude, Friedrichshafen-on-the-Bodensee, Germany. Rotor flying machine. 2,119,806; June 7.

Dow Chemical Company, The. (See Heath, S. B., and Landee, assignors.)

Dowling, Walter J., et al. (See Matula, Nicholas, assignor.)

Draper Corporation. (See Burdett, Horace H., assignor.)

Dremel, Albert J., Racine, Wis. Electric motor. 2,119,986; June 7.

Drexler, John, and A. Bencsik, assignors of one-third to G. Barnes, Detroit, Mich. Combination sectional box spring and mattress. 2,119,706; June 7.

Drovers Trust & Sav. Bank. (See Turner, Henry P.)

Duemler, Oliver E. (See Aderhold, J. E., Jr., and Duemler.)

Dunlap, John C., Hutchinson, Kans. Heating apparatus for liquid. 2,119,907; June 7.

Dunmore, Francis W., Washington, D. C., assignor to the Government of the United States, represented by the Secretary of Commerce. Course indicator for blind flying and landing. 2,119,530; June 7.

Dünnebier, Max, Neuwied, Germany. Process and apparatus for the manufacture of envelopes, bags, and similar articles. 2,119,951; June 7.

Du Pont, E. I., de Nemours & Company. (See Arnold E. F., and Callahan, assignors.)

Du Pont, E. I., de Nemours & Company. (See Cochran, P. B., and Hucks, assignors.)

Du Pont, E. I., de Nemours & Company. (See Dykstra, Harry B., assignor.)

Du Pont, E. I., de Nemours & Company. (See Ramsdell, Robert A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Strain, Daniel E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Williams, Roger, assignor.)

Dupré, Valentine H., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacturing composite metal. 2,119,668; June 7.

Dwight, Edmund F., Portsmouth, N. H. Cable-gripper. 2,120,066; June 7.

Dwyer, William M., assignor to W. H. Miner, Inc., Chicago, Ill. Refrigerator car door. 2,119,574; June 7.

Dykstra, Harry B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation products of acetylenic compounds. 2,119,531; June 7.

Eastman Kodak Company. (See Carroll, Stewart J., assignor.)

Eastman Kodak Company. (See Darling, Harry R., assignor.)

Eastman Kodak Company. (See Fuller, Albert B., assignor.)

Eastman Kodak Company. (See Holder, William H., assignor.)

Eastman Kodak Company. (See Koszalka, Edward, Jr., assignor.)

Eastman Kodak Company. (See Nelson, John B., assignor.)

Eastman Kodak Company. (See Riddell, William A., assignor.)

Eastman Kodak Company. (See Smith, Henry B., assignor.)

Eastman Kodak Company. (See Staud, Cyril J., assignor.)

Eastman Kodak Company. (See Talbot, Ralph H., assignor.)

Ecker, Charles, assignor of one-half to S. Marmorek, New York, N. Y. Internal combustion engine. 2,119,877; June 7.

Edmonds, Garfield J., Philadelphia, Pa. Venetian awning. 2,119,856; June 7.

Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 2,119,633; June 7.

Edwards, Thomas L., Peterborough, Ontario, Canada. Milk cooler and storage cabinet. 2,119,631; June 7.

Eggleston, Lewis W., and E. J. Dillman, assignors to Detroit Lubricator Company, Detroit, Mich. Control means. 2,120,213; June 7.

Eitzen, August D., Rockville Centre, assignor to News Projection Corporation, New York, N. Y. Stock quotation projecting machine. 2,119,532; June 7.

Ekserdjian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 2,119,669; June 7.

Electric Boat Company. (See Chase, Irwin, assignor.)

Electrical Testing Laboratories. (See Gray, Samuel McK., assignor.)

Ellis, Joseph, Columbus, Ohio. Wax modeling spatula for dental work. 2,119,908; June 7.

Ely, Charles F. (See Worrell, Guy C., assignor.)

Emmons, Herbert L., Methuen, Mass. Loom binder. 2,120,144; June 7.

Engels, Eugene O., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Oil burner. 2,119,952; June 7.

Eppensteiner, William F., Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Storage battery stripper. 2,119,858; June 7.

Eppensteiner, William F., Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Removing storage battery plates from their cases. 2,119,857; June 7.

Eppensteiner, William F., Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Storage battery stripper. 2,119,859; June 7.

Estes, Russell F., Laramie, Wyo. Typewriter keyboard. 2,120,174; June 7.

Evans, Raymond J. (See Schelder, J. L. Flugge, and Evans.)

Exel, George, Clifton, N. J. Two-cycle engine. 2,119,878; June 7.

Farley, Myron M., Portland, Oreg. Heel and arch cushion and support. 2,119,807; June 7.

Farr, Stewart M., Genesee Depot, Wis. Acidophilus product and making it. 2,119,739; June 7.

Faussett, Ernest R., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Manufacture of flared frustrums. 2,120,024; June 7.

Fecht, John B., Dubuque, Iowa. Automatic hurdle. 2,119,808; June 7.

Fehrenbach, Daniel W., assignor to Kansas City Journal-Post Company, Kansas City, Mo. Apparatus for shutting off fuel supply to a furnace or the like. 2,120,053; June 7.





Fellows, Harrison E., and B. T. Wiechers, assignors to Webster Electric Company, Racine, Wis. Fuel regulator valve for oil burners. 2,119,740; June 7.

Fernseh Aktiengesellschaft, The firm of. (See Ruska, E., and Schwartz, assignors.)

Ferrel, Charles, Chicago, and J. G. Colling, Evanston, Ill. Spark plug testing device. 2,119,634; June 7.

Ferrone, Samuel C., Altoona, Pa. Waterproof "zipper" closure. 2,119,621; June 7.

Ferry, Joseph D., Harrisburg, Pa. Material trenting and handling apparatus. 2,119,909; June 7.

Ferry, Joseph D., Harrisburg, Pa. Mechanism for coating food forms. 2,119,910; June 7.

Fibre Making Processes, Inc. (See Coolidge, Harry, assignor.)

Flishie Lead Head Nail Company. (See Upton, John M., assignor.)

Fink, Henry A., Pelham Manor, assignor to Continental Can Company, Inc., New York, N. Y. Easy opening container. 2,119,533; June 7.

Fischer, Hans, Crestwood, assignor to Lanova Corporation, New York, N. Y. Injection engine. 2,119,781; June 7.

Fischer, William H., Jersey City, N. J. Drill grinding tool. 2,119,741; June 7.

Fisk, David, Astoria, assignor to Fisk & Fisk, Inc., New York, N. Y. Combination liquid cooler and stirrer. 2,120,201; June 7.

Fisk & Fisk, Inc. (See Fisk, David, assignor.)

Fitz Gerald, Alan S., Wynnewood, assignor of one-half to Frank H. Fleer Corporation, Philadelphia, Pa. Paper registering control. 2,119,670; June 7.

Fitzgerald Manufacturing Company, The. (See Novey, W., and Trombe, assignors.)

Flakall Corporation. (See Mathews, C. B., Adams, and Berry, assignors.)

Flaxman, Marcellus T. (See Barnes, C. D., and Flaxman.)

Fleckenstein, George A., Stratford, and M. L. Waterman, Fairfield, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,120,127; June 7.

Fleer, Frank H., Corporation. (See Fitz Gerald, Alan S., assignor.)

Flugge, Sylvester L. (See Schneider, J. L., Flugge, and Evans.)

Follet, Vermont, Elmhurst, Ill., assignor to Standard Screw Company, Hartford, Conn. Lamp joint and adapter. 2,119,987; June 7.

Food Machinery Corporation. (See Mintert, H. J., and Tate, assignors.)

Food Machinery Corporation. (See Paxton, Hale, assignor.)

Food Machinery Corporation. (See Seloske, Frederick W., assignor.)

Foss, Ferdinand H. H., Chicago, Ill. Lock rod operating device. 2,120,202; June 7.

Foster Brothers Manufacturing Company. (See Foster, William B., assignor.)

Foster, Theodore W., & Bro. Co. (See Parkin, Winfred T., assignor.)

Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Spring filling construction for mattresses and cushions. 2,120,093; June 7.

Fourness, Charles A. (See Wolthuis, H., and Fourness.)

Fowler, Glenn O. (See Little, Alonzo H., assignor.)

Fox-Williams, Jack, London, England. Mechanism for opening and closing hinged windows and the like. 2,119,911; June 7.

Francis, Lynn M., Birmingham, assignor to Mechanical Handling Systems, Inc., Detroit, Mich. Vehicle body. 2,119,671; June 7.

Freber, Elmer C., assignor of one-half to J. L. Wille, St. Louis, Mo. Roller grip wrench. 2,119,622; June 7.

Freydberg, Ralph M., New York, assignor to Acme Backing Corporation, Brooklyn, N. Y. Thermoplastic adhesive and laminated fabric comprising same. 2,120,054; June 7.

Friedman, Edward I. (See Weiner, H., and Friedman.)

Friedman, Louis. (See Miller, J. S., and Waller, assignors.)

Fritz, Otto A., Melrose, Mass. Power unit. 2,120,175; June 7.

Fulcher, Mary B. (See Fulcher, R. G., and Carle, assignors.)

Fulcher, Roy G., and W. T. Carle, assignors to M. B. Fulcher, Chicago, Ill. Controlling the starting of internal combustion engines. 2,119,672; June 7.

Fuller, Albert B., assignor to Eastman Kodak Company, Rochester, N. Y. Control device for a photographic apparatus. 2,119,846; June 7.

Fullman, James M. G., Sewickley, Pa., assignor to National Electric Products Corporation. Electrical cover attachment. 2,119,782; June 7.

Funderburk, Otis C., Weston, Mass. Intake manifold system for internal combustion engines. 2,119,707; June 7.

Fuselier, Julius D., Port Arthur, Tex. Tongue depressor dispenser. 2,119,912; June 7.

Gallsworthy, Benjamin, Glenham, assignor to The Texas Company, New York, N. Y. Radiator cleaning composition. 2,120,128; June 7.

Gar-Wood Industries, Inc. (See Barret, Edward R., assignor.)

Gar-Wood Industries, Inc. (See Stout, William B., assignor.)

Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Foot construction in full-fashioned hosiery. 2,119,575; June 7.

Gates, George W. (See Martel, Adelard F., assignor.)

Gates, Harley N. (See Tasker, Robert A., assignor.)

Gaylor, Peter J. (See Wiezevich, P. J., and Vesterdal.)

Gehrke, Max. (See Schoeller, W., Serini, Gehrke, Priewe, Strassberger, and Logemann.)

Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)

Gemmer Manufacturing Company. (See Pulleyblank, Harper E., assignor.)

General Aniline Works, Inc. (See Kracker, H., and Herrlein, assignors.)

General Aniline Works, Inc. (See Seidenfaden, W., and Thomae, assignors.)

General Electric Company. (See Carlson, George, assignor.)

General Electric Company. (See Doran, John H., assignor.)

General Electric Company. (See Herskind, Carl C., assignor.)

General Electric Company. (See Linde, Leonard J., assignor.)

General Electric Company. (See Lyman, Harold T., assignor.)

General Electric Company. (See Merrill, Frank W., assignor.)

General Electric Company. (See Vouch, S. J., and McNairy, assignors.)

General Electric Company. (See Wardwell, George W., Jr., assignor.)

General Electric Company. (See Wiegand, Kurt, assignor.)

General Motors Corporation. (See Biederman, Edward G., assignor.)

General Motors Corporation. (See Fausset, Ernest R., assignor.)

General Motors Corporation. (See Geyer, Harvey D., assignor.)

General Motors Corporation. (See Newill, Edward B., assignor.)

General Motors Corporation. (See Pearce, George C., assignor.)

General Slicing Machine Co. of New York, Inc. (See Weiner, H., and Friedman, assignors.)

Geometric Tool Company, The. (See Breitenstein, Albert F., assignor.)

Gerber, Lee, Ketchikan, Alaska. Valve. 2,119,534; June 7.

Gerrard, William, Timperley, and W. Harris, Altrincham, assignors to Linotype and Machinery Limited, London, England. Apparatus for cooling curved stereotype printing plates. 2,120,176; June 7.

Gessner, David, Worcester, Mass. Fulling and washing machine. 2,120,025; June 7.

Geyer, Harvey D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Freezing tray. 2,120,026; June 7.

Gielow, Elmer F., Kohler, Wis. Loaf-forming machine. 2,119,673; June 7.

Gill, Edward H., assignor to A. A. Kramer, Kansas City, Mo. Combination tank and package delivery body. 2,119,742; June 7.

Gillette Safety Razor Company. (See Bowen, Joseph M., assignor.)

Gillette Safety Razor Company. (See Muros, Joseph, assignor.)

Gillette Safety Razor Company. (See Testi, Nicholas, assignor.)

Glacier Metal Company Limited, The. (See Bate, John, assignor.)

Godshalk, Russell L. (See Hardgrove, R. M., Shellenberger, Heller, and Godshalk.)

Goff, William F., Akron, Ohio. Tire valve. 2,119,623; June 7.

Goldstine, Hallan E., Port Jefferson Station, N. Y., assignor to Radio Corporation of America. Indicating dial. 2,119,576; June 7.

Goodrich, B. F. Company, The. (See Schanz, George H., assignor.)

Goodwillie, Clarence J. (See Sowney, George E., assignor.)

Government of The United States, represented by the Secretary of Commerce. (See Conn, Wallace T., assignor.)

Government of the United States of America, represented by the Secretary of War. (See Peterson, Ben L., assignor.)

Government of the United States as represented by the Secretary of the Interior. (See Shelton, Stephen M., assignor.)

Government of The United States, represented by the Secretary of Commerce. (See Dunmore, Francis W., assignor.)

Grace, Richard W., assignor to The Superior Switchboard & Devices Company, Canton, Ohio. Meter closure. 2,120,145; June 7.

Graf, Vincent J., assignor to Briggs Manufacturing Company, Detroit, Mich. Apparatus for making sinks. 2,120,094; June 7.

Grant, Albert E., assignor of nine-twentieths to B. P. Kerfoot and two-twentieths to M. F. Ashley, both of New York, N. Y. Electric plug. 2,119,809; June 7.

Grant, Albert E., New York, N. Y. Electric plug. 2,119,810; June 7.

Gray, Edward, assignor of one-half to G. Wood, Detroit, Mich. Locomotive body. 2,119,535; June 7.

Gray, John E., and W. M. Parker, assignors to Mueller Brass Co., Port Huron, Mich. Fitting and the manufacture thereof. 2,120,067; June 7.

Gray, Samuel McK., Yonkers, assignor to Electrical Testing Laboratories, New York, N. Y. Strain gauge for and method of measuring strains in glass. 2,119,577; June 7.

Green, Mason V., assignor to F. D. Hayes, Lansing, Mich., trustee for F. D. Hayes Electric Company. Resilient induction magnet. 2,119,811; June 7.

Green, Samuel G., Gray, Ga. Trigger for machine guns. 2,119,536; June 7.

Greenleaf, John W., Hamden, Conn., assignor to Rock-bestos Products Corporation. Insulated electrical cable. 2,120,095; June 7.

Gregoire, Horace W., Newtonville, assignor to O. W. Wilkstrom, Newton, Mass. Paper box making apparatus and method. 2,120,214; June 7.

Greulich, Gerald G., Mount Lebanon, (Pittsburgh), Pa. Structural member. 2,119,708; June 7.

Griffith, Edward M., Albany, N. Y. Protective device for vehicle windows. 2,119,635; June 7.

Griscom-Russell Company, The. (See Price, Joseph, assignor.)

Griswold, Frederick C., Port Jefferson, N. Y. Fishline reel. 2,120,068; June 7.

Griswold, Frederick C., Port Jefferson, N. Y. Fishline reel. 2,120,069; June 7.

Grube, Karl, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Coiling device. 2,119,847; June 7.

Gruen Watch Company, The. (See Kats, Benjamin S., assignor.)

Grün, Adolf, Basel, Switzerland, assignor to American Hyalsol Corporation, Wilmington, Del. Production of glycols and their esters from fatty acids. 2,119,674; June 7.

Gundrey, Harley J., Warren, Ill. Rotary swing or roundabout. 2,119,988; June 7.

Gustafson, Carl A., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Lagging. 2,119,578; June 7.

Gustin, Daniel S., Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Sodium lamp. 2,119,675; June 7.

Guthrie, Robert G. (See Wittmann, Robert A., assignor.)

Hagman, Harry C., and A. S. T. Lagaard, Minneapolis, Minn. Dental articulator. 2,119,579; June 7.

Halpin, George H., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Container for and dispenser of ribbon-like material. 2,119,537; June 7.

Halvorsen, Elmer W., and A. C. Nigro, assignors to The Torrington Manufacturing Company, Torrington, Conn. Spring winding machine. 2,120,146; June 7.

Hampton, William H., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Transporting asphalts and the like. 2,119,538; June 7.

Hamren, Eric O., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,119,812; June 7.

Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,119,814; June 7.

Handman, Maurice, assignor to A. Weiner, Providence, R. I. Brooch assemblage. 2,120,215; June 7.

Handman, Maurice, assignor to A. Weiner, Providence, R. I. Brooch assemblage. 2,120,216; June 7.

Hardgrove, Ralph M., Westfield, assignor to The Babcock & Wilcox Company, Newark, N. J. Fuel burner. 2,119,580; June 7.

Hardgrove, Ralph M., Westfield, assignor to The Babcock & Wilcox Company, Newark, N. J. Furnace. 2,119,624; June 7.

Hardgrove, Ralph M., and R. Shellenberger, Westfield, N. J., L. W. Heller, New York, N. Y., and R. L. Godshalk, Akron, Ohio, assignors to The Babcock & Wilcox Company, Newark, N. J. Furnace. 2,120,129; June 7.

Harrah, Philip J. and C. P., Bloomfield, Ind. Door check. 2,119,743; June 7.

Harrah, Chester P. (See Harrah, Philip J. and C. P.)

Harrington, James R., Mansfield, assignor, by mesne assignments, to The Autocall Company, Shelby, Ohio. Flow and pressure responsive indicator. 2,119,783; June 7.

Harrington, James B., Dorchester, assignor to The Waverly Heating Supply Co., Boston, Mass. Oil burner. 2,120,130; June 7.

Harris, Benjamin R., Chicago, Ill. Ore flotation. 2,120,217; June 7.

Harris, Morton, assignor, by mesne assignments, to Theodore Swann, Birmingham, Ala. Making crystalline menthol. 2,120,131; June 7.

Harris, Walter. (See Gerrard, W., and Harris.)

Hart, Richard H., New Orleans, La. Parachute. 2,120,177; June 7.

Harter, Isaac. (See Cassidy, P. R., Harter, and Kerr.)

Hartung, Walter H. (See Cope, A. C., Hartung, and Crossley.)

Hasuo, Masaichi, Toyono-gun, Osaka-fu, assignor to Nippon Kanagu Kabushiki Kwaisha, Osaka, Japan. Safety apparatus of a door closer. 2,119,625; June 7.

Hauser, Max. (See Steinbiss, Carl H., assignor.)

Hausman, Ward B., Philadelphia, Pa. Knife sharpening machine. 2,120,096; June 7.

Hausrath, Herbert, Karlsruhe, Germany. Electromagnet device. 2,120,178; June 7.

Hawk, Henry W. N., Oaklyn, N. J., assignor to Radio Corporation of America. Quarts piesoelectric element. 2,119,848; June 7.

Hawkins, Robert R., Tulsa, Okla., assignor to The Texas Company, New York, N. Y. Method and apparatus for cleaning wells. 2,120,132; Jan. 7.

Hayes, F. D., Electric Company. (See Green, Mason V., assignor.)

Hayes, Frank D. (See Green, Mason V., assignor.)

Hazel-Atlas Glass Company. (See Williams, John J., assignor.)

Hearth, Sheldon B., and F. A. Landee, assignors to The Dow Chemical Company, Midland, Mich. Iodine recovery. 2,120,218; June 7.

Heckert, Guy L., Millersburg, Pa. Bathtub safety device. 2,120,179; June 7.

Heller, Lewis W. (See Hardgrove, R. M., Shellenberger, Heller, and Godshalk.)

Heller, Richard D., Boise, Idaho. Trommel. 2,119,676; June 7.

Henderson, Albert, assignor to W. P. Witherow, Pittsburgh, Pa. Expanded cement process. 2,119,860; June 7.

Henn, Ralph F., Geneva, Ohio. Display mounting for mops. 2,119,709; June 7.

Hercules Powder Company. (See Borglin, Joseph N., assignor.)

Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Flier for spinning machines. 2,119,582; June 7.

Herr Manufacturing Company. (See Herr, Harvey E., assignor.)

Herrlein, Frits. (See Kracker, H., and Herrlein.)

Herron-Zimmers Molding Company. (See Crowe, Orley J., assignor.)

Hershind, Carl C., Scotia, N. Y., assignor to General Electric Company. Electric valve converting system. 2,120,097; June 7.

Hessenbruch, Hermann M., Wynnewood, assignor to Philadelphia Lawn Mower and Mfg. Co., Philadelphia, Pa. Trimming machine. 2,119,942; June 7.

Heyman, Sam, assignor to Aerovox Corporation, Brooklyn, N. Y. Electrical condenser. 2,119,744; June 7.

Higgins, Ray, Wadsworth, Ohio. Metal coating for ceramic bodies. 2,119,989; June 7.

Hilton, John L., Chelmsford, England, assignor to Norma-Hoffman Bearings Corporation, Stamford, Conn. Ball and roller bearing. 2,119,990; June 7.

Hoague-Sprague Corporation. (See Knowlton, Cutler D., assignor.)

Hobson, Sidney. (See Smith, Morton, assignor.)

Hoffman Beverage Company. (See Schmutzer, Charles, assignor.)

Hoffman, Morris J., Chicago, Ill. Printing mechanism. 2,119,539; June 7.

Hoffman, Samuel K., and C. H. Wiegman, Williamsport, Pa., assignors, by mesne assignments, to Aviation Manufacturing Corporation, Chicago, Ill. Fuel injector for internal combustion engines. 2,119,879; June 7.

Holder, William H., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Rack and clamp for enlargers. 2,119,710; June 7.

Hollaway, Roy, Alta Loma, Calif. Direction signal. 2,119,626; June 7.

Holmes, Harlan B., and H. F. Blood, Portland, Oreg., and M. C. Bell, Seattle, Wash., assignors to United States of America as represented by the Secretary of War. Method and apparatus for transferring migratory fish over a dam structure. 2,119,540; June 7.

Holmes, T. J., Company. (See Lohse, Frederick W., assignor.)

Holst, Gilles, and H. L. van der Horst, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Cathode for discharge tubes. 2,119,913; June 7.

Holscher, Richard, Lake Wales, assignor to Citrus Color & Supply Company, Tampa, Fla. Apparatus for the skin treatment of citrus fruit. 2,119,914; June 7.

Holscher, Richard, Lake Wales, assignor of one-third to C. C. Commander, Tampa, and one-third to I. A. Yarnell, Lake Wales, Fla. Bonding citrus frut skin coloring. 2,119,915; June 7.

Hood, Delaware J., and J. H. Winterburg, Philadelphia, assignors to Phoebe Phillips Prime, Paoli, Pa. Reducing solution for the deposition of metallic films. 2,120,203; June 7.

Horton, Erwin C., Hamburg, H. Hueber, and R. E. Rousseau, assignors to Trico Products Corporation of Buffalo, N. Y. Motor vehicle accessory system. 2,119,510; June 7.





Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Fuel pump for motor vehicles. 2,119,880; June 7.

Hosiery Developments Limited. (See Jones, T. H., and Mills, assignors.)

Huber, Dudley A., Calico Rock, Ark. Curtain tie-back design holder. 2,119,815; June 7.

Hucks, Robert T. (See Cochran, P. B., and Hucks.)

Hueber, Henry. (See Horton, E. C., Hueber, and Rousseau.)

Huellebrand, Andrew J., Nashville, Tenn., assignor to Swank Products, Inc. Collar adjusting device. 2,120,070; June 7.

Hug, Christian J., Highland, Ill. Truck wheel. 2,120,098; June 7.

Humes, Charles H. (See Cole, Gerald M., assignor.)

Hungrige, Edward, Wilmington, Del. Tent base. 2,120,180; June 7.

Hunt, J. Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,119,991; June 7.

Huse, Ingebrigt E. P., Haroy, near Molde, Norway. Revolving drying oven. 2,119,916; June 7.

I. G. Farbenindustrie Aktiengesellschaft. (See Schierenbeck, Julius, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See van Zütphen, Ludwig, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Zorn, H., Vogel, and Wolter.)

Iams, Harley A., Berkeley Heights, N. J., assignor to Radio Corporation of America. Mosaic screen structure. 2,120,099; June 7.

Ide, Ariel H., assignor to J. C. Ide, Troy, N. Y. Collar and cuff. 2,120,147; June 7.

Ide, Jean C. (See Ide, Ariel H., assignor.)

Iida, Koji, Itabashi-ku, Tokyo, Japan. Butterfly valve. 2,119,816; June 7.

Illgen, Hans, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Indicator device. 2,120,100; June 7.

Ilsemann, Eric M., Newark, N. J. Dispenser. 2,119,917; June 7.

Imperial Chemical Industries Limited. (See Spencer, W. D., and Walker, assignors.)

Independent Die & Supply Company. (See Cadenbach, Christian A., assignor.)

Industrial Patents Corporation. (See Bloom, Oscar T., assignor.)

Industrial Patents Corporation. (See Walter, Charles T., assignor.)

Industrial Patents Corporation. (See McKee, Harry H., assignor.)

Ingersoll, Roy C., assignor to Borg-Warner Corporation, Chicago, Ill. Ring for packaging. 2,119,745; June 7.

International Harvester Company. (See Bechman, William O., assignor.)

International Harvester Company. (See Johnston, Edward A., assignor.)

Iron Fireman Manufacturing Company. (See Banfield, Thomas H., assignor.)

Jaenicke, Johannes. (See Bensing, E., and Jaenicke.)

Jahn, Nicholas F. (See Bressi, V., and Jahn.)

James, Lewis A., Independence, Kans. Washing machine. 2,119,636; June 7.

Joganic, John R., Pittsburgh, Pa. Hair curling device. 2,119,861; June 7.

Johnson, Arthur A., assignor to John I. Paulding, Inc., New Bedford, Mass. Electric light fixture. 2,119,711; June 7.

Johnson, Carl W., Glencoe, and G. M. Smith, Congress Park, Ill.; said Smith assignor to said Johnson. Automobile jack. 2,119,963; June 7.

Johnson, Elmer G., Hibbing, Minn. Cigarette extinguisher. 2,120,027; June 7.

Johnson, Roy W., Wyoming, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Reflector device. 2,119,992; June 7.

Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Liquid sterilising device. 2,119,784; June 7.

Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Track type tractor. 2,119,785; June 7.

Jones, Thomas H., Woodthorpe, and R. K. Mills, Sherwood, assignors to Hosiery Developments Limited, Nottingham, England. Knitted fabric or garment and production thereof. 2,120,181; June 7.

Joy, Joseph F., Claremont, N. H., assignor to Sullivan Machinery Company. Furnace discharge means. 2,119,541; June 7.

Kalio, Inc. (See Verbeek, Arnold F., assignor.)

Kallam, Floyd L., Huntington Park, Calif. Volatility tester. 2,119,786; June 7.

Kallmann, Simon, Paris, France. Apparatus for producing permanent waves. 2,120,148; June 7.

Kansas City Journal-Post Company. (See Fehrenbach, Daniel W., assignor.)

Karlen, Louis W., Des Moines, Iowa. Device for fastening sheets. 2,120,149; June 7.

Kaspereit, Otto K., Philadelphia, Pa. Prism. 2,119,542; June 7.

Kaspereit, Otto K., Philadelphia, Pa. Prism. 2,119,543; June 7.

Kaspereit, Otto K., Philadelphia, Pa. Prism. 2,119,544; June 7.

Kaspereit, Otto K., Philadelphia, Pa. Prism. 2,119,545; June 7.

Katz, Benjamin S., assignor to The Gruen Watch Company, Cincinnati, Ohio. Watch display box. 2,119,787; June 7.

Keefe, Lincoln M., Springfield, Mass. Record controlled machine. 2,120,071; June 7.

Keefer, Walter L., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,119,813; June 7.

Keller, Curt, assignor to Aktiengesellschaft fuer Technische Studien, Zurich, Switzerland. High temperature gas heater. 2,119,817; June 7.

Keller, Joseph R., assignor to The Black Rock Mfg. Company, Bridgeport, Conn. Roller polishing machine. 2,119,862; June 7.

Keller, William H., Inc. (See Shaff, Ernest H., assignor.)

Kennedy, Lesley, Lake Forest, and A. Beyer, Chicago, Ill., assignors to Detex Watchclock Corporation, New York, N. Y. Watchman's recording system. 2,119,637; June 7.

Kerfoot, Branch P., et al. (See Grant, Albert E., assignor.)

Kerr, Howard J. (See Cassidy, P. R., Harter, and Kerr.)

Keystone Mfg. Co. (See Marks, Isidore, assignor.)

Kieffer, Robert S., and W. A. Schenke, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Display stand. 2,119,788; June 7.

Kimball Glass Company. (See Beitler, Lewis E., assignor.)

Kingsbury, Ellen W., Rutherford, N. J. Window shade. 2,119,583; June 7.

Kirby, James B., West Richfield, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Fabric cleansing machine. 2,119,918; June 7.

Kirschbraun, Lester, assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Apparatus and process for treating hydrocarbon oils. 2,119,818; June 7.

Klampferer, Godfried F., Dearborn, Mich. Parking brake. 2,119,638; June 7.

Kleucker, George M., St. Louis, Mo. Fluid cooling apparatus and method. 2,119,864; June 7.

Kline, Harold J., Patterson, N. Y. Detachable sailing keel for row boats and the like. 2,119,881; June 7.

Klös, Heinrich. (See Westphal, K., and Klös.)

Knaell, Kenneth K. (See Blau, H. H., and Knaell.)

Knaggs, Donald W., City Island, assignor to Anigraphic Process, Inc., New York, N. Y. Printing on nonabsorptive surfaces. 2,119,546; June 7.

Knerr, Lewis E., Portland, Oreg., assignor to United States of America, as represented by the Secretary of War. Lifting beam mechanism. 2,119,547; June 7.

Knight, Arthur J., Bickley, and H. W. Cadman, Eltham, assignors to Sovex Limited, London, England. Classifying apparatus for postal matter. 2,119,919; June 7.

Knoblaugh, Armand F., assignor to The Baldwin Company, Cincinnati, Ohio. Pick-up device for electrical musical instruments. 2,119,584; June 7.

Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Feeding apparatus. 2,119,585; June 7.

Kohler, Anthony M., New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J. Wall and arch construction. 2,120,133; June 7.

Königsmann, Herbert, Schoneberg, Berlin, Germany. Flask for dental purposes. 2,119,920; June 7.

Kossalka, Edward, Jr., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Camera shutter. 2,119,712; June 7.

Kotrbaty, Guy F., New York, N. Y. Building construction element. 2,119,586; June 7.

Kotsopoulos, William J., Los Angeles, Calif. Fountain comb. 2,119,849; June 7.

Kracker, Herbert, and F. Herrlein, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Aminotrifluoromethyl-aryl-sulphonic acids and preparing them. 2,119,882; June 7.

Kramer, Andrew A. (See Gill, Edward H., assignor.)

Kramer, Andrew A., et al. (See Buchanan, Ferdinand C., assignor.)

Krick, Peter P., assignor to American Enka Corporation, Enka, N. C. Device for verifying the speed of rotating shafts. 2,119,627; June 7.

Krout, Ray W., Paterson, assignor to Charms Company, Bloomfield, N. J. Container. 2,119,789; June 7.

Kuck, Henry G., and T. J. Abele, Peoria, Ill. Washing machine. 2,120,101; June 7.

Kuehne Chemical Company. (See Bragg, Alfred O., assignor.)

Kuhn, Wayne E., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treatment of cracked distillates. 2,120,134; June 7.

Kurelic, Josef, Philadelphia, Pa. Mechanical animal. 2,120,102; June 7.

Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Mixed alkyl-alkanoyl esters of dicarboxylic acids. 2,119,993; June 7.

Labisky, Arthur H., Barton, assignor to The Barton Corporation, West Bend, Wis. Washing machine. 2,119,677; June 7.

Lagaard, Alexander S. T. (See Hagman, H. C., and Lagaard.)

Lamb, Foster W., Tarentum, Pa. Heated vehicle windshield wiper. 2,119,587; June 7.

Lamm, Uno, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Protecting means for ionic valves. 2,119,865; June 7.

Lempco Products, Inc. (See Blazek, J. Y., and Anderson, assignors.)

Lamson & Sessions Company, The. (See Smith, Alexander M., assignor.)

Lane, Edward K., Houston, Tex. Whip stock anchor. 2,119,746; June 7.

Landee, Frank A. (See Heath, S. B., and Landee.)

Lang, George H., Boston, Mass. Laundry listing machine. 2,119,713; June 7.

Langhorst, Harry J., Larchmont, assignor to American Cyanamid & Chemical Corporation, New York, N. Y. Fumigant carrier combination. 2,120,204; June 7.

Lanova Corporation. (See Fischer, Hans, assignor.)

Lauer, Carl E., and L. V. Phillips, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Treating residual paraffinic oils. 2,120,135; June 7.

Laughery, Emma A., Chicago, Ill. Coin operated vending machine. 2,119,548; June 7.

Lee, James E., and F. Barney, assignors to The Challenge Machinery Company, Grand Haven, Mich. Printing press inking mechanism. 2,119,747; June 7.

Legler, Henry, Larchmont, assignor of fifty percent to H. P. Warwick, New Rochelle, N. Y. Storage rack for spirituous liquors. 2,119,883; June 7.

Levy, Arnold, Petersfield, assignor to Premo Rubber Company Limited, Petersfield, Hampshire, England. Toy building blocks, tiles, bricks, and the like. 2,119,921; June 7.

Levy, Isaac C., Jackson, Mich. Neckwear construction. 2,119,748; June 7.

Lewis, George L., assignor to N. R. Schiff, Cincinnati, Ohio. Sound producing device. 2,120,028; June 7.

Lewis, John D., Incorporated. (See Ross, Charles M., assignor.)

Lewy, Archie, Philadelphia, Pa. Display screen. 2,120,072; June 7.

Lilleberg, Tideman M., assignor to The Nye Tool and Machine Works, Chicago, Ill. Tube flaring device. 2,120,029; June 7.

Lily Tulip Cup Corporation. (See Reifsnyder, James D., assignor.)

Limpp, Rufus H., King City, Mo. Pneumatic flexible coupling. 2,120,182; June 7.

Linde, Leonard J., Aldan, Pa., assignor to General Electric Company. Device mounting. 2,120,103; June 7.

Lindenblad, Nils E., Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America. High voltage generator. 2,119,588; June 7.

Lindner, Walther, Munich, Germany. Shaft coupling. 2,119,678; June 7.

Linotype and Machinery Limited. (See Gerrard, W., and Harris, assignors.)

Lippold, Carl J., Wauwatosa, assignor to J. M. Nash Company, Milwaukee, Wis. Finishing and polishing machine. 2,119,964; June 7.

List, Heinrich, Berlin-Lichterfelde-Ost, Germany. Brake. 2,119,819; June 7.

Little, Alonzo H., assignor of three-fifths to G. O. Fowler, Los Angeles, Calif. Needle. 2,120,030; June 7.

Litton, Charles V., Redwood City, Calif. Vacuum-tight power transmission device. 2,119,955; June 7.

Litton, Charles V., San Mateo County, Calif. X-ray tube. 2,119,670; June 7.

Livermore, William T., Westfield, N. J. Automatic transmission control. 2,120,104; June 7.

Lochman, Emil R., Milwaukee, Wis. Combined headlight and direction indicator for vehicles, and controlling device for same. 2,119,549; June 7.

Logemann, Willy. (See Schoeller, W., Serini, Gehrke, Priewe, Strassberger, and Logemann.)

Lohse, Frederick W., Attleboro, assignor to T. J. Holmes Company, Inc., Norton, Mass. Liquid sprayer. 2,119,884; June 7.

Long, Bernard, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Manufacture of electrical resistances. 2,119,680; June 7.

Lotter, Adolph G., assignor to Stationers Loose Leaf Company, Milwaukee, Wis. Loose leaf binder. 2,119,639; June 7.

Loughridge, Matthew H., Bogota, N. J. Speed control and braking system. 2,119,550; June 7.

Love, Frank E., Oklahoma City, Okla. Merchandise mechanical sealing and recording. 2,119,994; June 7.

Löwit & Comp. (See Quittner, Heinrich, assignor.)

Lowther, Wilfred W., assignor to Donaldson Company, Inc., St. Paul, Minn. Crankcase ventilating system. 2,120,050; June 7.

Lubrication Corporation, The. (See Tear, Harry R., assignor.)

Lubri-Zol Development Corporation, The. (See Prutton, Carl F., assignor.)

Luhnow, Harold W. (See McGehee, W. L., and Luhnow.)

Lumsden, David, Sikeston, Mo. Burner wick and holder. 2,119,820; June 7.

Lundell, Alvin O., assignor to The Allbright-Nell Co., Chicago, Ill. Apparatus for use in cooling offal. 2,119,640; June 7.

Lurz, Alfred, Ravensburg, Germany. Carburetor. 2,119,922; June 7.

Luts, Charles F., Milwaukee, Wis. Door checking device. 2,119,589; June 7.

Lyman, Harold T., Milford, Conn., assignor to General Electric Company. Indicating device. 2,120,136; June 7.

MacCarthy, Florence B., assignor to A. Payne, Philadelphia, Pa. Making alumina and potassium sulphate. 2,119,551; June 7.

Macdonald, Ainslie, Winnipeg, Manitoba, Canada. Oscalsis support. 2,120,055; June 7.

MacDonald, Edwin C., Randolph, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making casts of feet. 2,119,590; June 7.

Macdonald, Eugene M., Shaker Heights, Ohio. Farebox. 2,119,592; June 7.

MacDonald, James R., and Company. (See Woods, James, assignor.)

Macintosh, Harry G., Montclair, N. J. Hat and method of preparing the same. 2,120,105; June 7.

MacLaren, Frederick H. (See Brunstrum, L. C., and MacLaren.)

MacLaren, Frederick H., Calumet City, and L. C. Brunstrum, assignors to Standard Oil Company, Chicago, Ill. Anti-rust material and plug valve lubricant. 2,119,552; June 7.

MacLaren, Frederick H., Calumet City, and L. C. Brunstrum, assignors to Standard Oil Company, Chicago, Ill. Antirust material. 2,119,553; June 7.

Magnolite Corporation. (See Rogers, Glenn A., assignor.)

Majneri, Ludwig A., Grosse Pointe, Mich. Fluid pressure control mechanism. 2,120,073; June 7.

Mancinelli, Gino, Wilmington, Del. Solder wire feeding means for soldering irons. 2,119,995; June 7.

Manley, Joseph E., St. Louis, Mo. Dish holding tray or basket. 2,119,821; June 7.

Marks, Isidore, assignor to Keystone Mfg. Co., Boston, Mass. Film reel. 2,119,943; June 7.

Marksworth, Ernst. (See Debuch, C. P., and Marksworth.)

Marmignon, Pierre. (See Brisson, L. C., and Marmignon.)

Marmorek, Simon. (See Ecker, Charles, assignor.)

Marshall, Thomas C., Fairfield, Conn. Insulating lining for electric light sockets. 2,120,150; June 7.

Martel, Adelard F., assignor of one-half to G. W. Gates, Burlingame, Calif. Traffic signal system. 2,119,593; June 7.

Marten, Raymond L., St. Louis, Mo. Sign. 2,120,100; June 7.

Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaner. 2,120,011; June 7.

Marty, Edgar O., Pottsville, Pa. Stoker and burning fuel. 2,119,554; June 7.

Marx, Louis, New York, N. Y. Toy. 2,119,641; June 7.

Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Making ligno-cellulose fiber products. 2,120,137; June 7.

Masonite Corporation. (See Mason, William H., assignor.)

Massholder, Edgar, Heidelberg, Germany. Locking device with a plurality of latches. 2,119,996; June 7.

Matthews, Clair B., H. W. Adams, and E. E. Berry, assignors to Flakall Corporation, Beloit, Wis. Producing food products. 2,120,139; June 7.

Mathey, Nicholas W., Boston, Mass. Footwear. 2,120,107; June 7.

Mattern, Raymond P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury switch. 2,119,944; June 7.

Matula, Nicholas, assignor of one-fifth to W. J. Dowling, one-fifth to R. L. Brunner, and one-fifth to E. C. Cavanaugh, Johnstown, Pa. License tag holder. 2,119,714; June 7.

Mawbey, Lawrence, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for applying pressure to shoe bottoms. 2,119,591; June 7.

Maxmoor Corporation. (See Moore, Arlington, assignor.)

May, O. (See Burnett, Charles E., assignor.)

Mayehara, Toichiro, Omori-ku, Tokyo, Japan. Manufacturing a powdered product from mucilaginous substance of eel. 2,119,822; June 7.

McCabe, Ira E., Chicago, Ill. Combined resistor and shunt switch. 2,120,056; June 7.

McClatchie, John M., Middletown, assignor to The Borden Company, New York, N. Y. Receptacle inverting mechanism. 2,119,642; June 7.

McDonnell, Francis S., Milton, Mass. Packaging paper. 2,119,956; June 7.

McElrath, Hunter B., assignor of one-half to J. J. Wright, Jr., of Winston-Salem, N. C. Lubricating device. 2,120,031; June 7.

McGehee, Wallace L., and H. W. Luhnow, Kansas City, Mo. Apparatus for manufacturing dried feed. 2,119,790; June 7.

McGowan, Michael E., Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Cementless base for incandescent lamps. 2,119,681; June 7.

McIntyre, Duncan J., Syracuse, N. Y. Cover and mounting for vents and the like. 2,119,923; June 7.

McKee, Harry H., assignor to Industrial Patents Corporation, Chicago, Ill. Treating bacon. 2,119,716; June 7.





McLean, Charles, Berkeley, Calif. Egg dehydrator. 2,119,594; June 7.

McLean, Robert W., Bridgewater, assignor to Carver Cotton Gin Company, East Bridgewater, Mass. Apparatus for liberating useful fibers. 2,120,108; June 7.

McNairy, Jacob W. (See Vouch, S. J. and McNairy.)

McNeely, James W., Monterey Park, Calif. Screening device. 2,119,595; June 7.

Mearkle, Harland O., Sharon Hill, assignor to Philadelphia Screen Mfg. Company, Philadelphia, Pa. Folding chair. 2,120,183; June 7.

Mechanical Handling Systems, Inc. (See Bishop, Leonard J., assignor.)

Mechanical Handling Systems, Inc. (See Francis, Lynn M., assignor.)

Mendl, Viktor, Prague, Czechoslovakia. Pressure-operated diffuser of toilet-liquids. 2,119,643; June 7.

Merck & Co. (See Dalmer, O., and von Werder, assignors.)

Merridale Trust Limited. (See Varley, Ernest V., assignor.)

Merrill, David R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Continuous filtration of wax bearing oils. 2,119,749; June 7.

Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Inductor dynamo electric machine. 2,120,109; June 7.

Merrill, Warren C., assignor to I. S. Baltimore, Los Angeles, Calif. Apparatus for converting dry ice into carbon dioxide gas. 2,120,057; June 7.

Mess, James, and R. Stroud, assignors to Niagara Screens & Machines Limited, Toronto, Ontario, Canada. Vibratory screen. 2,120,032; June 7.

Meyercord Compound Lumber Company. (See Meyercord, George R., assignor.)

Meyercord, George R., Chicago, Ill., assignor to Meyercord Compound Lumber Company. Method of and apparatus for drying wood veneers. 2,120,205; June 7.

Michelin et Cie. (See Bourdon, Pierre M., assignor.)

Miller, Edward L., Troy, assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y. Centrifugal extractor and centrifugal method. 2,119,644; June 7.

Miller, Helene S. (See Miller, J. S., assignor, and Waller.)

Miller, Homer D., Canton, Ohio. Aquatic toy. 2,120,151; June 7.

Miller, James S., and C. R. Waller, Trenton, N. J.; said Miller assignor to L. Friedman, Philadelphia, Pa. Method and means for use in dentistry. 2,119,823; June 7.

Miller, James S., and C. R. Waller; said Miller assignor to H. S. Miller, Trenton, N. J. Apparatus and process for use in dentistry. 2,119,824; June 7.

Miller Printing Machinery Company. (See Sinkovitz, J. and Saul, assignors.)

Milligan, Joseph H., Boston, Mass. Lock. 2,119,866; June 7.

Mills, Robert K. (See Jones, T. H., and Mills.)

Mills Novelty Company. (See Wahl, John C., assignor.)

Miner, Irving O., assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Motor control. 2,119,715; June 7.

Miner, W. H., Inc. (See Dwyer, William M., assignor.)

Minneapolis-Honeywell Regulator Company. (See Mattern, Raymond P., assignor.)

Minnesota Mining & Manufacturing Company. (See Halpin, George H., assignor.)

Mintert, Henry J., and J. B. Tate, Riverside, assignors to Food Machinery Corporation, San Jose, Calif. Box dumping machine. 2,119,596; June 7.

Mitchel, Charles F., assignor to Bastian Brothers Company, Rochester, N. Y. Name plate fastening means. 2,120,058; June 7.

Mitchell, Joseph J., Los Angeles, Calif. Fraud preventing mechanism for game apparatus. 2,119,867; June 7.

Moeller, Otto, Brooklyn, assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Stoker mechanism. 2,119,750; June 7.

Mojonnier, Oliver W., River Forest, Ill. Pipe joint or coupling. 2,120,184; June 7.

Monnahan, J. L. (See Tonkin, Albert, assignor.)

Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)

Monsanto Chemical Company. (See Nealon, Thomas F., assignor.)

Monsanto Chemical Company. (See Smith, Franklin D., assignor.)

Monsanto Chemical Company. (See Wilson, Ivan V., assignor.)

Moore, Arlington, Louisville, Ky., assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Anterior throttle cold charge carburetor. 2,119,885; June 7.

Moore Corporation, The. (See Weston, Richard S., assignor.)

Moore, Fred, assignor to The Wahl Company, Chicago, Ill. Fountain pen. 2,120,059; June 7.

Moore, Fredrick A., Great Bend, Kans. Advertising novelty. 2,119,825; June 7.

Moore, George L., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston. 2,120,033; June 7.

Morea, Frank P., Jackson Heights, assignor of one-third to E. J. Weinheim, and one-third to V. N. Morea, Flushing, N. Y. Headlight for vehicles. 2,119,597; June 7.

Morea, Victor N., et al. (See Morea, Frank P., assignor.)

Morganthaler, C. R. (See Williams, James M., assignor.)

Morrell, Michael, assignor to B. and H. Brenner, F. De Nicholas, and M. Morrell, Brooklyn, N. Y. Yarn oiler for coning machines. 2,120,110; June 7.

Morris, Paul C., Rye, N. Y. Checkbook holder. 2,119,826; June 7.

Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-Ray Company Inc. System for producing X-ray potential having predetermined wave form. 2,119,682; June 7.

Morse, Arthur H., assignor to The Baldwin Company, Cincinnati, Ohio. Piano key connection. 2,119,598; June 7.

Moseley, Tomlinson I., assignor to Dalmo Sales Corporation, San Francisco, Calif. Closure fastener. 2,120,111; June 7.

Mossberg Pressed Steel Corporation. (See Olson, R. V., and Swenson, assignors.)

Motor Wheel Corporation. (See Hunt, J Harold, assignor.)

Moyer, Howard H., assignor to Richmond Manufacturing Company, Lockport, N. Y. Increasing the separating capacity of grain separating cylinders. 2,119,997; June 7.

Mueller Brass Co. (See Gray, J. E., and Parker, assignors.)

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,119,998; June 7.

Murray-Black Company, The. (See Starrick, William H., assignor.)

Murray Corporation of America, The. (See Northrup, Amos E., assignor.)

Murray, Patrick J., Clifton Heights, assignor to Trisco Products, Inc., Philadelphia, Pa. Stocking form and support. 2,120,219; June 7.

Myers, Elman B., Montreal, Quebec, Canada. Impact crusher. 2,119,886; June 7.

Myers, Elman B., Montreal, Quebec, Canada. Apparatus for disintegrating solids. 2,119,887; June 7.

Myers, Leonard D., Washington, D. C., assignor to Safety Mining Company, Chicago, Ill. Indestructible release mechanism for blasting cartridges. 2,120,034; June 7.

N. V. Molybdenum Comp. (See Schwarzkopf, Han H., assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Holst, G., and van der Horst, assignors.)

Nachman Spring-Filled Corporation. (See Suekoff, Louis A., assignor.)

Nachman Springfilled Corporation. (See Zimmerman, Fred R., assignor.)

Nadder, Maurice, Paris, France. Welding strip. 2,119,999; June 7.

Nash, J. M., Company. (See Lippold, Carl L., assignor.)

Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)

National Broach & Machine Company. (See Praeg, Walter S., assignor.)

National Cash Register Company, The. (See Breitling, Ernst, assignor.)

National Electric Products Corporation. (See Clayton, Martin M., assignor.)

National Electric Products Corporation. (See Fullman, James M. G., assignor.)

National Electric Products Corporation. (See Clayton, Martin M., assignor.)

National Supply Company, The. (See Blevins, Herman G., assignor.)

National Television Corporation. (See Zilliger, Arno, assignor.)

Nazel, Beatrice S. (See Weyer, Henry A., assignor.)

Nealon, Thomas F., Boston, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Production of hydrocarbon resins. 2,119,957; June 7.

Nebeling, Edmund R., Woodhaven, N. Y. Detrachable shoe heel lift. 2,120,112; June 7.

Neil, Mark C., River Forest, Ill. Refractory block and structure. 2,120,000; June 7.

Nelson, John B., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Shutter construction. 2,119,717; June 7.

Nelson, Lawrence M., Los Altos, Calif. Pit burner. 2,119,827; June 7.

Nelson, Roy F., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treated fuel. 2,120,206; June 7.

Nevraumont, Louis J., Modesto, Calif. Rotary cutter. 2,119,683; June 7.

Newberger, Herman H., Chicago, Ill. Machine knitting seamless fashioned skirts. 2,120,035; June 7.

Newill, Edward B., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,119,958; June 7.

Newman, David F., Rockville Centre, N. Y., assignor to Trans-Lux Corporation. Apparatus for producing screen structures. 2,119,791; June 7.

News Projection Corporation. (See Eltzen, August D., assignor.)





Niagara Screens & Machine Limited. (See Mess, J., and





Perkins, Albert E., London, England. Binding of book-

Radio Corporation of America. (See Goldstine, Hallan E.,

Rosenberg, Kurt, Berlin, Germany, assignor, by mesne

Niagara Screens & Machine Limited. (See Mess, J., and Stroud, assignors.)
Nichols, Floyd F., David City, Nebr. Garden cultivator. 2,119,924; June 7.
Nichols, James E., Taunton, Mass. Name plate. 2,119,751; June 7.
Nigro, Arthur C. (See Halvorsen, E .W., and Nigro.)
Nippon Kanagu Kabushiki Kwaisha. (See Hasuo, Masaichi, assignor.)
Nixon, Irvin E., assignor to M. O. Scobee and himself, Houston, Tex. Foot switch. 2,119,898; June 7.
Nordenstam, Carl M., Bertrand, Nebr. Fishtrap. 2,119,826; June 7.
Nordsiek, Frederic W., assignor, by mesne assignments, to The Sanoderm Company, Inc., New York, N. Y. Milk product and manufacturing the same. 2,119,599; June 7.
Norma-Hoffman Bearings Corporation. (See Hilton, John L., assignor.)
Northup, Amos E., Pleasant Ridge, Mich., assignor to The Murray Corporation of America. Displaceable upholstery trim. 2,120,036; June 7.
Novey, William, and J. C. Tromba, assignors to The Fitzgerald Manufacturing Company, Torrington, Conn. Assembling an oil seal ring. 2,120,113; June 7.
Nye Tool and Machine Works, The. (See Lilleberg, Tideman M., assignor.)
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,120,037; June 7.
Ohio Brass Company, The. (See Borden, Harold L., assignor.)
Oil Well Supply Company. (See Bayless, Frank B., assignor.)
Oil Well Supply Company. (See Shimer, John M., assignor.)
Olson, Robert V., and W. B. Swenson, Attleboro, Mass., assignors to Moosberg Pressed Steel Corporation. Warp beam. 2,119,868; June 7.
Olympia Büromaschinen-Werke A. G. (See Salzberger, Andreas, assignor.)
O'Neil, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Metal can body. 2,120,038; June 7.
Orth, William G. (See Wheelbarger, A. S., and Orth.)
Otodex Corporation, The. (See Snead, Sam, assignor.)
Pacific Manifolding Book Company. (See Stevens, Harry, assignor.)
Packard Motor Car Company. (See Edwards, Herbert C., assignor.)
Packard Motor Car Company. (See Rossman, Peter F., assignor.)
Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
Paden, William L., and O. G. Saunders, Dayton, assignors, by mesne assignments, to Central National Bank of Cleveland, Cleveland, Ohio. Register. 2,119,684; June 7.
Pangborn Corporation. (See Hamren, Eric O., assignor.)
Pangborn Corporation. (See Keefer, Walter L., assignor.)
Paper Patents Company. (See Wolthuis, H., and Fourbesse, assignors.)
Parker, William M. (See Gray, J. E., and Parker.)
Parkersburg Rig & Reel Company, The. (See Schwemlein, William, assignor.)
Parkin, Windred T., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Razor with adjustable handle. 2,119,792; June 7.
Parsons, Claude P., Duncan, assignor to Phillips Petroleum Company, Bartlesville, Okla. Method of and composition for preventing the loss of drilling fluid in well drilling operations. 2,119,829; June 7.
Paschal, Guy, assignor, by mesne assignments, to Pleasantaire Corporation, New York, N. Y. Air conditioning machine. 2,120,208; June 7.
Patton, Hugh L., Houston, Tex. Apparatus for severing pipe. 2,120,114; June 7.
Paulding, John I., Inc. (See Johnson, Arthur A., assignor.)
Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Sealing revoluble door handles. 2,120,039; June 7.
Paxton, Hale, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Planetary brusher. 2,119,860; June 7.
Payne, Alcott. (See MacCarthy, Florence B., assignor.)
Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,119,959; June 7.
Pearson, Eric G., Roselle, N. J. Fountain pen. 2,119,645; June 7.
Pease, Bernard S., Evanston, Ill., assignor to The American Steel and Wire Company of New Jersey. Partition. 2,119,889; June 7.
Pease, Bernard S., Evanston, Ill., assignor to The American Steel and Wire Company of New Jersey. Partition. 2,119,890; June 7.
Pennsylvania Lawn Mower Works. (See Braun, William F. H., assignor.)
People of the United States, Dedicated to the free use of the. (See Webb, B. H., and Ramsdell.)
People of the United States, Dedicated to the free use of the. (See Thurber, Francis H.)
Peremi, Edmund, and L. Toth, Manhasset, N. Y. Glazing strip. 2,119,685; June 7.
Perkins, Albert E., London, England. Binding of booklets, catalogues, or the like. 2,119,511; June 7.
Peskin, Leonard C., and H. R. Rice, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Rail fastening. 2,119,512; June 7.
Peterson, Carl H., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Helical spring machine. 2,119,513; June 7.
Peterson, Ben L., Portland, Oreg., assignor to the Government of the United States of America, represented by the Secretary of War. Fish ladder assembly. 2,119,555; June 7.
Peterson, Freeman O., Warren, Pa. Telescopic sight mount. 2,119,925; June 7.
Pevere, Ernest F., Beacon, assignor to The Texas Company, New York, N. Y. Lubricating oil. 2,119,718; June 7.
Philadelphia Lawn Mower and Mfg. Co. (See Hessenbruch, Hermann H., assignor.)
Philadelphia Screen Mfg. Company. (See Mearkle, Harland O., assignor.)
Philipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,120,185; June 7.
Phillips, Charles E., Logan, W. Va. Agricultural machine. 2,120,040; June 7.
Phillips, Laurance V. (See Lauer, V. E., and Phillips.)
Phillips Petroleum Company. (See Parsons, Claude P., assignor.)
Phoenix Glass Company, The. (See Stewart, Andrew H., assignor.)
Pickett, Francis N., Westminster, London, England, assignor to United States Rubber Company, New York, N. Y. Treatment of rubber. 2,119,600; June 7.
Pidel, Frank, Yonkers, N. Y. Device for applying dye and other liquids from containers. 2,119,646; June 7.
Pier, Mathais, Heidelberg, and W. Simon, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J. Production of valuable hydrocarbons. 2,119,647; June 7.
Piper, Walter F., Oak Park, assignor to The Beardsley & Piper Company, Chicago, Ill. Apparatus for making concrete structures. 2,119,648; June 7.
Plageman, William H., Cleveland, Ohio. Package opening device. 2,119,793; June 7.
Pleasantaire Corporation. (See Paschal, Guy, assignor.)
Pollapas Patents Limited. (See de Rougé, Charles R. A. M., assignor.)
Post, Harry, Brooklyn, N. Y. Manufacture of fur coats and the product thereof. 2,120,152; June 7.
Posthumus, Klaas, Eindhoven, Netherlands, assignor to Radio Corporation of America. Amplifying arrangement comprising thermionic tubes having more than one grid. 2,119,514; June 7.
Powers, Frank T., Glen Cove, N. Y. Identifying roentgenograms. 2,120,074; June 7.
Powers, Milton A., and J. A. Wilson, Detroit, Mich, assignors, by mesne assignments, to The Timken-Detroit Axle Company. Apparatus for burning liquid fuels. 2,119,830; June 7.
Powers Regulator Company, The. (See Snediker, Morton O., assignor.)
Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Broach. 2,120,041; June 7.
Precision Dental Mfg. Co. (See Van Dorn, W. E., and Terrell, assignors.)
Premier-Pabst Corporation. (See Baker, Gerald C., assignor.)
Premier-Pabst Corporation. (See Ribble, Harry W., assignor.)
Premo Rubber Company Limited. (See Levy, Arnold, assignor.)
Preston, Edward S., Hinsdale, assignor to Chicago, Electric Manufacturing Company, Chicago, Ill. Heating appliance. 2,120,220; June 7.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Handle for heating appliances. 2,120,221; June 7.
Pribyl, Rudolph, Salt Lake City, Utah. Rinsing and wringing machine. 2,119,686; June 7.
Price, Joseph, West New Brighton, assignor to The Griscom-Russell Company, New York, N. Y. Method and apparatus for making heat exchangers. 2,119,960; June 7.
Priewe, Hans. (See Schoeller, W., Serini, Gehrke, Priewe, Strassberger, and Logemann.)
Prime, Phoebe P. (See Hood, D. J., and Winterburg, assignors.)
Procter & Gamble Company, The. (See Kieffer, R. S., and Schenke, assignors.)
Prutton, Carl F., East Cleveland, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubrication. 2,119,556; June 7.
Pulleyblank, Harper E., assignor to Gemmer Manufacturing Company, Detroit, Mich. Steering wheel switch. 2,119,752; June 7.
Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Easy opening sheet metal container. 2,120,186; June 7.
Quittner, Heinrich, assignor to The firm Löwit & Comp., Vienna, Austria. Collapsible tube container. 2,119,926; June 7.





Radio Corporation of America. (See Goldstine, Hallan E., assignor.)
Radio Corporation of America. (See Hawk, Henry W. N., assignor.)
Radio Corporation of America. (See Iams, Harley A., assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Posthumus, Klaas, assignor.)
Raisch, William, assignor to Underpinning & Foundation Co., Inc., New York, N. Y. Apparatus for treating material. 2,119,501; June 7.
Raleigh, John, Peshtigo, Wis. Apparatus for extinguishing forest fires. 2,119,962; June 7.
Ramsdell, Guy A. (See Webb, B. H., and Ramsdell.)
Ramsdell, Robert A., Syosset, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Package and method of producing same. 2,119,963; June 7.
Randel, Bo F., San Diego, Calif. Pneumatic tire. 2,119,557; June 7.
Raynor, Harry A., Wollaton Park, Nottingham, England. Knitting machine and method. 2,120,187; June 7.
Reichard, Paul E. S., Freeport, Pa. Attachment for headlights. 2,120,188; June 7.
Reichold, Ludwig, assignor to The Winsted Hardware Manufacturing Company, Winsted, Conn. Electric andiron. 2,119,964; June 7.
Reid, Frank Williams, Minn. Intake and mixing device. 2,119,927; June 7.
Reifsnyder, James D., assignor to Lily Tulip Cup Corporation, New York, N. Y. Apparatus for applying sealing material to containers. 2,119,720; June 7.
Reinemer, Rno P., Kalispell, Mont. Muff structure. 2,120,189; June 7.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Transporting equipment. 2,120,042; June 7.
Remington Arms Company. (See Corson, Michael G., assignor.)
Republic Flow Meters Company. (See Cunningham, James D., assignor.)
Revertex Limited. (See Benzing, E., and Jaenicke, assignors.)
Rexroad, Schuyler O., Camden-on-Gauley, W. Va., assignor to Scovill Manufacturing Company, Brooklyn, N. Y. Valve stem and valve. 2,119,687; June 7.
Reynolds Metals Company. (See Sunderhauf, Frederick A., assignor.)
Ribble, Harry W., assignor to Premier-Pabst Corporation, Milwaukee, Wis. Tapping apparatus. 2,120,001; June 7.
Rice, Harvey R. (See Peskin, L. C., and Rice.)
Richardson, Ralph S., Scarsdale, assignor to Chemical Construction Corporation, New York, N. Y. Preparing $NH_3$-air mixtures. 2,119,721; June 7.
Richmond Manufacturing Company. (See Moyer, Howard H., assignor.)
Rickards, Joshua B., and J. E. J. Spencer, Philadelphia, Pa. Casting reel. 2,120,190; June 7.
Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Setting shutter. 2,119,831; June 7.
Rittenhouse, A. E. Co., The. (See Rittenhouse, Arthur E. and L., assignors.)
Rittenhouse, Arthur E. and L., assignors to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y. Signal Device. 2,120,153; June 7.
Rittenhouse, Lloyd. (See Rittenhouse, Arthur E. and L.)
Roberts, Edward F., Rye, and S. Adamson, Larchmont, assignors to United States Rubber Products, Inc., New York, N. Y. Riding breeches and the like. 2,119,602; June 7.
Robinson, Preston, Williamstown, and J. L. Collins, assignors to Sprague Specialties Company, North Adams, Mass. Electrolytic device. 2,119,628; June 7.
Rockbestos Products Corporation. (See Greenleaf, John W., assignor.)
Rodman, Harold L., Baltimore, Md. Figure toy. 2,120,191; June 7.
Roethel, John H., assignor to Automobile Ventilation Inc., Detroit, Mich. Ventilating window mechanism. 2,120,115; June 7.
Rogers, Glenn A., assignor, by mesne assignments, to The Magnolite Corporation, Los Angeles, Calif. Animated sign. 2,119,558; June 7.
Roko Corporation. (See Coberly, Clarence J., assignor.)
Ronci, Victor L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,119,559; June 7.
Roosen, Rudolf, Cologne, Germany. Sound producer. 2,119,649; June 7.
Roosman, Madis, New York, N. Y. Game. 2,120,075; June 7.
Rorden, Harold L., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Rectifier and capacitor charger. 2,120,002; June 7.
Rosen, Carl G. A., Oakland, assignor to Caterpillar Tractor Co., San Leandro, Calif. Engine starting means. 2,119,704; June 7.
Rosenberg, Kurt, Berlin, Germany, assignor, by mesne assignments, to American Epok Inc., New York, N. Y. Electric arrangement for controlling electric lamps of a lamp screen. 2,119,870; June 7.
Ross, Charles M., Mansfield, Mass., assignor to John D. Lewis, Incorporated. Soluble resin. 2,120,076; June 7.
Rossmann, Peter F., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle brake. 2,119,650; June 7.
Rousseau, Raymond E. (See Horton, E. C., Hueber, and Rousseau.)
Royal Typewriter Company. (See Handley, George F., assignor.)
Rosentraub, David. (See Waeles, D. C., and Rosentraub.)
Rubel, Maurice, Chicago, Ill. Protecting device for telephone transmitters. 2,120,043; June 7.
Ruska, Ernst, and E. Schwartz, Berlin-Zehlendorf, assignors to The firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Combined electric and magnetic deflecting system for cathode ray tubes. 2,119,795; June 7.
Rutherford, John T., Berkeley, and G. C. Brock, El Cerrito, assignors to Standard Oil Company of California, San Francisco, Calif. Stabilization of siccative solutions. 2,119,753; June 7.
"S. E. B. A., Societe Anonyme d'Exploitation de Brevets d'Automobiles". (See Andreau, Jean E., assignor.)
Sacharow, Maurice H., Cleveland Heights, Ohio. Dispensing apparatus. 2,120,116; June 7.
Safety Mining Company. (See Myers, Leonard D., assignor.)
Sager, Solomon M., Hubbard Woods, Ill. Fountain pen. 2,119,796; June 7.
Salzberger, Andreas, assignor to Olympia Büromaschinen-Werke A. G., Erfurt, Germany. Noise-damping device for power-driven typewriters. 2,119,928; June 7.
Sanoderm Company, The. (See Nordsiek, Frederic W., assignor.)
Saul, August A. (See Sinkovits, J., and Saul.)
Saunders, Oliver G. (See Paden, W. L., and Saunders.)
Schanz, George H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Dusting apparatus. 2,120,003; June 7.
Schenke, Walter A. (See Kieffer, R. S., and Schenke.)
Schering-Kahlbaum, A. G. (See Schoeller, W., Serini, Gehrke, Priewe, Strassberger, and Logemann, assignors.)
Schieren beck, Julius, Heidelberg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Flanged joint of tubular conduits. 2,119,651; June 7.
Schiff, Nedra R. (See Lewis, George I., assignor.)
Schildgen, Georg, and G. Wehr, Schweinfurt, Germany. Axial thrust ball bearing. 2,120,154; June 7.
Schless, Maurice J., New York, N. Y. Display frame or the like. 2,119,832; June 7.
Schmidt, William E., Northside, assignor to C. K. Manufacturing Company, Inc., Pittsburgh, Pa. Supporting apparatus. 2,120,077; June 7.
Schmitt, Albert C., St. Nazianz, Wis. Spindle cutter. 2,119,929; June 7.
Schmutzer, Charles, Irvington, assignor to Hoffman Beverage Company, Newark, N. J. Container labeling mechanism. 2,119,653; June 7.
Schneider, Julius L., S. L. Flagg, and R. J. Evans, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Producing quick drying oil suitable for varnishes. 2,120,044; June 7.
Schoeller, Walter, Berlin-Westend, A. Serini, Berlin, M. Gehrke, Birkenwerder, near Berlin, H. Priewe, Ranggdorf (Teltow), L. Strassberger, Berlin-Wilmersdorf, and W. Logemann, Berlin-Charlottenburg, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Separation of hydroxy compounds of the cyclopentano polyhydro phenanthrene series. 2,119,515; June 7.
Schrader, Henry, Chicago, Ill. Torch. 2,120,078; June 7.
Schuster, William J., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Air cooled die-holder. 2,119,516; June 7.
Schwab, Robert H., Sacramento, Calif. Tie press. 2,119,603; June 7.
Schwaiger, Karl, Gaggenau/Baden, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Cooling arrangement for internal combustion engines. 2,120,004; June 7.
Schwartz, Erich. (See Ruska, E., and Schwartz.)
Schwarzkopf, Hans H., Reutte/Tirol, Austria, assignor to N. V. Molybdenum Comp., Amsterdam, Netherlands. Alloy. 2,119,965; June 7.
Schwemlein, William, assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Derrick structure. 2,120,224; June 7.
Scobee, M. O. (See Nixon, Irvin E., assignor.)
Scofield, Theodore J. (See Sparks, W., Scofield, and Winchell.)
Scott, Albert B., Los Angeles, Calif. Cooling system for projection machines. 2,120,005; June 7.
Scott, Frederick S. (See Beckwith, L. B., and Scott.)
Scott, Philip L., Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Atomizing valve. 2,119,966; June 7.
Scovill Manufacturing Company. (See Rexroad, Schuyler O., assignor.)

Seidenfaden, Wilhelm, and H. Thomae, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Nitrosamines. 2,119,891; June 7.

Seloske, Frederick W., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Green corn cutter. 2,119,945; June 7.

Serini, Arthur. (See Schoeller, W., Serini, Gehrke, Priewe, Strassberger, and Logemann.)

Sesamee Company, The. (See Denerich, Anthony J., assignor.)

Setzer, Albert, North Scituate, R. I. Electric storage battery. 2,119,967; June 7.

Severson, William R., Soldier, Iowa. Barber pole. 2,120,192; June 7.

Shaff, Ernest H., assignor to William H. Keller, Inc. Grand Haven, Mich. Power wrench. 2,119,968; June 7.

Sharp & Dohme, Incorporated. (See Cope, A. C., Hartung, and Crossley, assignors.)

Shaw, Louis E., East Orange, N. J., assignor to Ad Art Craft, New York, N. Y. Display device. 2,120,117; June 7.

Shellenberger, Rolfe. (See Hardgrove, R. M., Shellenberger, Heller, and Godshalk.)

Shelton, Stephen M., Reno, Nev., assignor to Government of the United States as represented by the Secretary of the Interior. Electrolytic extraction of metallic manganese. 2,119,560; June 7.

Shepherd, Ann P., Boston, Mass. Garment blocking and stretching form. 2,119,604; June 7.

Shera, John W., Oak Park, Ill. Bath curtain. 2,120,155; June 7.

Sherman, Ralston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Liquid fuel burner. 2,119,969; June 7.

Shimer, John M., assignor to Oil Well Supply Company, Dallas, Tex. Feed water heater. 2,119,652; June 7.

Short, Ira, Prospect Park, and H. C. Brown, Philadelphia, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Condenser apparatus. 2,119,688; June 7.

Signco, Inc. (See Smith, Charles A., assignor.)

Silent Glow Oil Burner Corporation, The. (See Sherman, Ralston M., assignor.)

Simon, Walter. (See Pier, M., and Simon.)

Simpson, Emory G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Vehicle seat. 2,120,156; June 7.

Sims, Olin A., Beeville, Tex. Self powered automatic water treating plant. 2,119,930; June 7.

Singer Manufacturing Company, The. (See Clayton, Andrew B., assignor.)

Singer Manufacturing Company, The. (See Fleckenstein, G. A., and Waterman, assignors.)

Sinkovits, Joseph, and A. A. Saul, assignors to Miller Printing Machinery Co., Pittsburgh, Pa. Cylinder-gripper and shoo-fly actuating mechanism. 2,119,754; June 7.

Siracusa, Sisti, Huntington Beach, Calif. Slip type releasing socket. 2,119,797; June 7.

Sivey, William F., Tecumseh, Nebr. Collapsible oven. 2,119,798; June 7.

Sivey, William F., Tecumseh, Nebr. Collapsible stove. 2,119,799; June 7.

Smith, Alexander M., Kent, assignor to The Lamson & Sessions Company, Cleveland, Ohio. Manufacture of clevises and the like. 2,120,118; June 7.

Smith, Charles A., Toledo, assignor to Signco, Inc., Perrysburg, Ohio. Sign. 2,119,931; June 7.

Smith, Franklin D., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Noncaking sodium acid sulphate. 2,119,970; June 7.

Smith, Gilbert M. (See Johnson, C. W., and Smith.)

Smith, Henry B., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Cellulose acetate-propionate composition containing a lower alkyl ricinoleate. 2,119,722; June 7.

Smith, Morton, Long Eaton, assignor to S. Hobson, Nottingham, England. Construction of machines. 2,120,194; June 7.

Smith, Russell H., Quanah, Tex. Furrow obstructing machine. 2,120,193; June 7.

Smith, William R., Portland, Oreg., assignor to American Can Company, New York, N. Y. Measuring and packaging press articles and press attachment used therein. 2,119,561; June 7.

Snead, Sam, assignor to The Otoflex Corporation, Milwaukee, Wis. Audio oscillator. 2,119,971; June 7.

Snediker, Morton O., assignor to The Powers Regulator Company, Chicago, Ill. Alarm apparatus for temperature control. 2,119,605; June 7.

Snow, Herbert C., assignor to Auburn Automobile Company, Auburn, Ind. Headlight structure. 2,119,892; June 7.

Société Anonyme Societe des Freins Hydrauliques S. de Lavaud. (See Brisson, L. C., and Marmignon, assignors.)

Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Long, Bernard, assignor.)

Soper, James F., Balclutha, New Zealand. Independent front wheel springing system for motor driven vehicles. 2,119,755; June 7.

Sovex Limited. (See Knight, A. J., and Cadman, assignors.)

Sowney, George E., assignor of one-half to C. J. Goodwillie, New York, N. Y. Wash tub and board combination. 2,120,157; June 7.

Sparks, William, T. J. Scofield, and A. B. Winchell, assignors to The Sparks-Withington Company, Jackson, Mich. Windshield cleaner motor. 2,119,696; June 7.

Sparks-Withington Company, The. (See Sparks, W., Scofield, and Winchell, assignors.)

Sparling, William J., assignor to Chain Belt Company, Milwaukee, Wis. Cast iron alloy and producing the same. 2,119,633; June 7.

Spencer, John E. J. (See Rickards, J. B., and Spencer.)

Spencer, Wilfrid D., Liverpool, and F. T. Walker, London, England, assignors to Imperial Chemical Industries Limited. Noninflammable plastic mass. 2,120,222; June 7.

Sprague Specialties Company. (See Robinson, P., and Collins, assignors.)

Stam, Martinus J., The Hague, Netherlands. Manufacture of rubber dust. 2,119,932; June 7.

Standard-I. G. Company. (See Pier, M., and Simon, assignors.)

Standard Oil Company. (See Brunstrum, L. C., and MacLaren, assignors.)

Standard Oil Company. (See MacLaren, F. H., and Brunstrum, assignors.)

Standard Oil Company of California. (See Hampton, William H., assignor.)

Standard Oil Company of California. (See Rutherford, J. T., and Brock, assignors.)

Standard Oil Development Company. (See Day, Thomas O., assignor.)

Standard Oil Development Company. (See Wiesevich, P. J., and Vesterdal, assignors.)

Standard Oil Development Company. (See Whiteley, James M., assignor.)

Standard Screw Company. (See Follet, Vermont, assignor.)

Standard Stoker Company (1922). (See Chalker, Albert R., assignor.)

Standard Stoker Company, The. (See Moeller, Otto, assignor.)

Stanwich, Joseph F., assignor to The Dole Valve Company, Chicago, Ill. Air valve. 2,119,723; June 7.

Stark, Joseph W., New York, N. Y. Tubular woven fabric. 2,119,893; June 7.

Starrick, William H., assignor to The Murray-Black Company, Springfield, Ohio. Extensible work supporting structure. 2,120,158; June 7.

States Company, The. (See Blakeslee, Henry J., assignor.)

Stationers Loose Leaf Company. (See Lotter, Adolph, assignor.)

Staud, Cyril J., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Reduction of contrast of photographic emulsions. 2,119,724; June 7.

Stauffer, Earl C., Lancaster, Pa. Domestic heating boiler. 2,119,606; June 7.

Stecher, Charles, deceased, E. M. Stecher, executrix, assignor, by mesne assignments, of one-half to The Charles Stecher Co., and one-half to S. L. Winslow, Chicago, Ill. Machine for unloading bottles from crates. 2,119,725; June 7.

Stecher, Charles, Co., The. (See Stecher, Charles, assignor.)

Stecher, Emily M., executrix. (See Stecher, Charles.)

Steinbiss, Carl H., assignor to M. Hauser, Milwaukee, Wis. Juice extractor. 2,119,972; June 7.

Steiner Sales Company. (See De Bersaques, Romain, assignor.)

Steiner, Waldo L., assignor to Continental Oil Company, Ponca City, Okla. Stabilized lubricating oil. 2,120,119; June 7.

Sterbe, Ernest J., Asbury Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio communicating system. 2,119,607; June 7.

Stevens, Harry, Oakland, Calif., assignor, by mesne assignments, to Pacific Manifolding Book Company, Inc. Manifolding packet. 2,120,159; June 7.

Stevens, Harry, Oakland, Calif, assignor, by mesne assignments, to Pacific Manifolding Book Company, Inc. Manifolding packet. 2,120,160; June 7.

Stevens, Harry, Oakland, Calif., assignor, by mesne assignments, to Pacific Manifolding Book Company, Inc. Unitary manifolding assembly. 2,120,161; June 7.

Stevens, Harry, Oakland, Calif., assignor, by mesne assignments, to Pacific Manifolding Book Company, Inc. Manifolding assembly. 2,120,162; June 7.

Stevens, Harry, Oakland, Calif., assignor, by mesne assignments, to Pacific Manifolding Book Company, Inc. Manifolding device. 2,120,163; June 7.

Stewart, Andrew H., Shields, assignor to The Phoenix Glass Company, Monaca, Pa. Coated glassware. 2,119,608; June 7.

Stewart, Charles P. (See Tretheway, Frederick C., assignor.)

Stickle, Fredrick A., assignor to Stickle Steam Specialties Company, Indianapolis, Ind. Automatic steam control for paper machines. 2,120,079; June 7.

Stickle Steam Specialties Company. (See Stickle, Fredrick A., assignor.)

Stiles, Percy E., Beloit, Wis. Wall case. 2,119,609; June 7.

Stokes and Smith Company. (See Bailey, Walter T., assignor.)





Stokes, George, assignor of one-half to C. H. Adams, Long Beach, Calif. Time switch mechanism. 2,119,933; June 7.

Stone, Porter E., Detroit, Mich. Rear view mirror. 2,119,654; June 7.

Stout, William B., Detroit, Mich., assignor to Gar Wood Industries, Inc. Bus body construction. 2,119,655; June 7.

Strain, Daniel E., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Molding organic compounds. 2,120,006; June 7.

Strand, August A., Malden, Mass. Primary control. 2,119,894; June 7.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 2,119,756; June 7.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Clutch. 2,119,757; June 7.

Strassberger, Lothar. (See Schoeller, W., Serini, Gehrke, Priewe, Strassberger, and Logemann.)

Streckfuss, Elmer C., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Slicing machine. 2,120,164; June 7.

Strelka, Leo, Maywood, Ill. Combined distillator and carbonizer. 2,119,973; June 7.

Stroud, Robert. (See Mass, J., and Stroud.)

Suekoff, Louis A., deceased, Wilmette, P. G. Suekoff, administratrix, assignor to Nachman Spring-Filled Corporation, Chicago, Ill. Seat construction for motor vehicles and the like. 2,119,758; June 7.

Suekoff, Pauline C., administratrix. (See Suekoff, Louis A.)

Sullivan Machinery Company. (See Joy, Joseph F., assignor.)

Sullivan, Thomas F., Chicago, Ill., assignor to The Babcock & Wilcox Company, Newark, N. J. Combination fuel burner. 2,119,581; June 7.

Sumner, Frank. (See Sumner, William and F.)

Sumner, William, and F., Liverpool, England. Apparatus for packeting small quantities of granular or pulverulent material. 2,119,726; June 7.

Sunderhauf, Frederick A., Rutherford, N. J., assignor to Reynolds Metals Company, New York, N. Y. Illuminated display device. 2,119,689; June 7.

Sunnen, Joseph, Kirkwood, Mo. Bearing reamer. 2,120,080; June 7.

Super Diesel Tractor Corporation. (See Scott, Philip L., assignor.)

Superior Switchboard & Devices Company, The. (See Grace, Richard W., assignor.)

Sutton, Eunice S., Brooklyn, N. Y. Washcloth. 2,119,895; June 7.

Swank Products, Inc. (See Huellebrand, Andrew J., assignor.)

Swann, Theodore. (See Harris, Morton, assignor.)

Swenson, William B. (See Olson, R. V., and Swenson.)

Taddonio, Joseph, East Boston, Mass. Display apparatus. 2,119,562; June 7.

Talbot, Ralph H., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Manufacture of resin films. 2,119,727; June 7.

Tasker, Robert A., Fulton, assignor of one-third to H. N. Gates, Syracuse, N. Y. Diapering garment. 2,119,610; June 7.

Tate, John B. (See Mintert, H. J., and Tate.)

Tear, Harry R., Evanston, assignor to The Lubrication Corporation, Chicago, Ill. Cartridge for lubricants and other materials. 2,120,007; June 7.

Tear, Harry R., Evanston, assignor to The Lubrication Corporation, Chicago, Ill. Dispenser. 2,120,008; June 7.

Tebo, David A., Lawrence, Mass., assignor to U S Bobbin & Shuttle Company, Manchester, N. H. Yarn tension. 2,119,611; June 7.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Voigt, Willi, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Wilhelm, Karl, assignor.)

Temstedt Manufacturing Company. (See Simpson, Emory G., assignor.)

Terrell, Wilfrid H. (See Van Dorn, W. E., and Terrell.)

Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,120,009; June 7.

Texas Company, The. (See Gallsworthy, Benjamin, assignor.)

Texas Company, The. (See Hawkins, Robert R., assignor.)

Texas Company, The. (See Kuhn, Wayne E., assignor.)

Texas Company, The. (See Lauer, C. E., and Phillips, assignors.)

Texas Company, The. (See Nelson, Roy F., assignor.)

Texas Company, The. (See Pevere, Ernest F., assignor.)

Textile Machine Works. (See Gastrich, Gustav, assignor.)

Thaler, Wilhelm, Heidenheim-on-the-Brenz, Germany, assignor to American Volth Contact Co., Inc., New York, N. Y. Control and regulator means for actuating mechanisms. 2,120,010; June 7.

Tholl, John F., Needham, assignor to American Tool & Machine Co., Hyde Park, Boston, Mass. Centrifugal separator. 2,120,130; June 7.

Thomae, Hans. (See Seidenfaden, W., and Thomae.)

Thompson, Albert, Collinston, La. Draft appliance. 2,119,834; June 7.

Thurber, Francis H., Arlington, Va., dedicated to the free use of the People of the United States. Form of storage for sweet potatoes and other vegetable crops for industrial utilization. 2,119,612; June 7.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,119,656; June 7.

Tierney, Robert D., Rochester, N. Y. Combined water heater and incinerator. 2,120,165; June 7.

Timken-Detroit Axle Company, The. (See Powers, M. A., and Wilson, assignors.)

Toledo Scale Manufacturing Company. (See Bennett, Hubert D., assignor.)

Toledo Scale Manufacturing Company. (See Coulter, Marion D., assignor.)

Tonkin, Albert, Cloquet, assignor of two-thirds to J. L. Monnahan, Minneapolis, Minn. Air conditioner. 2,120,166; June 7.

Torrington Manufacturing Company, The. (See Halvorsen, E. W., and Nigro, assignors.)

Torstenson, Elmer L., Chicago, Ill. Facing for building constructions. 2,119,690; June 7.

Toth, Louis. (See Perenti, E., and Toth.)

Towns, Herbert L., assignor to Armstrong Siddeley Motors Limited, Coventry, England. Air-cooled internal-combustion engine. 2,120,045; June 7.

Tranin, Samuel, Kansas City, Mo. Treating liquid egg whites. 2,119,657; June 7.

Trans-Lux Corporation. (See Newman, David F., assignor.)

Tretheway, Frederick C., Wilkes-Barre, assignor of one-fourth to C. P. Stewart, Forty Fort, Pa. Stoker. 2,120,046; June 7.

Trico Products Corporation. (See Horton, Erwin C., assignor.)

Trico Products Corporation. (See Horton, E. C., Hueber, and Rousseau, assignors.)

Trisco Products, Inc. (See Murray, Patrick J., assignor.)

Tromba, John C. (See Novey, W., and Tromba.)

Trusslow, James L., assignor to Whitin Machine Works, Whitinsville, Mass. Guiding device for long draft aprons. 2,119,658; June 7.

Tuft, Miles H., assignor to Deere & Company, Moline, Ill. Blade adjustment mechanism. 2,119,835; June 7.

Tull, Roy H., Long Beach, Calif. Telescoping extension for trucks and trailers. 2,119,800; June 7.

Tully, Richard G., Wauwatosa, assignor to Walker Manufacturing Company, Racine, Wis. Rear axle block for automobile lifts. 2,120,051; June 7.

Turcotte, John E., Worcester, Mass. Double production twister or spinning frame. 2,119,728; June 7.

Turner, Henry P., deceased, Chicago, Ill., Drovers Trust & Sav. Bank, executor. Can cover and fastening means therefor. 2,120,047; June 7.

Turner, Jacob L., Milton, Mass. Electric float control. 2,120,048; June 7.

Underpinning & Foundation Co. (See Raisch, William, assignor.)

Union Oil Company of California. (See Barnes, C. D., and Flaxman, assignors.)

Union Oil Company of California. (See Beckwith, L. B., and Scott, assignors.)

Union Oil Company of California. (See Bray, Ulric B., assignor.)

Union Oil Company of California. (See Carr, D. E., and Wade, assignors.)

Union Oil Company of California. (See Merrill, David R., assignor.)

Union Oil Company of California. (See Wallin, Kenneth L., assignor.)

Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)

United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)

United Shoe Machinery Corporation. (See MacDonald, Edwin C., assignor.)

United Shoe Machinery Corporation. (See Wawbey, Lawrence, assignor.)

United Shoe Machinery Corporation. (See Whelton, John M., assignor.)

United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)

U S Bobbin & Shuttle Company. (See Tebo, David A., assignor.)

United States of America as represented by the Secretary of War. (See Holmes, H. B., Blood, and Bell, assignors.)

United States of America as represented by the Secretary of War. (See Knerr, Lewis E., assignor.)

United States Rubber Products, Inc. (See Pickett, Francis N., assignor.)

United States Rubber Products, Inc. (See Roberts, E. F., and Adamson, assignors.)

Universal Oil Products Company. (See Kirschbraun, Lester, assignor.)

Upson Company, The. (See Winship, Ross, assignor.)

Upton, John M., assignor to Filshie Lead Head Nail Company, Inc., Chicago, Ill. Apparatus for capping nails. 2,119,659; June 7.

Valenti, Carl, Pittsburgh, Pa. Concrete slab house construction. 2,120,195; June 7.

Vanderbilt, Edwin G., Fitzsimons General Hospital, near Aurora, Colo. Calf feeder. 2,119,691; June 7.

Van der Horst, Hajo L. (See Holst, G., and van der Horst.)
Van Dorn, William E., and W. H. Terrel, assignors to Precision Dental Mfg. Co., Pasadena, Calif. Articulator. 2,119,896; June 7.
Van Kempen, Peter A. Zittau, Germany. Machine for measuring and marking sheets of material. 2,119,863; June 7.
Van Zütphen, Ludwig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Caoutchouc-like products and preparing them. 2,119,629; June 7.
Varley, Ernest V., Norbury, London, assignor to Merridale Trust Limited, London, England. Slicing machine. 2,119,660; June 7.
Veldown Company, Inc. (See Blosser, J. E., and Burke, assignors.)
Verbeek, Arnold F., Oberlungwitz, Germany, assignor to Kallo, Inc., New York, N. Y. Carrier rod driving mechanism. 2,119,613; June 7.
Versterdal, Hans G. (See Wiezevich, P. J., and Vesterdal.)
Victory Fireworks and Specialty Company. (See Anderson, R. J., assignor.)
Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Welting and shoemaking therewith. 2,119,801; June 7.
Vogel, Friedrich. (See Zorn, W., Voegel, and Wolter.)
Voigt, Willi, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Rod antenna for short waves. 2,119,692; June 7.
Von Werder, Fritz. (See Dalmer, O., and von Werder.)
Vouch, Stephen J., and J. W. McNairy, Erie, Pa., assignors to General Electric Company. Braking system. 2,120,207; June 7.
Wade, Maner L. (See Carr, D. E., and Wade.)
Waelès, Daniel C., Montreuil-sous-Bois, and D. Rosentraub, Bagnolet, France. Baby carriage foldable to form trunks. 2,119,836; June 7.
Wahl Company, The. (See Moore, Fred, assignor.)
Wahl, John C., assignor to Mills Novelty Company, Chicago, Ill. Dispensing slide mechanism. 2,119,897; June 7.
Walker, Frederic T. (See Spencer, W. D., and Walker.)
Walker, Gilbert T., and H. H. Wood, assignors, to Thomas Walker Limited, Birmingham, England. Adjusting slide or buckle for bends, webbing, or the like. 2,119,961; June 7.
Walker Manufacturing Company. (See Tully, Richard G., assignor.)
Walker, Thomas, Limited. (See Walker, G. T., and Wood, assignors.)
Waller, Carl R. (See Miller, J. S., and Waller.)
Wallin, Kenneth L., San Pedro, assignor to Union Oil Company of California, Los Angeles, Calif. Separation of wax. 2,119,759; June 7.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Printing natural sausage casings. 2,119,729; June 7.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Container and making same. 2,119,730; June 7.
Walworth Patents Inc. (See Aderhold, J. E., Jr., and Duemler, assignors.)
Wardwell, George W., Jr., Nichols, Conn., assignor to General Electric Company. Ironing machine. 2,119,719; June 7.
Waream, Charles E., assignor to The American Laundry Machinery Company, Norwood, Ohio. Cylinder door construction. 2,120,167; June 7.
Warwick, H. Paul. (See Legler, Henry, assignor.)
Waterman, Max L. (See Fleckenstein, G. A., and Waterman.)
Waverly Heating Supply Co., The. (See Harrington, James B., assignor.)
Webb, Byron H., Washington, D. C., and G. A. Ramsdell, Arlington, Va., dedicated to the free use of the People of the United States. Preparing a useful milk serum or whey product. 2,119,614; June 7.
Webster Electric Company. (See Fellows, H. E., and Wiechers, assignors.)
Wehr, Georg. (See Schildgen, G., and Wehr.)
Wehrle, Theodor, Basel, Switzerland, assignor to the firm Deutsche Gesellschaft für Schädlingsbekämpfung m. b. H., Frankfort-on-the-Main, Germany. Process and apparatus for exterminating pests in articles. 2,119,837; June 7.
Weiner, Albert. (See Handman, Maurice, assignor.)
Weiner, Harry, Brooklyn, and E. I. Friedman, assignors to General Slicing Machine Co. of New York, Inc., New York, N. Y. Slicing machine. 2,119,760; June 7.
Weinheim, Emil J., et al. (See Morea, Frank P., assignor.)
Weinrich, Joseph T., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Percolator cover. 2,119,974; June 7.
Wells, George M., Upper Montclair, N. J. Flowing oil wells. 2,119,563; June 7.
Wells, Leland E., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Making ribbed separators. 2,120,120; June 7.
Wendeborn, Helmut, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Drying substances in the condition of sludge and for evaporating solutions. 2,119,615; June 7.
Wentworth, Clinton H., Los Angeles, Calif. Heat interchange device. 2,119,761; June 7.
West, James T., Rockingham, N. C. Liquid level gauge. 2,119,838; June 7.
Western Electric Company. (See Brillhart, Samuel E., assignor.)
Western Electric Company. (See Dupré, Valentine H., assignor.)
Westfield River Paper Company. (See Barnhart, Philip S., assignor.)
Westinghouse Electric and Manufacturing Company. (See Gustin, Daniel S., assignor.)
Westinghouse Electric and Manufacturing Company. (See McGowan, Michael E., assignor.)
Westinghouse Electric X-Ray Company Inc. (See Morrison, Montford, assignor.)
Westinghouse Electric and Manufacturing Company. (See Short, L. and Brown, assignors.)
Westphal, Kurt, and H. Klös, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Basically substituted enol and thienol ethers and esters. 2,119,802; June 7.
Weston, Richard S., assignor to The Moore Corporation, Joliet, Ill. Broiler. 2,119,898; June 7.
Weyer, Henry A., assignor to B. S. Nassl, Philadelphia, Pa. Fluid pressure hammer. 2,119,975; June 7.
Whalen, Joseph J., Oklahoma City, Okla. Rotary drag bit. 2,119,661; June 7.
Wheelbarger, Albert S., and W. G. Orth, Dayton, assignors, by mesne assignments, to Central National Bank of Cleveland, Cleveland, Ohio. Printing mechanism for registers. 2,119,693; June 7.
Whelton, John M., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Gauging mechanism. 2,119,584; June 7.
White, Clarence B., Philadelphia, Pa. Recovering pure copper from scrap and residue. 2,119,936; June 7.
Whiteley, James M., Roselle, N. J., assignor to Standard Oil Development Company. Separation of hydrocarbon mixtures into constituent parts. 2,119,871; June 7.
Whitin Machine Works. (See Truslow, James L., assignor.)
Wiechers, Benton T. (See Fellows, H. E., and Wiechers.)
Wiegand, Georg, assignor to Chemische Fabrik Grünau, Landshoff & Meyer A. G., Berlin-Grunau, Germany. Higher molecular substituted protein cleavage products and their preparation. 2,119,872; June 7.
Wiegand, Kurt, Berlin-Neu-Tempelhof, Germany, assignor to General Electric Company. Mounting for a two-base electric tubular lamp. 2,120,121; June 7.
Wiegman, Clarence H. (See Hoffman, S. K., and Wiegman.)
Wiezevich, Peter J., now by judicial change of name P. J. Gaylor, Elisabeth, and H. G. Vesterdal, Linden, Elisabeth, N. J., assignors to Standard Oil Development Company. Halogenated hydrocarbon solvents. 2,119,873; June 7.
Wightman, Rolan J., Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Pasteurising milk. 2,119,616; June 7.
Wikstrom, Oskar W. (See Gregoire, Horace W., assignor.)
Wild, Richard F., Richmond Heights, Mo. Card game accessory. 2,119,830; June 7.
Wilhelm, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Amplifier tube arrangement. 2,119,694; June 7.
Willard Storage Battery Company. (See Wells, Leland, E., assignor.)
Wille, Joseph L. (See Freber, Elmer C., assignor.)
Williams, Israel, Philadelphia, Pa. Skylight. 2,120,060; June 7.
Williams, James M., assignor of one-third to C. R. Morgenthaler, Joplin, Mo. Fuel pump control. 2,119,567; June 7.
Williams, John J., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Manufacturing container closures. 2,119,630; June 7.
Williams, John J., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Manufacturing container closures. 2,119,662; June 7.
Williams, Roger, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing hydrogen. 2,119,565; June 7.
Williams, Roger, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing hydrogen. 2,119,566; June 7.
Wilson, Augustus L., San Antonio, Tex. Meat slicing machine. 2,119,762; June 7.
Wilson, Ivan V., Dayton, Ohio, assignor, by mesne assignments, to Monsanto Chemical Company. Forming resinous hydrocarbon polymers. 2,119,970; June 7.
Wilson, John A. (See Powers, M. A., and Wilson.)
Wilson, Robert A., Dallas, Tex. Tubing catcher. 2,119,763; June 7.
Winchell, Arthur B. (See Sparks, W., Scofield, and Winchell.)
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Control mechanism. 2,119,617; June 7.





Winship, Ross, assignor to The Upson Company, Lockport, N. Y. Fastening means for wallboard and the like. 2,120,049; June 7.
Winslow, Seth L., et al. (See Stecher, Charles, assignor.)
Winsted Hardware Manufacturing Company, The. (See Reichold, Ludwig, assignor.)
Winterburg, Joseph H. (See Hood, D. J., and Winterburg.)
Winthrop Chemical Company. (See Callsen, Jürgen, assignor.)
Winthrop Chemical Company. (See Westphal, K., and Klös, assignors.)
Witherow, William P. (See Henderson, Albert, assignor.)
Wittmann, Robert A., assignor of one-half to R. G. Guthrie, Chicago, Ill. Hygrometer. 2,119,977; June 7.
Wolter, Heinrich. (See Zorn, H., Vogel, and Wolter.)
Wolthuis, Herman, Neenah, and C. A. Fourness, Appleton, assignors to Paper Patents Company, Neenah, Wis. Air filter. 2,119,978; June 7.
Wood, Gar. (See Gray, Edward, assignor.)
Wood, Herbert H. (See Walker, G. T., and Wood.)
Woodcock, Andrew J., Wilmette, Ill. Golf bag support. 2,119,695; June 7.
Woods, James, assignor to J. R. MacDonald and Company, Buffalo, N. Y. Garment hanger. 2,119,934; June 7.
Worrell, Guy C., assignor to C. F. Ely, Westfield, Mass. Machine tool. 2,119,568; June 7.
Wright, J. J., Jr. (See McElrath, Hunter B., assignor.)
Wright, Leigh W., Norwood, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Hydraulic contouring attachment for machine tools. 2,120,196; June 7.
Wyatt, James R., Camden, N. J., assignor to Ajax Electric Furnace Corporation, Philadelphia, Pa. Induction electric furnace and method. 2,120,223; June 7.
Yarnell, I. A., et al. (See Holscker, Richard, assignor.)
Youker, Malcolm P., Bartlesville, Okla. Combined circulating and ventilating fan assembly. 2,119,935; June 7.
Young, Royal A., Walsh, Colo. Fastening device. 2,119,764; June 7.
Zeiss Ikon Aktiengesellschaft. (See Illgen, Hans, assignor.)
Zilliger, Arno, Narberth, assignor to National Television Corporation, Wilmington, Del. High frequency amplifier and circuit therefor. 2,120,122; June 7.
Zimmerman, Fred R., assignor to Nachman-Springfield Corporation, Chicago, Ill. Machine for coupling upholstery springs. 2,119,765; June 7.
Zorn, Hermann, Ludwigshafen-on-the-Rhine, F. Vogel, Mannheim, and H. Wolter, Amsdorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing aliphatic alcohols of high molecular weight. 2,119,899; June 7.
Yox, George J., et al. (See Bialy, Andrew, assignor.)
Zublin, John A., Los Angeles, Calif. Oversize hole drilling mechanism. 2,119,618; June 7.

# LIST OF REISSUE INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 7TH DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Fuel burning system. R. E. Bressler. Re. 20,749; June 7.
Images of polychromatic selection and projecting them to obtain an image in natural colors, Superposing partial. C. Bocca. Re. 20,748; June 7.
Manifolding machine. W. Ritzerfeld. Re. 20,753; June 7.
Pulp, Producing puffed. J. E. Plumstead. Re. 20,752; June 7.
Reel, Fishing. H. F. Maynes. Re. 20,751; June 7.
Valve. C. W. Sproull. Re. 20,755; June 7.
Water, Treating. L. Rosenstein. Re. 20,754; June 7.
Wheel, Vehicle. J H. Hunt and H. J. Horn. Re. 20,750; June 7.

# LIST OF DESIGN INVENTIONS

Air circulator. W. E. Willey. 110,042; June 7.
Automobile transport body. W. E. Baker. 110,013; June 7.
Badge. C. H. Rowton. 110,009; June 7.
Bottle. H. Lilienthal. 110,030; June 7.
Bottle or similar container. E. T. Reynolds. 110,034; June 7.
Box and mirror, Combined make-up. C. K. Marcell. 110,006; June 7.
Button. A. F. Donovan. 110,021; June 7.
Cabinet or similar article. A. Bach. 109,973; June 7.
Camera or similar article. G. Kende and P. J. Brownscombe. 110,027; June 7.
Camera or similar article. G. Kende and W. F. Yevick. 110,028; June 7.
Car, Juvenile. R. A. Klatt. 109,988; June 7.
Casing, and meat chopper and pan, Combined power unit. G. P. and D. G. Anderson. 109 972; June 7.
Casing, Compressed air dispensing. J. C. Woodford. 110,043; June 7.
Casing for an ozonizer. H. V. Hjermstad and P. F. Sperry. 110,025; June 7.
Casing for electric air driers. E. S. Hewitt. 110,001; June 7.
Casing, Scale. H. L. van Doren. 109,992; June 7.
Casket. J. A. Christian. 109,976–7; June 7.
Chest of drawers. W. J. Hickerson. 109,985–7; June 7.
Coat. J. Henschel. 110,056; June 7.
Coat. J. M. Riordan. 110,059; June 7.
Comb or similar article. J. Kahn. 110,002; June 7.
Container for perfumes, Combination. R. B. Karoff. 110,003; June 7.
Counter, Service bar back. G. W. Behrel. 110,014–5; June 7.
Desk unit, Combination. A. E. Detwiler. 109,998; June 7.
Diner. B. G. Harley. 110,000; June 7.
Doll. A. M. De Journette. 110,044; June 7.
Doll, Dancing. C. L. Craven, S. Ciccone, and J. G. Miller. 109,978; June 7.
Door, Screen. E. C. Klaiber. 110,004; June 7.
Dress. M. Armao. 110,051–3; June 7.
Dress. P. Fracchia. 110,055; June 7.
Dress. M. Sobelman. 110,060–1; June 7.
Dress ensemble. T. Coleman. 110,054; June 7.
Dress ensemble. P. Schlessel. 110,036; June 7.
Dress ensemble. R. Williams. 110,062; June 7.
Emblem or similar article, Commemorative. A. Brown, Jr. 110,016; June 7.
Fabric or similar article, Textile. G. Virgile. 110,040; June 7.
Fabric or similar article, Textile. A. Zavell. 110,063; June 7.
Frame for display cards. F. J. Signet. 109,991; June 7.
Glove. M. Blanc. 109,997; June 7.
Glove. S. M. Straus. 110,038; June 7.
Goblet. N. Moll. 109,990; June 7.
Goblet or similar article. E. M. Bottoms. 109,974; June 7.
Goblet or similar article. R. R. Kostellow. 109,989; June 7.
Grinder, Coffee. G. P. and D. G. Anderson. 109,971; June 7.
Halo. C. Marc. 110,057; June 7.
Handbag. F. N. Lewis. 110,045; June 7.
Handbag. G. G. Rona. 110,008; June 7.
Hat or similar article. T. J. Mundorff. 110,058; June 7.
Heater or the like, Space. H. S. Frasher. 109,999; June 7.
Knife or similar article, Fish. A. M. Baer. 109,996; June 7.
Lamp. S. W. Rosenthal. 110,035; June 7.
Lid for a cooking pot or similar article. F. C. Worrall. 109,994; June 7.
List finder. A. E. Pollock. 110,007; June 7.
Manicure implement. P. F. Acocella. 110,010; June 7.
Masher. H. T. Warner. 109,993; June 7.
Mirror. W. J. Hickerson. 109,981–4; June 7.
Pan, Baking. H. McKay. 110,032; June 7.
Panel for an electric arc welder, Front. C. M. Akins. 110,011; June 7.
Pitcher. L. Guild. 109,979; June 7.
Plate or similar article. E. M. Bottoms. 109,975; June 7.
Platter. L. Guild. 109,980; June 7.
Scarf and cap, Combined. M. Stuchin. 110,039; June 7.
Shoe. J. E. Andrews. 110,012; June 7.
Spectacles or similar articles, Pair of. L. H. Kirk and C. Plouffe. 110,029; June 7.
Spoon or other article of flatware. W. S. Warren. 110,041; June 7.
Spread or similar article. M. F. Hauck. 110,024; June 7.
Stand, Smoking. O. Mankki. 110,005; June 7.
Stand, Smoking. O. Mankki. 110,031; June 7.
Sweater ensemble. M. J. Kasper. 110,026; June 7.
Table and radio receiving set, Combined. D. J. Crowley. 110,019–20; June 7.
Table and radio set, Combined. D. J. Crowley. 110,017–18; June 7.
Tank vehicle body. A. R. Ferguson. 110,023; June 7.
Token dispensing machine, Tax. O. F. Murphy. 110,033; June 7.
Tray, Gondola. L. Farber. 110,022; June 7.
Vehicle. A. de Sakhnoffsky. 109,995; June 7.
Velocipede step plate. S. A. Snell. 110,037; June 7.
Winterfront for automobiles. W. L. Morrison. 110,046–50; June 7.



# LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 7TH DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. H. W. Dempsey. 2,119,738; June 7.
Abrading apparatus. W. L. Keefer. 2,119,813; June 7.
Abrading apparatus. E. O. Hamren. 2,119,812; June 7.
Acid resistant and metal adherent compositions of matter and making same. L. C. Brunstrum and F. H. MacLaren. 2,119,522; June 7.
Acidophylin product and making it. S. M. Farr. 2,119,739; June 7.
Aggregate handling apparatus. H. O. Curtis. 2,119,780; June 7.
Agricultural machine. C. E. Phillips. 2,120,040; June 7.
Air conditioner. A. Tonkin. 2,120,166; June 7.
Air conditioning machine. G. Paschal. 2,120,208; June 7.
Air cooled die-holder. W. J. Schuster. 2,119,516; June 7.
Air filter. H. Wolthuis and C. A. Fourness. 2,119,978; June 7.
Air valve. J. F. Stanwich. 2,119,723; June 7.
Alarm apparatus for temperature control. M. O. Snediker. 2,119,605; June 7.
Alcohols of high molecular weight, Producing aliphatic. H. Zorn, F. Vogel, and H. Wolter. 2,119,899; June 7.
Alloy. H. H. Schwarzkopf. 2,119,965; June 7.
Alloy and producing the same, Cast iron. W. J. Sparling. 2,119,833; June 7.
Alumina and potassium sulphate, Making. F. B. MacCarthy. 2,119,551; June 7.
Aminotrifluoromethyl-aryl-sulphonic acids and preparing them. H. Kracker and F. Herrlein. 2,119,882; June 7.
Amplifier and circuit therefor, High frequency. A. Zilliger. 2,120,122; June 7.
Amplifying arrangement comprising thermionic tubes having more than one grid. K. Posthumus. 2,119,514; June 7.
Anchor, Whip stock. E. K. Lane. 2,119,746; June 7.
Animal, Mechanical. J. Kurelic. 2,120,102; June 7.
Animated sign. G. A. Rogers. 2,119,558; June 7.
Antenna for short waves, Rod. W. Voigt. 2,119,692; June 7.
Antirust material. F. H. MacLaren and L. C. Brunstrum. 2,119,553; June 7.
Antirust material and plug valve lubricant. F. H. MacLaren and L. C. Brunstrum. 2,119,552; June 7.
Apparatus for applying sealing material to containers. J. D. Reifsnyder. 2,119,729; June 7.
Apparatus for converting dry ice into carbon dioxide gas. W. C. Merrill. 2,120,057; June 7.
Apparatus for disintegrating solids. E. B. Myers. 2,119,887; June 7.
Apparatus for producing permanent waves. S. Kallmann. 2,120,148; June 7.
Apparatus for producing screen structures. D. F. Newman. 2,119,791; June 7.
Arch construction. G. P. Cryster. 2,119,779; June 7.
Arch support. G. Bauer. 2,119,850; June 7.
Arch support. W. E. Copithorn. 2,119,703; June 7.
Articulator. W. E. Van Dorn and W. H. Terrell. 2,119,806; June 7.
Ash remover for underfeed stokers. T. H. Banfield. 2,119,937; June 7.
Asphalts and the like, Transporting. W. H. Hampton. 2,119,538; June 7.
Atomizing valve. P. L. Scott. 2,119,966; June 7.
Attachment for machine tools, Hydraulic contouring. L. W. Wright. 2,120,196; June 7.
Automatic transmission control. W. T. Livermore. 2,120,104; June 7.
Automobile jack. C. W. Johnson and G. M. Smith. 2,119,953; June 7.
Awning, Venetian. G. J. Edmonds. 2,119,856; June 7.
Backlash eliminator mechanism. C. B. De Vleg. 2,119,705; June 7.
Bacon, Treating. H. H. McKee. 2,119,716; June 7.
Bakery products, Preserving. M. D. Coulter. 2,120,020–1; June 7.
Balancing device for flying machines. C. A. M. de Rougé. 2,120,065; June 7.
Ball and roller bearing. J. L. Hilton. 2,119,990; June 7.
Ball bearing, Axial thrust. G. Schlidgen and G. Wehr. 2,120,154; June 7.
Barber pole. W. R. Severson. 2,120,192; June 7.
Base for indandescent lamps, Cementless. M. E. McGowan. 2,119,681; June 7.
Bath curtain. J. W. Shera. 2,120,155; June 7.
Bathtub safety device. G. L. Heckert. 2,120,179; June 7.
Battery, Electric storage. A. Setzer. 2,119,967; June 7.
Battery plates from their cases, Removing storage. W. F. Eppensteiner. 2,119,857; June 7.
Battery stripper, Storage. W. F. Eppensteiner. 2,119,858–9; June 7.
Beam mechanism, Lifting. L. E. Knerr. 2,119,547; June 7.
Bearing: *See*—
Ball and roller bearing.
Bearing reamer. J. Sunnen. 2,120,080; June 7.
Bearings, Manufacture of. J. Bate. 2,119,900; June 7.
Bench, Folding newspaper and sales. H. J. Bocker. 2,119,569; June 7.
Binder, Loose leaf. R. S. Brown. 2,120,086; June 7.
Binder, Loose leaf. A. G. Lotter. 2,119,639; June 7.
Bit: *See*—
Rotary drag bit.
Bituminous emulsions, Producing. L. B. Beckwith and F. S. Scott. 2,119,732; June 7.
Blade adjustment mechanism. M. H. Tuft. 2,119,835; June 7.
Blade, Protected. J. M. Bowen. 2,119,983; June 7.
Block: *See*—
Electrical connection block.
Block and structure, Refractory. M. C. Neil. 2,120,000; June 7.
Block for automobile lifts, Rear axle. R. G. Tully. 2,120,051; June 7.
Boat structure. I. Chase. 2,119,775; June 7.
Boiler: *See*—
Heating boiler.
Bolt or pin and retaining member. H. G. Brokering. 2,119,520; June 7.
Booklets, catalogues, or the like, Binding of. A. E. Perkins. 2,119,511; June 7.
Box: *See*—
Watch display box.
Box dumping machine. H. J. Mintert and J. B. Tate. 2,119,596; June 7.
Box machine. W. T. Bailey. 2,119,980; June 7.
Box making apparatus and method, Paper. H. W. Gregoire. 2,120,214; June 7.
Brake: *See*—
Motor vehicle brake.
Shoe brake.
Parking brake.
Brake. H. List. 2,119,819; June 7.
Braking system. S. J. Vouch and J. W. McNairy. 2,120,207; June 7.
Breeches and the like, Riding. E. F. Roberts and S. Adamson. 2,119,602; June 7.
Broach. W. S. Praeg. 2,120,041; June 7.
Broiler. R. S. Weston. 2,119,898; June 7.
Brooch assemblage. M. Handman. 2,120,215–16; June 7.
Brusher, Planetary. H. Paxton. 2,119,869; June 7.
Building construction element. G. F. Kotrbaty. 2,119,586; June 7.
Buoy, Light. T. O. Day. 2,119,854; June 7.
Burner: *See*—
Fuel burner.
Oil burner.
Liquid fuel burner.
Pit burner.
Bus body construction. W. B. Stout. 2,119,655; June 7.
Butterfly valve. K. Iida. 2,119,816; June 7.
Cable: *See*—
Insulated electrical cable.
Cable-gripper. E. F. Dwight. 2,120,066; June 7.
Calf feeder. E. G. Vanderbilt. 2,119,691; June 7.
Camera shutter. H. R. Darling. 2,119,845; June 7.
Camera shutter. E. Koszalka, Jr. 2,119,712; June 7.
Can body flanger. A. M. Cameron. 2,119,666; June 7.
Can body, Metal. J. H. O'Neil. 2,120,038; June 7.
Can cover and fastening means therefor. H. P. Turner. 2,120,047; June 7.
Caoutchouc-like products and preparing them. L. Van Zütphen. 2,119,629; June 7.
Car door, Refrigerator. W. M. Dwyer. 2,119,574; June 7.
Carburetor. A. Lutz. 2,119,922; June 7.
Carburetor, Anterior throttle cold charge. A. Moore. 2,119,885; June 7.
Card game accessory. R. F. Wild. 2,119,839; June 7.
Carriage foldable to form trunks, Baby. D. C. Waelès and D. Rosentraub. 2,119,836; June 7.
Carrier rod driving mechanism. A. F. Verbeek. 2,119,613; June 3.
Cartridge for lubricants and other materials. H. R. Tear. 2,120,007; June 7.
Case: *See*—
Wall case.
Casts of feet, Making. E. C. MacDonald. 2,119,590; June 7.
Casting reel. J. B. Rickards and J. E. J. Spencer. 2,120,190; June 7.
Cathode for discharge tubes. G. Holst and H. L. van der Horst. 2,119,913; June 7.
Cellulose acetate-propionate composition containing a lower alkyl ricinoleate. H. B. Smith. 2,119,722; June 7.
Cellulose, Bleaching. A. O. Bragg. 2,119,519; June 7.

Cement process, Expanded. A. Henderson. 2,119,860; June 7.
Centrifugal separator. J. F. Tholl. 2,120,139; June 7.
Chair: *See*—
Folding chair.
Chair base and making the same. R. W. Bancroft. 2,119,946; June 7.
Chaser-holder for thread-cutting tools. A. F. Breitenstein. 2,119,984; June 7.
Checkbook holder. P. C. Morris. 2,119,826; June 7.
Cigarette extinguisher. E. G. Johnson. 2,120,027; June 7.
Clamping device. B. O. Cone. 2,120,018; June 7.
Classifying apparatus for postal matter. A. J. Knight and H. W. Cadman. 2,119,919; June 7.
Cleaner: *See*—
Suction cleaner.
Clevises and the like, Manufacturing of. A. M. Smith. 2,120,118; June 7.
Closer for the lips of a corpse. R. R. Divel. 2,120,143; June 7.
Closure and applying the same. L. E. Beitler. 2,119,901; June 7.
Closure fastener. T. I. Moseley. 2,120,111; June 7.
Closure frame. O. J. Crowe. 2,119,667; June 7.
Closures, Manufacturing container. J. J. Williams. 2,119,930; June 7.
Closures, Manufacturing container. J. J. Williams. 2,119,962; June 7.
Clutch. J. H. Doran. 2,120,092; June 7.
Clutch. C. G. Strandlund. 2,119,757; June 7.
Coating for ceramic bodies, Metal. R. Higgins. 2,119,989; June 7.
Coating, Phosphated metal. L. P. Curtin. 2,120,212; June 7.
Coats and the product thereof, Manufacture of fur. H. Post. 2,120,152; June 7.
Coiling device. K. Grube. 2,119,847; June 7.
Collar and cuff. A. H. Ide. 2,120,147; June 7.
Collar adjusting device. A. J. Huellebrand. 2,120,070; June 7.
Comb. S. Braverman. 2,119,939; June 7.
Comb, Fountain. W. J. Kotsopoulos. 2,119,849; June 7.
Combination lock. L. S. and O. F. Deal. 2,120,142; June 7.
Concrete structures, Apparatus for making. W. F. Piper. 2,119,648; June 7.
Condensation products of acetylenic compounds. H. B. Dykstra. 2,119,531; June 7.
Condenser: *See*—
Electrical condenser.
Condenser apparatus. I. Short and H. C. Brown. 2,119,668; June 7.
Conductor, Armored. G. Carlson. 2,120,068; June 7.
Connecting rod. J. Bugatti. 2,120,016; June 7.
Connection, Piano key. A. H. Morse. 2,119,598; June 7.
Consistency tester. O. T. Bloom. 2,119,699; June 7.
Container: *See*—
Opening container. Tube container.
Container. H. C. Boardman. 2,119,518; June 7.
Container. R. W. Krout. 2,119,789; June 7.
Container and assorter, Coin. E. G. Buckner. 2,119,773; June 7.
Container and closure therefor. R. Bernhardt. 2,120,170; June 7.
Container and making same. C. T. Walter. 2,119,730; June 7.
Container for and dispenser of ribbon-like material. G. H. Halpin. 2,119,537; June 7.
Container labeling mechanism. C. Schmutzer. 2,119,653; June 7.
Control and regulator means for actuating mechanisms. W. Thaler. 2,120,010; June 7.
Control device for a photographic apparatus. A. B. Fuller. 2,119,846; June 7.
Control means. L. W. Eggleston and E. J. Dillman. 2,120,213; June 7.
Control mechanism. E. E. Winkley. 2,119,617; June 7.
Controllers, System for regulating. C. H. Bissell. 2,120,123; June 7.
Conveyer. L. J. Bishop. 2,120,052; June 7.
Cooler and stirrer, Combination liquid. D. Fisk. 2,120,201; June 7.
Cooler and storage cabinet, Milk. T. L. Edwards. 2,119,631; June 7.
Cooling arrangement for internal combustion engines. K. Schwaiger. 2,120,004; June 7.
Cooling system for projection machines. A. B. Scott. 2,120,005; June 7.
Copper from scrap and residue, Recovering pure. C. B. White. 2,119,936; June 7.
Corn cutter, Green. F. W. Selcoke. 2,119,945; June 7.
Coupling: *See*—
Pneumatic flexible coupling. Shaft coupling.
Stovepipe coupling.
Course indicator for blind flying and landing. F. W. Dunmore. 2,119,530; June 7.
Cover: *See*—
Percolator cover.
Cover and mounting for vents and the like. D. J. McIntyre. 2,119,923; June 7.
Cover attachment, Electrical. J. M. G. Fullman. 2,119,782; June 7.
Crankcase ventilating system. W. W. Lowther. 2,120,060; June 7.
Crating apparatus. E. Anderson. 2,119,767; June 7.
Crusher, Impact. E. B. Myers. 2,119,886; June 7.
Cultivator, Garden. F. F. Nichols. 2,119,924; June 7.
Curtain tie-back design holder. D. A. Huber. 2,119,815; June 7.
Cushion and support, Heel and arch. M. M. Farley. 2,119,807; June 7.
Cutter: *See*—
Corn cutter. Spindle cutter.
Rotary cutter.
Cylinder-gripper and shoe-fly actuating mechanism. J. Sinkovitz and A. A. Saul. 2,119,754; June 7.
Dart, Exploding. Y. Char. 2,119,524; June 7.
Deflector device. R. W. Johnson. 2,119,992; June 7.
Dehydrator, Egg. C. McLean. 2,119,594; June 7.
Δ1-alkenyl cyanoacetic esters and producing same. A. C. Cope, W. H. Hartung, and F. S. Crossley. 2,119,526; June 7.
Dental articulator. H. C. Hagman and A. S. T. Lagaard. 2,119,579; June 7.
Dentistry, Apparatus and process for use in. J. S. Miller and C. R. Waller. 2,119,824; June 7.
Dentistry, Method and means for use in. J. S. Miller and C. R. Waller. 2,119,823; June 7.
Derrick structure. W. Schwemlein. 2,120,224; June 7.
Device for creating and delivering a cleaning foam. J. R. Dörman. 2,119,906; June 7.
Device for verifying the speed of rotating shafts. P. P. Kriek. 2,119,627; June 7.
Device mounting. L. J. Linde. 2,120,103; June 7.
Dial, Indicating. H. E. Goldstine. 2,119,576; June 7.
Die. C. A. Cadenbach. 2,119,965; June 7.
Diffuser of toilet-liquids, Pressure-operated. V. Mendl. 2,119,643; June 7.
Direction signal. E. Holloway. 2,119,626; June 7.
Discharge device, Electric. C. Depew. 2,119,855; June 7.
Dispenser: *See*—
Tongue depressor dispenser.
Dispenser. E. M. Ilsemann. 2,119,917; June 7.
Dispenser. H. R. Tear. 2,120,008; June 7.
Dispensing apparatus. M. H. Sacharow. 2,120,116; June 7.
Dispensing and display device. J. Burgess. 2,119,700; June 7.
Display apparatus. J. Taddonio. 2,119,562; June 7.
Display device. L. E. Shaw. 2,120,117; June 7.
Display device, Illuminated. F. A. Sunderhauf. 2,119,689; June 7.
Display screen. A. Lewy. 2,120,072; June 7.
Display stand. R. S. Kieffer and W. A. Schenke. 2,119,788; June 7.
Distillates, Treatment of cracked. W. E. Kuhn. 2,120,134; June 7.
Distillator and carbonizer, Combined. L. Strelka. 2,119,973; June 7.
Door: *See*—
Car door.
Door check. P. J. and C. P. Harrah. 2,119,743; June 7.
Door checking device. C. F. Luts. 2,119,580; June 7.
Door construction, Cylinder. C. E. Waream. 2,120,167; June 7.
Door handles, Sealing revoluble. F. E. Payne. 2,120,039; June 7.
Doors and gates, Vehicle actuated means for opening and/or closing. W. Austin. 2,120,084; June 7.
Draft appliance. A. Thompson. 2,119,834; June 7.
Drill grinding tool. W. H. Fischer. 2,119,741; June 7.
Drill pipe slip. W. A. Abegg. 2,119,731; June 7.
Drive mechanism for crawler tractors, Final. W. O. Bechman. 2,119,770; June 7.
Dusting apparatus. G. H. Schans. 2,120,003; June 7.
Dye and other liquids from containers, Device for applying. F. Pidel. 2,119,646; June 7.
Egg whites, Treating liquid. S. Trania. 2,119,657; June 7.
Electric and magnetic deflecting system for cathode ray tubes, Combined. E. Ruska and B. Schwartz. 2,119,795; June 7.
Electric arrangement for controlling electric lamps of a lamp screen. K. Rosenberg. 2,119,870; June 7.
Electric motor. A. J. Dremel. 2,119,986; June 7.
Electric plug. A. E. Grant. 2,119,809–10; June 7.
Electrical condenser. S. Heyman. 2,119,744; June 7.
Electrical connection block. H. J. Blakeslee. 2,120,061; June 7.
Electrical signal switch. W. P. Crockett, Jr. 2,119,778; June 7.
Electromagnet device. H. Hausrath. 2,120,178; June 7.
Electrolytic device. P. Robinson and J. L. Collins. 2,119,628; June 7.
Electrolytic extraction of metallic manganese. S. M. Shelton; 2,119,560; June 7.
Electron discharge device. V. L. Rencl. 2,119,559 June 7.
Elevator plate mechanism. E. E. Alexander. 2,120,061; June 7.
Engine: *See*—
Injection engine. Two-cycle engine.
Internal combustion engine.
Engine starting means. C. G. A. Rosen. 2,119,794; June 7.





Engines, Controlling the starting of internal combustion. R. G. Fulcher and W. T. Carle. 2,119,672; June 7.
Enol and thienol ethers and esters, Basically substituted. K. Westphal and H. Klöe. 2,119,802; June 7.
Envelopes, bags, and similar articles, Process and apparatus for the manufacture of. M. Dünnebier. 2,119,951; June 7.
Esters of dicarboxylic acids, Mixed alkyl-alkanonyl. L. P. Kyrides. 2,119,993; June 7.
Extension for trucks and trailers, Telescoping. R. H. Tull. 2,119,800; June 7.
Extractor: *See*—
Juice extractor.
Extractor and centrifugal method, Centrifugal. E. L. Miller. 2,119,644; June 7.
Fabric: *See*—
Tubular woven fabric.
Fabric cleansing machine. J. B. Kirby. 2,119,918; June 7.
Fabric or garment and in the production thereof, Knitted. T. H. Jones and R. K. Mills. 2,120,181; June 7.
Facing for building constructions. E. L. Torstenson. 2,119,690; June 7.
Fan assembly, Combined circulating and ventilating. M. P. Yonker. 2,119,935; June 7.
Farebox. E. M. Macdonald. 2,119,592; June 7.
Fastener: *See*—
Closure fastener. Paper fastener.
Fastener. D. A. Brennan. 2,119,842; June 7.
Fastener. D. A. Brennan. 2,119,844; June 7.
Fastening device. R. A. Young. 2,119,764; June 7.
Fastening means for wallboard and the like. R. Winship. 2,120,049; June 7.
Fastening means, Name plate. C. F. Mitchel. 2,120,058; June 7.
Fastening, Rail. L. C. Peskin and H. R. Rice. 2,119,512; June 7.
Feed, Apparatus for manufacturing dried. W. L. McGehee and H. W. Lubnow. 2,119,790; June 7.
Feed water heater. J. M. Shimer. 2,119,652; June 7.
Feeder: *See*—
Calf feeder.
Feeding and transfer mechanism. W. W. Criley. 2,120,022; June 7.
Feeding apparatus. C. D. Knowlton. 2,119,585; June 7.
Fiber products, Making ligno-cellulose. W. H. Mason. 2,120,137; June 7.
Fibers, Apparatus for liberating useful. R. W. McLean. 2,120,108; June 7.
Film manufacture. S. J. Carroll. 2,119,702; June 7.
Film reel. I. Marks. 2,119,943; June 7.
Films, Manufacture of resin. R. H. Talbot. 2,119,727; June 7.
Filter: *See*—
Air filter.
Filtering unit for lubricant-circulating systems of internal combustion engines having overhead valves. W. C. Bauer. 2,119,619; June 7.
Finishing and polishing machine. C. J. Lippold. 2,119,954; June 7.
Fires, Apparatus for extinguishing forest. J. Raleigh. 2,119,962; June 7.
Fish ladder assembly. B. L. Peterson. 2,119,555; June 7.
Fishline reel. F. C. Griswold. 2,120,048–9; June 7.
Fish over a dam structure, Method and apparatus for transferring migratory. H. B. Holmes, H. F. Blood, and M. C. Bell. 2,119,540; June 7.
Fishtrap. C. M. Nordenstam. 2,119,828; June 7.
Fitting and manufacture thereof. J. E. Gray and W. M. Parker. 2,120,067; June 7.
Fixture, Display. W. C. Adams. 2,120,197; June 7.
Flask for dental purposes. H. Königsmann. 2,119,920; June 7.
Fliter for spinning machines. H. E. Herr. 2,119,582; June 7.
Float control, Electric. J. L. Turner. 2,120,048; June 7.
Float light. R. J. Anderson. 2,119,697; June 7.
Floor, Composite. K. E. Crooks. 2,119,804; June 7.
Flow and pressure responsive indicator. J. R. Harrington. 2,119,783; June 7.
Fluid cooling apparatus and method. G. M. Kleucker. 2,119,864; June 7.
Fluid operated pump, Governed. C. J. Coberly. 2,119,736; June 7.
Fly rod lure. S. F. Davenport. 2,119,805; June 7.
Folding chair. H. O. Mearkle. 2,120,183; June 7.
Food products, Producing. C. B. Mathews, H. W. Adams, and E. E. Berry. 2,120,138; June 7.
Foot construction in full fashioned hosiery. G. Gastrich. 2,119,575; June 7.
Foot switch. I. E. Nixon. 2,119,683; June 7.
Footwear. N. W. Mathey. 2,120,107; June 7.
Form, Garment blocking and stretching. A. P. Shepherd. 2,119,604; June 7.
Forms, Mechanism for coating food. J. D. Ferry. 2,119,910; June 7.
Frame: *See*—
Closure frame.
Frame, Double production twister or spinning. J. E. Turcotte. 2,119,726; June 7.
Frame or the like, Display. M. J. Schless. 2,119,832; June 7.
Fraud preventing mechanism for game apparatus. J. J. Mitchell. 2,119,867; June 7.
Fruit, Apparatus for the skin treatment of citrus fruit. R. Holzcker. 2,119,914; June 7.
Fruit skin coloring, Bonding citrus. R. Holzcker. 2,119,915; June 7.
Frustums, Manufacture of flared. E. R. Fauaset. 2,120,024; June 7.
Fuel burner. R. M. Hardgrove. 2,119,580; June 7.
Fuel burner, Combination. T. F. Sullivan. 2,119,581; June 7.
Fuel injector for internal combustion engines. S. K. Hoffman and C. H. Wiegman. 2,119,879; June 7.
Fuel, Treated. R. F. Nelson. 2,120,206; June 7.
Fuels, Apparatus for burning liquid. M. A. Powers and J. A. Wilson. 2,119,830; June 7.
Fulling and washing machine. D. Gessner. 2,120,025; June 7.
Fumigant carrier combination. H. J. Langhorst. 2,120,204; June 7.
Furnace. R. M. Hardgrove. 2,119,624; June 7.
Furnace: *See*—
Rotary furnace.
Furnace. R. M. Hardgrove, R. Shellenberger, L. W. Heller, and R. L. Godshalk. 2,120,129; June 7.
Furnace and method, Induction electric. J. R. Wyatt. 2,120,223; June 7.
Furnace discharge means. J. F. Joy. 2,119,541; June 7.
Furnace or the like, Apparatus for shutting off fuel supply to a. D. W. Fehrenbach. 2,120,053; June 7.
Furrow obstructing machine. R. H. Smith. 2,120,193; June 7.
Game. M. Roosman. 2,120,075; June 7.
Game, Sparking target. E. W. Creswell. 2,119,572; June 7.
Garment, Diapering. R. A. Tasker. 2,119,610; June 7.
Garment hanger. J. Woods. 2,119,934; June 7.
Gas heater, High temperature. C. Keller. 2,119,817; June 7.
Gauge: *See*—
Liquid level gauge.
Gauge for and method of measuring strains in glass, Strain. S. M. Gray. 2,119,577; June 7.
Gauging mechanism. J. M. Whelton. 2,119,564; June 7.
Generator: *See*—
High voltage generator.
Glass, Treating. H. H. Blau and K. K. Knaell. 2,119,947; June 7.
Glassware, Coated. A. H. Stewart. 2,119,608; June 7.
Glazing strip. E. Peremi and L. Toth. 2,119,685; June 7.
Glycols and their esters from fatty acids, Production of. A. Grün. 2,119,674; June 7.
Golf bag support. A. J. Woodcock. 2,119,695; June 7.
Grain separating cylinders, Increasing the separating capacity of. H. H. Moyer. 2,119,997; June 7.
Grinding machine. J. Y. Blazek and R. G. Anderson. 2,120,198; June 7.
Grinding plate. D. S. Anthony. 2,119,768; June 7.
Guard for windows, Drip. A. Bialy. 2,120,171; June 7.
Guiding device for long draft aprons. J. L. Ruslow. 2,119,658; June 7.
Hair curling device. J. R. Joganic. 2,119,661; June 7.
Hair waving device. E. C. Chancey. 2,119,774; June 7.
Hammer, Fluid pressure. H. A. Weyer. 2,119,975; June 7.
Handle for heating appliances. E. S. Preston. 2,120,221; June 7.
Hanger: *See*—
Garment hanger.
Hat and preparing the same. H. G. Macintosh. 2,120,105; June 7.
Headlight and direction indicator for vehicles, and controlling device for same, Combined. E. R. Lochman. 2,119,549; June 7.
Headlight for vehicles. F. S. Caldwell. 2,119,734; June 7.
Headlight for vehicles. F. P. Morea. 2,119,697; June 7.
Headlight structure. H. C. Snow. 2,119,892; June 7.
Headlights, Attachment for. P. E. S. Reichard. 2,120,188; June 7.
Heat exchange apparatus, Fluid. P. R. Cassidy, I. Harter, and H. J. Kerr. 2,120,125; June 7.
Heat exchangers, Method and apparatus for making. J. Price. 2,119,960; June 7.
Heat interchange device. C. H. Wentworth. 2,119,761; June 7.
Heater: *See*—
Feed water heater. Gas heater.
Heater and incinerator, Combined water. R. D. Tierney. 2,120,165; June 7.
Heating apparatus for liquid. J. C. Dunlap. 2,119,907; June 7.
Heating appliance. E. S. Preston. 2,120,220; June 7.
Heating boiler, Domestic. E. C. Stauffer. 2,119,606; June 7.
Helical spring machine. C. H. Peterson. 2,119,513; June 7.
High voltage generator. N. E. Lindenblad. 2,119,588; June 7.
Holder: *See*—
Checkbook holder. License tag holder.
Curtain tie-back design holder.
Hole drilling mechanism, Oversize. J. A. Zublin. 2,119,618; June 7.

Hosiery, Full fashioned. J. M. Botts. 2,119,663; June 7.
House construction, Concrete. C. Valenti. 2,120,195; June 7.
Hurdle, Automatic. J. B. Fecht. 2,119,808; June 7.
Hydrocarbon mixtures into constituent parts, Separation of. J. M. Whiteley. 2,119,871; June 7.
Hydrocarbons, Production of valuable. M. Pier and W. Simon. 2,119,647; June 7.
Hydrogen, Producing. R. Williams. 2,119,565–6; June 7.
Hydrometer. R. A. Wittmann. 2,119,977; June 7.
Hydroxy compounds of the cyclopentano polyhydro phenanthrene series, Separation of. W. Schoeller, A. Serini, M. Gehrke, H. Friewe, L. Strassberger, and W. Logemann. 2,119,515; June 7.
Ice pack. J. D. Bates. 2,120,013; June 7.
Indicating device. H. T. Lyman. 2,120,136; June 7.
Indicator: *See*—
Flow and pressure responsive indicator.
Indicator device. H. Illgen. 2,120,100; June 7.
Injection engine. H. Fischer. 2,119,781; June 7.
Insulated electrical cable. J. W. Greenleaf. 2,120,095; June 7.
Intake and mixing device. F. Reid. 2,119,927; June 7.
Intake manifold system for internal combustion engines. O. C. Funderburk. 2,119,707; June 7.
Internal combustion engine. J. E. Andreau. 2,120,014; June 7.
Internal combustion engine. C. Ecker. 2,119,877; June 7.
Internal-combustion engine, Air-cooled. H. L. Towns. 2,120,045; June 7.
Internal-combustion engine. H. C. Edwards. 2,119,633; June 7.
Iodine recovery. S. B. Heath and F. A. Landee. 2,120,218; June 7.
Iron and the manufacture thereof, Cast. W. A. Brown. 2,119,521; June 7.
Ironing machine. G. W. Wardwell, Jr. 2,119,719; June 7.
Jack: *See*—
Automobile jack.
Joint. H. G. Blevins. 2,120,062; June 7.
Joint of tubular conduits, Flanged. J. Schierenbeck. 2,119,651; June 7.
Juice extractor. C. H. Steinbiss. 2,119,972; June 7.
Keel for row boats and the like, Detachable sailing. H. J. Kline. 2,119,881; June 7.
Knife sharpening machine. W. B. Hausman. 2,120,096; June 7.
Knitting machine and method. H. A. Raynor. 2,120,187; June 7.
Lagging. C. A. Gustafson. 2,119,578; June 7.
Lamp: *See*—
Sodium lamp.
Lamp joint and adapter. V. Follet. 2,119,987; June 7.
Laundry listing machine. G. H. Lang. 2,119,713; June 7.
License tag holder. N. Matula. 2,119,714; June 7.
Lift, Hydraulic. E. R. Barrett. 2,119,632; June 7.
Light: *See*—
Float light.
Light bulb, Electric. E. I. Clemence. 2,120,087; June 7.
Light fixture, Electric. A. A. Johnson. 2,119,711; June 7.
Lining for electric light sockets, Insulating. T. C. Marshall. 2,120,150; June 7.
Liquid fuel burner. R. M. Sherman. 2,119,969; June 7.
Liquid level gauge. J. T. West. 2,119,838; June 7.
Liquid sterilizing device. E. A. Johnston. 2,119,784; June 7.
Loaf-forming machine. E. F. Gielow. 2,119,673; June 7.
Lock: *See*—
Combination lock. Permutation lock.
Lock. J. H. Milligan. 2,119,866; June 7.
Lock rod operating device. F. H. H. Foss. 2,120,202; June 7.
Locking device with a plurality of latches. E. Massholder. 2,119,996; June 7.
Locomotive body. E. Gray. 2,119,535; June 7.
Loom. E. H. Burdett. 2,120,199; June 7.
Loom binder. H. I. Emmons. 2,120,144; June 7.
Lubricating device. H. B. McElrath. 2,120,031; June 7.
Lubrication. C. F. Prutton. 2,119,556; June 7.
Machine for applying pressure to shoe bottoms. L. Mawbey. 2,119,591; June 7.
Machine for coupling upholstery springs. F. R. Zimmerman. 2,119,765; June 7.
Machine for covering heels. L. J. Bazzoni. 2,119,840; June 7.
Machine for measuring and marking sheets of material. P. A. van Kempen. 2,119,863; June 7.
Machine for unloading bottles from crates. C. Stecher. 2,119,725; June 7.
Machine, Inductor dynamo electric. F. W. Merrill. 2,120,109; June 7.
Machine tool. G. C. Worrell. 2,119,568; June 7.
Machines, Construction of. M. Smith. 2,120,194; June 7.
Magnet, Resilient induction. M. V. Green. 2,119,811; June 7.
Manifolding assembly. H. Stevens. 2,120,162; June 7.
Manifolding assembly, Unitary. H. Stevens. 2,120,161; June 7.
Manifolding device. H. Stevens. 2,120,163; June 7.
Marker, Grave. Z. F. Anderson. 2,120,082; June 7.
Material, Apparatus for packetting small quantities of granular or pulverulent. W. and F. Sumner. 2,119,726; June 7.
Material, Apparatus for treating. W. Raisch. 2,119,601; June 7.
Material distributor or spreader. S. E. Baughman. 2,120,169; June 7.
Material treating and handling apparatus. J. D. Ferry. 2,119,909; June 7.
Materials used in distilling, etc., Converting starchy raw. G. C. Baker. 2,119,981; June 7.
Measuring and packaging press articles and press attachment used therein. W. R. Smith. 2,119,661; June 7.
Meat slicing machine. A. L. Wilson. 2,119,762; June 7.
Menthol, Making crystalline. M. Harris. 2,120,131; June 7.
Merchandise mechanical sealing and recording. F. E. Love. 2,119,994; June 7.
Mercury switch. R. P. Mattern. 2,119,944; June 7.
Metal container, Easy opening sheet. W. F. Punte. 2,120,186; June 7.
Metal, Manufacturing composite. V. H. Dupré. 2,119,668; June 7.
Meter closure. R. W. Grace. 2,120,145; June 7.
Milk, Pasteurizing. R. J. Wightman. 2,119,616; June 7.
Milk product and manufacturing the same. F. W. Nordsiek. 2,119,599; June 7.
Milk serum or whey product, Preparing a useful. B. H. Webb and G. A. Ramsdell. 2,119,614; June 7.
Mirror for dental and like uses, Fogless. U. G. Densten. 2,120,091; June 7.
Mirror, Rear view. P. E. Stone. 2,119,654; June 7.
Motor: *See*—
Electric motor. Windshield cleaner motor.
Motor control. L. O. Miner. 2,119,715; June 7.
Motor vehicle. M. Tibbetts. 2,119,656; June 7.
Motor vehicle brake. P. F. Rossmann. 2,119,650; June 7.
Mounting for a two-base electric tubular lamp. K. Wiegand. 2,120,121; June 7.
Mounting for mops, Display. R. F. Henn. 2,119,709; June 7.
Mower, Lawn. W. F. H. Braun. 2,119,874; June 7.
Muff structure. R. P. Reinemer. 2,120,189; June 7.
$NH_3$-Air mixtures, Preparing. R. S. Richardson. 2,119,721; June 7.
Nails, Apparatus for capping. J. M. Upton. 2,119,659; June 7.
Name plate. J. E. Nichols. 2,119,751; June 7.
Neckwear construction. I. C. Levy. 2,119,748; June 7.
Needle. A. H. Little. 2,120,030; June 7.
Needle of weaving loom. R. Dewas. 2,119,573; June 7.
Nitrogen compounds, Alkoxyalkyl mercury. J. Callsen. 2,119,701; June 7.
Nitrosamines. W. Seidenfaden and H. Thomae. 2,119,891; June 7.
Novelty, Advertising. F. A. Moore. 2,119,825; June 7.
Offal, Apparatus for use in cooling. A. O. Lundell. 2,119,640; June 7.
Oil burner. E. O. Engels. 2,119,952; June 7.
Oil burner. J. B. Harrington. 2,120,130; June 7.
Oil composition and preparing same, Solid-gelled. E. F. Arnold and M. J. Callahan. 2,120,083; June 7.
Oil compositions. W. H. Butler. 2,120,124; June 7.
Oil compositions, Preparing. P. B. Cochran and R. T. Hucks. 2,120,089; June 7.
Oil, Lubricating. E. F. Pevere. 2,119,718; June 7.
Oil, Solvent extraction of. U. B. Bray. 2,120,209; June 7.
Oil, Stabilised lubricating. W. L. Steiner. 2,120,119; June 7.
Oil suitable for varnishes, Producing quick drying. J. L. Schneider, S. L. Flugge, and R. J. Evans. 2,120,044; June 7.
Oil wells, Method of and means for flowing. G. M. Wells. 2,119,563; June 7.
Oils, Apparatus and process for treating hydrocarbon. L. Kirschbraun. 2,119,816; June 7.
Oils, Continuous filtration of wax bearing. D. R. Merrill. 2,119,749; June 7.
Oils, Dewaxing. C. D. Barnes and M. T. Flaxman. 2,119,938; June 7.
Oils, Dewaxing. U. B. Bray. 2,119,733; June 7.
Oils, Treating residual paraffinic. C. E. Lauer and L. V. Phillips. 2,120,135; June 7.
Opening container, Easy. H. A. Fink. 2,119,533; June 7.
Ore flotation. B. R. Harris. 2,120,217; June 7.
Organic compounds, Molding. D. E. Strain. 2,120,006; June 7.
Os calsis support. A. Macdonald. 2,120,055; June 7.
Oscillator, Audio. S. Snead. 2,119,971; June 7.
Outlet duct. M. M. Clayton. 2,119,776–7; June 7.
Oven, Collapsible. W. F. Sivey. 2,119,798; June 7.
Oven, Revolving drying. I. E. P. Huse. 2,119,916; June 7.
Package and producing same. R. A. Ramsdell. 2,119,963; June 7.
Package opening device. W. H. Plageman. 2,119,793; June 7.
Packer, Chip. H. Coolidge. 2,119,571; June 7.
Packet, Manifolding. H. Stevens. 2,120,159–60; June 7.
Paper, Coated. P. S. Barnhart. 2,119,509; June 7.
Paper coating. P. S. Barnhart. 2,119,508; June 7.



Paper fastener. D. A. Brennan. 2,119,843; June 7.
Paper, Packaging. F. S. McDonnell. 2,119,956; June 7.
Paper registering control. A. S. Fitz Gerald. 2,119,670; June 7.
Parachute. R. H. Hart. 2,120,177; June 7.
Parking brake. G. F. Klampferer. 2,119,638; June 7.
Partition. B. S. Pease. 2,119,889–90; June 7.
Pen, Fountain. F. Moore. 2,120,059; June 7.
Pen, Fountain. E. G. Pearson. 2,119,645; June 7.
Pen, Fountain. S. M. Sager. 2,119,796; June 7.
Percolator cover. J. T. Weinsierl. 2,119,974; June 7.
Permutation lock. A. J. Denerich. 2,119,704; June 7.
Pests in articles, Process and apparatus for exterminating. T. Wehrle. 2,119,837; June 7.
Photographic emulsions, Reduction of contrast of. C. J. Staud. 2,119,724; June 7.
Pick-up device for electrical musical instruments. A. F. Knoblaugh. 2,119,584; June 7.
Pipe, Apparatus for severing. H. L. Patton. 2,120,014; June 7.
Pipe bending method and apparatus. L. Carl. 2,119,875; June 7.
Pipe joint or coupling. O. W. Mojonnier. 2,120,184; June 7.
Piston. J. J. Cooper. 2,120,019; June 7.
Piston. R. E. Day. 2,120,090; June 7.
Piston. G. L. Moore. 2,120,033; June 7.
Pit burner. L. M. Nelson. 2,119,827; June 7.
Plastic mass, Noninflammable. W. Spencer and F. T. Walker. 2,120,222; June 7.
Plow. C. G. Strandlund. 2,119,756; June 7.
Plug: *See*—
Electric plug.
Pneumatic flexible coupling. R. H. Limpp. 2,120,182; June 7.
Polymers, Forming resinous hydrocarbon. I. V. Wilson. 2,119,976; June 7.
Power translating device. G. M. Cole. 2,120,126; June 7.
Power transmission device, Vacuum-tight. C. V. Litton. 2,119,955; June 7.
Power unit. O. A. Fritz. 2,120,175; June 7.
Power wrench. E. H. Shaff. 2,119,968; June 7.
Preservative process for vegetable fibers. W. T. Conn. 2,119,525; June 7.
Press: *See*—
Tile press.
Press inking mechanism, Printing. J. E. Lee and F. Barney. 2,119,747; June 7.
Pressure control mechanism, Fluid. L. A. Majneri. 2,120,073; June 7.
Primary control. A. A. Strand. 2,119,894; June 7.
Printing mechanism. M. J. Hoffman. 2,119,539; June 7.
Printing mechanism for registers. A. S. Wheelbarger and W. G. Orth. 2,119,693; June 7.
Printing on nonabsorptive surfaces. D. W. Knaggs. 2,119,546; June 7.
Printing plates, Apparatus for cooling curved stereotype. W. Gerrard and W. Harris. 2,120,176; June 7.
Prism. O. K. Kaspereit. 2,119,542–4; June 7.
Prism. O. K. Kaspereit. 2,119,545; June 7.
Product from mucilaginous substance of eel, Manufacturing a powdered. T. Mayehara. 2,119,822; June 7.
Protein cleavage products and their preparation, Higher molecular substituted. G. Wiegand. 2,119,872; June 7.
Protective device for vehicle windows. E. M. Grimth. 2,119,635; June 7.
Pump: *See*—
Fluid operated pump.
Pump control, Fuel. J. M. Williams. 2,119,567; June 7.
Pump for motor vehicle, Fuel. B. C. Horton. 2,119,880; June 7.
Pumps, System of operating fluid-operated. C. J. Coberly. 2,119,737; June 7.
Pyrophosphate ester bleaching agent. K. Buts. 2,119,523; June 7.
Quartz piezoelectric element. H. W. N. Hawk. 2,119,848; June 7.
Rack and clasp for enlargers. W. H. Holder. 2,119,710; June 7.
Rack for spirituous liquors, Storage. H. Legler. 2,119,883; June 7.
Radiator cleaning composition. B. Gallsworthy. 2,120,128; June 7.
Radiator, Stamped metal. A. P. Ball. 2,120,085; June 7.
Radio communicating system. E. J. Sterba. 2,119,607; June 7.
Razor with adjustable handle. W. T. Parkin. 2,119,792; June 7.
Receptacle inverting mechanism. J. M. McClatchie. 2,119,642; June 7.
Record controlled machine. L. M. Keefe. 2,120,071; June 7.
Recording instrument. J. D. Cunningham. 2,119,950; June 7.
Rectifier and capacitor charger. H. L. Rorden. 2,120,002; June 7.
Reel: *See*—
Casting reel. Fishline reel.
Film reel.
Refrigerating apparatus. E. B. Newill. 2,119,958; June 7.
Refrigerating apparatus. G. C. Pearce. 2,119,959; June 7.
Refrigerating apparatus. L. A. Philipp. 2,120,185; June 7.
Refrigerator. H. D. Bennett. 2,120,014; June 7.
Register. W. L. Paden and O. G. Saunders. 2,119,684; June 7.
Relay, Electrical. B. E. O'Hagan. 2,120,037; June 7.
Release mechanism for blasting cartridges, Indestructible. L. D. Myers. 2,120,034; June 7.
Resin refining and polymerization simultaneously. J. N. Borglin. 2,120,015; June 7.
Resin, Soluble. C. M. Ross. 2,120,076; June 7.
Resins, Production of hydrocarbon. T. F. Nealon. 2,119,957; June 7.
Resistances, Manufacture of electrical. B. Long. 2,119,680; July 7.
Resistor and shunt switch, Combined. I. E. McCabe. 2,120,056; June 7.
Ring for packaging. R. C. Ingersoll. 2,119,745; June 7.
Ring, Method of assembling an oil seal. W. Novey and J. C. Tromba. 2,120,113; June 7.
Rinsing and wringing machine. R. Pribyl. 2,119,686; June 7.
Rod: *See*—
Connecting rod.
Rod and manufacturing the same, Sucker. F. B. Bayless. 2,119,698; June 7.
Roentgenograms, Identifying. F. T. Powers. 2,120,074; June 7.
Roller grip wrench. E. C. Freber. 2,119,622; June 7.
Roller polishing machine. J. R. Keller. 2,119,862; June 7.
Rotary cutter. L. J. Nevraumont. 2,119,683; June 7.
Rotary drag bit. J. J. Whalen. 2,119,661; June 7.
Rotary furnace. C. P. Debuch and E. Marksworth. 2,119,528; June 7.
Rotor, Aerodynamic. T. Ash, Jr. 2,120,188; June 7.
Rotor flying machine. C. Dornier. 2,119,806; June 7.
Rubber dust, Manufacture of. M. J. Stam. 2,119,932; June 7.
Rubber latex and similar vegetable juices, Concentrating. E. Benzing and J. Jaenicke. 2,119,620; June 7.
Rubber, Treatment of. F. N. Pickett. 2,119,600; June 7.
Sadiron, Electric. L. Reichold. 2,119,964; June 7.
Safety apparatus of a door closer. M. Hasuo. 2,119,625; June 7.
Safety device for punch boards. C. E. Burnett and O. May. 2,120,172; June 7.
Safety valve. H. Cave. 2,119,851; June 7.
Salts of cinchona alkaloids and their production. O. Dalmer and F. Von Werder. 2,119,527; June 7.
Sanitary napkin machine. J. E. Blosser. 2,119,982; June 7.
Sausage casing, Printing natural. C. T. Walter. 2,119,729; June 7.
Screen: *See*—
Display screen. Vibratory screen.
Screen structure, Mosaic. H. A. Iams. 2,120,099; June 7.
Screening device. J. W. McNeely. 2,119,595; June 7.
Scriber, Adjustable metal thickness. G. E. Corbin. 2,119,852; June 7.
Seat: *See*—
Vehicle seat.
Seat construction for motor vehicles, and the like. L. A. Suekoff. 2,119,758; June 7.
Separator: *See*—
Centrifugal separator.
Sewing machine. G. A. Fleckenstein and M. L. Waterman. 2,120,127; June 7.
Sewing machine. A. B. Clayton. 2,120,210; June 7.
Separators, Making ribbed. L. E. Wells. 2,120,120; June 7.
Shade, Window. E. W. Kingsbury. 2,119,583; June 7.
Shaft coupling. W. Lindner. 2,119,678; June 7.
Sharpener and standard protector, Cutting machine knife. D. B. Ahman. 2,119,769; June 7.
Shaving implement. J. Muros. 2,119,998; June 7.
Shaving implement. N. Testi. 2,120,009; June 7.
Sheet in paper making machines, Apparatus for securing uniform drying of the. A. E. Broughton. 2,119,771; June 7.
Sheets, Device for fastening. L. W. Karlen. 2,120,149; June 7.
Shoe brake. L. C. Brisson and P. Marmignon. 2,119,903; June 7.
Shoe heel lift, Detachable. E. Nebeling. 2,120,112; June 7.
Shot. M. G. Corson. 2,119,876; June 7.
Shutter construction. J. B. Nelson. 2,119,717; June 7.
Shutter, Setting. W. A. Riddell. 2,119,831; June 7.
Siccative solutions, Stabilisation of. J. T. Rutherford and G. C. Brock. 2,119,753; June 7.
Sight mount, Telescopic. F. O. Peterson. 2,119,925; June 7.
Sign: *See*—
Animated sign.
Sign. E. L. Marten. 2,120,106; June 7.
Sign. C. A. Smith. 2,119,931; June 7.
Signal: *See*—
Direction signal.
Signal device. A. E. and L. Rittenhouse. 2,120,153; June 7.

Signal switch, Directional. C. K. Antonopulos. 2,119,979; June 7.
Signal system, Traffic. A. F. Martel. 2,119,593; June 7.
Sinks, Apparatus for making. V. J. Graf. 2,120,094; June 7.
Skirts, Machine knitting seamless fashioned. H. H. Newberger. 2,120,035; June 7.
Skylight. I. Williams. 2,120,060; June 7.
Slab construction, Two-plane. C. F. Davis. 2,120,200; June 7.
Slicing machine. E. G. Streckfuss. 2,120,164; June 7.
Slicing machine. E. V. Varley. 2,119,660; June 7.
Slicing machine. H. Weiner and E. I. Friedman. 2,119,760; June 7.
Slide mechanism, Dispensing. J. C. Wahl. 2,119,897; June 7.
Slide or buckle for bands, webbing, or the like, Adjusting. G. T. Walker and H. H. Wood. 2,119,961; June 7.
Socket for vacuum tubes, etc. M. Alden. 2,119,517; June 7.
Sochet, Slip type releasing. S. Siracusa. 2,119,797; June 7.
Sodium acid sulphate, Noncaking. F. D. Smith. 2,119,970; June 7.
Sodium lamp. D. S. Gustin. 2,119,675; June 7.
Solution for the deposition of metallic films, Reducing. D. J. Hood and J. H. Winterburg. 2,120,203; June 7.
Solvents, Halogenated hydrocarbon. P. J. Wiezevich and H. G. Vesterdal. 2,119,873; June 7.
Sound producer. R. Roosen. 2,119,649; June 7.
Sound producing device. G. I. Lewis. 2,120,028; June 7.
Spark plug testing device. C. Ferrel and J. G. Colling. 2,119,634; June 7.
Spatula for dental work, Wax modeling. J. Ellis. 2,119,908; June 7.
Speed control and braking system. M. H. Loughridge. 2,119,550; June 7.
Spindle cutter. A. C. Schmitt. 2,119,929; June 7.
Sprayer, Liquid. F. W. Lohse. 2,119,884; June 7.
Spring and mattress, Combination sectional box. J. Drexler and A. Bencsik. 2,119,706; June 7.
Spring filling construction for mattresses and cushions. W. B. Foster. 2,120,093; June 7.
Spring winding machine. E. W. Halvorsen and A. C. Nigro. 2,120,146; June 7.
Stand: *See*—
Display stand.
Steam control for paper machines, Automatic. F. A. Stickle. 2,120,079; June 7.
Steering wheel switch. H. E. Pulleyblank. 2,119,752; June 7.
Stock quotation projecting machine. A. D. Eitzen. 2,119,532; June 7.
Stocking form and support. P. J. Murray. 2,120,219; June 7.
Stoker. A. R. Chalker. 2,119,941; June 7.
Stoker. F. C. Tretheway. 2,120,046; June 7.
Stoker and method of burning fuel. E. O. Marty. 2,119,554; June 7.
Stoker mechanism. O. Moeller. 2,119,750; June 7.
Storage for sweet potatoes and other vegetable crops for industrial utilization, Form of. F. H. Thurber. 2,119,612; June 7.
Stove, Collapsible. W. F. Sivey. 2,119,799; June 7.
Stovepipe coupling. E. S. Cornell, Jr. 2,120,211; June 7.
Strand handling apparatus. S. E. Brillhart. 2,119,570; June 7.
Structural member. G. G. Greulich. 2,119,708; June 7.
Submarader, Canal and road. V. Bressi and N. F. Jahn. 2,119,664; June 7.
Substances in the condition of sludge and for evaporating solutions, Drying. H. Wendeborn. 2,119,615; June 7.
Suction cleaner. E. F. Martinet. 2,120,011; June 7.
Suit, Bathing. J. Cohen. 2,120,173; June 7.
Sunshade. L. G. Brown. 2,119,803; June 7.
Support: *See*—
Arch support. Os calsis support.
Golf bag support.
Supporting apparatus. W. E. Schmidt. 2,120,077; June 7.
Swing or roundabout, Rotary. H. J. Gundrey. 2,119,968; June 7.
Switch: *See*—
Electrical signal switch. Signal switch.
Foot switch. Steering wheel switch.
Mercury switch.
Switch mechanism, Time. G. Stokes. 2,119,933; June 7.
Synchronizing apparatus. P. B. Agnew. 2,120,140; June 7.
Tank and package delivery body, Combination. E. H. Gill. 2,119,742; June 7.
Tank and stake body, Combination trailer. F. C. Buchanan. 2,119,772; June 7.
Tank structure and method for making glass or the like. H. H. Blau and K. K. Knaell. 2,119,948; June 7.
Tapping apparatus. H. W. Ribble. 2,120,001; June 7.
Tent base. E. Hungrige. 2,120,180; June 7.
Thermoplastic adhesive and laminated fabric comprising same. R. M. Freydberg. 2,120,054; June 7.
Tie press. R. H. Schwab. 2,119,603; June 7.
Tire. P. M. Bourdon. 2,120,063; June 7.
Tire inflating and ventilating device. N. D. Campbell. 2,119,735; June 7.
Tire, Pneumatic. B. F. Randel. 2,119,557; June 7.
Tire valve. W. F. Goff. 2,119,623; June 7.
Toilet ventilator. W. R. Dick. 2,119,529; June 7.
Tongue depressor dispenser. J. D. Fuseller. 2,119,912; June 7.
Tool: *See*—
Drill grinding tool. Machine tool.
Tool transmission and control mechanism, Machine. L. H. Blood. 2,119,902; June 7.
Torch. H. Schrader. 2,120,078; June 7.
Totalizer engagement control device. E. Breitling. 2,119,841; June 7.
Towel dispensing apparatus. R. De Bersaques. 2,120,023; June 7.
Toy. L. Marx. 2,119,641; June 7.
Toy, Aquatic. H. D. Miller. 2,120,151; June 7.
Toy building blocks, tiles, bricks, and the like. A. Levy. 2,119,921; June 7.
Toy, Figure. H. L. Rodman. 2,120,191; June 7.
Tractor, Track type. E. A. Johnston. 2,119,785; June 7.
Transmitters, Protecting device for telephone. M. Rubel. 2,120,043; June 7.
Transporting equipment. E. H. Remde. 2,120,042; June 7.
Tray, Freezing. H. D. Geyer. 2,120,026; June 7.
Tray or basket, Dish holding. J. E. Manley. 2,119,821; June 7.
Trigger for machine guns. S. G. Green. 2,119,536; June 7.
Trimming machine. H. M. Hessenbruch. 2,119,942; June 7.
Trommel. R. D. Heller. 2,119,676; June 7.
Truck wheel. C. J. Hug. 2,120,096; June 7.
Tub and board construction, Wash. G. E. Sowney. 2,120,157; June 7.
Tube: *See*—
X-ray tube.
Tube arrangement, Amplifier. K. Wilhelm. 2,119,694; June 7.
Tube container, Collapsible. H. Quittner. 2,119,926; June 7.
Tube flaring device. T. M. Lilleberg. 2,120,029; June 7.
Tubing catcher. R. A. Wilson. 2,119,763; June 7.
Tubular woven fabric. J. W. Stark. 2,119,893; June 7.
Two-cycle engine. G. Exel. 2,119,878; June 7.
Typewriter keyboard. R. F. Estes. 2,120,174; June 7.
Typewriters, Noise-damping device for power-driven. A. Salsberger. 2,119,928; June 7.
Typewriting machine. G. F. Handley. 2,119,814; June 7.
Upholstery trim, Displaceable. A. E. Northup. 2,120,036; June 7.
Valve: *See*—
Atomising valve. Air valve.
Butterfly valve. Tire valve.
Valve. J. E. Aderhold, Jr., and O. E. Duemler. 2,119,766; June 7.
Valve. L. Gerber. 2,119,534; June 7.
Valve converting system, Electric. C. C. Herskind. 2,120,097; June 7.
Valve for oil burners, Fuel regulator. H. E. Fellows and B. T. Wiechers. 2,119,740; June 7.
Valve lift for oscillating valve gears, Variable. A. Caprotti. 2,119,904; June 7.
Valve stem and valve. S. O. Rexroad. 2,119,687; June 7.
Valves, Protecting means for ionic. U. Lamm. 2,119,865; June 7.
Vehicle: *See*—
Motor vehicle.
Vehicle accessory system, Motor. E. C. Horton, H. Huebner, and E. E. Rousseau. 2,119,510; June 7.
Vehicle body. L. M. Francis. 2,119,671; June 7.
Vehicle seat. E. G. Simpson. 2,120,156; June 7.
Vehicle wheel. C. L. Ekstergian. 2,119,669; June 7.
Vehicle wheel. J. H. Hunt. 2,119,901; June 7.
Vending machine, Coin operated. E. A. Laughery. 2,119,848; June 7.
Veneers, Method of an apparatus for drying wood. G. R. Meyercord. 2,120,205; June 7.
Ventilator for truck covers. W. F. Crawford. 2,119,905; June 7.
Vibratory screen. J. Mess and R. Stroud. 2,120,032; June 7.
Volatility tester. F. L. Kallam. 2,119,786; June 7.
Wall and arch construction. A. M. Kohler. 2,120,133; June 7.
Wall case. P. E. Stiles. 2,119,609; June 7.
Warp beam. R. V. Olson and W. B. Swenson. 2,119,868; June 7.
Wash cloth. E. S. Sutton. 2,119,895; June 7.
Washing machine. L. A. James. 2,119,636; June 7.
Washing machine. A. H. Labisky. 2,119,677; June 7.
Washing machines. H. C. Kuck and T. J. Abele. 2,120,101; June 7.
Watch display box. B. S. Katz. 2,119,787; June 7.
Watchman's recording system. L. Kennedy and A. Beyer. 2,119,637; June 7.
Water treating plant, Self powered automatic. O. A. Sims. 2119,930; June 7.
Wave transmission system, Electric. H. E. Curtis. 2,119,853; June 7.
Wax and producing same, Oxidized. D. E. Carr and M. L. Wade. 2,119,940; June 7.
Wax, Separation of. K. L. Wallin. 2,119,759; June 7.
Weather strip. R. B. Calcutt. 2,120,017; June 7.





Welder, Air-O-Matic spot. E. G. Biederman. 2,120,141; June 7.
Welding strip. M. Naëder. 2,119,999; June 7.
Well drilling operations, Method of and composition for preventing the loss of drilling fluid. C. P. Parsons. 2,119,829; June 7.
Wells, Method and apparatus for cleaning. R. R. Hawkins. 2,120,132; June 7.
Welting and shoemaking therewith. W. C. Vizard. 2,119,801; June 7.
Wheel: *See*—
Truck wheel. Vehicle wheel.
Wick and holder, Burner. D. Lumsden. 2,119,820; June 8.
Window mechanism, Ventilating. J. H. Roethel. 2,120,115; June 7.
Windows and the like, Mechanism for opening and closing hinged. J. Fox-Williams. 2,119,911; June 7.
Windshield cleaner motor. W. Sparks, T. J. Scofield, and A. B. Winchell. 2,119,696; June 7.
Wiper, Heated vehicle windshield. F. W. Lamb. 2,119,587; June 7.
Wire feeding means for soldering irons, Solder. G. Mancinelli. 2,119,995; June 7.
Wheel springing system for motor driven vehicles, Independent front. J. F. Soper. 2,119,755; June 7.
Work feeding apparatus. W. Cameron. 2,119,665; June 7.
Work supporting structure, Extensible. W. H. Starrick. 2,120,158; June 7.
Wrench: *See*—
Power wrench. Roller grip wrench.
X-ray photographs, Identifying. T. S. Buckley. 2,120,064; June 7.
X-ray potential having predetermined wave form, System for producing. M. Morrison. 2,119,682; June 7.
X-ray tube. C. V. Litton. 2,119,679; June 7.
Yarn oiler for coning machines. M. Morrell. 2,120,110; June 7.
Yarn tension. D. A. Tebo. 2,119,611; June 7.
"Zipper" closure, Waterproof. S. C. Ferrone. 2,119,621; June 7.

# CLASSIFICATION OF PATENTS

## ISSUED JUNE 7, 1938

**In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.**

NOTE.—First number—class, second number—subclass, third number—patent number


2— 67: 2,120,173
96: 2,119,621
144: 2,119,748
209: 2,120,189
237: 2,119,662
4— 164: 2,120,153
183: 2,120,179
213: 2,119,520
5— 260: 2,120,093
352: 2,119,709
8— 108: 2,119,519
9— 8.3: 2,119,854
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104: 2,119,984
156: 2,119,689
11— 4: 2,119,511
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U. S. GOVERNMENT PRINTING OFFICE: 1936

# LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott, Ambrose C., doing business as A. C. Abbott Products Co., Los Angeles, Calif. Shipping containers. Serial No. 404,241; June 14. Class 2.
Acme Chemical Company, Milwaukee, Wis. Liquid cleanser.. Serial No. 402,703; June 14. Class 4.
Addressograph-Multigraph Corporation, Euclid Village, Cleveland, Ohio. Planographic plates. Serial No. 404,461; June 14. Class 50.
Aktiebolaget Bröderne Ameln, Stockholm, Sweden. Foods. Serial No. 387,693; June 14. Class 46.
Alberto-Culver. (See Culver, Blaine.)
Allied Kid Company, Boston, Mass. Unfinished and partly finished leather. Serial No. 405,469; June 14. Class 1.
American Pop Corn Company, Sioux City, Iowa. Pop corn. Serial No. 397,331; June 14. Class 46.
Arthur Canneries, Inc., Montpelier, Ind. Canned vegetables. Serial No. 401,174; June 14. Class 46.
Arthur Canneries, Inc., Montpelier, Ind. Canned vegetables. Serial No. 401,232; June 14. Class 46.
Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. Serial No. 405,585; June 14. Class 6.
Atlas Abrasives Corporation, New Rochelle, N. Y. Abrasive strips. Serial No. 391,168; June 14. Class 4.
Atlas Neckwear Company, Philadelphia, Pa. Neckties and mufflers. Serial No. 403,894; June 14. Class 39.
Atlas Powder Company, Wilmington, Del. Hand cleaners. Serial No. 405,285; June 14. Class 4.
Babineau, Albert T., Los Angeles, Calif. Mechanical automotive brakes. Serial No. 404,600; June 14. Class 19.
Bakers' Supply & Equipment Co., St. Paul, Minn. Puffed breakfast cereals. Serial No. 404,160; June 14. Class 46.
Barr, Michael P., New York, N. Y. Insecticides. Serial No. 404,681; June 14. Class 6.
Barrett-Cravens Company, Chicago, Ill. Material handling equipment. Serial No. 390,249; June 14. Class 32.
Belk Brothers Company, Charlotte, N. C. Ladies' hosiery. Serial No. 405,432; June 14. Class 39.
Bettar Ice Cream Co. Incorporated, doing business as Ann Penn Caterers, Baltimore, Md. Ice cream, ices, and sherbets. Serial No. 391,560; June 14. Class 46.
Binks Manufacturing Company, Chicago, Ill. Spray nozzles. Serial No. 400,404; June 14. Class 13.
Bird & Son, Inc., East Walpole, Mass. Floor covering. Serial No. 405,192; June 14. Class 20.
Böhme Fettchemie-Gesellschaft mit beschrankter Haftung, Chemnitz, Germany. Chemical dye aids. Serial No. 404,113; June 14. Class 6.
Bonwit Teller, Inc., New York, N. Y. Coats, capes, scarfs, etc. Serial No 404,629; June 14. Class 39.
Bradford, L. J., doing business as Zero Beverage Co., Fort Worth, Tex. Beverage. Serial No. 402,362; June 14. Class 45.
Bragno, Francesco, doing business as Bragno & Company, Chicago, Ill. Olive oil. Serial No. 405,056; June 14. Class 46.
Bromberg, Joshua, doing business as Brom-Clark Manufacturing Co., St. Louis, Mo. Duplicate reply postal cards. Serial No. 405,339; June 14. Class 37.
Brom-Clark Manufacturing Co. (See Bromberg, Joshua.)
Brown, Andrew, Company, Los Angeles, Calif. Lacquers and enamels. Serial No. 405,479; June 14. Class 16.
Brown-Camp Hardware Company, Des Moines, Iowa. Dry batteries and waffle irons. Serial No. 397,178; June 14. Class 21.
Brown-Camp Hardware Company, Des Moines, Iowa. Lawn sprinklers, spray nozzles, tack assortments. Serial No. 397,177; June 14. Class 13.
Buckley, Newhall Company, The, New York, N. Y. Bed sheets, pillow cases, towels, etc. Serial No. 405,340; June 14. Class 42.
Buddy Boy Nut House, Inc., Chicago, Ill. Nuts and candy. Serial No. 396,445; June 14. Class 46.
Cable Shoes, Inc., Los Angeles, Calif. Leather shoes. Serial No. 402,766; June 14. Class 39.
California Perfume Company, Inc., New York, N. Y. Perfumes and face powder. Serial No. 405,480; June 14. Class 6.
Cameo Corporation, Minneapolis, Minn. Preparation used as a general household cleanser. Serial No. 400,585; June 14. Class 4.
Carlton Mills Co., Inc., Philadelphia, Pa. Woolen piece goods. Serial No. 403,344; June 14. Class 42.
Carnrick, G. W., Co., Newark, N. J. Standardized ovarian hormone preparation. Serial No. 405,549; June 14. Class 6.
Carson Pirie Scott & Company, Chicago, Ill. Dresses. Serial No. 399,920; June 14 Class 39.
Christensen Products Corporation, Weslaco, Tex. Canned grapefruit juice. Serial No. 396,282; June 14. Class 46.
Church & Dwight Co. Inc., New York, N. Y. Baking soda. Serial No. 401,765–8; June 14. Class 46.
Cluett, Peabody & Co. Inc., Troy, N. Y. Underwear. Serial No. 395,400; June 14. Class 39.
Coe Laboratories, Inc., Chicago, Ill. Instrument used in the spraying of dental models. Serial No. 403,117; June 14. Class 44.
Cohen, Goldman & Co. Inc., New York, N. Y. Coats, vests, pants, etc. Serial No. 405,103; June 14. Class 39.
Continental Undergarment Co., Inc., Brooklyn, N. Y. Panties, bloomers, slips, etc. Serial No. 405,240; June 14. Class 39.
Cort Shoes, Inc., Cleveland, Ohio. Shoes. Serial No. 402,666; June 14. Class 39.
Culver, Blaine, doing business as Alberto-Culver, Los Angeles, Calif. Combined yeast and milk beauty mask. Serial No. 404,691; June 14. Class 6.
Curtsy Incorporated, Brooklyn, N. Y. Hand cream, night cream, cold cream, etc. Serial No. 405,768; June 14. Class 6.
Daniel's Knitting Mills, New York, N. Y. Men's and boys' sweaters. Serial No. 403,999; June 14. Class 39.
Davis, A., & Sons, Inc., Jersey City, N. J., and New York, N. Y. Ladies' suits and coats. Serial No. 404,832; June 14. Class 39.
DeLand, C. M., New York, N. Y. Piece goods of wool. Serial No. 405,349; June 14. Class 42.
Desert Citrus Products Association, Tempe, Ariz. Canned citrus juices. Serial No. 404,835; June 14. Class 46.
Dixon, Gilbert W., Rydal, Pa. Harness for fishermen. Serial No. 403,911; June 14. Class 22.
Doncaster Collar and Shirt Company, Inc., Rutherfordton, N. C. Dresses, skirts, blouses, etc. Serial No. 402,087; June 14. Class 39.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Tanners' oil for stuffing leather. Serial No. 401,557; June 14. Class 4.
Durand & Huguenin A. G., Basel, Switzerland. Auxiliary products used in the dyeing and printing of textiles. Serial No. 405,469; June 14. Class 6.
Eagle Clothes, New York, N. Y. Overcoats and topcoats. Serial No. 405,242; June 14. Class 39.
Ehrenberg, Bertram, doing business as B. Ehrenberg Co., New York, N. Y. Textile fabrics. Serial No. 405,770; June 14. Class 42.
Electro Products Company. (See Stewart, Patterson O.)
Elgin National Watch Company, Elgin, Ill. Watches, watch movements and watch cases. Serial No. 404,753; June 14. Class 27.
Ensign Products Company, Cleveland, Ohio. Rope dressing and preserver. Serial No. 405,440; June 14. Class 4.
Esquire Novelty Mfg. Co., Inc., New York, N. Y. Leather wallets, key cases, bill folds. Serial No. 404,484; June 14. Class 3.
Etablissements René Ponty Société en nom collectif, Brussels, Belgium. Needlework packets. Serial No. 403,941; June 14. Class 40.
Etablissements Rigaud Inc., New York, N. Y. Perfumes, toilet waters, face powders, etc. Serial Nos. 402,255–6; June 14. Class 6.
Evans, H. C., & Company, Chicago, Ill. Razor blades and razor blade vending machines. Serial No. 404,299; June 14. Class 23.
Faberge, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. Serial Nos. 404,357–8; June 14. Class 6.
Fetz and Weaver, Chicago, Ill. Board games. Serial No. 391,633; June 14. Class 22.
Fiddler, Earl A., Indianapolis, Ind. Skin ointment. Serial No. 403,508; June 14. Class 6.
Film Flote Co. (See Laymon, Gilbert D.)
Flako Products Corporation, New Brunswick, N. J. Prepared mixture for corn muffins. Serial No. 404,435; June 14. Class 46.
Freedman-Burnham Engineering Corporation, Cincinnati, Ohio. Aeroplane propellers. Serial No. 405,108; June 14. Class 19.
Gardner, P. A., Jr., doing business as Prince Gardner, St. Louis, Mo. Billfolds. Serial No. 403,125; June 14. Class 3.
General Mills, Inc., Minneapolis, Minn. Flour. Serial No. 403,945; June 14. Class 46.
General Motors Corporation, Detroit, Mich. Removable ice trays. Serial No. 404,000; June 14. Class 31.
General Printing Ink Corporation, New York, N. Y. Preparation used in lithographic processes. Serial No. 405,495; June 14. Class 6.
Giumarra Bros., Los Angeles, Calif. Fresh citrus fruits, fresh deciduous fruits, and fresh vegetables. Serial No. 403,408; June 14. Class 46.
Golden Art Hosiery Company, Nashville, Tenn. Hosiery. Serial No. 401,184; June 14. Class 39.

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Goldfarb, Samuel J., New York, N. Y. Dresses. Serial No. 404,308; June 14. Class 39.
Goodrich Electric Company, Chicago, Ill. Unitary electric lighting fixtures. Serial No. 402,581; June 14. Class 21.
Granmatn Trading Corporation, Mount Vernon, N. Y. Automobile seat covers. Serial No. 405,070; June 14. Class 19.
Grammes, L. F., & Sons, Incorporated, Allentown, Pa. Combination hairpin and barrette, and also a hair curler. Serial No. 404,896; June 14. Class 40.
Grocers Service Corporation, Chicago, Ill. Canned vegetables, canned fruits, canned fruit juices, etc. Serial No. 405,504; June 14. Class 46.
Hacienda Flores, Inc., Fort Lauderdale, Fla. Fresh citrus fruits, avocados, papayas, etc. Serial No. 405,442; June 14. Class 46.
Harrie-Drew Company, Inc., New York, N. Y. Paper bands. Serial No. 404,303; June 14.
Hearty, E. W. J., Inc., New York, N. Y. Canned chicken, canned turkey, etc. Serial No. 403,453; June 14. Class 46.
Hearty, E. W. J., Inc., New York, N. Y. Canned chicken. Serial No. 403,454; June 14. Class 46.
Hinners, R. J., Co., Los Angeles, Calif. Automatic machine for vending pre-popped pop-corn. Serial No. 403,768; June 14. Class 23.
Holbrook Pharmacal Company, Inc., New York, N. Y. Ozonide of olive oil. Serial No. 404,046; June 14. Class 6.
Hollingshead, R. M., Corporation, Camden, N. J. Varnish, stains, fillers, etc. Serial No. 405,252; June 14. Class 16.
Hollingshead, R. M., Corporation, Camden, N. J. Adhesive, patching and repair outfits, etc. Serial No. 405,254; June 14. Class 5.
Home Drug Company, Chicago, Ill. Medicine. Serial No. 405,647; June 14. Class 6.
Huttig Sash & Door Company, St. Louis, Mo. Liquid wood preserving substance. Serial No. 405,071; June 14. Class 6.
Ideal Novelty & Toy Company, Long Island City, N. Y. Dolls. Serial No. 404,084; June 14. Class 22.
Imperial Candy Co., Seattle, Wash. Candy. Serial No. 405,555; June 14. Class 46.
International Latex Corporation, Rochester, N. Y. Bathing caps, latex pants for babies, etc. Serial No. 382,980; June 14. Class 39.
Israel, Leon, & Bros., Inc., New York, N. Y. Green coffee. Serial Nos. 404,809–10; June 14. Class 46.
Jeffrey Manufacturing Company, The, Columbus, Ohio. Acid-resisting chains and chain links. Serial No. 404,531; June 14. Class 13.
Jenath Knitwear, Inc., New York, N. Y. Ladies' sweaters. Serial No. 404,929; June 14. Class 39.
Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. Serial No. 405,509; June 14. Class 40.
Kletam Mfg. Co., Wilkes-Barre, Pa. Powdered soap. Serial No. 402,809; June 14. Class 4.
Koppitz-Melchers, Inc., Detroit, Mich. Beer. Serial No. 394,539; June 14. Class 48.
Lane, E. F., & Son, San Francisco, Calif. Honey. Serial No. 404,854; June 14. Class 46.
La Resista Corset Company, The, Bridgeport, Conn. Corsets, corselets, girdles, etc. Serial No. 405,213; June 14. Class 39.
Larus & Brother Company, doing business as Reed Tobacco Company, Branch Larus & Brother Company, Richmond, Va. Cigarettes. Serial No. 401,697; June 14. Class 17.
Laughlin, Homer, China Co., The, Newell, W. Va. Earthenware for table service. Serial No. 402,262; June 14. Class 30.
Laymon, Gilbert D., doing business as Film Flote Co., Miami, Fla. Preparation for removing stains from teeth. Serial No. 404,855; June 14. Class 6.
Lee, Frank H., Company, The, Danbury, Conn. Hats. Serial No. 405,165; June 14. Class 39.
Livingston, L. D., & Sons, New York, N. Y. Knitted dresses, blouses, and sweaters. Serial No. 404,719; June 14. Class 39.
Lizzola, A., Co. Inc., New York, N. Y. Dentifrice. Serial No. 404,995; June 14. Class 6.
Loeser Laboratory, Incorporated, New York, N. Y. Barium compound dispersion. Serial No. 404,943; June 14. Class 6.
Loeser Laboratory, Incorporated, New York, N. Y. Aqueous isotonic solution, oil solution used as a germicide, etc. Serial No. 405,168; June 14. Class 6.
Lubin-Weeker Co., Inc., New York, N. Y. Men's pajamas. Serial No. 405,362; June 14. Class 39.
Machado, Justo R., New York, N. Y. Bathing suits. Serial No. 404,570; June 14. Class 39.
Many, Blanc & Co., Inc., Chicago, Ill. Blended scotch type whiskey, gin, cordials, etc. Serial No. 391,483; June 14. Class 49.
Marshall Field & Company, Chicago, Ill. Radio receiving sets. Serial No. 403,601; June 14. Class 21.
Masson, Paul, Champagne Company, Saratoga, Calif. Wines. Serial No. 404,318; June 14. Class 47.
Match King, Inc., Chicago, Ill. Electric razors. Serial No. 404,947; June 14. Class 23.
Maynes, Hyla F., North Tonawanda, assignor to Spiral Wind Fish Reel Company, Inc., Buffalo, N. Y. Fishing reels. Serial No. 380,217; June 14. Class 22.
McCulloch, Harold W., Belleville, N. J. Detergent preparation. Serial No. 404,321; June 14. Class 4.
McGreevey, Werring & Howell, Inc. Liquefying cleansing cream, antiseptic mouth wash, etc. Serial No. 402,133; June 14. Class 6.
McKim, Orville E., Port Chester, N. Y. Cleansing preparation. Serial No. 405,216; June 14. Class 4.
Menasha Products Company, Menasha, Wis. Paper tape, stickers, tabs, etc. Serial No. 405,400; June 14. Class 37.
Mid-West Tobacco Co., The, Cincinnati, Ohio. Chewing tobacco and smoking tobacco. Serial No. 402,783; June 14. Class 17.
Montreal Orange Bottling Company Limited, Montreal, Quebec, Canada. Carbonate drink. Serial No. 405,563; June 14. Class 45.
Mount Carbon Manufacturing and Supply Company, doing business as Mt. Carbon Brewery, Pottsville, Pa. Beer. Serial No. 405,457; June 14. Class 48.
Morris, Charles S., New York, N. Y. Foot lotion. Serial No. 405,031; June 14. Class 6.
Mutual Orange Distributors, Redlands, Calif. Canned citrus fruits and canned citrus fruit juices. Serial No. 401,503; June 14. Class 46.
Neatform Co., Inc., The, New York, N. Y. Foundation garments. Serial No. 403,609; June 14. Class 39.
Newton, Frank H., doing business as Vib-Ray-Ped Sales Co., Los Angeles, Calif. Electric vibrators. Serial No. 388,406; June 14. Class 44.
O'Connor, Michael J., Alliance, Nebr. Medicinal ointment. Serial No. 400,244; June 14. Class 6.
Oliver, Ernest T., Houston, Tex. Hosiery, neckties, and underwear. Serial No. 403,557; June 14. Class 39.
One Minute Washer Company, Newton, Iowa. Washing machines and parts thereof. Serial No. 361,831; June 14. Class 24.
Pauker Brothers, New York, N. Y. Mufflers, bathing suits, hosiery, etc. Serial No. 397,050; June 14. Class 39.
Peck, Stow & Wilcox Company, The, Southington, Conn. Awls, axes, bits, etc. Serial No. 396,999; June 14. Class 23.
Peerless Sporting Goods Co. (See Silverman, Abraham J.)
Penn, Ann, Caterers. (See Bettar Ice Cream Co., Incorporated.)
Pepperell Manufacturing Company, Boston, Mass. Chintz and drapery piece goods. Serial No. 405,129; June 14. Class 42.
Perry Knitting Company, The, Perry, N. Y. Sweat shirts, sweaters, sweater coats, etc. Serial No. 404,928; June 14. Class 39.
Pervel Corporation, New York, N. Y. Pillow cases. Serial No. 405,523; June 14. Class 42.
Pillsbury, Howard E., Newbury, Newburyport, Mass. Soap, washing powder and hand-cleaning paste. Serial No. 404,135; June 14. Class 4.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paint coating for surfaces. Serial No. 404,263; June 14. Class 16.
Pond's Extract Company, New York, N. Y. Skin cream. Serial No. 394,953; June 14. Class 6.
Pratt Food Company, Philadelphia, Pa. Preparation for poultry. Serial No. 405,035; June 14. Class 6.
Prince Gardner. (See P. A. Gardner, Jr.)
Pynosol Laboratories, Inc., Chicago, Ill. Antiseptic water-soluble jelly for intrauterine treatment, etc. Serial No. 403,224; June 14. Class 6.
Rawlplug Company, Inc., The, New York, N. Y. Drive masonry expansion pins. Serial No. 389,964; June 14. Class 13.
Red Line Commercial Company, Inc., New York, N. Y. Canned crab-meat. Serial No. 363,822; June 14. Class 46.
Reed Tobacco Company, Branch Larus & Brother Company. (See Larus & Brother Company.)
Regal Paper Co., Inc., Pulaski, N. Y. Women's aprons made of paper. Serial No. 396,337; June 14. Class 39.
Reliable Textile Company, The, Chicago, Ill. Goods for artificial leather. Serial No. 404,450; June 14. Class 50.
Reynolds Metals Company, New York, N. Y. Collapsible displays. Serial No. 395,383; June 14. Class 21
Saks & Company, New York, N. Y. Women's and misses' blouses. Serial No. 404,378; June 14. Class 39.
Salinas Brewing & Ice Company, Salinas, Calif. Lager beer. Serial No. 405,462; June 14. Class 48.
Salus, Walter J., assignor to A. Salus & Son, Inc., Philadelphia, Pa. Canned fruits and canned vegetables, coffee, etc. Serial No. 389,750; June 14. Class 46.
Salsol Company, The, Fort Worth, Tex. Preparation for relief of athlete's foot. Serial No. 404,585; June 14. Class 6.
Schweitzer, Louis, doing business as Zest Laboratories, Baltimore, Md. Greaseless skin cream. Serial No. 390,027; June 14. Class 6.



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Schowanek, Hans, doing business as J. Schowanek, Albrechtsdorf bei Gablons a. N., Czechoslovakia. Handbags or reticules. Serial No. 403,157; June 14. Class 3.
Seminole Paper Corporation, Chicago, Ill. Toilet paper. Serial No. 405,322; June 14. Class 37.
Shu-Stiles, Incorporated, St. Louis, Mo. Women's shoes. Serial No. 401,354; June 14. Class 39.
Silverman, Abraham J., doing business as Peerless Sporting Goods Co., New York, N. Y. Golf clubs, baseball bats, hockey sticks, etc. Serial No. 404,781; June 14. Class 22.
Simpson, Wm., Sons & Co., Inc., Philadelphia, Pa. Outer shirts. Serial No. 404,957; June 14. Class 39.
Sinesal Company, Inc., Philadelphia, Pa. Acid mineral tonic. Serial No. 405,464; June 14. Class 6.
Smith, G. Edwin, Shoe Company, The, Columbus, Ohio. Women's shoes. Serial No. 401,681; June 14. Class 39.
Sociedad Anonima Auxiliar Fabril Agricola & Comercial, Buenos Aires, Argentina. Yerba mate. Serial No. 389,269; June 14. Class 46.
Society of Chemical Industry in Basle, Basel, Switzerland. Preparation having an action on the circulation of the blood. Serial No. 404,916; June 14. Class 6
Society of Chemical Industry in Basle, Basel, Switzerland. Preparation for the treatment of menopausal disturbances. Serial No. 404,917; June 14. Class 6.
Societe de Recherches Chimiques et d'Applications Industrielles (Sorchap) Société Anonyme, Paris, France. Eye lotion and treatment for mild affections of the eyes. Serial No. 405,325; June 14. Class 6.
Spiral Wind Fish Reel Company, Inc. (See Maynes, Hyla F., assignor.)
Stebbins, Albert H., Jr., doing business as Sterling Laboratories, Little Rock, Ark. Paints, varnishes, lacquers, etc. Serial No. 393,879; June 14. Class 16.
Sterling Laboratories. (See Stebbins, Albert H., Jr.)
Stern & Stern Textile Importers, Inc., New York, N. Y. Silk piece goods. Serial No. 405,673; June 14. Class 42.
Stetson, John B., Company, Philadelphia, Pa. Hats and caps. Serial No. 404,730; June 14. Class 39.
Stewart, Patterson O., doing business as Electro Products Company, New York, N. Y. Chemical solvent for dissolving sludge and gums formed by oils Serial No. 405,529; June 14. Class 6.
Stoody Company, Whittier, Calif. Welding rods. Serial No. 405,575; June 14. Class 14.
Story Doctor Co., The, Seattle, Wash. Plastic disc sound records. Serial No. 397,389; June 14. Class 36.
Strauss Bros. & Co., New York, N. Y. Needles for hand use. Serial No. 405,226; June 14. Class 40
Swofford, Peter J., Graham, Tex. Holders for bottles, cans, etc. Serial No. 405,576; June 14. Class 2.
Taylor, Lowenstein & Company, Mobile, Ala. Turpentine, gum spirits of turpentine. Serial No. 405,002; June 14. Class 16.
Taylor, William L., Philadelphia, Pa. Index or filing cards. Serial No. 403,101; June 14. Class 37.
Thurston Cutting Corporation, New York, N. Y. Cut fabric tape. Serial No. 402,209; June 14. Class 40.
United Sheeplined Clothing Co., Long Branch, N. J. Leather and fabric coats and jackets. Serial No. 403,482; June 14. Class 39.
U. S. Standard Products Company, Woodworth, Wis. Bacterial vaccine. Serial No. 403,840–7; June 14. Class 6.
Vereinigte Deutsche Metallwerke Aktiengesellschaft, Frankfort-on-the-Main-Heddernheim, Germany. Surface covering metals in the form of strips, sheets, and plates. Serial No. 402,832; June 14. Class 14.
Vib-Ray-Ped Sales Co. (See Newton, Frank H.)
Vick Chemical Company, New York, N. Y. Laxative tablets. Serial No. 404,388; June 14. Class 6.
Webster, F. S., Company, Cambridge, Mass. Carbon paper. Serial No. 405,329; June 14. Class 11.
Western Leather Clothing Company, St. Louis, Mo. Lumber jackets. Serial No. 405,187; June 14. Class 39.
Whitin Machine Works, Whitinsville, Mass. Roving frames and spinning frames. Serial No. 391,253; June 14. Class 23.
Whitson Products Co., Inc., Brooklyn, N. Y. Chocolate flavored powder. Serial No. 404,738; June 14. Class 46.
Whittenton Manufacturing Company, Boston, Mass. Cotton and rayon piece goods, cotton and rayon blankets, etc. Serial No. 405,674; June 14. Class 42.
Wood, Alan, Steel Company, Conshohocken, Pa. Steel plates and sheets. Serial No. 404,555; June 14. Class 14.
Worthington, Geo., Company, The, Cleveland, Ohio. Paints, paint enamel, varnish, etc. Serial No. 391,834; June 14. Class 16.
Worthington, Geo., Company, The, Cleveland, Ohio. Electric washing machines, gasoline washers for dry cleaning, etc. Serial No. 391,842; June 14. Class 24.
Zero Beverage Co. (See Bradford, L. J.)
Zest Laboratories. (See Schweitzer, Louis.)

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Landsbrugministeriet, Copenhagen, Denmark. Meats and meat products. Serial No. 390,374; June 14. Class 46.

# LIST OF REGISTRANTS OF TRADE-MARKS

Aga Stove Company, Elizabeth, N. J. Heating apparatus. 357,764; June 14; Serial No. 401,127; published Apr. 5, 1938. Class 34.
Air Cooled Motors Corporation, Syracuse, N. Y. Internal combustion engines and parts thereof. 357,881; June 14. Class 23.
Allen, Sloan, doing business as Lifta Laboratories, Omaha, Nebr. Nervine. 357,726; June 14; Serial No. 399,641; published Mar. 22, 1938. Class 6.
American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Pumps. 357,776; June 14; Serial No. 401,464; published Apr. 5, 1938. Class 23.
American Chain & Cable Company, Inc., Bridgeport, Conn. Wire rope and wire strand. 357,887; June 14. Class 7.
American Sales Book Company, Inc., Niagara Falls and Elmira, N. Y. Record forms. 357,677–9; June 14; Serial Nos. 387,533–5; published Mar. 1, 1938. Class 37.
American Tropical Products Company, Inc., New York, N. Y. Mole remover solution, shampoo, and face powder. 357,697; June 14; Serial No. 395,468; published Oct. 26, 1937. Class 6.
A. P. W. Paper Company, Inc., Albany, N. Y. Sanitary liners for diapers. 357,745; June 14; Serial No. 400,545; published Apr. 5, 1938. Class 44.
Armstrong, Walton W., doing business as Casode Remedy Company, Akron, Ohio. Diabetic medicine. 357,728; June 14; Serial No. 399,697; published Mar. 22, 1938. Class 6.
Art Wire and Stamping Company, Newark, N. J. Swivels, safety snap swivels, etc. 357,853; June 14; Serial No. 403,030; published Apr. 5, 1938. Class 22.
Auto Specialties Manufacturing Company, Inc., St. Joseph, Mich. Portable apparatus adapted for various uses, such as an automobile jack, for towing, etc. 357,676; June 14; Serial No. 387,261; published Apr. 5, 1938. Class 23.
Barrett Company, The, New York, N. Y. Filler for seams and joints in roadways. 357,794; June 14; Serial No. 401,687; published Mar. 29, 1938. Class 12.
Beck, Edwin F., doing business as Hollywood Kum-fee Curler Pad Co., Los Angeles, Calif. Hair curler pads. 357,752; June 14; Serial No. 400,750; published Apr. 5, 1938. Class 40.
Beer, William J., Company, Inc., New York, N. Y. Metal fittings for skis; metal ski edges, etc. 357,877; June 14. Class 22.
Bella and Company, Inc., New York, N. Y. Inner spring core construction. 357,874; June 14. Class 32.
Bendix, Jacob, New York, N. Y. Compound used in the finishing of textile fabrics, etc. 357,740; June 14; Serial No. 400,403; published Mar. 22, 1938. Class 6.
Bitu-Rock Corporation, Merchantville, N. J., and Philadelphia, Pa. Bituminous road-surfacing materials. 357,798; June 14; Serial No. 401,884; published Apr. 5, 1938. Class 12.
Blue Ridge Glass Corporation, Kingsport, Tenn. Glass. 357,803–4; June 14; Serial Nos. 402,055–6; published Apr. 5, 1938. Class 33.
Borden Company, The, New York, N. Y. Butter, cheese, and eggs. 357,806; June 14; Serial No. 402,113; published Apr. 5, 1938. Class 46.
Boston Leather Specialties Inc., Everett, Mass. Cushions, pads, and seats. 357,694; June 14; Serial No. 394,157; published Apr. 5, 1938. Class 32.

Bradley, Milton, Company, Springfield, Mass. Card game. 357,858; June 14; Serial No. 403,801; published Apr. 5, 1938. Class 22.

Broom and Newman, New York, N. Y. Shirts and pajamas. 357,830; June 14; Serial No. 402,508; published Apr. 5, 1938. Class 39.

Buck & Stoddard, Inc., Los Angeles, Calif. Commercial calcium carbonate. 357,824; June 14; Serial No. 402,412; published Mar. 29, 1938. Class 6.

Bullock's, Inc., Los Angeles, Calif. Toilet waters. 357,681; June 14; Serial No. 389,674; published Mar. 22, 1938. Class 6.

Butcher Polish Company, The, Boston, Mass. Finish and polish for floors and other woodwork. 121,587–9; renewed May 14, 1938.

Calgon Incorporated, Pittsburgh, Pa. Chemical compound. 357,703; June 14; Serial No. 396,222; published Mar. 29, 1938. Class 6.

Can-U-Til-Lo Company, The. (See Davis, Warren J.)

Carafiol, Alex, Inc., St. Louis, Mo. Dresses, frocks, and blouses. 357,885; June 14. Class 39.

Carbolineum Wood Preserving Co., Milwaukee, Wis. Anthracene-oil wood-stain. 122,782; renewed Sept. 17, 1938.

Casade Remedy Company. (See Armstrong, Walton W.)

Cascade Sprayer Co., Inc., Seattle, Wash. Germicide. 357,729; June 14; Serial No. 399,824; published Mar. 29, 1938. Class 6.

Century Tea & Coffee Company. (See Sohm, Joseph A.)

Certain-Teed Products Corporation, New York, N. Y. Roofing, shingles, and siding of felt base. 357,783; June 14; Serial No. 401,554; published Mar. 29, 1938. Class 12.

Chapman Valve Manufacturing Company, Indian Orchard, Mass. Chemical compounds. 357,765; June 14; Serial No. 401,294; published Mar. 22, 1938. Class 6.

Charles of the Ritz, Inc., New York, N. Y. Perfume and eau de cologne. 357,766; June 14; Serial No. 401,295; published Feb. 22, 1938. Class 6.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Oilers; oil guns, grease guns, and tire pumps. 357,833; June 14; Serial No. 402,554; published Apr. 5, 1938. Class 23.

Chase & Sanborn, Boston, Mass., assignor, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Coffee. 122,331; renewed Oct. 29, 1938.

Chase-Shawmut Company, The, Newburyport, Mass. Electric fuses, and fusible links therefor. 357,864; June 14. Class 21.

Christians, H. C., Co., Johnson Creek, Wis. Butter. 357,875; June 14. Class 46.

Cincinnati Fly Screen Co., The, Cincinnati, Ohio. Fly screens. 357,772; June 14; Serial No. 401,371; published Mar. 29, 1938. Class 12.

Cline, Winfield E., doing business as Cline Advertising Service, Boise, Idaho. Advertising material. 357,840; June 14; Serial No. 402,679; published Apr. 5, 1938. Class 38.

Colline, Clyde, Liquors, Inc., West Memphis, Ark. Whiskey, dry gin, fruit gins, etc. 357,809; June 14; Serial No. 402,178; published Mar. 1, 1938. Class 49.

Congoleum Company, The, Philadelphia, Pa., assignor to Congoleum-Nairn Inc., Kearny, N. J. Floor-coverings. 123,332; renewed Oct. 29, 1938.

Continental Steel Corporation, Kokomo and Indianapolis, Ind., and Canton, Ohio. Nails in kegs. 357,799; June 14; Serial No. 401,923; published Apr. 5, 1938. Class 13.

Correct Garment Co., Inc., New York, N. Y. Skirts. 357,816; June 14; Serial No. 402,291; published Apr. 5, 1938. Class 39.

Crompton Company, West Warwick, R. I. Corduroy fabrics. 357,814; June 14; Serial No. 402,251; published Apr. 5, 1938. Class 42.

Crookes Laboratories, Incorporated, The, New York, N. Y. Medicinal preparation. 357,732; June 14; Serial No. 399,995; published Mar. 22, 1938. Class 6.

Cu-Rite Products Co., Philadelphia, Pa. Curing solutions and curing powders. 357,734; June 14; Serial No. 400,087; published Mar. 29, 1938. Class 6.

Curtis-Stephens-Embry Co., Reading, Pa. Shoes. 357,739; June 14; Serial No. 400,225; published Mar. 15, 1938. Class 39.

Curtiss Candy Company, The, Chicago, Ill. Candy. 357,917; June 14; Serial No. 402,331; published Mar. 29, 1938. Class 46.

Darco Corporation, Wilmington, Del. Refrigerator deodorant. 357,781; June 14; Serial No. 401,523; published Mar. 29, 1938. Class 6.

Davidson Bros., New York, N. Y. Petticoats, slips, bed jackets, etc. 357,715; June 14; Serial No. 398,759; published Apr. 5, 1938. Class 39.

Davis, Warren J., doing business as The Can-U-Til-Lo Company, Camden, N. J. Herb preparation. 357,689; June 14; Serial No. 392,956; published Mar. 22, 1938. Class 6.

Dawn, Rose, Del Rio, Tex. Perfume. 357,724; June 14; Serial No. 399,604; published Mar. 22, 1938. Class 6.

Denney, Frances, Philadelphia, Pa. Toilet preparations. 357,777; June 14; Serial No. 401,472; published Mar. 29, 1938. Class 6.

De Vries, Jeanne, doing business as Jeanne Doré, New York, N. Y. Facial creams, face powder, rouge, etc. 357,688; June 14; Serial No. 392,749; published Feb. 15, 1938. Class 6.

Dewey and Almy Chemical Company, Cambridge, Mass. Bladders for playballs, etc. 357,860; June 14; Serial No. 403,362; published Apr. 5, 1938. Class 22.

Dick, A. B., Company, Chicago, Ill. Stylll. 357,828; June 14; Serial No. 402,440; published Apr. 5, 1938. Class 37.

Diehl Manufacturing Company, Elizabeth, N. J. Electric fans. 357,807; June 14; Serial No. 402,117; published Apr. 5, 1938. Class 21.

Dixie Specialty Company. (See Knight, J. B., Sr.)

Dixon and Dumbolton, Spokane, Wash. Electrical therapeutic machines. 357,690; June 14; Serial No. 393,360; published Apr. 5, 1938. Class 44.

Dobeckmun Company, The, Cleveland, Ohio. Bags, merchandise envelopes, etc. 357,746; June 14; Serial No. 400,685; published Apr. 5, 1938. Class 2.

Domanhoe, Ollie N., doing business as The Spinalator Company, Asheville, N. C. Mechanical treatment table. 357,815; June 14; Serial No. 402,252; published Apr. 5, 1938. Class 44.

Doré, Jeanne. (See de Vries, Jeanne.)

Drummer Boy Dental Products Co. (See Kohlberg, George, Jr.)

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Activated animal pro-vitamin D. 357,822; June 14; Serial No. 402,365; published Mar. 29, 1938. Class 6.

Duralatex Company. (See Steigman, Ruth.)

Eagle Pencil Company, New York, N. Y. Wood cased lead pencils. 357,750; June 14; Serial No. 400,724; published Apr. 5, 1938. Class 37.

Economy Nursery Company. (See Lovett, John T., Jr.)

Elder Manufacturing Company, St. Louis, Mo. Clothing. 123,335; renewed Oct. 29, 1938.

Elgin National Watch Company, Elgin, Ill. Hair springs. 357,852; June 14; Serial No. 403,004; published Apr. 5, 1938. Class 27.

Ely & Walker Dry Goods Company. (See Finch, Van Slyck & McConville, assignor.)

Empire Candle Works, Inc., Brooklyn, N. Y. Candles. 357,774; June 14; Serial No. 401,431; published Mar. 15, 1938. Class 15.

Empire Electric Brake Corporation, Dover, Del. Vehicle brakes and parts thereof. 357,842; June 14; Serial No. 402,720; published Apr. 5, 1938. Class 19.

English Needle & Fishing Tackle Company Limited, The, Studley, England. Surgical needles. 357,784; June 14; Serial No. 401,561; published Apr. 5, 1938. Class 44.

Federated Foods, Inc., Wilmington, Del., and San Francisco, Calif. Canned fruits. 357,793; June 14; Serial No. 401,663; published Apr. 5, 1938. Class 46.

Feltham, F. J., doing business as Major General Company, Scranton, Pa. Card game. 357,747; June 14; Serial No. 400,638; published Apr. 5, 1938. Class 22.

Finch, Van Slyck & McConville, St. Paul, Minn., assignor, by mesne assignments, to Ely & Walker Dry Goods Company, St. Louis, Mo. Overalls. 123,221; renewed Oct. 22, 1938.

Fink, Samuel, Utica, N. Y. Sporting apparel. 357,866; June 14. Class 39.

Firmenich & Co., Inc., New York, N. Y. Essential oils. 357,717–8; June 14; Serial Nos. 398,840–1; published Mar. 22, 1938. Class 6.

Fisher, Max, New York, N. Y. Organdy piece goods. 357,762; June 14; Serial No. 401,105; published Apr. 5, 1938. Class 42.

Florida Citrus Canners Cooperative, Lake Wales, Fla. Canned grapefruit, canned grapefruit juices for food purposes. 357,755; June 14; Serial No. 400,834; published Feb. 22, 1938. Class 46.

Fox Head Waukesha Corporation. (See Milwaukee-Waukesha Brewing Company.)

Frank & Meyer Neckwear Company, St. Louis, Mo. Neckwear. 357,741; June 14; Serial No. 400,409; published Mar. 15, 1938. Class 39.

Fuller Products Co., Chicago, Ill. Spices and compounds. 357,884; June 14. Class 46.

Gabriel, Saml., Sons & Company, New York, N. Y. Checkers. 357,855; June 14; Serial No. 403,126; published Apr. 5, 1938. Class 22.

Gallon Metallic Vault Company, The, doing business as Hercules Steel Products Company, Galion, Ohio. Dump bodies. 357,686; June 14; Serial No. 391,421; published Aug. 3, 1937. Class 19.

Gem Products Sales Co. (See Seibert Mfg. Company, assignor.)

General Distilleries Corporation, Hartford, Conn. Gin. 357,667; June 14; Serial No. 356,031; published Oct. 16, 1934. Class 49.

General Mills, Inc., Minneapolis, Minn. Flour. 357,805; June 14; Serial No. 402,090; published Apr. 5, 1938. Class 46.

General Mills, Inc., Minneapolis, Minn. Flour. 357,836; June 14; Serial No. 402,628; published Apr. 5, 1938. Class 46.

General Motors Corporation, Detroit, Mich. Automobiles and structural parts thereof. 357,875; June 14; Serial No. 386,835; published Apr. 5, 1938. Class 19.

General Woodenware Corporation. (See Wausau Manufacturing Co.)

Genting, A. H., Company, Philadelphia, Pa. Shoes. 357,711; June 14; Serial No. 397,658; published Mar. 1, 1938. Class 39.

Gilbert, William A., Milwaukee, Wis. Permanent waving pads. 357,731; June 14; Serial No. 399,928; published Apr. 5, 1938. Class 44.



Gilbert, Woodland H., doing business as Zephyr Laboratories, St. Paul, Minn. Tampons. 357,831; June 14; Serial No. 402,518; published Apr. 5, 1938. Class 44.

Gillette Safety Razor Company, Boston, Mass. Astringents, beauty creams, bath salts, etc. 357,683; June 14; Serial No. 389,963; published Mar. 22, 1938. Class 6.

Globe Fur & Novelty Co., Chicago, Ill. Dyed coney fur coats and fur garments. 357,872; June 14. Class 39.

Glorious Sportswear Corp., New York, N. Y. Dresses. 357,834; June 14; Serial No. 402,563; published Apr. 5, 1938. Class 39.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Rain capes, coats, suits, hats, etc. 357,773; June 14; Serial No. 401,383; published Apr. 5, 1938. Class 39.

Goodrich, B. F., Company, The, Akron, Ohio, and New York, N. Y. Tar remover, hydraulic brake fluid, etc. 357,785; June 14; Serial No. 401,568; published Mar. 22, 1938. Class 6.

Goodrich, B. F., Company, The, Akron, Ohio, and New York, N. Y. Automobile greases and oils and colloidal graphite lubricant. 357,786; June 14; Serial No. 401,569; published Mar. 29, 1938. Class 15.

Guttman, Joseph, & Bros., Inc., New York, N. Y. Knitted dresses, skirts, blouses, etc. 357,836; June 14. Class 39.

Hammer Food Products Corporation, doing business as Hammer Beverages, Brooklyn, N. Y. Beverages and syrups and extracts for making the same. 357,702; June 14; Serial No. 401,008; published Feb. 22, 1938. Class 45.

Hansen, John, Davenport, Iowa. Bread slicing machines. 357,818; June 14; Serial No. 402,534; published Apr. 5, 1938. Class 23.

Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. Dairy preparations. 357,702; June 14; Serial No. 395,993; published Mar. 29, 1938. Class 6.

Hartford City Paper Company, Hartford City, Ind. Aluminum coated paper and a grease and moisture resistant heat insulating paper. 357,845; June 14; Serial No. 402,817; published Apr. 5, 1938. Class 37.

Hartness, Tom P., doing business as Hartness Bottling Works, Spartanburg, S. C. Beverages and rootbeer. 357,856; June 14; Serial No. 403,128; published Apr. 5, 1938. Class 46.

Harvard Brewing Co., Lowell, Mass. Malt beverages. 357,664; June 14; Serial No. 345,336; published Mar. 22, 1938. Class 49.

Haskelite Manufacturing Corporation, Grand Rapids, Mich., to Haskelite Manufacturing Corporation, Chicago, Ill. Laminated wood. 122,211; renewed July 9, 1938.

Hawley, Katharine, New York, N. Y. Magazines and periodicals. 357,682; June 14; Serial No. 389,789; published Apr. 5, 1938. Class 38.

Heaton, Harry G., doing business as Ulcitone Laboratories, Eaton Rapids, Mich. Alkaliser-antacid preparation. 357,749; June 14; Serial No. 400,693; published Mar. 22, 1938.

Hercules Steel Products Company. (See Gallon Metallic Vault Company, The.)

Hess, George, Co. Inc., New York, N. Y. Dresses. 357,725; June 14; Serial No. 399,621; published Apr. 5, 1938. Class 39.

Hi-Flier Manufacturing Company, The, Decatur, Ill. Kites, gliders, and toy aeroplanes. 357,854; June 14; Serial No. 403,043; published Apr. 5, 1938. Class 22.

Hinkle, John H., Redlands, Calif. Fresh oranges. 357,665; June 14; Serial No. 347,040; published Mar. 8, 1938. Class 46.

Hollywood Kum-fee Curler Pad Co. (See Beck, Edwin F.)

Home Helpers Co. (See Wittman, Hugo.)

Hoopes, Bro. & Darlington, Incorporated, West Chester, Pa. Vehicles somewhat similar to sleds or toboggans. 357,862; June 14; Serial No. 403,500; published Apr. 5, 1938. Class 22.

Hospital Specialty Company, Whitewater, Wis. Medicators. 357,810; June 14; Serial No. 402,185; published Apr. 5, 1938. Class 44.

Hutchison, Miller R., doing business as V-Seat Company, New York, N. Y. Seat cushions. 357,722; June 14; Serial No. 399,092; published Apr. 5, 1938. Class 32.

Industrial Oil Corporation, Warren, Pa. Lubricating oils and greases. 357,813; June 14; Serial No. 402,222; published Mar. 29, 1938. Class 15.

J. D. Compound Co., The. (See Smith, James L.)

Joa, Curt G., Inc., Sheboygan Falls, Wis. Sanitary napkins. 357,846; June 14; Serial No. 402,910; published Apr. 5, 1938. Class 44.

Joanne Jr.-Elan Bros. Inc., New York, N. Y. Dresses, coats, and suits. 357,869; June 14. Class 39.

Jones, Howard E., & Company, Baltimore, Md. Canned peas. 357,890; June 14. Class 46.

Justerini & Brooks Limited, doing business as Justerini & Brooks, London, England. Wines. 357,800; June 14; Serial No. 402,007; published Apr. 5, 1938. Class 47.

Kappa Kappa Kappa, Inc., Frankfort, Ind. Fraternity badges, lapel buttons, cuff links, etc. 357,819; June 14; Serial No. 402,337; published Apr. 5, 1938. Class 28.

Kemp, E. F., Inc., Somerville, Mass. Chocolate covered candies. 357,716; June 14; Serial No. 396,774; published Feb. 8, 1938. Class 46.

Kenyon Sales Corp., New York, N. Y. Piece goods. 357,848; June 14; Serial No. 402,944; published Apr. 5, 1938. Class 42.

Kewple Lingerie Inc., New York, N. Y. Slips. 357,672; June 14; Serial No. 385,737; published Mar. 9, 1937. Class 39.

K. G. Remedies, Inc., Brooklyn, N. Y. Pharmaceutical preparation. 357,746; June 14; Serial No. 400,555; published Mar. 22, 1938. Class 6.

Kitchen Art Foods Inc., Chicago, Ill. Dry mix used for preparing soup. 357,707; June 14; Serial No. 397,081; published Apr. 5, 1938. Class 46.

Knickerbocker Clothing Co., St. Louis, Mo. Men's and boys' clothing. 357,796; June 14; Serial No. 401,819; published Apr. 5, 1938. Class 39.

Knight, J. B., Sr., doing business as Dixie Specialty Company, Tampa, Fla. Liquid preparation used for the treatment of ground itch, etc.; general tonics, etc. 357,751; June 14; Serial No. 400,742; published Mar. 22, 1938. Class 6.

Kohlberg, George, Jr., doing business as Drummer Boy Dental Products Co., St. Louis, Mo. Dentifrice. 357,837; June 14; Serial No. 402,638; published Mar. 29, 1938. Class 6.

Kraus Bros. & Co., Inc., New York, N. Y. Whiskies, gins, and alcoholic cordials. 357,883; June 14. Class 49.

Laboratorios Cabeza, S. A., Mexico, D. F., Mexico. General antiseptic and antitoxic medicines. 357,696; June 14; Serial No. 395,451; published Mar. 29, 1938. Class 6.

La Pointe Lyons Lynn, Inc., Lynn, Mass. Preparation for the relief of pain in arthritis, etc. 357,823; June 14; Serial No. 402,378; published Mar. 29, 1938. Class 6.

Larkin, Lester U., Inc., Baltimore, Md. Refrigerating apparatus and parts therefor. 357,843; June 14; Serial No. 402,727; published Apr. 5, 1938. Class 31.

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. 357,820; June 14; Serial No. 402,339; published Mar. 29, 1938. Class 6.

Lelong, Lucien, Inc., Chicago, Ill. Empty vanity cases, rouge boxes, compact boxes, etc. 357,844; June 14; Serial No. 402,781; published Apr. 5, 1938. Class 2.

Lifts Laboratories. (See Allen, Sloan.)

Lion Oil Refining Company, El Dorado, Ark. Lubricating oils. 357,685; June 14; Serial No. 391,076; published Mar. 22, 1938. Class 15.

Lion Oil Refining Company, El Dorado, Ark. Lubricating oils. 357,687; June 14; Serial No. 391,578; published Mar. 22, 1938. Class 15.

Lipe, Joseph, doing business as Jos. Lipic Pen Co., St. Louis, Mo. Pocket keyholders. 357,878; June 14. Class 13.

Loose-Wiles Biscuit Company, assignor to Loose-Wiles Biscuit Company, Kansas City, Mo. Crackers. 122,328; renewed July 23, 1938.

Lovett, John T., Jr., doing business as Economy Nursery Company, Little Silver, N. J. Soils. 357,743; June 14; Serial No. 400,513; published Apr. 5, 1938. Class 1.

Lowe, Joe, Corporation, New York, N. Y. Handle sticks for confectionery products. 357,767; June 14; Serial No. 401,309; published Mar. 1, 1938. Class 13.

Mallinckrodt Chemical Works, St. Louis, Mo. Supplement for animal feeds. 357,787; June 14; Serial No. 401,578; published Mar. 29, 1938. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Mixture of calomel and corrosive sublimate. 357,788; June 14; Serial No. 401,579; published Mar. 29, 1938. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Hydrogen peroxide. 357,789; June 14; Serial No. 401,581; published Mar. 29, 1938. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Acetic anhydride, acetone, acid acetic, etc. 357,790; June 14; Serial No. 401,582; published Mar. 29, 1938. Class 6.

Mallory, P. R., Co., Inc., Indianapolis, Ind. Electric rectifier-type A. C. to D. C. power converters, electric battery chargers, etc. 357,701; June 14; Serial No. 395,922; published Mar. 29, 1938. Class 21.

Major General Company. (See Feltham, F. J.)

Marvel Maid Garment Co., Lima, Ohio. Pajamas, nightgowns, kimonos, etc. 357,871; June 14. Class 39.

Master Separator and Valve Co., Los Angeles, Calif. Separators, mixer heads, and gas traps. 357,668; June 14; Serial No. 380,916; published Apr. 5, 1938. Class 13.

May Department Stores Company, The, New York, N. Y.; Baltimore, Md.; Akron and Cleveland, Ohio; Denver, Colo.; Los Angeles, Calif.; and St. Louis, Mo. Clothes washing machines and ironing tables. 357,865; June 14. Class 24.

Maynes, Hyla F., North Tonawanda, assignor to Spiral Wind Fish Reel Company, Inc., Buffalo, N. Y. Fishing reels. 357,663; June 14; Serial No. 380,219; published Apr. 12, 1938. Class 22.

McCormick & Co., Incorporated, Baltimore, Md. Tapioca and mayonnaise dressing. 121,467; renewed Apr. 30, 1938.

McKesson & Robbins, Incorporated, Fairfield, Conn. Tooth paste, hair and scalp preparations, powders, etc. 357,713; June 14; Serial No. 398,253; published Jan. 4, 1938. Class 6.

Medusa Portland Cement Company, Cleveland, Ohio. Portland cement. 357,756; June 14; Serial No. 400,848; published Feb. 15, 1938. Class 12.

Menachof, Bert, doing business as Natural Laboratories, Cincinnati, Ohio. Liquid preparation for colds, fever, and chills. 357,811; June 14; Serial No. 402,194; published Mar. 29, 1938. Class 6.
Metalfield Incorporated, Long Island City, N. Y. Hair brushes. 357,670; June 14; Serial No. 383,892; published Apr. 5, 1938. Class 29.
Metsap Chemical Company, Harrison, N. J. Ingredient used as a lubricant base. 357,691; June 14; Serial No. 393,438; published Mar. 22, 1938. Class 6.
Midway Corporation, Sarasota, Fla. Fresh citrus fruits. 357,758; June 14; Serial No. 400,985; published Apr. 5, 1938. Class 46.
Miller Art Co. Inc., Brooklyn, N. Y. Combination metal greeting card display and filing cabinet. 357,705; June 14; Serial No. 397,044; published Apr. 5, 1938. Class 32.
Milwaukee-Waukesha Brewing Company, Waukesha, now by change of name Fox Head Waukesha Corporation, Milwaukee, Wis. Cereal beverage. 123,373; renewed Oct. 29, 1938.
Mission Dry Corporation, Los Angeles, Calif. Fruit juice concentrates (synthetic). 357,778; June 14; Serial No. 401,496; published Apr. 5, 1938. Class 46.
Montgomery Chemical Company, Los Angeles, Calif. Embalming preparations. 357,779; June 14; Serial No. 401,498; published Mar. 29, 1938. Class 6.
Myers, Edward, Waltham, Mass. Golf clubs, handles, heads, etc. 357,714; June 14; Serial No. 398,366; published Apr. 5, 1938. Class 22.
Naamloose Vennootschap Drogerijen Maatschappij, Rotterdam, Netherlands. Medical and cosmetic products. 357,733; June 14; Serial No. 400,020; published Mar. 22, 1938. Class 6.
Nashua Gummed and Coated Paper Company, Nashua, N. H. Gummed paper-box stays. 123,471; renewed Nov. 12, 1938.
National Co-Operatives, Inc., Indianapolis, Ind. Vacuum cleaners, mixers, fans, etc. 357,727; June 14; Serial No. 399,670; published Mar. 29, 1938. Class 21.
National Co-Operatives, Inc., Indianapolis, Ind. Fly spray. 357,735; June 14; Serial No. 400,118; published Feb. 8 1938. Class 6.
Natural Laboratories. (See Menachof, Bert.)
Newman, Mortimer, Company, The, New Haven, Conn. Footballs and basketballs. 357,859; June 14; Serial No. 403,320; published Apr. 5, 1938. Class 22.
Nyal Company, Detroit, Mich. Cosmetics. 357,744; June 14; Serial No. 400,534; published Mar. 22, 1938. Class 6.
Onyx Oil & Chemical Company, Jersey City, N. J. Chemical substance used in finishing yarns and fabrics. 357,812; June 14; Serial No. 402,199; published Mar. 22, 1938. Class 6.
Oven-Kwik Corporation, The, Chicago, Ill. Flour. 357,680; June 14; Serial No. 389,371; published Apr. 5, 1938. Class 46.
Owl Supply Company, Boston, Mass., to Scovill Manufacturing Company, Waterbury, Conn., successor. Paper-clips. 122,336; renewed July 23, 1938.
Paillard, E., & Cie, Société Anonyme, Ste. Croix, Canton Vaud, Switzerland. Typewriting machines and parts of typewriting machines. 357,671; June 14; Serial No. 384,669; published Apr. 5, 1938. Class 23.
Paramount Cravat Co. Inc., New York, N. Y. Mufflers. 357,742; June 14; Serial No. 400,434; published Apr. 5, 1938. Class 39.
Parfums Charbert, Inc., New York, N. Y. Cosmetics. 357,768; June 14; Serial No. 401,314; published Feb. 22, 1938. Class 6.
Park & Tilford, New York, N. Y. Perfumes. 357,851; June 14; Serial No. 402,991; published Mar. 29, 1938. Class 6.
Parlegraph Co. (See Resnikoff, Joseph M.)
Pendleton Woolen Mills, Portland, Oreg. Clothing. 357,879; June 14. Class 39.
Pendleton Woolen Mills, Portland, Oreg. Piece goods. 357,880; June 14. Class 42.
Pennsylvania Lawn Mower Works, Primos, Pa. Lawn mowers and parts thereof. 357,795; June 14; Serial No. 401,714; published Apr. 5, 1938. Class 23.
Petri Cigar Co., San Francisco, Calif. Cigars. 357,801; June 14; Serial No. 402,019; published Apr. 5, 1938. Class 17.
Phillips & Buttorff Mfg. Co., Nashville, Tenn. Coal and wood stoves, ranges, etc. 123,270; renewed Oct. 22, 1938.
Phosphate Mining Company, The, New York, N. Y. Water softener and bath salts. 357,723; June 14; Serial No. 399,515; published Mar. 1, 1938. Class 6.
Pierpix, Inc., New York, N. Y. Periodical. 357,760; June 14; Serial No. 401,317; published Apr. 5, 1938. Class 38.
Polish Master Bakers Association, Inc., Brooklyn, N. Y. Bread and cake. 357,738; June 14; Serial No. 400,181; published Apr. 5, 1938. Class 46.
Pond's Extract Company, New York, N. Y. Cream lotion. 357,708; June 14; Serial No. 397,228; published Nov. 9, 1937. Class 6.
Presque Isle Starch Company, Presque Isle, Maine. Laundry starches. 357,841; June 14; Serial No. 402,697; published Mar. 29, 1938. Class 6.
Pringle, Robert, & Son (U. S. A.) Ltd., New York, N. Y. Sweaters and scarves, underwear, etc. 357,882; June 14. Class 39.
Queen City Textile Corporation, Allentown, Pa. Gloves. 357,838; June 14; Serial No. 402,650; published Apr. 5, 1938. Class 39.
Racine Shoe Manufacturing Company, Racine, Wis. Slippers or shoes. 357,647; June 14; Serial No. 402,918; published Apr. 5, 1938. Class 39.
Republic Steel Corporation. (See Union Drawn Steel Company, assignor.)
Resnikoff, Joseph M., doing business as Parlegraph Co., New York, N. Y. Short distance telephone system. 357,802; June 14; Serial No. 402,022; published Apr. 5, 1938. Class 21.
Rhine, Joseph B., Durham, N. C. Series of extra-sensory perception test cards. 357,698; June 14; Serial No. 395,720; published Apr. 5, 1938. Class 22.
Robins Conveying Belt Company, Passaic, N. J., and New York, N. Y. Vibrated screen separating machines. 357,692; June 14; Serial No. 393,550; published Oct. 19, 1937. Class 23.
Robins Conveying Belt Company, Passaic, N. J., and New York, N. Y. Vibrated screen separating machines. 357,693; June 14; Serial No. 393,554; published Oct. 19, 1937. Class 23.
Rock of Ages Corporation, Barre, Vt. Granite monuments and memorials. 357,850; June 14; Serial No. 402,987; published Apr. 5, 1938. Class 50.
Rosenblatt and Kahn, New York, N. Y. Children's coats, suits, dresses, etc. 357,870; June 14. Class 39.
Sachs Quality Furniture, Inc., New York, N. Y. Mattresses, cots, chair-beds, etc. 357,720; June 14; Serial No. 399,013; published Apr. 5, 1938. Class 32.
Sahlein, J. M., San Francisco, Calif. Mandolins, guitars, tenor guitars, etc. 357,885; June 14. Class 36.
San Juan Islands Cannery, Friday Harbor, Wash. Canned peas. 357,791; June 14; Serial No. 401,587; published Mar. 22, 1938. Class 46.
Santiago Development Corporation, New York, N. Y. Malt chocolate mixture in powder form. 357,826; June 14; Serial No. 402,446; published Apr. 5, 1938. Class 46.
Santiago Development Corporation, New York, N. Y. Tablet for colds, grippe, etc. 357,825; June 14; Serial No. 402,445; published Mar. 29, 1938. Class 6.
Saratoga Laboratory, Springfield, Mass. Medicine for the relief of colds, rheumatic and muscular pains, etc. 357,609; June 14; Serial No. 381,919; published Nov. 17, 1936. Class 6.
Schiff, Henry T., Chicago, Ill. Electric dry shavers. 357,889; June 14. Class 23.
Schutter Candy Company, Chicago, Ill. Candy. 357,684; June 14; Serial No. 390,672; published June 8, 1937. Class 46.
Schutter Candy Company, Chicago, Ill. Candy. 357,753; June 14; Serial No. 400,796; published Feb. 15, 1938. Class 46.
Schwob, Adolphe, Inc., assignor, by mesne assignments, to Louis A. Schwob, New York, N. Y. Watches, watch-cases, and watch-movements. 122,536; renewed Aug. 20, 1938.
Scovill Manufacturing Company. (See Owl Supply Company.)
Sears, Roebuck and Co., Chicago, Ill. Hosiery. 357,867; June 14. Class 39.
Seibert Mfg. Company, assignor to Gem Products Sales Co., Camden, N. J. Detergent. 122,287; renewed July 16, 1938.
Shu-Milles, Incorporated, St. Louis, Mo. Women's shoes. 357,770–1; June 14; Serial Nos. 401,355–6; published Apr. 5, 1938. Class 39.
Sidley, A. C., & Co., Minneapolis, Minn. Hosiery. 357,835; June 14; Serial No. 402,606; published Apr. 5, 1938. Class 39.
Siegel-Lyttle, Inc., New York, N. Y. Dress forms. 357,849; June 14; Serial No. 402,056; published Apr. 5, 1938. Class 50.
Smile, Richard, doing business as Smiles Products Co., Chicago, Ill. Medicated salve. 357,754; June 14; Serial No. 400,798; published Mar. 22, 1938. Class 6.
Smith, James L., doing business as The J. D. Compound Co., Lake Forest, Ill. Foot preparation. 357,719; June 14; Serial No. 398,860; published Mar. 15, 1938. Class 6.
Smith, Kenneth, Lenexa, Kans. Golf clubs and parts thereof. 357,861; June 14; Serial No. 403,525; published Apr. 5, 1938. Class 22.
"Sniders'," New Orleans, La. Napkins, tablecloths, furniture scarfs, etc. 357,674; June 14; Serial No. 386,746; published Apr. 5, 1938. Class 42.
Società Anonima Snia-Viscosa, Società Nazionale Industria Applicazioni Viscosa, The, Turin, Italy. Artificial textile filaments in staples, having high tensile strength. 357,695; June 14; Serial No. 395,245; published Mar. 22, 1938. Class 43.
Sohm, Joseph A., doing business as Century Tea & Coffee Company, St. Louis, Mo. Tea. 357,876; June 14. Class 46.
Solo-Bridge Company, Chicago, Ill. Card game practice and educational apparatus. 357,839; June 14; Serial No. 402,655; published Apr. 5, 1938. Class 22.
Sowa, Joseph B., doing business as Superior Scale Co., Delavan, Ill. Weighing scales. 357,827; June 14; Serial No. 402,449; published Apr. 5, 1938. Class 26.
Spinalator Company, The. (See Donnahoe, Ollie N.)
Spiral Wind Fish Reel Company, Inc. (See Maynes, Hyla F., assignor.)
Standard Brands Incorporated. (See Chase & Sanborn, assignor.)
Standard Insulation Company, East Rutherford, N. J. Floor covering or insulating material. 357,821; June 14; Serial No. 402,347; published Mar. 29, 1938. Class 12.



State Journal Company, Inc., The, Frankfort, Ky. Newspaper. 357,832; June 14; Serial No. 402,542; published Apr. 5, 1938. Class 38.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Petroleum fuel oils. 357,829; June 14; Serial No. 402,489; published Apr. 5, 1938. Class 15.
Star Chemical Co. Inc., Chicago, Ill. Wood and marble cement. 357,704; June 14; Serial No. 397,007; published Feb. 8, 1938. Class 5.
Stelgman, Ruth, doing business as Duralatex Company, New York, N. Y. Elastic threads and elastic yarns. 357,759; June 14; Serial No. 401,003; published Apr. 5, 1938. Class 43.
Stelgman, Ruth, doing business as Superlatex Company, New York, N. Y. Elastic threads. 357,760; June 14; Serial No. 401,005; published Apr. 5, 1938. Class 43.
Stolaroff, E. M., Los Angeles, Calif. Liquid wax nail preserver. 357,736; June 14; Serial No. 400,134; published Mar. 22, 1938. Class 6.
Superior Funeral Supply Corp., Cleveland, Ohio. Electrically operated intercommunicating systems, etc. 357,775; June 14; Serial No. 401,456; published Apr. 5, 1938. Class 21.
Superior Scale Co. (See Sowa, Joseph B.)
Superlatex Company. (See Stelgman, Ruth.)
Swift and Company, Chicago, Ill. Sandwich spread. 357,730; June 14; Serial No. 399,862; published Apr. 5, 1938. Class 46.
Texas Company, The, New York, N. Y. Cutting oil. 357,763; June 14; Serial No. 401,121; published Mar. 8, 1938. Class 15.
Thermoid Rubber Company, Hamilton Township, assignor to Thermoid Company, Trenton, N. J. Brake-linings. 123,294; renewed Oct. 22, 1938.
Thieleman, Fred E., Dearborn, Mich. Therapeutic agent. 357,808; June 14; Serial No. 402,147; published Mar. 22, 1938. Class 6.
Thogersen, O. C., doing business as Thogersen Hosiery Co., Chicago, Ill. Hosiery, underwear, dresses, shirts, etc. 357,873; June 14. Class 39.
Thompson, O. E., & Sons, Ypsilanti, Mich. Table games and apparatus for playing the same. 357,857; June 14; Serial No. 403,287; published Apr. 5, 1938. Class 22.
Tobin, Jack, Philadelphia, Pa. Children's dresses. 357,757; June 14; Serial No. 400,857; published Mar. 1, 1938. Class 39.
Uhlemann Optical Co., assignor to Uhlemann Optical Co. of Illinois, Chicago, Ill. Ophthalmic mountings, parts, and fixtures. 121,363; renewed Apr. 23, 1938.
Ulcitone Laboratories. (See Heaton, Harry G.)
Union Drawn Steel Company, Beaver Falls, Pa., assignor to Republic Steel Corporation, Cleveland, Ohio. Bright-finished steel. 121,670; renewed May 14, 1938.
United Drug Company, Boston, Mass. Eye lotion. 357,721; June 14; Serial No. 399,019; published Mar. 29, 1938. Class 6.
United States Rubber Products, Inc., New York, N. Y. Electrical cable. 357,673; June 14; Serial No. 386,510; published Apr. 5, 1938. Class 21.
Unzeitig, Milvoy, Cedar Rapids, Iowa. Oil burners and parts thereof. 357,868; June 14. Class 34.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Selenium diethyl-dithiocarbamate, used in the manufacture of rubber products. 357,797; June 14; Serial No. 401,840; published Mar. 29, 1938. Class 6.
Victor Saw Works, Springfield, Mass., assignor to Victor Saw Works, Inc., Middletown, N. Y. Hacksaws, coping-saws, butchers' saws, etc. 121,981; renewed June 11, 1938.
Vitamol, Inc., New York, N. Y. Compound incorporating molasses carrying vitamins for use as an animal food and as a supplement in animal food mixtures. 357,737; June 14; Serial No. 400,143; published Apr. 5, 1938. Class 46.
V-Seat Company. (See Hutchison, Miller R.)
Wade, Albert G., doing business as Wade Advertising Agency, Chicago, Ill. Phonograph records. 357,712; June 14; Serial No. 397,784; published Apr. 5, 1938. Class 36.
Wausau Manufacturing Co., Wausau, Wis., to General Woodenware Corporation, New York, N. Y., and Wausau, Wis., successor. Toothpicks. 122,553; renewed Aug. 20, 1938.
Weber, Andrew J., Milwaukee, Wis. Liquid shampoo. 357,780; June 14; Serial No. 401,513; published Mar. 22, 1938. Class 6.
Whitehead Metal Products Company of New York, Inc., New York, N. Y. Combined gas or electric range and sink. 357,706; June 14; Serial No. 397,061; published Jan. 4, 1938. Class 34.
Williams, Jan A., Saugerties, N. Y. Mineral water and non-alcoholic beverages, and sirups and extracts for making the same. 357,761; June 14; Serial No. 401,038; published Feb. 22, 1938. Class 45.
Wincharger Corporation, Sioux City, Iowa. Wind-driven power apparatus and impellers therefor. 357,699–700; June 14; Serial Nos. 395,778–9; published Apr. 5, 1938. Class 23.
Wittman, Hugo, doing business as Home Helpers Co., Buffalo, N. Y. Chemical substance for cleaning tanks, bowls, etc. 357,710; June 14; Serial No. 397,001; published Feb. 15, 1938. Class 4.
Zenith Products Company, Wellsville, Ohio. Conditioning capsules for dogs. 357,782; June 14; Serial No. 401,539; published Feb. 15, 1938. Class 6.
Zephyr Laboratories. (See Glibert, Woodland H.)
Zephyr Shaver Corporation, New York, N. Y. Electric shavers. 357,709; June 14; Serial No. 397,317; published Nov. 9, 1937. Class 23.

# LIST OF REGISTRANTS OF LABELS

Allen-Dias, Inc., New York, N. Y. Amontillado Solera No. 51. For Dry Sherry. 51,284; June 14.
Amirol-Admiracion Sales Corporation, Newark, N. J. Amirol Color & Oil Shampoo Treatment. For a Color and Oil Shampoo. 51,285; June 14.
Andrews, E. S., Chicago, Ill. Glad-Foot Antiseptic Foot Bath Powder. For Antiseptic Foot Bath Powder. 51,286; June 14.
Atwell & Kessler, Milwaukee, Wis. Rex Dog Shampoo. For Dog Shampoo. 51,287; June 14.
Ayr-Mor Laundry Machinery Company, Chicago, Ill. Tetraclean Solvent. For Solvent. 51,288; June 14.
Better Business Builders, Inc., Minneapolis, Minn. Builders Brand. For Grapefruit. 51,289; June 14.
Bleser Brewing Co., Manitowoc, Wis. Gold Coast. For Pale Beer. 51,290; June 14.
Blum, Philip, & Company, Inc., Chicago, Ill. Solo. For Straight Bourbon Whiskey. 51,291; June 14.
Bray Chemical Co., Chicago, Ill. Pipemaster. For a Drain Pipe Cleaner. 51,292; June 14.
Carpenter Paper Company, Omaha, Nebr. Pen-Ease. For History Paper. 51,293; June 14.
Clayton, A. C., Printing Co., St. Louis, Mo. Bullock's Junior Footwear. For Footwear. 51,294; June 14.
Clayton, A. C. Printing Co., St. Louis, Mo. Junior Footwear. For Footwear. 51,295; June 14.
Clayton, A. C., Printing Co., St. Louis, Mo. Beautiful Shoes. For Footwear. 51,296; June 14.
Clemson Bros., Inc., Middletown, N. Y. Star Moly Hack Saws. For Hack Saws. 51,297; June 14.
Cold Springs Mineral Water Company, The. (See Stern, Joseph D.)
Colonial Works, Brooklyn, N. Y. Colonial Master Painters Flat. For an Interior Flat Finish Paint. 51,298; June 14.
Colonial Works, Brooklyn, N. Y. Colonial Screen Paint. For Screen Paint. 51,299; June 14.
Coryell, Inc., Detroit, Mich. Nu-Hair. For a Hair Dressing. 51,300; June 14.
Cramer-Tobias-Meyer, New York, N. Y. The Men's Fashion Advertiser. For Mats and Cuts. 51,301; June 14.
Cutler, Royal A., Spokane, Wash. Cutler's Royal-A Carrots. For Fresh Carrots. 51,302; June 14.
Dunlevy, T. Ross, doing busines as OK Products, Miami, Fla. O K. For an Automobile Cleaner. 51,303; June 14.
Economics Laboratory, Inc., St. Paul, Minn. Sollax Formula "B". For a Cleanser and Water Softener for Wall Washing, Paint Cleaning, and General Use. 51,304; June 14.
Economics Laboratory, Inc., St. Paul, Minn. Sollax Formula "A". For a Cleanser and Water Softener. 51,305; June 14.
Elam Mills Inc., Chicago, Ill. Elam's Wholegrain Vegetable Bread. For Bread. 51,306; June 14.
Ellena Bros., Etiwanda, Calif., Regina. For California Sparkling Burgundy. 51,307; June 14.
Fairchild, E. E., Corporation, Rochester, N. Y. Pot Luck. For a Game. 51,308; June 14.
Faraco, John J., Brazil, Ind. South American Pride. For Coffee. 51,309; June 14.
Garcia Grande Cigars, Incorporated, New York, N. Y. Garcia Grande Cigars "Taste Protected". For Cigars. 51,310; June 14.
Garment Patents Inc., New York, N. Y. Composite Garment. For Garments. 51,311; June 14.
Gumakers of America, Inc., Clifton Heights, Pa. Kenno. For Chewing Gum. 51,312; June 14.
Hart Drug Corporation, Miami, Fla. Sitrimin. For a Gastric Antacid and Adsorbent. 51,313–14; June 14.
Hart Drug Corporation, Miami, Fla. Alkamid. For Medicinal Tablets. 51,315; June 14.
Hirsch-Weis Manufacturing Company, doing business as Hirsch-Weis, Portland, Oreg. Four Season. For Sport Jackets. 51,316; June 14.
Honeylact Co. (See Vradis, Andrew.)
Huber Baking Company, Wilmington, Del. Huber's Fresh Bread. For Bread. 51,317; June 14.
International Cellucotton Products Company, Chicago, Ill. Kleenex Tissues. For Tissues. 51,318; June 14.
Joy, Fred C., doing business as Joy and Company, Sacramento, Calif. Rust-Solv. For a Rust Solvent Penetrating Fluid. 51,319–20; June 14.
Kaplan, Philip, New York, N. Y. Plasti-Kote. For Heat Insulation. 51,321; June 14.
Kaplan, Philip, New York, N. Y. Thermalin. For Plastic Insulation for Heat Control. 51,322; June 14.

Krause, Chas. A., Milling Co., Milwaukee, Wis. Wal-Kleen. For Paint Cleaner. 51,323; June 14.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Latonia Club Lime Rickey. For Lime Rickey Made With Lime Pulp and Lemon. 51,324; June 14.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Latonia Club Ginger Ale. For Ginger Ale. 51,325; June 14.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Latonia Club Orange Soda. For Orange Soda. 51,326; June 14.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Latonia Club Lemon Lime Soda. For Lemon Lime Soda. 51,327; June 14.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Latonia Club Imitation Grape Soda. For Imitation Grape Soda. 51,328; June 14.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Latonia Club White Soda. For Carbonated Water With Sweetening and Citric Acid Added. 51,329; June 14.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Latonia Club Imitation Strawberry Soda. For Imitation Strawberry Soda. 51,330; June 14.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Latonia Club Lithiated Lemon Soda. For Lithiated Lemon Soda. 51,331; June 14.
Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Kurfees. For House Paint. 51,332; June 14.
L. E. L. Sales Company, Inc., Amarillo, Tex. Bonita Blackberry Wine. For Blackberry Wine. 51,333; June 14.
Lang, C. C., & Son, Inc., Baltimore, Md. Xtra Hi. For Sweet Mixed Pickles. 51,334; June 14.
Lee, H. D., Mercantile Company, The, Kansas City, Mo. Branded Lee. For Cowboy Pants. 51,335; June 14.
Levy, Chas. H., Co., New Orleans, La. If I Were a Man—I'd Choose Charles Cravat. For Cravats. 51,336; June 14.
Life Products, Inc., Cleveland, Ohio. A Liquid Food for Puppies and Young Dogs. For a Liquid Food for Puppies and Young Dogs. 51,337; June 14.
Lipton, Thomas J. Inc., Hoboken, N. J.; Chicago, Ill.; and San Francisco, Calif. Lipton Choice Blended English Breakfast Tea (Purple and Gold). For Choice Blended English Breakfast Tea. 51,338; June 14.
Lipton, Thomas J., Inc., Hoboken, N. J.; Chicago, Ill.; and San Francisco, Calif. Lipton Choicest Blend of Ceylon & India Orange Pekoe & Pekoe Tea (Yellow and Red). For a Choicest Blend of Ceylon and India Orange and Pekoe Tea. 51,339; June 14.
Lou-Ana's Bakery. (See Strauss, Louis C.)
McCarthy, Charlie, Inc., New York, N. Y. Charlie McCarthy. For Lead Pencils. 51,340; June 14.
Menasha Products Company, Menasha, Wis. Sally-Ann Ice Cream. For Ice Cream. 51,341; June 14.
Menasha Products Company, Menasha, Wis. M & B Ice Cream. For Ice Cream. 51,342; June 14.
Merkin, M. J., Paint Co., Inc., New York, N. Y. White Flash. For Paint. 51,343–4; June 14.
Metropolitan Cigar Corporation, Chicago, Ill. Chicago Motor Club. For Cigars. 51,345; June 14.
Milliken, William B., Jr., Colorado Springs, Colo. Who's Lucky. For California Wine. 51,347; June 14.
Morse, Morris J., Los Angeles, Calif. Reeal. For a Liniment. 51,346; June 14.
Mutual Orange Distributors, Redlands, Calif. Real Gold. For California Orange Juice. 51,348; June 14.
National Wreath & Supply Co., Cleveland, Ohio. Nonaim. For an Arterial Fluid. 51,349; June 14.
OK Products. (See Dunlevy, T. Ross.)
Old Reliable Distributors, Inc., New Orleans, La. Sunny Italy. For California Wines. 51,350; June 14.
Oshkosh B'Gosh, Inc., Oshkosh, Wis. The World's Best Work Shirt. For Work Shirts. 51,351; June 14.
Oxygen Therapy Service, Inc., doing business as Oxygen Therapy Service, New York, N. Y. O T S. For Face Tents. 51,352; June 14.
Penick & Ford, Ltd. Incorporated, New York, N. Y. Sweetland. For Table Syrup. 51,353; June 14.
Penick & Ford, Ltd. Incorporated, New York, N. Y. Marigold. For Pure Georgia Cane and Corn Syrup. 51,354; June 14.
Phillips, A., Service, Newkirk, Okla. Lubricates to the Last Drop—Hits the Spot for Lubrication. For Motor Oil. 51,355; June 14.
Queen Ant Control, Inc., Columbus, Ohio. Queen Ant Control. For a Preparation for Destroying Ants. 51,356; June 14.
Rhyme-A-Lings Company of America, Inc., Ceytesville, N. J. Rhyme-A-Lings. Rhyming Game. For a Rhyming Game. 51,357; June 14.
Roberts, F. H., Company, Cambridge, Mass. Nut Meats. For Chocolate Covered Nut Meats. 51,358; June 14.
Royal, Thomas M., & Company, Philadelphia, Pa. Coffee. For Coffee. 51,359; June 14.
Ruvulo, Joseph G., Albuquerque, N. Mex. Sunny State Fancy Creamery Butter. For Butter. 51,360; June 14.
Schonbrunn, S. A., & Co., Inc., New York, N. Y. Cup-N-Saucer Brand. For Coffee. 51,361; June 14.
Schwartzberg, Louis, Chicago, Ill. Train Egg Carton. For Egg Cartons. 51,362; June 14.
Skinner Manufacturing Company, Omaha, Nebr. Quick-Ade. For Soft Drink Powders. 51,363; June 14.
Spragia, Joseph, Hammond, Ind. King Kold. For Ice Cream. 51,364; June 14.
Spurr, Melbourne, doing business as Spurrway Manufacturing Co., Los Angeles, Calif. Spurr's Old San Francisco. For a Sauce for Steaks. 51,365; June 14.
Spurrway Manufacturing Co. (See Spurr, Melbourne.)
Standard Toykraft Products, Inc., Brooklyn, N. Y. New York Fair Modeling Set. For Modeling Sets. 51,366; June 14.
Stern, Joseph D., doing business as The Cold Springs Mineral Water Company, Chicago, Ill. Cold Springs Mineral Water. For Mineral Water. 51,367; June 14.
Strauss, Louis C., doing business as Lou-Ana's Bakery, Beeville, Tex. Lou-Ana's Bread. For Bread. 51,368; June 14.
Union Oil Company of California, Los Angeles, Calif. Faytal Insect Spray. For an Insecticide. 51,369; June 14.
Veldown Company, Inc., New York, N. Y. Swank 1000 Sheets—Size 4½ x 5. For an All Purpose Toilet and Facial Tissue. 51,370; June 14.
Veldown Company, Inc., New York, N. Y. Veldown 48 Regular Size Napkins. For Napkins. 51,371; June 14.
Veldown Company, Inc., New York, N. Y. Veldown 36 Regular Size Napkins. For Napkins. 51,372; June 14.
Victor Saw Works, Inc., Middletown, N. Y. Victor Moly Hack Saw Blades. For Hack Saw Blades. 51,373; June 14.
Victor Saw Works, Inc., Middletown, N. Y. Victor Hack Saws. For Hack Saws. 51,374; June 14.
Vradis, Andrew, doing business as Honeylact Co., New York, N. Y. Honeylact Bonbons. For Candy. 51,375; June 14.
Warwick Club Ginger Ale Co., Inc., West Warwick, R. I. Tone Up. For Carbonated Mixer. 51,376; June 14.
Weisberger Bros., South Bend, Ind. Weibro. For Bathroom Tissue. 51,377; June 14.
Welty, Stanley, Indianapolis, Ind. Weave-It. For a Game. 51,378; June 14.
Western Tablet & Stationery Corporation, Dayton, Ohio. Charlie McCarthy. For Scrap Books. 51,379; June 14.
Wilson, Chas M Caney, Kans. Wilson's Ideal French Dressing. For French Dressing. 51,380; June 14.
Woodard, Claude M., Des Moines, Iowa. Checkerola. For a Game. 51,381; June 14.

## LIST OF REGISTRANTS OF PRINTS

Acme Metal Goods Mfg. Co., The, Newark, N. J. Can Opener with Cap Puller. For Can Openers. 16,869; June 14.
Borden Company, The, New York, N. Y. Four Star Fountain Service Borden's Ice Cream. For Ice Cream. 16,870; June 14.
Essex Rubber Company, Inc., Trenton, N. J. Hi Grade Rubber Tubing. For Rubber Tubing. 16,871; June 14.
Hershey Chocolate Corporation, Hershey, Pa. Aero. For Milk Chocolate. 16,872; June 14.
Hershey Chocolate Corporation, Hershey, Pa. Hershey's Syrup. For a Chocolate Flavored Syrup. 16,873; June 14.
Keys & Lockwood, New York, N. Y. The Tudor. For Neckties. 16,874; June 14.
Klix Inc., Los Angeles, Calif. Klix Kernels. For Toasted Soy Beans. 16,875; June 14.
Lane Manufacturing Co., San Francisco, Calif. Fizrite. For a Rubber Bottle Cap. 16,876; June 14.
Levy, Chas. H., Co., New Orleans, La. If I Were a Man. For Cravats. 16,877; June 14.
Lowe, Joe, Corporation, New York, N. Y. It's Good—It's Big Cheerio. For Deliciously Coated Ice Cream Confections on a Stick. 16,878; June 14.
Lowe, Joe, Corporation, New York, N. Y. Fudgicle The Fudge Freeze 5¢ Nourishing. For a Frozen Confection on a Stick. 16,879; June 14.
Lowe, Joe, Corporation, New York, N. Y. Cooling Popsicle Refreshing 5¢. For a Frozen Water-Ice Confection on a Stick. 16,880; June 14.
Lowe, Joe, Corporation, New York, N. Y. Listen on th' Radio After May 1st Nifty Gifts, Creamsicle Deliciously Coated Ice Cream 5¢. For a Coated Ice Cream Confection on a Stick. 16,881; June 14.
McCall Refrigerator Corporation, Hudson, N. Y. Let's Get Down to Cases. For Display Cases Equipped with General Electric Refrigeration. 16,882; June 14.
Oshkosh B'Gosh, Inc., Oshkosh, Wis. Step Out In Oshkosh B'Gosh. For Matched Shirts and Pants. 16,883; June 14.
Reynolds, R. J., Tobacco Co., The, Winston-Salem, N. C. No. E–21. For Cigarettes. 16,884; June 14.



Rizzi, Frank, New York, N. Y. How to Play the Game Ritzy. For a Game. 16,885; June 14.
Selmer, H. & A., Inc., Elkhart, Ind. Selmer Joint Grease. For Grease for Wood and Metal Joints on Musical Instruments. 16,886; June 14.
Selmer, H. & A., Inc., Elkhart, Ind. Selmer Band Instrument Oils. For Band Instrument Oils. 16,887; June 14.
Selmer, H. & A., Inc., Elkhart, Ind. Selmer Polishes. For Metal and Silver Polishes. 16,888; June 14.
Tasty Baking Company, Philadelphia, Pa. Cup Cakes. For Cup Cakes. 16,889; June 14.
Tasty Baking Company, Philadelphia, Pa. Light and Airy. For Pretzels. 16,890; June 14.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED

### CLASS 1

Soils. J. T. Lovett, Jr. 357,743; June 14; Serial No. 400,513; published Apr. 5, 1938.

### CLASS 2

Bags, merchandise envelopes, etc. Debeckmun Company. 357,748; June 14; Serial No. 400,685; published Apr. 5, 1938.
Cases, rouge boxes, compact boxes, etc., Empty vanity. Lucien Lelong, Inc. 357,844; June 14; Serial No. 402,781; published Apr. 5, 1938.

### CLASS 4

Chemical substance for cleaning tanks, bowls, etc. H. Wittman. 357,710; June 14; Serial No. 397,601; published Feb. 15, 1938.
Detergent. Seibert Mfg. Company. 122,287; renewed July 16, 1938.

### CLASS 5

Cement, Wood and marble. Star Chemical Co. Inc. 357,704; June 14; Serial No. 397,007; published Feb. 8, 1938.

### CLASS 6

Acetic anhydride, acetone, acid acetic, etc. Mallinckrodt Chemical Works. 357,790; June 14; Serial No. 401,582; published Mar. 29, 1938.
Alkaliser-antacid preparation. H. G. Heaton. 357,749; June 14; Serial No. 400,693; published Mar. 22, 1938.
Antiseptic and antitoxic medicines, General. Laboratorios Cabsua, S. A. 357,696; June 14; Serial No. 395,451; published Mar. 29, 1938.
Astringents, beauty creams, bath salts, etc. Gillette Safety Razor Company. 357,683; June 14; Serial No. 389,983; published Mar. 22, 1938.
Calcium carbonate, Commercial. Buck & Stoddard, Inc. 357,824; June 14; Serial No. 402,412; published Mar. 29, 1938.
Capsules for dogs, Conditioning. Zenith Products Company. 357,762; June 14; Serial No. 401,539; published Feb. 15, 1938.
Chemical compound. Calgon Incorporated. 357,703; June 14; Serial No. 396,222; published Mar. 29, 1938.
Chemical compounds. Chapman Valve Manufacturing Company. 357,765; June 14; Serial No. 401,294; published Mar. 22, 1938.
Chemical substance used in finishing yarns and fabrics. Onyx Oil & Chemical Company. 357,812; June 14; Serial No. 402,199; published Mar. 22, 1938.
Compound used in the finishing of textile fabrics etc. J. Bendix. 357,740; June 14; Serial No. 400,403; published Mar. 22, 1938.
Cosmetics. Nyal Company. 357,744; June 14; Serial No. 400,534; published Mar. 22, 1938.
Cosmetics. Parfums Charbert, Inc. 357,766; June 14; Serial No. 401,814; published Feb. 22, 1938.
Creams, face powder, rouge, etc., Facial. J. de Vries. 357,688; June 14; Serial No. 392,749; published Feb. 15, 1938.
Curing solutions and powders. Cu-Rite Products Co. 357,734; June 14; Serial No. 400,067; published Mar. 29, 1938.
Dairy preparations. Chr. Hansen's Laboratory, Inc. 357,702; June 14; Serial No. 396,993; published Mar. 29, 1938.
Deodorant, Refrigerator. Darco Corporation. 357,781; June 14; Serial No. 401,523; published Mar. 29, 1938.
Dentifrice. G. Kohlberg, Jr. 357,837; June 14; Serial No. 402,438; published Mar. 29, 1938.
Embalming preparations. Montgomery Chemical Company. 357,779; June 14; Serial No. 401,498; published Mar. 29, 1938.
Foot preparation. J. L. Smith. 357,719; June 14; Serial No. 398,860; published Mar. 15, 1938.
Germicide. Cascade Sprayer Co. 357,729; June 14; Serial No. 399,824; published Mar. 29, 1938.
Herb preparation. W. J. Davis. 357,689; June 14; Serial No. 392,956; published Mar. 22, 1938.
Hydrogen peroxide. Mallinckrodt Chemical Works. 357,789; June 14; Serial No. 401,581; published Mar. 29, 1938.
Ingredient used as a lubricant base. Metasap Chemical Company. 357,691; June 14; Serial No. 393,438; published Mar. 22, 1938.
Liquid preparation for colds, fever, and chills. B. Menchof. 357,811; June 14; Serial No. 402,194; published Mar. 29, 1938.
Lotion, Cream. Pond's Extract Company. 357,706; June 14; Serial No. 397,228; published Nov. 9, 1937.
Lotion, Eye. United Drug Company. 357,721; June 14; Serial No. 399,018; published Mar. 29, 1938.
Medical and cosmetic products. Naamlooze Vennootschap Drogerijen Maatschappij. 357,733; June 14; Serial No. 400,020; published Mar. 22, 1938.
Medicinal preparation. Crookes Laboratories, Incorporated. 357,732; June 14; Serial No. 399,995; published Mar. 22, 1938.
Medicine, Diabetic. W. W. Armstrong. 357,728; June 14; Serial No. 399,697; published Mar. 22, 1938.
Medicine for the relief of colds, rheumatism, muscular pains, etc. Saratoga Laboratory. 357,669; June 14; Serial No. 361,919; published Nov. 17, 1936.
Mixture of calomel and corrosive sublimate. Mallinckrodt Chemical Works. 357,788; June 14; Serial No. 401,579; published Mar. 29, 1938.
Mole remover solution, shampoo, and face powder. American Tropical Products Company. 357,697; June 14; Serial No. 395,468; published Oct. 26, 1937.
Nail preserver, Liquid wax. E. M. Stolaroff. 357,736; June 14; Serial No. 400,134; published Mar. 22, 1938.
Nervine. S. Allen. 357,726; June 14; Serial No. 399,641; published Mar. 22, 1938.
Oils, Essential. Firmenich & Co. 357,717–8; June 14; Serial Nos. 398,840–1; published Mar. 22, 1938.
Perfume. R. Dawn. 357,724; June 14; Serial No. 399,604; published Mar. 22, 1938.
Perfume and eau de cologne. Charles of the Ritz, Inc. 357,766; June 14; Serial No. 401,295; published Feb. 22, 1938.
Perfumes. Park & Tilford. 357,851; June 14; Serial No. 402,991; published Mar. 29, 1938.
Perfumes and cosmetic creams. Lentheric, Incorporated. 357,820; June 14; Serial No. 402,339; published Mar. 29, 1938.
Pharmaceutical preparation. K. G. Remedies, Inc. 357,746; June 14; Serial No. 400,555; published Mar. 22, 1938.
Preparations for relief of pain in arthritis, etc. La Pointe Lyons Lynn, Inc. 357,823; June 14; Serial No. 402,378; published Mar. 29, 1938.
Preparation used for the treatment of ground itch, etc., Liquid. J. B. Knight, Sr. 357,751; June 14; Serial No. 400,742; published Mar. 22, 1938.
Pro-vitamin D, Activated animal. E. I. du Pont de Nemours and Company. 357,822; June 14; Serial No. 402,365; published Mar. 29, 1938.
Salve, Medicated. R. Smile. 357,754; June 14; Serial No. 400,798; published Mar. 22, 1938.
Selenium diethyl-dithiocarbamate used in the manufacture of rubber products. R. T. Vanderbilt Company. 357,797; June 14; Serial No. 401,840; published Mar. 29, 1938.
Shampoo, Liquid. A. J. Weber. 357,780; June 14; Serial No. 401,513; published Mar. 22, 1938.
Spray, Fly. National Co-Operatives, Inc. 357,735; June 14; Serial No. 400,118; published Feb. 8, 1938.
Starches, Laundry. Presque Isle Starch Company. 357,841; June 14; Serial No. 402,697; published Mar. 29, 1938.
Supplement for animal feeds. Mallinckrodt Chemical Works. 357,787; June 14; Serial No. 401,578; published Mar. 29, 1938.
Tablet for colds, grippe, etc. Santiago Development Corporation. 357,825; June 14; Serial No. 402,445; published Mar. 29, 1938.
Tar remover, hydraulic brake fluid, etc. B. F. Goodrich Company. 357,785; June 14; Serial No. 401,568; published Mar. 22, 1938.
Therapeutic agent. F. E. Thieleman. 357,808; June 14; Serial No. 402,147; published Mar. 22, 1938.
Toilet preparations. F. Denney. 357,777; June 14; Serial No. 401,472; published Mar. 29, 1938.
Toilet waters. Bullock's, Inc. 357,681; June 14; Serial No. 399,674; published Mar. 22, 1938.
Tooth paste, hair and scalp preparations, powders, etc. McKesson & Robbins, Incorporated. 357,713; June 14; Serial No. 398,253; published Jan. 4, 1938.
Water softener and bath salts. Phosphate Mining Company. 357,723; June 14; Serial No. 399,515; published Mar. 1, 1938.

### CLASS 7

Rope and wire strand, Wire. American Chain & Cable Company. 357,887; June 14.

### CLASS 12

Cement, Portland. Medusa Portland Cement Company. 357,756; June 14; Serial No. 400,848; published Feb. 15, 1938.

Filler for seams and joints in roadways. Barrett Company. 357,794; June 14; Serial No. 401,687; published Mar. 29, 1938.
Floor covering or insulating material. Standard Insulation Company. 357,821; June 14; Serial No. 402,347; published Mar. 29, 1938.
Materials, Bituminous road-surfacing. Bitu-Rock Corporation. 357,798; June 14; Serial No. 401,884; published Apr. 5, 1938.
Roofing, shingles and siding of felt base. Certain-Teed Products Corporation. 357,783; June 14; Serial No. 401,554; published Mar. 29, 1938.
Screens, Fly. Cincinnati Fly Screen Co. 357,772; June 14; Serial No. 401,371; published Mar. 29, 1938.
Wood, Laminated. Haskelite Manufacturing Corporation. 122,211; renewed July 9, 1938.

CLASS 13

Handle sticks for confectionery products. Joe Lowe Corporation. 357,767; June 14; Serial No. 401,309; published Mar. 1, 1938.
Keyholders, Pocket. J. Lipic. 357,878; June 14.
Nails in kegs. Continental Steel Corporation. 357,799; June 14; Serial No. 401,923; published Apr. 5, 1938.
Separators, mixer heads, and gas traps. Master Separator and Valve Co. 357,668; June 14; Serial No. 380,916; published Apr. 5, 1938.

CLASS 14

Steel, Bright-finished. Union Drawn Steel Company. 121,670; renewed May 14, 1938.

CLASS 15

Candles. Empire Candle Works, Inc. 357,774; June 14; Serial No. 401,431; published Mar. 15, 1938.
Greases and oils and colloidal graphite lubricant. B. F. Goodrich Company. 357,786; June 14; Serial No. 401,569; published Mar. 29, 1938.
Oil, Cutting. Texas Company. 357,763; June 14; Serial No. 401,121; published Mar. 8, 1938.
Oils and greases, Lubricating. Industrial Oil Corporation. 357,813; June 14; Serial No. 402,222; published Mar. 29, 1938.
Oils, Lubricating. Lion Oil Refining Company. 357,685; June 14; Serial No. 391,076; published Mar. 22, 1938.
Oils, Lubricating. Lion Oil Refining Company. 357,687; June 14; Serial No. 391,578; published Mar. 22, 1938.
Petroleum fuel oils. Standard Oil Company of California. 357,829; June 14; Serial No. 402,489; published Apr. 5, 1938.

CLASS 16

Finish and polish for floors and other woodwork. Butcher Polish Company. 121,587–9; renewed May 14, 1938.
Stain, Anthracene-oil wood. Carbolineum Wood Preserving Co. 122,782; renewed Sept. 17, 1938.

CLASS 17

Cigars. Petri Cigar Co. 357,801; June 14; Serial No. 402,019; published Apr. 5, 1938.

CLASS 19

Automobiles and structural parts thereof. General Motors Corporation. 357,675; June 14; Serial No. 396,835; published Apr. 5, 1938.
Brakes and parts thereof, Vehicle. Empire Electric Brake Corporation. 357,842; June 14; Serial No. 402,720; published Apr. 5, 1938.
Dump bodies. Gallon Metallic Vault Company. 357,686; June 24; Serial No. 391,421; published Aug. 3, 1937.

CLASS 20

Floor-coverings. Congoleum Company. 123,332; renewed Oct. 29, 1938.

CLASS 21

Cable, Electrical. United States Rubber Products, Inc. 357,673; June 14; Serial No. 386,510; published Apr. 5, 1938.
Electric rectifier-type A. C. to D. C. power converters, battery chargers, etc. P. R. Mallory & Co. 357,701; June 14; Serial No. 395,922; published Mar. 29, 1938.
Electrically operated intercommunicating systems, etc. Superior Funeral Supply Corp. 357,775; June 14; Serial No. 401,456; published Apr. 5, 1938.
Fans, Electric. Diehl Manufacturing Company. 357,807; June 14; Serial No. 402,117; published Apr. 5, 1938.
Fuses, and fusible links therefor, Electric. Chase-Shawmut Company. 357,864; June 14.
Telephone system, Short distance. J. M. Resnikoff. 357,802; June 14; Serial No. 402,022; published Apr. 5, 1938.
Vacuum cleaners, food mixers, fans, etc. National Co-Operatives, Inc. 357,727; June 14; Serial No. 399,670; published Mar. 29, 1938.

CLASS 22

Bladders for playballs, etc. Dewey and Almy Chemical Company. 357,860; June 14; Serial No. 403,362; published Apr. 5, 1938.
Cards, Series of extra-sensory perception test. J. B. Rhine. 357,698; June 14; Serial No. 395,720; published Apr. 5, 1938.
Checkers. Saml. Gabriel Sons & Company. 357,855; June 14; Serial No. 403,126; published Apr. 5, 1938.
Fishing reels. H. F. Maynes. 357,863; June 14; Serial No. 380,219; published Apr. 12, 1938.
Fittings for skis, metal ski edges, etc., Metal. William J. Beer Company. 357,877; June 14.
Footballs and basketballs. Mortimer Newman Company. 357,859; June 14; Serial No. 403,320; published Apr. 5, 1938.
Game, Card. Milton Bradley Company. 357,858; June 14; Serial No. 403,301; published Apr. 5, 1938.
Game, Card. F. J. Feltham. 357,747; June 14; Serial No. 400,638; published Apr. 5, 1938.
Game practice and educational apparatus, Card. Solo-Bridge Company. 357,839; June 14; Serial No. 402,655; published Apr. 5, 1938.
Games and apparatus for playing the same, Table. O. E. Thompson & Sons. 357,857; June 14; Serial No. 403,287; published Apr. 5, 1938.
Golf clubs and parts thereof. K. Smith. 357,861; June 14; Serial No. 403,525; published Apr. 5, 1938.
Golf clubs, handles, heads, etc. E. Meyers. 357,714; June 14; Serial No. 398,366; published Apr. 5, 1938.
Kites, gliders, and toy aeroplanes. Hi-Flier Manufacturing Company. 357,854; June 14; Serial No. 403,043; published Apr. 5, 1938.
Swivels, safety snap swivels, etc. Art Wire and Stamping Company. 357,853; June 14; Serial No. 403,030; published Apr. 5, 1938.
Vehicles somewhat similar to sleds or toboggans. Hoopes, Bro. & Darlington, Incorporated. 357,862; June 14; Serial No. 403,590; published Apr. 5, 1938.

CLASS 23

Apparatus adapted for various uses, such as an automobile jack, for towing, etc., Portable. Auto Specialties Manufacturing Company. 357,676; June 14; Serial No. 387,261; published Apr. 5, 1938.
Bread slicing machines. J. Hansen. 357,818; June 14; Serial No. 402,334; published Apr. 5, 1938.
Engines and parts thereof, Internal combustion. Air Cooled Motors Corporation. 357,881; June 14.
Hacksaws, coping-saws, butchers' saws, etc. Victor Saw Works. 121,981; renewed June 11, 1938.
Mowers and parts thereof, Lawn. Pennsylvania Lawn Mower Works. 357,795; June 14; Serial No. 401,714; published Apr. 5, 1938.
Oilers, oil guns, grease guns, and tire pumps. Chase Brass & Copper Co. Incorporated. 357,833; June 14; Serial No. 402,554; published Apr. 5, 1938.
Power apparatus and impellers therefor, Wind-driven. Wincharger Corporation. 357,699–700; June 14; Serial Nos. 395,778–9; published Apr. 5, 1938.
Pumps, American Bitumuls Company. 357,776; June 14; Serial No. 401,464; published Apr. 5, 1938.
Screen separating machines, Vibrated. Robins Conveying Belt Company. 357,692; June 14; Serial No. 393,550; published Oct. 19, 1937.
Screen separating machines, Vibrated. Robins Conveying Belt Company. 357,693; June 14; Serial No. 393,554; published Oct. 19, 1937.
Shavers, Electric. Zephyr Shaver Corporation. 357,709; June 14; Serial No. 397,317; published Nov. 9, 1937.
Shavers, Electric dry. H. T. Schiff. 357,880; June 14.
Typewriting machines and parts of typewriting machines. E. Paillard & Cie. Société Anonyme. 357,671; June 14; Serial No. 384,669; published Apr. 5, 1938.

CLASS 24

Clothes washing machines and ironing tables. May Department Stores Company. 357,865; June 14.

CLASS 26

Ophthalmic mountings, parts, and fixtures. Uhlemann Optical Co. 121,363; renewed Apr. 23, 1938.
Scales, Weighing. J. B. Sowa. 357,827; June 14; Serial No. 402,449; published Apr. 5, 1938.

CLASS 27

Hair springs. Elgin National Watch Company. 357,852; June 14; Serial No. 403,004; published Apr. 5, 1938.
Watches, watchcases, and watch-movements. Adolphe Schwob, Inc. 122,536; renewed Aug. 20, 1938.

CLASS 28

Badges, lapel buttons, cuff links, etc., Fraternity. Kappa Kappa Kappa, Inc. 357,819; June 14; Serial No. 402,337; published Apr. 5, 1938.

CLASS 29

Brushes, Hair. Metalfield Incorporated. 357,670; June 14; Serial No. 383,892; published Apr. 5, 1938.

CLASS 31

Refrigerating apparatus and parts therefor. Lester U. Larkin, Inc. 357,843; June 14; Serial No. 402,727; published Apr. 5, 1938.

CLASS 32

Cabinet, Combination metal greeting card display and filing. Miller Art Co. Inc. 357,705; June 14; Serial No. 397,044; published Apr. 5, 1938.
Cushions, pads, and seats. Boston Leather Specialties Inc. 357,694; June 14; Serial No. 394,157; published Apr. 5, 1938.



Cushions, Seat. M. R. Hutchison. 357,722; June 14; Serial No. 399,092; published Apr. 5, 1938.
Mattresses, cots, chair-beds, etc. Sachs Quality Furniture, Inc. 357,720; June 14; Serial No. 399,013; published Apr. 5, 1938.
Spring core construction, Inner. Bella and Company. 357,874; June 14.

CLASS 33

Glass. Blue Ridge Glass Corporation. 357,803–4; June 14; Serial Nos. 402,055–6; published Apr. 5, 1938.

CLASS 34

Burners and parts thereof. M. Unseitig. 357,868; June 14.
Heating apparatus. Aga Stove Company. 357,764; June 14; Serial No. 401,127; published Apr. 5, 1938.
Range and sink, Combined gas or electric. Whitehead Metal Products Company of New York, Inc. 357,706; June 14; Serial No. 397,061; published Jan. 4, 1938.
Stoves, ranges, etc., Coal and wood. Phillips & Buttorff Mfg. Co. 123,270; renewed Oct. 22, 1938.

CLASS 35

Brake-linings. Thermoid Rubber Company. 123,294; renewed Oct. 22, 1938.

CLASS 36

Mandolins, guitars, tenor guitars, etc. J. M. Sahlein. 357,888; June 14.
Records, Phonograph. A. G. Wade. 357,712; June 14; Serial No. 397,784; published Apr. 5, 1938.

CLASS 37

Forms, Record. American Sales Book Company. 357,677–9; June 14; Serial Nos. 387,533–5; published Mar. 1, 1938.
Paper and fat, grease and moisture resistant heat insulating paper, Aluminum coated. Hartford City Paper Company. 357,845; June 14; Serial No. 402,317; published Apr. 5, 1938.
Paper-box stays, Gummed. Nashua Gummed and Coated Paper Company. 123,471; renewed Nov. 12, 1938.
Paper-clips. Owl Supply Company. 122,336; renewed July 23, 1938.
Pencils, Wood cased lead. Eagle Pencil Company. 357,750; June 14; Serial No. 400,724; published Apr. 5, 1938.
Stylli. A. B. Dick Company. 357,828; June 14; Serial No. 402,469; published Apr. 5, 1938.

CLASS 38

Advertising material. W. E. Cline. 357,840; June 14; Serial No. 402,679; published Apr. 5, 1938.
Magazines and periodicals. K. Hawley. 357,682; June 14; Serial No. 380,780; published Apr. 5, 1938.
Newspaper. State Journal Company. 357,832; June 14; Serial No. 402,542; published Apr. 5, 1938.
Periodical. Pierpix, Inc. 357,769; June 14; Serial No. 401,317; published Apr. 5, 1938.

CLASS 39

Apparel, Sporting. S. Fink. 357,866; June 14.
Capes, coats, suits, hats, etc., Rain. B. F. Goodrich Company. 357,773; June 14; Serial No. 401,383; published Apr. 5, 1938.
Clothing. Elder Manufacturing Company. 123,335; renewed Oct. 29, 1938.
Clothing. Pendleton Woolen Mills. 357,879; June 14.
Clothing, Men's and boys'. Knickerbocker Clothing Co. 357,796; June 14; Serial No. 401,819; published Apr. 5, 1938.
Coats and fur garments, Dyed coney fur. Globe Fur & Novelty Co. 357,872; June 14.
Coats, suits, dresses, etc., Children's. Rosenblatt and Kahn. 357,870; June 14.
Dresses. Glorious Sportswear Corp. 357,834; June 14; Serial No. 402,563; published Apr. 5, 1938.
Dresses. George Hess Co. Inc. 357,725; June 14; Serial No. 399,621; published Apr. 5, 1938.
Dresses, Children's. J. Tobin. 357,757; June 14; Serial No. 400,857; published Mar. 1, 1938.
Dresses, coats, and suits. Joanne Jr.-Zinn Bros. Inc. 357,869; June 14.
Dresses, frocks, and blouses. Alex Carafiol, Inc. 357,885; June 14.
Dresses, skirts, blouses, etc., Knitted. Joseph Guttman & Bros., Inc. 357,836; June 14.
Gloves. Queen City Textile Corporation. 357,838; June 14; Serial No. 402,650; published Apr. 5, 1938.
Hosiery. Sears, Roebuck and Co. 357,867; June 14.
Hosiery. A. C. Sidley & Co. 357,835; June 14; Serial No. 402,606; published Apr. 5, 1938.
Hosiery, underwear, dresses, shirts, etc. O. C. Thogersen. 357,873; June 14.
Mufflers. Paramount Cravat Co. Inc. 357,742; June 14; Serial No. 400,434; published Apr. 5, 1938.
Neckwear. Frank & Meyer Neckwear Company. 357,741; June 14; Serial No. 400,409; published Mar. 15, 1938.
Overalls. Finch, Van Slyck & McConville. 123,221; renewed Oct. 22, 1938.
Pajamas, nightgowns, kimonos, etc. Marvel Maid Garment Co. 357,871; June 14.

Petticoats, slips, bed jackets, etc. Davidson Bros. 357,715; June 14; Serial No. 398,759; published Apr. 5, 1938.
Shirts and pajamas. Broom and Newman. 357,830; June 14; Serial No. 402,508; published Apr. 5, 1938.
Shoes. Curtis-Stephens-Embry Co. 357,739; June 14; Serial No. 400,225; published Mar. 15, 1938.
Shoes. A. H. Geuting Company. 357,711; June 14; Serial No. 397,658; published Mar. 1, 1938.
Shoes, Women's. Shu-Stiles, Incorporated. 357,770–1; June 14; Serial Nos. 401,355–6; published Apr. 5, 1938.
Skirts. Correct Garment Co. 357,816; June 14; Serial No. 402,291; published Apr. 5, 1938.
Slippers or shoes. Racine Shoe Manufacturing Company. 357,847; June 14; Serial No. 402,918; published Apr. 5, 1938.
Slips. Kewpie Lingerie Inc. 357,672; June 14; Serial No. 385,737; published Mar. 9, 1937.
Sweaters and scarves, underwear, etc. (See Robert Pringle & Son (U. S. A.) Ltd. 357,882; June 14.

CLASS 40

Hair curler pads. E. F. Beck. 357,752; June 14; Serial No. 400,750; published Apr. 5, 1938.

CLASS 42

Corduroy fabrics. Crompton Company. 357,814; June 14; Serial No. 402,251; published Apr. 5, 1938.
Napkins, tablecloths, furniture scarfs, etc. "Sniders'". 357,674; June 14; Serial No. 386,746; published Apr. 5, 1938.
Organdy piece goods. M. Fisher. 357,762; June 14; Serial No. 401,105; published Apr. 5, 1938.
Piece goods. Kenyon Sales Corp. 357,848; June 14; Serial No. 402,944; published Apr. 5, 1938.
Piece goods. Pendleton Woolen Mills. 357,880; June 14.

CLASS 43

Filaments in staples having high tensile strength, Artificial textile. Società Anonima Snia-Viscosa, Società Nazionale Industria Applicazioni Viscosa. 357,695; June 14; Serial No. 395,245; published Mar. 22, 1938.
Threads and elastic yarns, Elastic. R. Steigman. 357,759; June 14; Serial No. 401,003; published Apr. 5, 1938.
Threads, Elastic. R. Steigman. 357,760; June 14; Serial No. 401,005; published Apr. 5, 1938.

CLASS 44

Medicators. Hospital Specialty Company. 357,810; June 14; Serial No. 402,185; published Apr. 5, 1938.
Permanent waving pads. W. A. Gilbert. 357,731; June 14; Serial No. 390,928; published Apr. 5, 1938.
Sanitary liners for diapers. A. P. W. Paper Company. 357,745; June 14; Serial No. 400,545; published Apr. 5, 1938.
Sanitary napkins. Curt G. Joa, Inc. 357,846; June 14; Serial No. 402,910; published Apr. 5, 1938.
Surgical needles. English Needle & Fishing Tackle Company Limited. 357,784; June 14; Serial No. 401,561; published Apr. 5, 1938.
Tampons. W. H. Gilbert. 357,831; June 14; Serial No. 402,518; published Apr. 5, 1938.
Therapeutic machines, Electrical. Dixon and Dumbolton. 357,690; June 14; Serial No. 393,369; published Apr. 5, 1938.
Toothpicks. Wausau Manufacturing Co. 122,553; renewed Aug. 20, 1938.
Treatment table, Mechanical. O. N. Donnahoe. 357,815; June 14; Serial No. 402,252; published Apr. 5, 1938.

CLASS 45

Beverages, and rootbeer. T. P. Hartness. 357,856; June 14; Serial No. 403,128; published Apr. 5, 1938.
Beverages and sirups and extracts for making the same. Hammer Food Products Corporation. 357,792; June 14; Serial No. 401,608; published Feb. 22, 1938.
Water and beverages and sirups and extracts for making the same, Mineral. J. A. Williams. 357,761; June 14; Serial No. 401,038; published Feb. 22, 1938.

CLASS 46

Bread and cake. Polish Master Bakers Association, Inc. 357,738; June 14; Serial No. 400,181; published Apr. 5, 1938.
Butter. H. C. Christians Co. 357,875; June 14.
Butter, cheese, and eggs. Borden Company. 357,806; June 14; Serial No. 402,113; published Apr. 5, 1938.
Candies, Chocolate covered. E. F. Kemp, Inc. 357,716; June 14; Serial No. 398,774; published Feb. 8, 1938.
Candy. Curtiss Candy Company. 357,817; June 14; Serial No. 402,331; published Mar. 29, 1938.
Candy. Schutter Candy Company. 357,684; June 14; Serial No. 390,672; published June 8, 1937.
Candy. Schutter Candy Company. 357,753; June 14; Serial No. 400,796; published Feb. 15, 1938.
Canned fruits. Federated Foods, Inc. 357,793; June 14; Serial No. 401,663; published Apr. 5, 1938.
Canned grapefruit, canned grapefruit juices for food purposes. Florida Citrus Canners Cooperative. 357,755; June 14; Serial No. 400,834; published Feb. 22, 1938.
Canned peas. Howard E. Jones & Company. 357,890; June 14.

Canned peas. San Juan Islands Cannery. 357,791; June 14; Serial No. 401,587; published Mar. 22, 1938.
Chocolate mixture in powder form, Malt. Santiago Development Corporation. 357,826; June 14; Serial No. 402,446; published Apr. 5, 1938.
Coffee, Chase & Sanborn. 123,331; renewed Oct. 29, 1938.
Compound incorporating molasses carrying vitamins for use as an animal food and as a supplement in animal food mixtures. Vitamol, Inc. 357,737; June 14; Serial No. 400,143; published Apr. 5, 1938.
Crackers. Loose-Wiles Biscuit Company. 122,328; renewed July 23, 1938.
Flour. General Mills, Inc. 357,805; June 14; Serial No. 402,090; published Apr. 5, 1938.
Flour. General Mills, Inc. 357,836; June 14; Serial No. 402,028; published Apr. 5, 1938.
Flour. Oven-Kwik Corporation. 357,680; June 14; Serial No. 389,371; published Apr. 5, 1938.
Fruit juice concentrates (synthetic). Mission Dry Corporation. 357,778; June 14; Serial No. 401,496; published Apr. 5, 1938.
Fruits, Fresh citrus. Midway Corporation. 357,758; June 14; Serial No. 400,985; published Apr. 5, 1938.
Mix used for preparing soup, Dry. Kitchen Art Foods Inc. 357,707; June 14; Serial No. 397,081; published Apr. 5, 1938.
Oranges, Fresh. J. H. Hinkle. 357,665; June 14; Serial No. 347,640; published Mar. 8, 1938.
Sandwich spread. Swift and Company. 357,730; June 14; Serial No. 399,862; published Apr. 5, 1938.
Spices and compounds. Fuller Products Co. 357,884; June 14.
Tapioca and mayonnaise dressing. McCormick & Co. 121,467; renewed Apr. 30, 1938.
Tea. J. A. Sohm. 357,876; June 14.

CLASS 47

Wines. Justerini & Brooks Limited. 357,800; June 14; Serial No. 402,007; published Apr. 5, 1938.

CLASS 48

Cereal beverage. Milwaukee-Waukesha Brewing. 123,373; renewed Oct. 29, 1938.
Malt beverages. Harvard Brewing Co. 357,664; June 14; Serial No. 345,336; published Mar. 22, 1938.

CLASS 49

Gin. General Distilleries Corporation. 357,667; June 14; Serial No. 356,031; published Oct. 18, 1934.
Whiskey, dry gin, fruit gins, etc. Clyde Collins Liquors, Inc. 357,809; June 14; Serial No. 402,178; published Mar. 1, 1938.
Whiskies, gins, and alcoholic cordials. Kraus Bros. & Co. 357,883; June 14.

CLASS 50

Dress forms. Siegel-Lyttle, Inc. 357,849; June 14; Serial No. 402,956; published Apr. 5, 1938.
Monuments and memorials, Granite. Rock of Ages Corporation. 357,850; June 14; Serial No. 402,987; published Apr. 5, 1938.

## LIST OF LABELS

A Liquid Food for Puppies and Young Dogs. For a Liquid Food for Puppies and Young Dogs. Life Products, Inc. 51,337; June 14.
Alkamid. For Medicinal Tablets. Hart Drug Corporation. 51,315; June 14.
Amirol Color & Oil Shampoo Treatment. For a Color and Oil Shampoo. Amirol-Admiracion Sales Corporation. 51,285; June 14.
Amontillado Solera No. 51. For Dry Sherry. Allen-Diaz, Inc. 51,284; June 14.
Beautiful Shoes. For Footwear. A. C. Clayton Printing Co. 51,296; June 14.
Bonita Blackberry Wine. For Blackberry Wine. L. E. L. Sales Company. 51,333; June 14.
Branded Lee. For Cowboy Pants. H. D. Lee Mercantile Company. 51,335; June 14.
Builders Brand. For Grapefruit. Better Business Builders, Inc. 51,289; June 14.
Bullock's Junior Footwear. For Footwear. A. C. Clayton Printing Co. 51,294; June 14.
Charlie McCarthy. For Lead Pencils. Charlie McCarthy, Inc. 51,340; June 14.
Charlie McCarthy. For Scrap Books. Western Tablet & Stationery Corporation. 51,379; June 14.
Checkerola. For a Game. C. M. Woodard. 51,381; June 14.
Chicago Motor Club. For Cigars. Metropolitan Cigar Corporation. 51,345; June 14.
Coffee. For Coffee. Thomas M. Royal & Company. 51,359; June 14.
Cold Springs Mineral Water. For Mineral Water. J. D. Stern. 51,367; June 14.
Colonial Master Painters Flat. For an Interior Flat Finish Paint. Colonial Works. 51,298; June 14.
Colonial Screen Paint. For Screen Paint. Colonial Works. 51,299; June 14.
Composite Garment. For Garments. Garment Patents Inc. 51,311; June 14.
Cutler's Royal-A Carrots. For Fresh Carrots. R. A. Cutler. 51,302; June 14.
Cup-N-Saucer Brand. For Coffee. S. A. Schonbrunn & Co. 51,361; June 14.
Elam's Wholegrain Vegetable Bread. For Bread. Elam Mills Inc. 51,306; June 14.
Faytal Insect Spray. For an Insecticide. Union Oil Company of California. 51,369; June 14.
Four Season. For Sport Jackets. Hirsch-Weis Manufacturing Company. 51,316; June 14.
Garcia Grande Cigars "Taste Protected". For Cigars. Garcia Grande Cigars, Incorporated. 51,310; June 14.
Glad-Foot Antiseptic Foot Bath Powder. For Antiseptic Foot Bath Powder. E. S. Andrews. 51,286; June 14.
Gold Coast. For Pale Beer. Bieser Brewing Co. 51,290; June 14.
Honeylact Bonbons. For Candy. A. Vradis. 51,375; June 14.
Huber's Fresh Bread. For Bread. Huber Baking Company. 51,317; June 14.
If I Were a Man—I'd Choose Charles Cravats. For Cravats. Chas. H. Levy Co. 51,336; June 14.
Junior Footwear. For Footwear. A. C. Clayton Printing Co. 51,295; June 14.
Keame. For Chewing Gum. Gumakers of America, Inc. 51,312; June 14.
King Kold. For Ice Cream. J. Spragia. 51,364; June 14.
Kleenex Tissues. For Tissues. International Cellucotton Products Company. 51,318; June 14.
Kroger's Latonia Club Ginger Ale. For Ginger Ale. Kroger Grocery & Baking Company. 51,325; June 14.
Kroger's Latonia Club Imitation Grape Soda. For Imitation Grape Soda. Kroger Grocery & Baking Company. 51,328; June 14.
Kroger's Latonia Club Imitation Strawberry Soda. For Imitation Strawberry Soda. Kroger Grocery & Baking Company. 51,330; June 14.
Kroger's Latonia Club Lemon Lime Soda. For Lemon Lime Soda. Kroger Grocery & Baking Company. 51,327; June 14.
Kroger's Latonia Club Lime Rickey. For Lime Rickey Made with Lime Pulp and Lemon. Kroger Grocery & Baking Company. 51,324; June 14.
Kroger's Latonia Club Lithiated Lemon Soda. For Lithiated Lemon Soda. Kroger Grocery & Baking Company. 51,331; June 14.
Kroger's Latonia Club Orange Soda. For Orange Soda. Kroger Grocery & Baking Company. 51,326; June 14.
Kroger's Latonia Club White Soda. For Carbonated Water With Sweetening and Citric Acid Added. Kroger Grocery & Baking Company. 51,329; June 14.
Kurfees. For House Paint. J. F. Kurfees Paint Company. 51,332; June 14.
Lipton Choice Blended English Breakfast Tea (Purple and Gold). For Choice Blended English Breakfast Tea. Thomas J. Lipton, Inc. 51,338; June 14.
Lipton Choicest Blend of Ceylon & India Orange Pekoe & Pekoe Tea (Yellow & Red). For Choicest Blend of Ceylon and India Orange and Pekoe Tea. Thomas J. Lipton, Inc. 51,339; June 14.
Lou-Ana's Bread. For Bread. L. C. Strauss. 51,368; June 14.
Lubricates to the Last Drop—Hits the Spot for Lubrication. For Motor Oil. A. Phillips Service. 51,355; June 14.
M & B Ice Cream. For Ice Cream. Menasha Products Company. 51,342; June 14.
Marigold. For Pure Georgia Cane and Corn Syrup. Penick & Ford, Ltd., Incorporated. 51,354; June 14.
New York Fair Modeling Set. For Modeling Sets. Standard Toykraft Products, Inc. 51,366; June 14.
Nonaim. For an Arterial Fluid. National Wreath & Supply Co. 51,349; June 14.
Nu-Hair. For a Hair Dressing. Coryell, Inc. 51,300; June 14.
Nut Meats. For Chocolate Covered Nut Meats. F. H. Roberts Company. 51,358; June 14.
O K. For an Automobile Cleaner. T. R. Dunlevy. 51,303; June 14.
O T S. For Face Tents. Oxygen Therapy Service, Inc. 51,352; June 14.
Pen-Ease. For History Paper. Carpenter Paper Company. 51,293; June 14.
Pipemaster. For a Drain Pipe Cleaner. Bray Chemical Co. 51,292; June 14.
Plasti-Kote. For Heat Insulation. P. Kaplan. 51,321; June 14.
Pot Luck. For a Game. E. E. Fairchild Corporation. 51,308; June 14.
Queen Ant Control. For a Preparation for Destroying Ants. Queen Ant Control, Inc. 51,356; June 14.
Quick-Ade. For Soft Drink Powders. Skinner Manufacturing Company. 51,363; June 14.
Real Gold. For California Orange Juice. Mutual Orange Distributors. 51,348; June 14.
Reeal. For a Liniment. M. J. Morse. 51,346; June 14.
Regina. For California Sparkling Burgundy. Ellena Bros. 51,307; June 14.
Rex Dog Sahmpoo. For Dog Shampoo. Atwell & Kessler. 51,287; June 14.
Rhyme-A-Lings Rhyming Game. For a Rhyming Game. Rhyme-A-Lings Company of America, Inc. 51,357; June 14.
Rust-Solv. For a Rust Solvent Penetrating Fluid. F. C. Joy. 51,319–20; June 14.
Sally-Ann Ice Cream. For Ice Cream. Menasha Products Company. 51,341; June 14.
Sitrimin. For a Gastric Antacid and Adsorbent. Hart Drug Corporation. 51,313–14; June 14.
Soilax Formula "A". For a Cleanser and Water Softener. Economics Laboratory, Inc. 51,305; June 14.
Soilax Formula "B". For a Cleanser and Water Softener for Wall Washing, Paint Cleaning, and General Use. Economics Laboratory, Inc. 51,304; June 14.
Solo. For Straight Bourbon Whiskey. Philip Blum & Company. 51,291; June 14.
South America Pride. For Coffee. J. J. Faraco. 51,309; June 14.
Spurr's Old San Francisco. For a Sauce for Steaks. M. Spurr. 51,365; June 14.
Star Moly Hack Saws. For Hack Saws. Clemson Bros., Inc. 51,297; June 14.
Sunny Italy. For California Wines. Old Reliable Distributors, Inc. 51,350; June 14.
Sunny State Fancy Creamery Butter. For Butter. J. G. Ruvolo. 51,360; June 14.
Swank 1000 Sheets—Size 4¼ x 5. For an All Purpose Toilet and Facial Tissue. Veldown Company. 51,370; June 14.
Sweetland. For Table Syrup. Penick & Ford, Ltd. Incorporated. 51,353; June 14.
Tetraclean Solvent. For Solvent. Ayr-Mor Laundry Machinery Company. 51,288; June 14.
The Men's Fashion Advertiser. For Mats and Cuts. Cramer-Tobias-Meyer. 51,301; June 14.
The World's Best Work Shirt. For Work Shirts. Oshkosh B'Gosh, Inc. 51,351; June 14.
Thermalin. For Plastic Insulation for Heat Control. P. Kaplan. 51,322; June 14.
Tone Up. For Carbonated Mixer. Warwick Club Ginger Ale Co. 51,376; June 14.
Train Egg Carton. For Egg Cartons. L. Schwartzberg. 51,362; June 14.
Veldown 36 Regular Size Napkins. For Napkins. Veldown Company. 51,372; June 14.
Veldown 48 Regular Size Napkins. For Napkins. Veldown Company. 51,371; June 14.
Victor Hack Saws. For Hack Saws. Victor Saw Works, Inc. 51,374; June 14.
Victor Moly Hack Saw Blades. For Hack Saw Blades. Victor Saw Works, Inc. 51,373; June 14.
Xtra Hi. For Sweet Mixed Pickles. C. C. Lang & Son, Inc. 51,334; June 14.
Wal-Kleen. For Paint Cleaner. Chas. A. Krause Milling Co. 51,323; June 14.
Weave-It. For a Game. S. Welty. 51,378; June 14.
Welbro. For Bathroom Tissue. Welsberger Bros. 51,377; June 14.
White Flash. For Paint. M. J. Merkin Paint Co. 51,343–4; June 14.
Who's Lucky. For California Wine. W. B. Milliken, Jr. 51,347; June 14.
Wilson's Ideal French Dressing. For French Dressing. C. M. Wilson. 51,380; June 14.

## LIST OF PRINTS

Aero. For Milk Chocolate. Hershey Chocolate Corporation. 16,872; June 14.
Can Opener with Cap Puller. For Can Openers. Acme Metal Goods Mfg. Co. 16,869; June 14.
Cooling Popsicle Refreshing 5¢. For a Frozen Water-Ice Confection on a Stick. Joe Lowe Corporation. 16,880; June 14.
Cup Cakes. For Cup Cakes. Tasty Baking Company. 16,889; June 14.
Fizrite. For a Rubber Bottle Cap. Lane Manufacturing Co. 16,876; June 14.
Fudgicle The Fudge Freeze 5¢ Nourishing. For a Frozen Confection on a Stick. Joe Lowe Corporation. 16,879; June 14.
Four Star Fountain Service Borden's Ice Cream. For Ice Cream. Borden Company. 16,870; June 14.
Hershey's Syrup. For a Chocolate Flavored Syrup. Hershey Chocolate Corporation. 16,873; June 14.
Hi Grade Rubber Tubing. For Rubber Tubing. Essex Rubber Company. 16,871; June 14.
How to Play the Game Ritsy. For a Game. F. Rizzi. 16,885; June 14.
If I Were a Man. For Cravats. Chas. H. Levy Co. 16,877; June 14.
It's Good—It's Big Cheerio. For Deliciously Coated Ice Cream Confections on a Stick. Joe Lowe Corporation. 16,878; June 14.
Klix Kernels. For Toasted Soy Beans. Klix Inc. 16,875; June 14.
Let's Get Down to Cases. For Display Cases Equipped With General Electric Refrigeration. McCall Refrigerator Corporation. 16,882; June 14.
Light and Airy. For Pretzels. Tasty Baking Company. 16,890; June 14.
Listen on th' Radio After May 1st Nifty Gifts, Creamsicle Deliciously Coated Ice Cream 5¢. For a Coated Ice Cream Confection on a Stick. Joe Lowe Corporation. 16,881; June 14.
No. E–21. For Cigarettes. R. J. Reynolds Tobacco Co. 16,884; June 14.
Selmer Band Instrument Oils. For Band Instrument Oils. H. & A. Selmer Inc. 16,887; June 14.
Selmer Joint Grease. For Grease for Wood and Metal Joints on Musical Instruments. H. & A. Selmer Inc. 16,886; June 14.
Selmer Polishes. For Metal and Silver Polishes. H. & A. Selmer Inc. 16,888; June 14.
Step Out in Oshkosh B'Gosh. For Matched Shirts and Pants. Oshkosh B'Gosh, Inc. 16,883; June 14.
The Tudor. For Neckties. Keys & Lockwood. 16,874; June 14.

## LIST OF REISSUE PATENTEES

# LIST OF REISSUE PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 14TH DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Babson, Roger W., Wellesley, Mass. Parking meter. Re. 20,764; June 14.

Baumeister, Fitch J., Park Ridge, assignor, by mesne assignments, to North American Service Company, Chicago, Ill. Sign. Re. 20,756; June 14.

Blakeley, Richard M., Hamilton, Ohio, assignor, by mesne assignments, to Monopower Corporation, Detroit, Mich. Transmission. Re. 20,757; June 14.

Curtiss, Frank R., New Haven, Conn. Fastening trousers cuff. Re. 20,758; June 14.

Farnsworth, Philo T., assignor to Farnsworth Television Incorporated, San Francisco, Calif. Electron multiplier. Re. 20,759; June 14.

Farnsworth Television Incorporated. (See Farnsworth, Philo T., assignor.)

Ludington, Nelson A., New Haven, Conn. Transportation means. Re. 20,760; June 14.

Monopower Corporation. (See Blakely, Richard M., assignor.)

North American Service Company. (See Baumeister, Fitch J., assignor.)

Prüss, Max, Essen, Germany. Clarification plant. Re. 20,761; June 14.

Thompson, Henry C., Holyoke, Mass. Floor waxing device. Re. 20,762; June 14.

Williams, Charles B., Shaker Heights, Ohio. Wringer. Re. 20,763; June 14.

# LIST OF DESIGN PATENTEES

American-National Company, The. (See Snell, Samuel A., assignor.)

Antkies, Jack, New York, N. Y. Textile fabric. 110,080; June 14.

Antkies, Jack, New York, N. Y. Textile fabric. 110,081; June 14.

Arrow Manufacturing Company. (See Weill, Milton, assignor.)

Arton Studios. (See Bartlett, Ernest, assignor.)

Avon Shoe Company. (See Levin, David, assignor.)

Baily, Mildred B., Norristown, Pa. Combination ashtray. 110,103; June 14.

Bartlett, Ernest, Collegeville, assignor to Arton Studios, Philadelphia, Pa. Lamp base. 110,104; June 14.

Bartlett, Ernest, Collegeville, assignor to Arton Studios, Philadelphia, Pa. Lamp base. 110,105; June 14.

Bartlett, Ernest, Collegeville, assignor to Arton Studios, Philadelphia, Pa. Lamp base. 110,106; June 14.

Bartlett, Ernest, Collegeville, assignor to Arton Studios, Philadelphia, Pa. Lamp base. 110,107; June 14.

Bartlett, Ernest, Collegeville, assignor to Arton Studios, Philadelphia, Pa. Lamp base. 110,108; June 14.

Bartlett, Ernest, Collegeville, assignor to Arton Studios, Philadelphia, Pa. Lamp base. 110,109; June 14.

Behrel, Giraud W., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Service bar back counter. 110,064; June 14.

Behrel, Giraud W., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Service bar back counter. 110,065; June 14.

Bogress, Thomas G., Kirksville, Mo. Token dispenser. 110,082; June 14.

Brewer, Chas. A., & Sons. (See Brewer, Everett R., assignor.)

Brewer, Everett R., assignor to Chas. A. Brewer & Sons, Chicago, Ill. Hot dish mat. 110,066; June 14.

Brockway Glass Company. (See Mengle, Glenn A., assignor.)

Brunswick-Balke-Collender Company, The. (See Behrel, Giraud W., assignor.)

Brunswick-Balke-Collender Company, The. (See Deskey, Donald, assignor.)

Crosley Radio Corporation, The. (See Tyzzer, Howard J., assignor.)

Deskey, Donald, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Billiard table. 110,083; June 14.

Downes, Mary S., Tenafly, N. J. Hat. 110,084; June 14.

Eagleson, Jesse G., Johnson County, Kans., assignor to The Garden Shop, Inc., Kansas City, Mo. Hand truck. 110,110; June 14.

Eastman Kodak Company. (See Martin, Lawrence R., assignor.)

Emmerich, Theresa, New York, N. Y. Textile fabric. 110,129; June 14.

Exelmans, Maurice, Paris, France, assignor to Verlys of America, Inc., New York, N. Y. Vase. 110,085; June 14.

Feintuck, Rose, New York, N. Y. Dress ensemble. 110,086; June 14.

Fowler, Le Ray, New York, N. Y. Doll or similar article. 110,130; June 14.

Fracchia, Pauline, New York, N. Y. Dress. 110,087; June 14.

Fracchia, Pauline, New York, N. Y. Dress. 110,131; June 14.

Fracchia, Pauline, New York, N. Y. Dress. 110,132; June 14.

Fracchia, Pauline, New York, N. Y. Dress. 110,133; June 14.

Frankel, Max, New York, N. Y. Dress. 110,088; June 14.

Frankel, Max, New York, N. Y. Dress. 110,118; June 14.

Gantner & Mattern Company. (See Upland, Theodore R., assignor.)

Garden Shop, Inc., The. (See Eagleson, Jesse G., assignor.)

General Time Instruments Corporation. (See Schlenker, Max, assignor.)

Gill Glass & Fixture Company. (See Orth, Richard, assignor.)

Glasebrook, Mae A., Memphis, Tenn. Gift novelty. 110,119; June 14.

Globe-Wernicke Company, The. (See Hearn, Thomas, assignor.)

Goldsmith, Samuel R., New York, N. Y. Handbag. 110,137; June 14.

Goodman, Ben, Baltimore, Md. Tire. 110,089; June 14.

Hauptman, William R., Los Angeles, Calif. Cellaret. 110,067; June 14.

Hearn, Thomas, Ludlow, Ky., assignor to The Globe-Wernicke Company, Norwood, Ohio. Wastebasket. 110,111; June 14.

Hickok Manufacturing Company. (See Shields, Lowell W., assignor.)

Injection Moulding Corporation. (See Whyte, D. D., and Kayn, assignors.)

Jones, Elmer J., San Francisco, Calif. Combined brush and razor holder. 110,090; June 14.

Juul, Arne, Hayward, Wis., and R. Juul, Evanston, Ill. Artificial bait. 110,091; June 14.

Juul, Reidar. (See Juul, Arne and R.)

Kaminsky, Rubin, New York, N. Y. Slipper. 110,134; June 14.

Kaplan, Jack I., Carthage, Mo. Shoe. 110,068; June 14.

Kayn, Stephen F. (See Whyte, D. D., and Kayn.)

Kestenman Bros. Mfg. Co. (See Kestenman, Charles H., assignor.)

Kestenman, Charles H., assignor to Kestenman Bros. Mfg., Co., Providence, R. I. Watch bracelet or the like. 110,092; June 14.

Kestenman, Charles H., assignor to Kestenman Bros., Mfg., Co., Providence, R. I. Bracelet chain or the like. 110,093; June 14.

Koppel, Alfons. (See Wichmann, W., and Koppel.)

Kostellow, Rowena R., assignor to United States Glass Co., Pittsburgh, Pa. Goblet or similar article. 110,112; June 14.

Krans, Walter S., New York, N. Y. Deflector for infant's toilet seat. 110,120; June 14.

Kushner, Jacob J., New York, N. Y. Dress. 110,094; June 14.

La Giusa, Rose, New York, N. Y. Dress. 110,095; June 14.

Leavenworth, Ralph W., Shaker Heights, assignor to The National Screw & Manufacturing Company, Cleveland, Ohio. Advertising figure. 110,096; June 14.

Levin, David, assignor to Avon Shoe Company, New York, N. Y. Shoe. 110,069; June 14.

Levine, Sam, New York, N. Y. Sweater ensemble. 110,121; June 14.

Lipp, Frank, Brooklyn, N. Y. Heel for a shoe. 110,122; June 14.

Marcell, Carroll K., New York, N. Y. Combined make-up box and mirror. 110,113; June 14.





Martin, Lawrence R., assignor to Eastman Kodak Company, Rochester, N. Y. Finder for cameras. 110,070; June 14.

Tyzzer, Howard J., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Automobile radio set. 110,114; June 14.

Martin, Lawrence R., assignor to Eastman Kodak Company, Rochester, N. Y. Finder for cameras. 110,070; June 14.
Mengle, Glenn A., assignor to Brockway Glass Company, Inc., Brockway, Pa. Ashtray. 110,097; June 14.
Moorman, Charles L., Blue Island, Ill. Road marker. 110,098; June 14.
National Screw & Manufacturing Company, The. (See Leavenworth, Ralph W., assignor.)
Olean Glass Company. (See Smith, George, Jr., assignor.)
Orth, Richard, assignor to Gill Glass & Fixture Company, Philadelphia, Pa. Light diffusing torchiere shade. 110,114; June 14.
Pace, Thomas, and C. T. Walker, San Jose, Calif. Sunshade. 110,123; June 14.
Ritter, Saul, New York, N. Y. Bracelet chain. 110,099; June 14.
Saccal, Oscar A., Brooklyn, N. Y. Slipper. 110,071; June 14.
Saccal, Oscar A., Brooklyn, N. Y. Slipper. 110,072; June 14.
Saccal, Oscar A., Brooklyn, N. Y. Slipper. 110,073; June 14.
Schlenker, Max, La Salle, Ill., assignor to General Time Instrument Corporation, New York, N. Y. Clock casing. 110,124; June 14.
Schultz, Henry, Brooklyn, N. Y. Dress. 110,135; June 14.
Scurlock, Lewis H., Chicago, Ill. Fruit juice extractor. 110,074; June 14.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Jewelry box. 110,125; June 14.
Smith, George, Jr., assignor to Oleon Glass Company, Oleon, N. Y. Bottle. 110,115; June 14.
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Velocipede. 110,100; June 14.
Tyzzer, Howard J., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Automobile radio set. 110,116; June 14.
United States Glass Co. (See Kostellow, Rowena R., assignor.)
Upland, Theodore R., assignor to Gantner & Mattern Company, San Francisco, Calif. Textile fabric. 110,136; June 14.
Verlys of America, Inc. (See Exelmans, Maurice, assignor.)
Walker, Cass T. (See Pace, T., and Walker.)
Weidner, Victor, Port Washington, assignor to The Western Union Telegraph Company, New York, N. Y. Teleprinter cabinet. 110,126; June 14.
Weill, Milton, New York, N. Y., assignor to Arrow Manufacturing Company, Inc., Hoboken, N. J. Display container for jewelry or similar article. 110,075; June 14.
Weis, Albert M., Milwaukee, Wis. Skillet. 110,117; June 14.
Wertheim, Adolph, Brooklyn, N. Y. Shoe or similar article. 110,076; June 14.
Western Union Telegraph Company, The. (See Weidner, Victor, assignor.)
Whyte, Daniel D., and S. F. Kayn, assignors to Injection Moulding Corporation, New York, N. Y. Barrette. 110,127; June 14.
Whyte, Daniel D., and S. F. Kayn, assignors to Injection Moulding Corporation, New York, N. Y. Barrette. 110,128; June 14.
Wichmann, William, and A. Koppel, New York, N. Y. Textile fabric or similar article. 110,101; June 14.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 110,077; June 14.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 110,078; June 14.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 110,079; June 14.
Zavell, Arnold, New York, N. Y. Textile fabric or similar article. 110,102; June 14.

# LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 14TH DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ackermann, Franz. (See Graenacher, C., Bruengger, and Ackermann.)
Adams, Herbert L., Washington, D. C. Detachable cabin with parachute. 2,120,477; June 14.
Adkins, Bernard, Rugby, England, assignor to General Electric Company. System of electric motor control. 2,120,848; June 14.
Agee, George. (See Nifong, Thomas H., assignor.)
Air Devices Corporation. (See Boothby, Donald D., assignor.)
Aitken, Andrew W. (See Greiner, C. F., and Aitken.)
Akeley Camera, Inc. (See Spence, J. L., Jr., and Leventhal, assignors.)
Albertoll, John, San Francisco, Calif. Peach turner. 2,120,385; June 14.
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Automotive driving assembly. 2,120,594; June 14.
Allen-Bradley Company. (See Wilms, G. O., and Matthias, assignors.)
Alliance Machine Company, The. (See Yanney, George W., assignor.)
Allmänna Svenska Elektriska Aktiebolaget. (See Ericson, Nils, assignor.)
Almonte, Olive C., Sappho, Wash. Vanity case. 2,120,849; June 14.
Amann, Max, A. Lahl, and H. Hatsinger, Frankfort-on-the-Main, Germany. Printing telegraph receiver. 2,120,850; June 14.
American Anode Inc. (See Hansen, Merrill E., assignor.)
American Brake Company. (See Craig, Fred G., assignor.)
American Coach and Body Company. (See Larsen, Neil P., assignor.)
American Concrete and Steel Pipe Company. (See Carson, Francis L., assignor.)
American Cyanamid & Chemical Corporation. (See Andrews, Chester E., assignor.)
American Electric Fusion Corporation. (See Watson, Harry C., assignor.)
American Gasaccumulator Company. (See Luce, Richard W., assignor.)
American Hard Rubber Company. (See Hunt, Kenneth E., assignor.)
American Hard Rubber Company. (See Klippel, H. B., and Sorrick, assignors.)
American Hospital Supply Corporation. (See McGaw, Foster G., assignor.)
American Lithographic Division of the United States Printing and Lithograph Company. (See Koeble, Albert, assignor.)
American Telephone and Telegraph Company. (See Beattie, J. F., and Cunningham, assignor, and Roycroft.)
American Well Works, The. (See Walker, James D., assignor.)
Amsler, Walter O., Toledo, Ohio, assignor, by mesne assignments, to Frazier-Simplex, Inc., Washington, Pa. Annealing lehr. 2,120,452; June 14.
Amsler, Walter O., Toledo, Ohio, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for annealing glassware. 2,120,947; June 14.
Amundsen, Paul L., Detroit, Mich. Electroplating barrel. 2,120,478; June 14.
Anderson, Bert J., Hammond, Ind. Combination fork and fender. 2,120,453; June 14.
Anderson, Bert J., Hammond, Ind. Rear frame member. 2,120,454; June 14.
Anderson, Robert H. (See Taylor, R. S., Torrance, and Anderson.)
Andrews, Chester E., West Brookline, Upper Darby, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation. Oxidising naphthalene to phthalic anhydride. 2,120,538; June 14.
Andrews, Fred E., Ware, Mass. Blotter. 2,120,479; June 14.
Anthes, Eugen. (See Pier, M., Anthes, and Schappert.)
Apple, Bessie D. (See Cotterman, Frederick W.)
Ardco Manufacturing Company. (See Stern, Charles, assignor.)
Armstrong, Harry G., Fairfield, Ohio. First aid kit. 2,120,234; June 14.
Armstrong Paint & Varnish Works. (See Gray, Jesse L., assignor.)
Arnold, Robert B., Stonewall Courts, Va., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky. Nicotine composition. 2,120,225; June 14.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Pyrophoric lighting mechanism. 2,120,226; June 14.
Arrow-Hart & Hegeman Electric Company, The. (See Bentley, Robert H., assignor.)
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Ash, Charles S., Milford, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Forming brake drums or like structures. 2,120,595; June 14.
Assbroicher, Heinz, Hanover-Kleefeld, and K. Huff, Hanover-Herrenhausen, assignors to Continental Gummi-Werke Aktiengesellschaft, Hanover, Germany. Making molds. 2,120,881; June 14.
Austenal Laboratories, Inc. (See Zahn, Erich H., assignor.)
Automatic Motor Stop and Start, Inc. (See Good, John, assignor.)
Automatic Products Company. (See Johnson, Roy W., assignor.)
Automobile Club of Southern California. (See Doig, Don S., assignor.)
Avey, Albert F., Vienna, Ga. Telescreen. 2,120,596; June 14.
Baash, Lawrence F., and C. H. Hardies, assignors to Baash-Ross Tool Company, Los Angeles, Calif. Control for boring machines. 2,120,386; June 14.
Baash-Ross Tool Company. (See Baash, L. F., and Hardies, assignors.)
Babel, Edward. (See Beauchamp, Harold G., assignor.)
Baer, Norman S., Montclair, N. J., assignor to Wilmington Fibre Specialty Company. Cutting stick. 2,120,926; June 14.
Bagdadi, Mary, et al. (See Kadri, Vassaf, assignor.)
Bakelite Building Products Co. (See Schuh, Charles H., assignor.)
Bakelite Corporation. (See Weelands, Johnstone E., assignor.)
Baker, Blake, assignor to E. Stonehill, St. Petersburg, Fla. Revolving road map and card holder. 2,120,726; June 14.
Baker Box Company. (See Curtis, Philip N., assignor.)
Baker, Donald R., New York, N. Y., and H. P. Nordmark, Grand Rapids, Mich., assignors to Kay Displays, Inc., New York, N. Y. Display device. 2,120,307; June 14.
Baker Perkins Company. (See Thürling, Hermann, assignor.)
Baker, Roy C., Denver, Colo. Insulating terminal for neon tubes. 2,120,480; June 14.
Baldwin-Southwark Corporation. (See Troxell, George E., assignor.)
Ballantine, Stuart, Mountain Lakes, N. J. Modulator. 2,120,882; June 14.
Bancroft, Alfred G., Dunn, N. C., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Refrigerator car. 2,120,345; June 14.
Barcy, William W., Detroit, Mich. Hanger. 2,120,828; June 14.
Bargdill, George E. L., Donnelsville, assignor to Robbins & Myers, Inc., Springfield, Ohio. Electric motor. 2,120,321; June 14.
Bargeboer, Adolf, The Hague, Netherlands. Device for burning atomised liquid fuel. 2,120,387; June 14.
Bargeboer, Adolf, The Hague, Netherlands. Atomizer for hydrocarbons. 2,120,388; June 14.
Barnebl, August J., Chicago, assignor to Swenson Evaporator Company, Harvey, Ill. Rotary filter. 2,120,455; June 14.
Barnes, Frank, Brookline, Mass. Ornamental device. 2,120,456; June 14.
Barraja-Frauenfelder, Joseph, Swarthmore, assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa. Internal-combustion engine. 2,120,666; June 14.
Barrett, Edward L., La Grange, assignor to Utah Radio Products Company, Chicago, Ill. Vibratory motor device. 2,120,273; June 14.
Barth, Paul, assignor to Demag Aktiengesellschaft, Duisburg, Germany. Rolling mill. 2,120,539; June 14.
Basseches, Jacob T. (See Minassian, Fredric S., assignor.)
Bastian Brothers Company. (See Brown, Frank J., assignor.)
Bauman, Joseph. (See Williams, J. J., and Bauman.)
Bear, Albert B., St. Paul, Minn., assignor of eight and one-sixth percent to S. Henry, eight and one-sixth percent to T. Nikas, eight and one-sixth percent to J. Pontikis, eight and one-sixth percent to H. H. McGill, eight and one-sixth percent to C. D. Pamel, eight and one-sixth percent to N. Chiomes, and ten percent to J. Goff. Variable speed transmission mechanism. 2,120,953; June 14.

Beattie, James F., Norwood, and H. J. Cunningham, Scotch Plains, N. J., and W. R. Roycroft, Osone Park, N. Y.; said Beattie and said Roycroft assignors to Western Electric Company, Inc., and said Cunningham assignor to American Telephone and Telegraph Company. Teletypewriter system. 2,120,235; June 14.

Beauchamp, Harold G. assignor to E. Babel, Chicago, Ill. Protecting electrical devices. 2,120,457; June 14.

Beaumont, Oliver H. (See Lykos, J., and Beaumont.)

Beck, Charles W., Toledo, Ohio. Atomiser. 2,120,948; June 14.

Becker, Edmund H. (See Martus, M. L., and Becker.)

Becker, George W., Silver Lake, assignor, by mesne assignments, to The Dill Manufacturing Company, Cleveland, Ohio. Making inner tubes. 2,120,346; June 14.

Becker, Oskar W., and H. Freudenberg, assignors to Carl Freudenberg G. m. b. H., Weinheim, Germany. Manufacture of spun goods, fabrics, and other textiles. 2,120,851; June 14.

Bellenson, Bernard, Harrow Weald, England, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Preparing pseudo-cyanine dyes. 2,120,322; June 14.

Bell, Antoinette P., Hastings, N. Y. Antiglare goggles. 2,120,727; June 14.

Bell Telephone Laboratories, Incorporated. (See Domaleski, Joseph V., assignor.)

Bell Telephone Laboratories, Incorporated. (See Edwards, P. G., Jordan, and Shackleton, assignors.)

Bell Telephone Laboratories, Incorporated. (See Hardy, Frank, assignor.)

Bell Telephone Laboratories, Incorporated. (See Hickman, Clarence N., assignor.)

Bell Telephone Laboratories, Incorporated. (See Matthies, William H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Stokely, Ray L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wagar, Harold N., assignor.)

Belmont, Max J., New York, N. Y. Shower bath. 2,120,774; June 14.

Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric tumbler switch. 2,120,423; June 14.

Bents, George B., New York, N. Y. Closet bowl step attachment. 2,120,481; June 14.

Berk, Adam. (See Henheke, F. C., and Berk.)

Berlin, David W., Rasunda, Sweden. Automatically variable power transmission apparatus. 2,120,597; June 14.

Berman, Leo. (See Callahan, George, assignor.)

Bernfeld, James, Newark, N. J. Dust deflector. 2,120,347; June 14.

Bertrand, Pierre. (See Desbordes, L., and Bertrand.)

Bettison, David C., Omaha, Nebr. Valve actuating means. 2,120,389; June 14.

Betz, W. H. & L. D. (See Schroeder, Wilburn C., assignor.)

Beuoy, George H., Cedar Vale, Kans. Electrical cutting instrument. 2,120,598; June 14.

Besault, Georges, Juvisy, France, assignor to Cartier, Inc., New York, N. Y. Bracelet or other jewel. 2,120,308; June 14.

Besault, Georges, Juvisy, France, assignor to Cartier, Inc., New York, N. Y. Bracelet or other jewel. 2,120,348; June 14.

Billings, Edmund, Wetson, and H. H. Offutt, Winchester, assignors to Godfrey L. Cabot, Inc., Boston, Mass. Manufacture of carbon black. 2,120,540; June 14.

Billings, Edmund, Wetson, and H. H. Offutt, Winchester, assignors to Godfrey L. Cabot, Inc., Boston, Mass. Manufacture of carbon black. 2,120,541; June 14.

Bingham, Charles E., et al. (See Bingham, John G., assignor.)

Bingham, John G., Bexhill-on-Sea, England, assignor of one-third to C. E. Bingham and one-third to L. Bingham. Pressure indicating device. 2,120,691; June 14.

Bingham, Louise, et al. (See Bingham, John G., assignor.)

Bird & Son, inc. (See Sutherland, Frank, assignor.)

Bitner, Ralph E., Flushing, N. Y. Light frequency converter. 2,120,916; June 14.

Bixler, Harley H., Schenectady, N. Y., assignor to General Electric Company. Valve assembly. 2,120,852; June 14.

Blaha, Stephen J. (See Bowersox, J. W., and Blaha.)

Blair, Charles M., Charleston, and T. F. Carruthers, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Plastic composition. 2,120,927; June 14.

Blest, Minot C., and F. Koch, Bellevue, assignors to Pressed Steel Car Company, McKees Rocks, Pa. Car construction. 2,120,542; June 14.

Bodle, John P., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Waterproof seam and making same. 2,120,458; June 14.

Boenau, Arthur H. (See Shipp, V. L., and Boenau.)

Boenau, Arthur H. (See Shipp, V. L., Boenau, and Ramsay.)

Bogardus, Leonard R., Grosse Pointe Farms, assignor to Packard Motor Car Company, Detroit, Mich. Combined trolley and extension lamp. 2,120,775; June 14.

Bohn Aluminum & Brass Corporation. (See McCullough, William E., assignor.)

Bolling, Robert P., Detroit, Mich. Bake oven. 2,120,829; June 14.

Bolton, Archer L., North Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Jordan engine with crimped members. 2,120,482; June 14.

Bolton, John W., & Sons, Inc. (See Bolton, Archer L., assignor.)

Bonbôte, Gerald, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Water-insoluble azo dyestuffs. 2,120,728; June 14.

Bonsall, Charles D., Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Car roof. 2,120,349; June 14.

Bonsall, Charles D., Pittsburgh, assignor to Standard Railway Equipment Manufacturing Company, New Kensington, Pa. Car roof. 2,120,350; June 14.

Boothby, Donald D., assignor to Air Devices Corporation, Chicago, Ill. Heater. 2,120,705; June 14.

Bowersox, Joseph W., Kansas City, Mo., and S. J. Blaha, Hinsdale, Ill., assignors to Superior Felt and Bedding Company. Convertible couch. 2,120,663; June 14.

Bowlby, Walter D., Jersey City, N. J., assignor to Egyptian Lacquer Manufacturing Company. Lacquer. 2,120,236; June 14.

Brace, Kemper P., and R. B. P. Crawford, Washington, D. C. Air conditioning system. 2,120,883; June 14.

Brant, Gilbert W., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of glycerol. 2,120,227; June 14.

Breitling, Ernst, Essen-on-the-Ruhr, Germany, assignor by mesne assignments, to The National Cash Register Co., Dayton, Ohio. Bookkeeping machine. 2,120,390; June 14.

Brenner, Maurice L., and V. Schwab, Monterey, Calif., assignors to Sea Pride Packing Corp., Ltd. Treating fish and product thereof. 2,120,237; June 14.

Britton, Edgar C., F. B. Smith, J. E. Livak, and W. W. Sunderland, assignors to The Dow Chemical Company, Midland, Mich. 2.4-dinitro-5-naphthylamino-phenols. 2,120,664; June 14.

Britton, Glenn B., Hannibal, assignor to International Shoe Company, St. Louis, Mo. Heel nailing device. 2,120,776; June 14.

Brizzolara, Robert T., New Dorp, N. Y. Air cooling unit. 2,120,830; June 14.

Broadmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Sheet feeding apparatus. 2,120,484; June 14.

Broussard, Frank P., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Apparatus for mixing materials. 2,120,543; June 14.

Brown and Sharpe Manufacturing Company. (See Rich, Charles A., assignor.)

Brown, Carl A., Chardon, and C. E. Hahn, Cleveland, Ohio, assignors to General Electric Company. Apparatus for severing glass rod and tubing. 2,120,853; June 14.

Brown Company. (See Richter, George A., assignor.)

Brown, Eugene T., Seattle, Wash. Safety bumper and collision indicator for automobiles. 2,120,459; June 14.

Brown, Frank J., assignor to Bastian Brothers Company, Rochester, N. Y. Name plate. 2,120,854; June 14.

Brown, Henry W., Providence, R. I. Combined drainage support and holder for flower pots. 2,120,599; June 14.

Brown, Reynolds D., Jr., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Regulator system. 2,120,584; June 14.

Brown, Thomas F. W. (See Ford, E. L., and Brown.)

Bruengger, Heinrich. (See Graenacher, C., and Bruengger.)

Bruengger, Heinrich. (See Graenacher, C., Bruengger, and Ackermann.)

Brump, Herbert L., and A. R. Lambert, Dayton, Ohio; said Brump assignor to said Lambert. Abrading and cutting apparatus. 2,120,928; June 14.

Brunswick-Balke-Collander Company, The. (See McKenzie, Herman E., assignor.)

Brush, Abbott P., Greenwich, Conn. Flashlight. 2,120,238; June 14.

Bruson, Herman A., assignor to Röhm & Haas Company, Philadelphia, Pa. Chloroether esters of dibasic acids. 2,120,544; June 14.

Bryant Electric Company, The. (See Forstrom, Edward E., assignor.)

Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,120,228; June 14.

Buckton, Ernest J., London, England. Shock absorbing marine berthing device. 2,120,545; June 14.

Buell, Roy C., Schenectady, N. Y., assignor to General Electric Company. Electric circuit. 2,120,555; June 14.

Buente, Charles F., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Carrier. 2,120,639; June 14.

Buffalo-Springfield Roller Co., The. (See Greiner, C. F., and Aitken, assignors.)

Burger, William L., Kansas City, Mo. Rubbing brick. 2,120,483; June 14.

Burgeson, Gustav, Youngstown, Ohio. Shaver and hair remover. 2,120,239; June 14.

Burrell, Thomas L. (See Spellacy, J. F., and Burrell.)





Burt, Robert C., Pasadena, Calif. Mechanical transmission. 2,120,546; June 14.

Butterfield, Louis B., Short Hills, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Measuring device. 2,120,391; June 14.

Butts, William J., Brunswick, Ga., assignor of one-half to Centennial Development Company, Inc., Bridgeport, Conn. Door retainer or holder. 2,120,692; June 14.

Cabot, Godfrey L., Inc. (See Billings, E., and Offutt, assignors.)

Calco Chemical Company. (See Crossley, M. L., and Shafer, assignors.)

Calco Chemical Company, The. (See Lecher, Hans Z., assignor.)

Calco Chemical Company. (See Mensing, Carl E., assignor.)

Calkins, Albert E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Continuous process for the chlorination of ketones. 2,120,392; June 14.

Callahan, George, Reseca, assignor of one-half to L. Berman, Delton, Ga. Tufting attachment for sewing machines. 2,120,229; June 14.

Canadian Allis-Chalmers, Limited. (See Grierson, George A. H., assignor.)

Carbide and Carbon Chemicals Corporation. (See Blair, C. M., and Carruthers, assignors.)

Carbide and Carbon Chemicals Corporation. (See Cox, H. L., and Matlack, assignors.)

Carbide and Carbon Chemicals Corporation. (See Groff, Frasier, assignor.)

Carborundum Company, The. (See Finnegan, William, assignor.)

Carruthers, Thomas. (See Blair, C. M., and Carruthers.)

Carson, Francis L., San Francisco, Calif., assignor to American Concrete and Steel Pipe Company. Applying noncorrosive surfaces to pipe and the like. 2,120,309; June 14.

Cartier, Inc. (See Besault, Georges, assignor.)

Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 2,120,274; June 14.

Cela Holding S. A. (See Riatel, Manlio M., assignor.)

Cela Holding, S. A. (See Schwartz, Fernand F., assignor.)

Celanese Corporation of America. (See Ellis, G. H., and Wesson, assignors.)

Centennial Development Company. (See Butts, William J., assignor.)

Chappell, James F., Mineola, Tex. Drilling apparatus. 2,120,240; June 14.

Chatterton, Edward R., Delanco, N. J., assignor to E. W. Twitchell Incorporated, Philadelphia, Pa. Molded trimming. 2,120,885; June 14.

Chaussé, Clement S., Paris, France. Process and device for automatically centering X-Rays in radiographic and stereoscopic radiographic apparatus. 2,120,729; June 14.

Cheney, Charles W., Soho, Birmingham, England. Machine for fixing locks, fastenings, and fittings to attaché and similar cases. 2,120,693; June 14.

Chernosky, Frank E., Corpus Christi, Tex. Window rain shield. 2,120,730; June 14.

Chicago Pneumatic Tool Company. (See Lear, E. B., and Slatcher, assignors.)

Chicago Railway Equipment Company. (See Ferguson, Lee C., assignor.)

Chicago Telephone Supply Co. (See Cooper, George M., assignor.)

Chicago Telephone Supply Co. (See Schellenger, Newton C., assignor.)

Chiones, Nick, et al. (See Bear, Albert B., assignor.)

Cincinnati Traction Building Company, The. (See Schoepf, T. H., and Ritchie, assignors.)

Clayton, Edwin C., Baltimore, assignor to William E. Hooper & Sons Company, Woodberry, Baltimore, Md. Vehicle top fabric. 2,120,434; June 14.

Clemmer, Julius B., and R. G. O'Meara, Rolla, Mo., assignors of one-fourth to Semmes and Semmes, Washington, D. C. Ore flotation. 2,120,485; June 14.

Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vulcanization of rubber. 2,120,547; June 14.

Clifford Manufacturing Co. (See Clifford, Walter B., assignor.)

Clifford, Walter B., assignor to Clifford Manufacturing Co., Boston, Mass. Thermostatic unit. 2,120,929; June 14.

Cline, Allan J. (See Dunlap, John A., assignor.)

Clothier, Henry W., Newcastle-upon-Tyne, assignor to A. Reyrolle & Company, Limited, Hebburn-upon-Tyne, England. Electric circuit breaker. 2,120,731; June 14.

Colle, Benjamin F., assignor of one-half to P. Keller, Athens, Ga. Knitting machine. 2,120,796; June 14.

Collier, Simon, Waukegan, Ill., assignor to Johns-Manville Corporation, New York, N. Y. Plug insert for friction element and making the same. 2,120,548; June 14.

Colline & Aikman Corporation. (See Drobile, Albert W., assignor.)

Collison, William J., Bakersfield, Calif. Flush tank with outlet siphon. 2,120,856; June 14.

Colnes, Benjamin S., (See Friedman, A., and Colnes.)

Colonna, John O., Kansas City, Mo. Processing of ornamental stone. 2,120,486; June 14.

Colt's Patent Fire Arms Manufacturing Company. (See Sachs, Joseph, assignor.)

Columbia Mills, Inc. (See Reynolds, Francis B., assignor.)

Comper, Adrian, Pittsfield, Mass., and M. T. MacEachern, Chicago, Ill., assignors to Hospital Appliances, Inc., Pittsfield, Mass. Obstettical or similar bed. 2,120,732; June 14.

Conner, Guy O., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Container. 2,120,487; June 14.

Consolidated Mining & Smelting Company, The. (See Stimmel, B. A., McBean, and Cruickshank, assignors.)

Continental Gummi-Werke Aktiengesellschaft. (See Assbroicher, H., and Huff, assignors.)

Coons, Kenneth W., Tuscaloosa, Ala., assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Catalyst manufacture. 2,120,958; June 14.

Cooper, George M., assignor to Chicago Telephone Supply Co., Elkhart, Ind. Resistance element. 2,120,930; June 14.

Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)

Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Protecting and forming prefinished metal. 2,120,461; June 14.

Corn Products Refining Company. (See Swallen, Lloyd C., assignor.)

Cornell, Fritz G., Jr., Mountain Lakes, assignor to Jensen Creamery Machinery Company, Inc., Bloomfield, N. J. Heat exchange device. 2,120,797; June 14.

Cotal, Jean, Paris, France. Clutching and speed changing mechanism. 2,120,733; June 14.

Cotal, Jean, Paris, France. Coupling mechanism. 2,120,734; June 14.

Cotterman, Frederick W., assignor of one-half to B. D. Apple, Dayton, Ohio. Planetary transmission mechanism. 2,120,831; June 14.

Cotterman, Frederick W., assignor of one-half to B. D. Apple, Dayton, Ohio. Planetary transmission mechanism. 2,120,832; June 14.

Cover, Harvey S., South Bend, Ind. Respirator. 2,120,230; June 14.

Cover, Harvey S., South Bend, Ind. Respirator. 2,120,231; June 14.

Cowles, Irving, Detroit, Mich., assignor to himself and R. W. Lotz, Chicago, Ill. Detachable hose coupling. 2,120,275; June 14.

Cox, Henry L., South Charleston, and J. D. Matlack, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Production of plastic compositions. 2,120,931; June 14.

Craemer, Richard A., Los Angeles, Calif. Dispensing congealed foodstuffs. 2,120,640; June 14.

Crago, Harry R., Verona, N. J., assignor to General Electric Company. Reversible thermostatic control system. 2,120,488; June 14.

Craig, Fred G., Wilmerding, assignor to The American Brake Company, Swissvale, Pa. Brake rigging. 2,120,323; June 14.

Crawford, Richard A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Printing ink. 2,120,393; June 14.

Crawford, Robert B. P. (See Brace, K. P., and Crawford.)

Crawford, William M., White Stone, and E. Voss, Richmond, Va. Holder for newspapers and magazines. 2,120,857; June 14.

Criley, William W., Cleveland, Ohio. Hydraulic clutch. 2,120,798; June 14.

Crimmins, Neil A., Stoughton, Mass., assignor, by mesne assignments, to United States Rubber Products, Inc., New York, N. Y. Elastic fabric. 2,120,665; June 14.

Crosby, Harold M. (See Peters, J., and Crosby.)

Cross Parking Systems, Inc. (See Jenney, Robert T., assignor.)

Crossley, Moses L., Plainfield, and L. M. Shafer, Highland Park, assignors to The Calco Chemical Company, Inc., Bound Brook, N. J. Metallized orange to brown azo dyes. 2,120,799; June 14.

Crowell, Erd V., Los Angeles, Calif. Apparatus for oil well cementing. 2,120,694; June 14.

Cruickshank, Graham. (See Stimmel, B. A., McBean, and Cruickshank.)

Cuddon-Fletcher, Angus H., Hoby, England. Rotary valve of internal-combustion engines and the lubrication thereof. 2,120,886; June 14.

Cunningham, Harold J. (See Beattie, J. F., Cunningham, and Roycroft.)

Curado, Joseph G., Jackson Heights, Long Island, assignor to General Printing Ink Corporation, New York, N. Y. Printing ink. 2,120,588; June 14.

Curtis, Philip N., assignor to Baker Box Company, Worcester, Mass. Bottle crate. 2,120,600; June 14.

Cutler-Hammer, Inc. (See Schmidt, Edwin X., assignor.)

Dalsey, David, Chicago, Ill. Food product. 2,120,777; June 14.

Daly, George F., Johnson City, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Multiplying machine with auto-control. 2,120,232; June 14.

Daley, George F., Johnson City, and A. H. Dickinson, Brooklyn, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Control means for record controlled accounting machines. 2,120,233; June 14.

Düstner, Erich, Berlin, Germany. Tree felling device. 2,120,394; June 14.

Davant, William M., Savannah, Ga. Bilge water discharge. 2,120,858; June 14.

Davis, William E., Chattaroy, W. Va. Cross tie for railways. 2,120,887; June 14.

Day, Ray E., Grosse Pointe Farms, Mich. Piston mold. 2,120,833; June 14.

Dayton Rubber Mfg. Company, The. (See Freedlander, A. L., and Ritzert, assignors.)

Dean, Alvin E., Glenwood, Iowa. Eaves trough. 2,120,395; June 14.

Debrie, André L. V. C., Paris, France. Adjustable drive roll for developing machines for films and the like. 2,120,735; June 14.

Decker, Howard H., Fairview, N. J. Continuous viscosity meter. 2,120,351; June 14.

Decker, Josef B., assignor to The Triump Fusee and Fireworks Company, Elkton, Md. Marine signal. 2,120,736; June 14.

Deere & Company. (See Dieterich, Arthur B., assignor.)

Delamere, Rudolf D., Toronto, Ontario, Canada, assignor to Delamere & Williams Limited. Air conditioning apparatus. 2,120,601; June 14.

Delamere & Williams Limited. (See Delamere, Rudolf D., assignor.)

De Lisle, Winfield S., Colonia, N. J. Amalgamator. 2,120,859; June 14.

Demag Aktiengesellschaft. (See Barth, Paul, assignor.)

De Neve, Theodor A., Batavia, Java, Dutch East Indies. Preparing food products from papaya fruit. 2,120,489; June 14.

Desbordes, Louis, Machemon, and P. Bertrand, assignors to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint Gobain, Chauny & Cirey, Paris, France. Transporting and guiding means. 2,120,435; June 14.

Diamond, Harry, and F. W. Dunmore, Washington, D. C., assignors to the Government of the United States as represented by the Secretary of Commerce. Radio guidance of aircraft. 2,120,241; June 14.

Dickerman, Louis A., Hackettstown, N. J., assignor to Hercules Powder Company, Wilmington, Del. Smokeless powder and producing. 2,120,324; June 14.

Dickerson, Walker T., Company, The. (See Gordon, Hiram, assignor.)

Dickinson, Arthur H. (See Daly, G. F., and Dickinson.)

Dickinson, Theodore M. (See Lord, H. W., and Dickinson.)

Diehl, Walter S., U. S. Navy. Automatic cut-off valve. 2,120,242; June 14.

Dietrich, Arthur B., East Moline, assignor to Deere & Company, Moline, Ill. Corn sheller. 2,120,641; June 14.

Dike, Theodore W., assignor to I. F. Laucks, Inc., Seattle, Wash. Dry powdered phenol resin. 2,120,549; June 14.

Dill Manufacturing Company, The. (See Becker, George W., assignor.)

Dillon, Lyle, assignor to Union Oil Company of California, Los Angeles, Calif. High frequency induction dehydrator. 2,120,932; June 14.

Ditcham, William T., London, England, assignor, to Radio Corporation of America. Transmitter. 2,120,800; June 14.

Dittmar, Harry R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dispersing agent. 2,120,933; June 14.

Dixon, Paul H., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Inking edges of shoe parts. 2,120,325; June 14.

Dleak, John, Berwyn, assignor to Imperial Brass Manufacturing Company, Chicago, Ill. Gas valve mechanism. 2,120,695; June 14.

Doernchlen, Edward, Webster Groves, Mo. Digger. 2,120,326; June 14.

Doig, Don S., Glendale, Calif., assignor to Automobile Club of Southern California. Distance annunciator. 2,120,550; June 14.

Domaleski, Joseph V., Irvington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical contact member. 2,120,396; June 14.

Domm, Elgin C., assignor to National-Standard Company, Niles, Mich. Hot-dipping metal coated objects. 2,120,737; June 14.

Domm, Elgin C., assignor to National-Standard Company, Niles, Mich. Rubber coated article. 2,120,738; June 14.

Donaldson, Alfred S., Newark, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Boudoir accessory. 2,120,834; June 14.

Donaldson, Kenneth H., Cleveland, Ohio. Making titanium and other compounds. 2,120,602; June 14.

Donath, Ernst. (See Pier, M., and Donath.)

Dougaty, Mervin P. (See Parisi, Michael, assignor.)

Dow Chemical Company, The. (See Britton, E. C., Smith, Livak, and Sunderland, assignors.)

Dow Chemical Company, The. (See Hanson, Alden W., assignor.)

Dow Chemical Company, The. (See Nutting, H. S., and Petrie, assignors.)

Drayton, Theophilus J. B., Upper Norwood, London, England. Fuel injection system for internal combustion engines. 2,120,739; June 14.

Dreucci, Bruno V., Monessen, Pa. Jar cap handle. 2,120,603; June 14.

Dreyer, John E., Jr., Brooklyn, N. Y., assignor to Radio Corporation of America. Short wave tuned oscillatory circuit. 2,120,518; June 14.

Dreyfus, Henry, London, England. Manufacture of textile products. 2,120,551; June 14.

Drobile, Albert W., Wayne, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Treating pile fabrics. 2,120,801; June 14.

Droll, Joseph W., Chicago, Ill. Carbon electrode for projectors. 2,120,243; June 14.

Drummond, Roy M., London, England. Apparatus for purifying or washing air or other gas, or for cooling a liquid. 2,120,490; June 14.

Dryer, Charles G., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of motor fuel. 2,120,244; June 14.

Ducommun, Jesse C. (See Houser, A. R., and Ducommun.)

Duncan, Eli L., Spokane, Wash. Adjustable headrest. 2,120,310; June 14.

Dunlap, John A., assignor to A. J. Cline, Chicago, Ill. Supplying paper to printing presses. 2,120,778; June 14.

Dunmore, Francis W. (See Diamond, H., and Dunmore.)

Dunmore, Francis W., Washington, D. C., assignor to the Government of the United States as represented by the Secretary of Commerce. Course indicator for the double and triple modulation directive radio beacons. 2,120,245; June 14.

Du Pont, E. I., de Nemours & Company. (See Brant, Gilbert W., assignor.)

Du Pont, E. I., de Nemours & Company. (See Dittmar, Harry R., assignor.)

Du Pont, E. I., de Nemours & Company. (See Donaldson, Alfred S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Wirth, Walter V., assignor.)

Dürr, Fritz, Berlin-Friedenau, Germany. Dust aspirator. 2,120,397; June 14.

Eaddy, Ernest J., Spartanburg, S. C. Cleaning apparatus for textile machinery, 2,120,888; June 14.

Eastman Kodak Company. (See Bellenson, Bernard, assignor.)

Eclipse Machine Company. (See Janes, Clinton S., assignor.)

Edwards, Paul G., Verona, H. G. Jordan, Fanwood, and S. P. Shackleton, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable stripping tool. 2,120,398; June 14.

Egry Register Company, The. (See Pfeiffer, William C., assignor.)

Egyptian Lacquer Manufacturing Company. (See Bowlby, Walter D., assignor.)

Ehlers, Louis F., Banning, Calif. Extracting and filtering apparatus. 2,120,860; June 14.

Eisler Electric Corporation. (See Laise, Clemens A., assignor.)

Eisler Electric Corporation. (See Laise, C. A., and Kurtz, assignors.)

Eldred, Catheryn L., Rock Island, Ill. Food browner. 2,120,696; June 14.

Electric & Musical Industries Limited. (See White, Eric L. C., assignor.)

Elliott, Henry, Streatham, London, England. Safety razor. 2,120,399; June 14.

Ellis, George H., and A. J. Wesson, Spondon, near Derby, England, assignors to Celanese Corporation of America. Coloration of materials. 2,120,552; June 14.

Ellis, Humphrey A., Philadelphia, Pa. Tuyère plate. 2,120,589; June 14.

Elmendorf, Armin, Chicago, Ill. Method of veneering. 2,120,642; June 14.

Elsaesser, William F., Cincinnati, Ohio. Refrigerator cabinet. 2,120,327; June 14.

Emanueli, Luigi, Milan, Italy, assignor to Societa Italiana Pirelli. Stop joint for fluid filled cables. 2,120,889; June 14.

Empire Metal Cap Co. (See Merolle, Augustus L., assignor.)

Ericson, George R., Kirkwood, Mo. Fuel cooling device. 2,120,779; June 14.

Ericson, Nils, Stockholm, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electrodynamic slip coupling. 2,120,352; June 14.

Erxleben, Herman, Albany, N. Y. Seaming device. 2,120,607; June 14.

Exhibit Supply Company. (See Kramer, E., Shields, and Gitelson, assignors.)

F. N. F. Limited. (See Morton, James, assignor.)

Fackt, George P. (See Pearne, F. Y., and Fackt.)

Fain, Charles W., Daytona Beach, Fla. Tooth brush. 2,120,604; June 14.

Faller, Ernest A., Brooklyn, assignor to International Business Machines Corporation, New York, N. Y. Synchronizing clock. 2,120,353; June 14.

Fallot, Harold J., Teaneck, N. J. Adjustable telescoping hanger for drying clothes. 2,120,436; June 14.





Faust, Erich, and E. Jung, assignors to Hochofenwerk Lübeck Aktiengesellschaft, Herrenwyk, Lubeck, Germany. Production of iron. 2,120,740; June 14.

Fawick, Thomas L., Akron, Ohio. Assembly for clutches and the like. 2,120,400; June 14.

Feese, Glen V., assignor of one-half to Kansas Milling Co., Wichita, Kans. Machine for the introduction of moisture to wheat or the like. 2,120,437; June 14.

Felix, Friedrich and W. Huber, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Sulpho-acetonitrile dyestuffs. 2,120,401; June 14.

Ferguson, Lee C., Marion, Ind., assignor to Chicago Railway Equipment Company, Chicago, Ill. Track bolt washer. 2,120,462; June 14.

Ferngren, Enoch T., Toledo, Ohio, assignor, by mesne assignments, to Plax Corporation, Hartford, Conn. Shaping sheet material. 2,120,328; June 14.

Fessler, Albra H. (See McDougal, T. G., Fessler, and Schwartzwalder.)

Figard, Pierre, Paris, France. Spark plug. 2,120,890; June 14.

Filter Tips Limited. (See May, Rowland F., assignor.)

Findon, Frederick, H., Jr., assignor of one-fourth to G. L. Ralston, and one-fourth to E. E. Malcolm, Freeport, Pa. Hanger. 2,120,891; June 14.

Finger, Paul E., New Kensington, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Car roof. 2,120,354; June 14.

Finnegan, William, Kenogami, Quebec, Canada, assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Apparatus for disintegrating fibrous substances. 2,120,607; June 14.

Firestone Tire & Rubber Company, The. (See Hulslander, Raymond D., assignor.)

Firestone Tire & Rubber Company, The. (See Taylor, R. S., Torrance, and Anderson, assignors.)

Fischer, Max W., Washington, D. C. Pyrotechnic device. 2,120,246; June 14.

Flader, Konrad, Hochheim, near Erfurt, assignor to Olympia Büromaschinenwerke Aktiengesellschaft, Erfurt, Berlin, Germany. Key cap. 2,120,553; June 14.

Florence Wehrle Stove Co. (See Pickup, George E., assignor.)

Flower, William A., Twin Falls, Idaho. Closure for containers. 2,120,491; June 14.

Focht, Louis, Trenton, N. J. Floor supporting structure. 2,120,802; June 14.

Food Devices Incorporated. (See Reinecke, Marshall C., assignor.)

Ford, Ernest L., and T. F. W. Brown, Darlington, England. Chimney and/or ventilating cowl. 2,120,605; June 14.

Forstrom, Edward E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 2,120,424; June 14.

Fournier, Treffie E., Fitchburg, Mass. Fastener. 2,120,606; June 14.

Francis, Merlin J., Evansville, Wis. Telescope sun visor. 2,120,892; June 14.

Franklin Rayon Corporation. (See Little, Royal, assignor.)

Franks, Russell, Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Chromium steel. 2,120,554; June 14.

Frazier-Simplex, Inc. (See Amsler, Walter O., assignor.)

Freedlander, Abraham L., and N. J. Ritzert, assignors to The Dayton Rubber Mfg. Company, Dayton, Ohio. Belt connecter. 2,120,698; June 14.

Freudenberg, Carl, G. m. b. H. (See Becker, O. W., and Freudenberg, assignors.)

Freudenberg, Hans. (See Becker, O. W., and Freudenberg.)

Frey, Peter, Chicago, Ill. Perambulator. 2,120,425; June 14.

Friedman, Allan, Brooklyn, and B. S. Colnes, Mount Vernon, N. Y. Advertising display device. 2,120,519; June 14.

Fristoe, R. E., et al. (See O'Rourke, James R., assignor.)

Fronefield, Louis H., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Perforated record sorting machine. 2,120,355; June 14.

Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)

Frushour, Earle G., Beatrice, Nebr. Strainer lid for milk pails. 2,120,893; June 14.

Funk, Isaac. (See Funk, Samuel W., P. S., and I.)

Funk, Paul S. (See Funk, Samuel W., P. S., and I.)

Funk, Samuel W., Charter Oak, P. S. Funk, Covina, and I. Funk, Charter Oak, Calif. Duplicating machine. 2,120,247; June 14.

Gagnier, George E. (See Place, Bion C., assignor.)

Gamble, Theolian, Des Moines, Iowa. Pitcher top for jars and similar containers. 2,120,699; June 14.

Garbsch, Paul. (See Krzikalla, H., and Garbsch.)

Gay, Arthur W., assignor to The Rapid Mold Company, Akron, Ohio. Vulcanising mold and making same. 2,120,700; June 14.

Geigy, J. R., A. G. (See Kreboer, Adolf, assignor.)

Geise, Walter A., Flint, assignor to General Motors Corporation, Detroit, Mich. Fan. 2,120,780; June 14.

General Aniline Works, Inc. (See Krzikalla, H., and Garbsch, assignors.)

General Aniline Works, Inc. (See Ritter, Heinrich, assignor.)

General Aniline Works, Inc. (See Zervas, P., and von Lendenfeld, assignors.)

General Electric Company. (See Adkins, Bernard, assignor.)

General Electric Company. (See Bixler, Harley H., assignor.)

General Electric Company. (See Brown, C. A., and Hahn, assignors.)

General Electric Company. (See Buell, Roy C., assignor.)

General Electric Company. (See Crago, Harry R., assignor.)

General Electric Company. (See Koeppen, H., and Grünschneder, assignors.)

General Electric Company. (See Lord, Harold W., assignor.)

General Electric Company. (See Lord, H. W., and Dickinson, assignors.)

General Electric Company. (See McNairy, Jacob W., assignor.)

General Electric Company. (See Roper, Val J., assignor.)

General Electric Company. (See Schmer, Karl, assignor.)

General Electric Company. (See Skeats, Wilfred F., assignor.)

General Electric Company. (See Tritle, John F., assignor.)

General Electric Company. (See Tritle, J. F., and McNairy, assignors.)

General Electric Company. (See Uber, Victor T., assignor.)

General Electric Company. (See Wear, F., and Whyte, assignors.)

General Motors Corporation. (See Geise, Walter A., assignor.)

General Motors Corporation. (See Geyer, Harvey D., assignor.)

General Motors Corporation. (See Hause, Gilbert K., assignor.)

General Motors Corporation. (See McDougal, T. G., Fessler, and Schwartzwalder, assignors.)

General Motors Corporation. (See Newill, Edward B., assignor.)

General Motors Corporation. (See Rasmussen, Olaf, assignor.)

General Motors Corporation. (See Webster, Don B., assignor.)

General Printing Ink Corporation. (See Curado, Joseph G., assignor.)

Gerson, Kurt A., London, England. Preparing an oxygen-liberating composition. 2,120,643; June 14.

Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing tray. 2,120,701; June 14.

Girard Trust Company et al., executors. (See Sedgley, Reginald F.)

Gitelson, Milton. (See Kramer, E., Shields, and Gitelson.)

Gladding-McBean & Co. (See Pearne, F. Y., and Fackt, assignors.)

Glasner, Rudolph W., Chicago, Ill. Press. 2,120,356; June 14.

Glasner, Rudolph W., Chicago, Ill. Drawing press. 2,120,402; June 14.

Gleitsman, Harold, Cedarhurst, N. Y. Clothes hamper. 2,120,661; June 14.

Globe American Corporation. (See Hill, Dewey H., assignor.)

Godfrey, Truman M., Winchester, Mass., assignor to Lever Brothers Company. Can top label. 2,120,403; June 14.

Goff, John, et al. (See Bear, Albert B., assignor.)

Goldfield, Edwin R. (See Horsley, C. B., and Goldfield.)

Good, John, Garden City, assignor to Automatic Motor Stop and Start, Inc., New York, N. Y. Automotive engine control. 2,120,555; June 14.

Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)

Goodrich, B. F., Company, The. (See Calkins, Albert E., assignor.)

Goodrich, B. F., Company, The. (See Crawford, Richard A., assignor.)

Gordon, Hiram, assignor to The Walker T. Dickerson Company, Columbus, Ohio. Apparatus for roughening leather surfaces. 2,120,835; June 14.

Government of the United States as represented by the Secretary of Commerce. (See Diamond, H., and Dunmore, assignors.)

Government of the United States as represented by the Secretary of Commerce. (See Dunmore, Francis W., assignor.)

Graenacher, Charles, and H. Bruengger, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Derivatives of aso-dyestuffs and making same. 2,120,743; June 14.

Graenacher, Charles, and H. Bruengger, Basel, and F. Ackermann, Binningen, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Derivatives of dyestuffs containing hydroxyl groups and making same. 2,120,741; June 14.

Graf, Leo, Cologne-Bickendorf, assignor to K. Werth, Berlin, Germany. Sparking plug. 2,120,492; June 14.

Graff, John H., assignor to The Institute of Paper Chemistry, Appleton, Wis. Sample holder. 2,120,404; June 14.

Grand Rapids Store Equipment Company. (See Vanderveld, Anthony, assignor.)

Grant, Arthur C., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heating system. 2,120,803; June 14.

Grant, Charles H., Horsham, Pa. Metal pickling. 2,120,276; June 14.

Granel, Julius F., Baltimore, Md. Rumble seat enclosure. 2,120,463; June 14.

Gray, Jesse L., assignor to Armstrong Paint & Varnish Works, Chicago, Ill. Can. 2,120,357; June 14.

Gray, Richard E., Jackson, Tenn., assignor to Piggly Wiggly Corporation, Cincinnati, Ohio. Refrigerated display counter. 2,120744; June 14.

Great Western Electro-Chemical Co. (See Stevenson, Ralph A., assignor.)

Green, William P., assignor to Valley Shoe Corporation, St. Louis, Mo. Side-lasting machine. 2,120,781; June 14.

Greene, Herbert A., Philadelphia, Pa. Inflation for milking machine cups. 2,120,556; June 14.

Greer, Agnes J. R. (See Shoemaker, Robert W., assignor.)

Greiner, Carl F., and A. W. Aitken, assignors to The Buffalo-Springfield Roller Co., Springfield, Ohio. Trench roller attachment for road vehicles. 2,120,745; June 14.

Grierson, George A. H., assignor to Canadian Allis-Chalmers, Limited, Toronto, Ontario, Canada. Rubber covered impeller. 2,120,277; June 14.

Grimes, Warren G., Urbana, Ohio. Incandescent electric lamp. 2,120,836; June 14.

Groenniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Seat for toilet and other sanitary receptacles. 2,120,493; June 14.

Groff, Frasier, Lakewood, Ohio, assignor to Carbide and Carbon Chemicals Corporation. Making plastic compositions. 2,120,934; June 14.

Groff, Frasier, Lakewood, Ohio, assignor to Carbide and Carbon Chemicals Corporation. Plastic compositions and shaping the same. 2,120,935; June 14.

Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuit apparatus. 2,120,837; June 14.

Grubb, William B., Sr., Ventnor, N. J., assignor of one-half to W. White, Brooklyn, N. Y. Automobile lock. 2,120,590; June 14.

Grundy, Francis W., Rainford, near St. Helens, assignor to Rainford Potteries Limited, Rainford, England. Tile or slab made from ceramic or like materials. 2,120,742; Grünschneder, Hans. (See Koeppen, H., and Grünschneder.)

Gruskin, Benjamin, Philadelphia, Pa., assignor to Lakeland Foundations, Chicago, Ill. Therapeutic agent for use in the treatment of infection. 2,120,667; June 14.

Gulterman, Kenneth S., Hewlett Bay Park, Hewlett, N. Y. Strip roofing with shingled effect. 2,120,278; June 14.

Gustus, Edwin L., assignor to The Upjohn Company, Kalamazoo, Mich. Preparing hormones. 2,120,405; June 14.

Haag, Johannes, Neunkirchen, Germany. Producing free cutting steel. 2,120,894; June 14.

Haering, David W., Chicago, Ill. Proportioning apparatus. 2,120,608; June 14.

Hagenbook, Thurloe M., assignor to International Door Company, Evansville, Ind. Pintle control mechanism for revolving doors. 2,120,746; June 14.

Hahn, Clarence E. (See Brown, C. A., and Hahn.)

Hall, Walter F., and G. A. Lowrey, assignors to Hall & Lowrey, Incorporated, Goose Creek, Tex. Well shooting apparatus. 2,120,464; June 14.

Hall & Lowrey, Incorporated. (See Hall, W. F., and Lowrey, assignors.)

Hall, William B. F., Fort Wayne, Ind. Tennis racket and the like. 2,120,280; June 14.

Hammermill Paper Company. (See Parsons, J. L., and Jackson, assignors.)

Hanna, Horace W., assignor of one-half to K. Malik, New York, N. Y. Slide vehicle. 2,120,747; June 14.

Hano, Edward, Holyoke, Mass. Counter sales book. 2,120,438; June 14.

Hansen, Merrill E., assignor to American Anode Inc., Akron, Ohio. Rubber glove and making the same. 2,120,406; June 14.

Hansen, Aiden W., assignor to The Dow Chemical Company, Midland, Mich. Purifying tetrachloroethylene. 2,120,665; June 14.

Hantjopoulos, George, New York, N. Y. Cylinder detector spark plug. 2,120,804; June 14.

Hardies, Charles H. (See Baash, L. F., and Hardies.)

Hardy, Frank, Ramsey, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Timing apparatus. 2,120,407; June 14.

Hardy, John I., Washington, D. C. Device for measuring the length of fibers. 2,120,358; June 14.

Harper, Edgar E., assignor to Hessolite, Limited, London, England. Plasterboard. 2,120,644; June 14.

Harris, Earl A., assignor to Hydooraulic, Inc., East Orange, N. J. Door operating device. 2,120,495; June 14.

Harris, Sadie A., Warren, Ohio. Drying form. 2,120,748; June 14.

Hartford-Empire Company. (See Amsler, Walter O., assignor.)

Hartley, Herbert R., Chicago, Ill. Corn pad. 2,120,465; June 14.

Hartman, Clarence P. (See Hartman, Ira D., and C. P.)

Hartman, Ira D. and C. P., Stony Creek Mills, Pa. Clothesline prop. 2,120,662; June 14.

Hartmann, Walter W., Los Angeles, Calif. Window. 2,120,359; June 14.

Harvey, Edgar T. (See Harvey, Isaac F. and E. T.)

Harvey, Isaac F., Menston-in-Wharfedale, and E. T. Harvey, Bradford, England. Weaving pile fabric. 2,120,895; June 14.

Hastings, William E., Jetmore, Kans. Screened shelter. 2,120,861; June 14.

Hatsinger, Hans. (See Amann, M., Lahl, and Hatsinger.)

Hauger, Floyd M., Chicago, assignor to Keystone Steel & Wire Company, Peoria, Ill. Cleaning metal articles. 2,120,494; June 14.

Hauger, Floyd M., Chicago, assignor to Keystone Steel & Wire Company, Peoria, Ill. Making protected metal. 2,120,496; June 14.

Hause, Gilbert E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Brake mechanism. 2,120,917; June 14.

Haussmann, Hans, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Sulphonic acids of carboxylic acid amides and the production thereof. 2,120,557; June 14.

Hayden, Robert P., assignor to Johnson & Johnson, New Brunswick, N. J. Sanitary napkin. 2,120,949; June 14.

Hazard, Charles S., New York, N. Y., assignor to Neptune Meter Company. Interlocking device for dispensing pumps. 2,120,645; June 14.

Hazel-Atlas Glass Company. (See Williams, J. J., and Bauman, assignors.)

Heinitz, Woldemar, assignor to Schubert & Salzer, Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Knockover device. 2,120,749; June 14.

Heinitz, Woldemar, assignor to Schubert & Salzer, Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Flat rib knitting machine. 2,120,750; June 14.

Heinrich, Walter A., assignor to James R. Kearney Corporation, St. Louis, Mo. Chain tightener. 2,120,497; June 14.

Heller, Michael, Brooklyn, N. Y. Goblet. 2,120,862; June 14.

Henkel & Cie., G. m. b. H. (See Rosenhauer, Erich, assignor.)

Henneke, Frederick C., Richmond Hill, and Adam Berk, Ridgewood, N. Y. Pinking machine. 2,120,329; June 14.

Henry, Seth, et al. (See Bear, Albert B., assignor.)

Henwood, Harold, Centerville, Ind. Arbor attachment for lathes. 2,120,782; June 14.

Hercules Powder Company. (See Dickerman, Louis A., assignor.)

Hercules Powder Company. (See Nice, Milo A., assignor.)

Herman, Alexander, Berlin, Germany. Watercraft. 2,120,591; June 14.

Herrmann, Werner, Finkenkrug, Germany, assignor to Radio Patents Corporation, New York, N. Y. Electrolytic condenser. 2,120,426; June 14.

Hessolite, Limited. (See Harper, Edgar E., assignor.)

Hettrick Manufacturing Company, The. (See Vavrik, Louis, assignor.)

Hickman, Clarence N., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective switch. 2,120,408; June 14.

Hickok, W. O., Manufacturing Company. (See Broadmeyer, Albert, assignor.)

Hiers, George O., Brooklyn, assignor to National Lead Company, New York, N. Y. Bolt anchor. 2,120,279; June 14.

Hill, C. V., & Company. (See Hoffman, Cyrus F., assignor.)

Hill, C. V., & Company. (See Wild, Gunther P., assignor.)

Hill, Dewey H., Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind. Valve for oil burners. 2,120,609; June 14.

Hill, George, Wellford, S. C. Apparatus for treating cotton and yarns. 2,120,409; June 14.

Hillis, James L., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,120,360; June 14.

Hinchman, Harvey S., Merchantville, N. J. Charging and discharging valve. 2,120,248; June 14.

Hiss, George F., Los Angeles, Calif. Shirt board. 2,120,466; June 14.

Hoch, Edward, Floral Park, N. Y. Body band and support. 2,120,330; June 14.

Hochofenwerk Lübeck Aktiengesellschaft. (See Faust, E., and Jung, assignors.)

Hodgman, Frederick S., Glen Rock, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic steering for ships. 2,120,950; June 14.

Hodgman, Frederick S., Glen Rock, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Steering repeater compass. 2,120,951; June 14.



Hoffman, Cyrus F., assignor to C. V. Hill & Company, Incorporated, Trenton, N. J. Sliding door and frame construction. 2,120,783; June 14.

Hollander, Irving, assignor to Hollander Patents Corporation, New York, N. Y. Umbrella. 2,120,959; June 14.

Hollander Patents Corporation. (See Hollander, Irving, assignor.)

Holman, Arthur J., East Orange, N. J. Sound and picture aperture unit and film feeding mechanism. 2,120,240; June 14.

Hooper, William E., & Sons Company. (See Clayton, Edwin C., assignor.)

Horrocks-Ibbotson Company. (See Lauterbach, Alexander, assignor.)

Horsley, Caperton B., Gates Mills, and E. R. Goldfield, University Heights, assignors to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray control means. 2,120,609; June 14.

Hospital Appliances, Inc. (See Comper, A., and MacEachern, assignors.)

Houser, Arthur R., Whiting, and J. C. Ducommun, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Tube support. 2,120,805; June 14.

Houston, Claude M., Pittsburgh, Pa. Aerofoil. 2,120,250; June 14.

Howald, Werner T., Brooklyn, N. Y. Apparatus for washing tanks and the like. 2,120,784; June 14.

Howard, Eugene H., Washington, D. C. Counter display stand. 2,120,610; June 14.

Howarth, David, Los Angeles, Calif., assignor to South Bend Bait Company, South Bend, Ind. Reel mounting for fishing rods. 2,120,467; June 14.

Huber, Wilhelm. (See Felix, F., and Huber.)

Huff, Karl. (See Assbrocher, H., and Huff.)

Hulshizer, George W., Stewartsville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Water connection. 2,120,361; June 14.

Hulslander, Raymond D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Method and apparatus for loosening deformable articles from molds. 2,120,558; June 14.

Humoco Corporation. (See Moore, George A., assignor.)

Hunt, Kenneth E., Paquannock, N. J., assignor to American Hard Rubber Company, New York, N. Y. Producing permeable bodies. 2,120,281; June 14.

Huss, Henry, Wilmington, Del., assignor, by mesne assignments, to May Oil Burner Corporation, Baltimore, Md. Nozzle. 2,120,611; June 14.

Huxley, Charles E., Chicago, Ill. Uniform depth seeder. 2,120,331; June 14.

Hybinette, Noak V., Jackson, Mich. Expanded concrete and producing the same. 2,120,468; June 14.

Hydooraulic, Inc. (See Harris, Earl A., assignor.)

Hydraulic Brake Company. (See Oliver, Wallace F., assignor.)

Hyer, Robert S., Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Method and apparatus for orienting tools. 2,120,670; June 14.

I. G. Farbenindustrie Aktiengesellschaft. (See Haussmann, Hans, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., Anthes, and Schappert, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schirm, Erik, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Stahn, Richard, assignor.)

Imperial Brass Manufacturing Company. (See Dicak, John.)

Imperial Chemical Industries Limited. (See Rose, Francis L., assignor.)

Infant Socks Company. (See Longtin, William J., assignor.)

Ingersoll-Rand Company. (See Hulshizer, George W., assignor.)

Institute of Paper Chemistry, The. (See Graff, John H., assignor.)

International Business Machines Corporation. (See Bryce, James W., assignor.)

International Business Machines Corporation. (See Daly, George F., assignor.)

International Business Machines Corporation. (See Daly, G. F., and Dickinson, assignors.)

International Business Machines Corporation. (See Faller, Ernest A., assignor.)

International Business Machines Corporation. (See Fronefield, Louis H., assignor.)

International Business Machines Corporation. (See Hillis, James L., assignor.)

International Business Machines Corporation. (See Lowkrants, Gunne, assignor.)

International Business Machines Corporation. (See Mills, Albert W., assignor.)

International Business Machines Corporation. (See Norrman, Ernst, assignor.)

International Business Machines Corporation. (See Rast, Frederick Q., assignor.)

International Business Machines Corporation. (See Tauschek, Gustav, assignor.)

International Carbonic Engineering Company. (See Schutz, Adolph, assignor.)

International Door Company. (See Hagenbook, Thurloe M., assignor.)

International Shoe Company. (See Britton, Glenn B., assignor.)

Ipatieff, Vladimir, and R. E. Schaad, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of catalysts. 2,120,702; June 14.

Isakson, Walter R., Hobart, Ind. Camshaft governor. 2,120,612; June 14.

Jackson, Donald T. (See Parsons, J. L., and Jackson, assignors.)

Jackson, Fred H., assignor of one-half to G. S. Jackson, Ilion, N. Y. Pack boat. 2,120,332; June 14.

Jackson, George S. (See Jackson, Fred H., assignor.)

Jamison, William F., Santa Monica, Calif. Football game. 2,120,489; June 14.

Jandus, Herbert S., Detroit, Mich., assignor to Oakes Products Corporation, North Chicago, Ill. Construction of brake levers. 2,120,362; June 14.

Janes, Clinton S., assignor to Eclipse Machine Company, Elmira, N. Y. Motion analyzing and recording apparatus. 2,120,703; June 14.

Jenney, Robert T., Los Angeles, Calif., assignor, by mesne assignments, to Cross Parking Systems, Inc., Chicago, Ill. Positive vehicle-storage automatic system. 2,120,751; June 14.

Jennings, Burgess H., Bethlehem, assignor to The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa. Absorption refrigeration. 2,120,559; June 14.

Jensen Creamery Machinery Company. (See Cornwell, Fritz G., Jr., assignor.)

Jensen, Harry. (See Jensen, William and H.)

Jensen, William and H., Hales Corners, Wis. Mowing machine attachment for tractors. 2,120,671; June 14.

Jerna, Nicholas J., Jr., Bellingham, Wash. Traction device for skis. 2,120,363; June 14.

Johns-Manville Corporation. (See Collier, Simon, assignor.)

Johns-Manville Corporation. (See Stafford, William L., assignor.)

Johnson, Arthur L., Milwaukee, Wis. Material grader and cleaner. 2,120,613; June 14.

Johnson, H. F., et al. (See O'Rourke, James R., assignor.)

Johnson, Henry L., East Cleveland, Ohio. Toy railroad track. 2,120,251; June 14.

Johnson & Johnson. (See Hayden, Robert P., assignor.)

Johnson, Kenneth D., Pasadena, Calif. Fishing hook. 2,120,863; June 14.

Johnson, Roy W., assignor to Automatic Products Company, Milwaukee, Wis. Device for controlling the supply of fuel to oil burners and the like. 2,120,364; June 14.

Johnson Service Company. (See Otto, Carl A., assignor.)

Jolley, Roy F. (See Reichenstein, M. W., and Jolley.)

Jones, Gaither M., assignor to May Hosiery Mills, Inc., Burlington, N. C. Circular machine for knitting ringless hosiery. 2,120,752; June 14.

Jordan, Homer G. (See Edwards, P. G., Jordan, and Shackleton.)

Jordan, John G., Chicago, Ill. Treatment of sewage. 2,120,786; June 14.

Jorss, Karl F., Washington, D. C. Metal double hung window. 2,120,614; June 14.

Jung, Eberhard. (See Faust, E., and Jung.)

Kabushiki Kaisha Wakamoto Hompo Eiyo To Ikuji No Kai. (See Kawata, Matajiro, assignor.)

Kadri, Vassaf, assignor of thirty per cent to N. Rejeb, New York, and twenty-five per cent to M. Bagdadi, Brooklyn, N. Y. Abrading machine. 2,120,252; June 14.

Kligl, Emil, Bahnweg, Wadenswil, Canton Zurich, Switzerland. Gas-air mixing valve for burners. 2,120,864; June 14.

Kamensteln, Meyer, Brooklyn, N. Y. Garbage and waste can. 2,120,520; June 14.

Kansas Milling Co. (See Feese, Glen V., assignor.)

Kauffman, Walter L., 2d, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,120,521; June 14.

Kawata, Matajiro, Denen Chofu, Omori-Ku, Tokyo, assignor to Kabushiki Kaisha Wakamoto Honpo Eiyo To Ikuji No Kai, Tokyo, Japan. Yeast nutriment containing liver oil and manufacturing the same. 2,120,410; June 14.

Kay Displays, Inc. (See Baker, D. R., and Nordmark, assignors.)

Kearney, James R., Corporation. (See Heinrich, Walter A., assignor.)

Kearney, James R., Corporation. (See Tipsord, Melvin T., assignor.)

Kégresse, Adolphe, Paris, France. Silencing device for endless track vehicles. 2,120,753; June 14.

Keller, Edward L., Pittsburgh, Pa. Demand meter unit for watt-hour meters. 2,120,311; June 14.

Keller, Paul. (See Colle, Benjamin F., assignor.)

Kelsey-Hayes Wheel Company. (See Ash, Charles S., assignor.)

Kelsey-Hayes Wheel Company, The. (See Sinclair, Charles W., assignor.)

Kenlea Manufacturing Corp. (See Lea, Harry K., assignor.)

Keuffel, Adolf W., Montclair, assignor to Keuffel & Esser Company, Hoboken, N. J. Making points for the ends of rods and the like. 2,120,806; June 14.

Keuffel & Esser Company. (See Keuffel, Adolf W., assignor.)

Key Company. (See Key, Frederick E., assignor.)

Key, Frederick E., assignor, by mesne assignments, to Reconstruction Finance Corporation, St. Louis, Mo. Return bend. 2,120,498; June 14.
Keystone Steel & Wire Company. (See Hauger, Floyd M., assignor.)
King, Fritz, Sour Lake, Tex. Well gun. 2,120,615; June 14.
Kleinert, I. B., Rubber Company. (See Simon, Max, assignor.)
Kleman, Albert F., Dover, N. J. Beverage saving and pipe cleaning device. 2,120,865; June 14.
Klippel, Howard B., and C. H. Sorrick, Jr., Akron, Ohio, assignors to American Hard Rubber Company, New York, N. Y. Mold for presses. 2,120,282; June 14.
Klitzke, William G., Portland, Oreg. Lubricating fluid. 2,120,616; June 14.
Knapp-Monarch Company. (See Smith, Howard A., assignor.)
Knitting Machines Corporation. (See Lieberknecht, Karl R., assignor.)
Koch, Felix. (See Blest, M. C., and Koch.)
Koeble, Albert, Irvington, N. J., assignor to American Lithographic Division of the United States Printing and Lithograph Company. Display device. 2,120,411; June 14.
Koehler Manufacturing Company. (See Wheat, Grant, assignor.)
Koeppen, Hans, Berlin-Lichterfelde, and H. Grünschneder, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Automatic power transmission for automotive vehicles. 2,120,896; June 14.
Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Inking mechanism for marking machines. 2,120,936; June 14.
Kramer, Eugene, P. Shields, and M. Gitelson, Los Angeles, Calif., assignors to Exhibit Supply Company, Chicago, Ill. Game apparatus. 2,120,440; June 14.
Krebser, Adolf, Riehen, near Basel, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Disazo dyestuffs and their preparation. 2,120,754; June 14.
Kriebel, Richard T., Waban, Mass., assignor to Sheet Polariser Company, Inc., Union City, N. J. New and improved viewing device for use in the examination of photoelectric effects. 2,120,365; June 14.
Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor. 2,120,427; June 14.
Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Stoker control. 2,120,937; June 14.
Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostat. 2,120,938; June 14.
Krzikalla, Hans, and P. Garbsch, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and their production. 2,120,560; June 14.
Kubo, Kaname, Mitaka-mura, Kitatama-gun, assignor to Nihon Magnesium Kabushiki Kaisha, Tokyo, Japan. Die casting apparatus. 2,120,333; June 14.
Kucki, Vincent S., Chicago, Ill. Measuring device. 2,120,412; June 14.
Kueffer, E. H. (See Trautner, Wagn, assignor.)
Kühlewind, Walter. (See Leib, A., and Kühlewind.)
Kundel, William, Hoboken, assignor of one-half to J. Parisi, Jersey City, N. J. Device for soaping flowing water. 2,120,807; June 14.
Kurtz, Jacob. (See Laise, C. A., and Kurtz.)
Kwake, Joseph A., Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,120,704; June 14.
Kyle, William D., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Straight line connecter. 2,120,460; June 14.
Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Butyl ester compositions. 2,120,755; June 14.
Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Methyl ester compositions. 2,120,756; June 14.
Lahl, Alfred. (See Amann, M., Lahl, and Hatzinger.)
Laise, Clemens A., Tenafly, assignor to Eisler Electric Corporation, Union City, N. J. Refractory material and making same. 2,120,562; June 14.
Laise, Clemens A., Tenafly, N. J., and J. Kurtz, Brooklyn, N. Y., assignors to Eisler Electric Corporation, Union City, N. J. Composite metallic bodies. 2,120,561; June 14.
Lakeland Foundation. (See Gruskin, Benjamin, assignor.)
Lamb, Edward, San Francisco, Calif. Apparatus and method for removing gas from enclosed areas. 2,120,563; June 14.
Lambach, Fritz, Belleville, N. J., assignor to Robert Reiner, Incorporated. Knitting hosiery. 2,120,522; June 14.
Lambert, Alvan R. (See Brump, H. L., and Lambert.)
Landauer, Gustav, Mannheim, Germany. Production of a high luster on dyed fibers. 2,120,757; June 14.
Landis Machine Company. (See Nell, Frederic, assignor.)
Lane, George W., Canonsburg, Pa. Pottery making machine. 2,120,253; June 14.
Larsen, Nell P., assignor to American Coach and Body Company, Cleveland, Ohio. Vehicle body construction. 2,120,918; June 14.
Laucks, I. F., Inc. (See Dike, Theodore W., assignor.)
Lauterbach, Alexander, Washington Mills, assignor to Horrocks-Ibbotson Company, Utica, N. Y. Fishing reel. 2,120,334; June 14.
Lawrence, Rollie A., Elgin, Ill. Stave. 2,120,838; June 14.
Lawson, Oscar L., assignor to National Development Company, Lynn, Mass. Heel attaching machine. 2,120,337; June 14.
Lea, Harry K., assignor to Kenlea Manufacturing Corp., Johnstown, N. Y. Method and apparatus for producing elastic knitted fabric. 2,120,758; June 14.
Lear, Earl B., and A. G. Slatcher, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Tool retainer. 2,120,283; June 14.
Le Bleu, Charles, Los Angeles, Calif. Earth working implement. 2,120,839; June 14.
Lecher, Hans Z., Plainfield, assignor to The Calco Chemical Company, Inc., Bound Brook, N. J. Cyclic biguanyl sulphonic acids. 2,120,808; June 14.
Lederer, Karl M., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Resistance element. 2,120,335; June 14.
Lee, Harry R., White Plains, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Rail joint and making the same. 2,120,428; June 14.
Lee and Simmons, Incorporated. (See Macdonald, William S., assignor.)
Leib, August, and W. Kühlewind, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Direction finder. 2,120,366; June 14.
Leiber, Ferdinand, Berlin-Friedrichshagen, Germany, assignor to Naamloose Vennootschap: Nederlandsch Laboratorium de Spaarnestad, Haarlem, Netherlands. Applying silver halide colloid layers without distortion on future printing forms. 2,120,441; June 14.
Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Knitting Machines Corporation. Knitting machine. 2,120,336; June 14.
Lenke, Mark A. (See Rosenfeld, S., and Lenke, assignors.)
Lenke, Sidney E. (See Rosenfeld, S., and Lenke.)
Lenz Electric Manufacturing Co. (See Zender, Raymond G., assignor.)
Leonhart, William F., St. Louis, Mo., assignor to Owens-Illinois Can Company. Container. 2,120,592; June 14.
Leventhal, Jacob F. (See Spence, J. L., Jr., and Leventhal.)
Lever Brothers Company. (See Godfrey, Truman M., assignor.)
Lewis, Burnard A., Los Angeles, Calif. Prostatic and vaginal medicine applicator. 2,120,367; June 14.
Linden, Walter, and E. Van Brun, Bronx, N. Y. Hairpin remover. 2,120,910; June 14.
Lindenberg, Alexander, Selkirk, Manitoba, Canada. Lapping compounds. 2,120,442; June 14.
Line Material Company. (See Kyle, William D., assignor.)
Linhardt, Charles, Jr., Baltimore, Md. Emergency light or torch No. 1. 2,120,523; June 14.
Little, Royal, assignor to Franklin Rayon Corporation, Providence, R. I. Textile creel. 2,120,750; June 14.
Livak, John E. (See Britton, E. C., Smith, Livak, and Sunderland.)
Longtin, William J., assignor to Infant Socks Company, Reading, Pa. Knitting machinery. 2,120,939; June 14.
Loop, Joseph N., Washington, D. C. Convertible duplex simplex printing telegraph system. 2,120,254; June 14.
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,120,564; June 14.
Lord, Harold W., and T. M. Dickinson, Schenectady, N. Y., assignors to General Electric Company. Electric valve circuit. 2,120,565; June 14.
Lorentzen, Hans K., Montclair, N. J. Tilt bar structure for Venetian blinds. 2,120,284; June 14.
Lots, R. W., et al., trustee. (See Cowles, Irving, assignor.)
Lovell Manufacturing Company. (See Kauffman, Walter L., II, assignor.)
Lovequest, George. (See Wohlfeld, Jacob, assignor.)
Lowkrantz, Gunne, Endicott, assignor to International Business Machines Corporation, New York, N. Y. Time delay device. 2,120,787; June 14.
Lowrey, George A. (See Hall, W. F., and Lowrey.)
Luce, Richard W., Westfield, assignor to American Gas-accumulator Company, Elizabeth, N. J. Self-focusing reflector device. 2,120,524; June 14.
Lumiere, Henri, Lyon, France. Supporting surface of airplanes and the like aircraft. 2,120,760; June 14.
Lutton, Harry E., Waynesburg, Pa. Cordless electric sadiron. 2,120,761; June 14.
Lykos, John, Stockdale, and O. H. Beaumont, North Belle Vernon, Pa. Cigarette holder. 2,120,705; June 14.
Lynch, James T., Tulsa, Okla. Film developing rack. 2,120,706; June 14.
MacAfee, Merrill W., Berkeley, Calif. Secondary butyl and other dixanthogens. 2,120,285; June 14.
Macdonald, William S., West New Brighton, assignor to Lee and Simmons, Incorporated, New York, N. Y. Barge. 2,120,286; June 14.
MacEachern, Malcolm T. (See Comper, A., and MacEachern.)
Mackay, Robert, Chicago, Ill. Device for measuring color and light densities. 2,120,499; June 14.





MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of sodium carbonate monohydrate. 2,120,287; June 14.
Madland, Gabriel, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,120,707; June 14.
Makaroff, Gregory, Lanesboro, Mass. Blade holder. 2,120,500; June 14.
Malcolm, Elmer E., et al. (See Findon, Frederick H., Jr., assignor.)
Malik, Kathie. (See Hanna, Horace W., assignor.)
Manning, Rodney W., Riverside, R. I. Valve adjusting device. 2,120,617; June 14.
Mares, Joseph R., St. Louis, Mo. Catalytic liquid phase oxidation of aromatic hydrocarbons. 2,120,672; June 14.
Martin, William H. (See Töpper, Ernst, assignor.)
Martus, Martin L., Woodbury, and E. H. Becker, Waterbury, Conn. Air-depolarized primary cell. 2,120,618; June 14.
Master Venetian Blind Hardware Corporation. (See Nisenson, Julius, assignor.)
Masters, Orville M., and H. G. Stager, Syracuse, N. Y. Machine for cutting paperboard. 2,120,920; June 14.
Mathieson Alkali Works, Inc., The. (See MacMullin, Robert B., assignor.)
Matlack, Jacob D. (See Cox, H. L., and Matlack.)
Matlow, Jacob, Brooklyn, N. Y. Movable changeable electric sign. 2,120,809; June 14.
Matter, Gustave O., Portland, Oreg. Container closure and ejector. 2,120,566; June 14.
Matthews, Irving C., Rochester, N. Y. Tip for soldering irons and the like. 2,120,708; June 14.
Matthias, Lynn H. (See Wilms, G. O., and Matthias.)
Matthies, William H., Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective switch. 2,120,413; June 14.
Matthiesen, Charles C., Clinton, Iowa. Fixture support. 2,120,619; June 14.
May Hosiery Mills, Inc. (See Jones, Gaither M., assignor.)
May Oil Burner Corporation. (See Huss, Henry, assignor.)
May, Rowland F., Potters Bar, assignor to Filter Tips Limited, London, England. Manufacture of filter tips for cigarettes. 2,120,501; June 14.
McBean, Kenneth D. (See Stimmel, B. A., Cruickshank, and McBean.)
McClanahan, Thomas G., Seattle, Wash., assignor to M. Roumm. Refrigerated spigot. 2,120,460; June 14.
McCloskey, Wilbert J., Toledo, Ohio. Flare. 2,120,255; June 14.
McCready, James P., New York, N. Y. Direction indicating system. 2,120,288; June 14.
McCullough, Paul J., assignor to J. Pavelka, Sr., St. Louis, Mo. Electrical apparatus. 2,120,289; June 14.
McCullough, William E., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Cyclic process for treating alunite. 2,120,940; June 14.
McDougal, Taine G., A. H. Fessler, and K. Schwartzwalder, Flint, assignor to General Motors Corporation, Detroit, Mich. Spark plug insulator. 2,120,338; June 14.
McGaw, Foster G., Evanston, Ill., assignor to American Hospital Supply Corporation. Insufflator. 2,120,762; June 14.
McGill, Howard H., et al. (See Bear, Albert B., assignor.)
McGill Metal Products Company. (See Sharpe, Robert H., assignor.)
McKay, Stewart R., Cleveland, Ohio. Building construction. 2,120,709; June 14.
McKelvey, John J., New York, N. Y. Hose supporter. 2,120,414; June 14.
McKenzie, Herman E., Big Bay, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Drying wood blocks. 2,120,368; June 14.
McKerihan, Thomas J., Juniata, Pa. Building up pitted holes in a metal sheet. 2,120,525; June 14.
McNairy, Jacob W. (See Tritle, J. F., and McNairy.)
McNairy, Jacob W., Erie, Pa., assignor to General Electric Company. Control system. 2,120,954; June 14.
McSherry, Ignatius A., St. Paul, Minn. Lighter for gas stoves. 2,120,841; June 14.
Meadows, Paul M., Haworth, N. J. Stereopticon slide. 2,120,673; June 14.
Mensing, Carl E., Somerville, N. J., assignor to Calco Chemical Company, New York, N. Y. Process and apparatus for gas and liquid contact. 2,120,258; June 14.
Merolle, Augustus L., assignor to Empire Metal Cap Co., Inc., Brooklyn, N. Y. Receptacle closure and producing the same. 2,120,646; June 14.
Merrill, James A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Golf ball cover. 2,120,567; June 14.
Messenger, Herbert, Claysville, Pa. Change-speed drive transmission. 2,120,293; June 14.
Meyer, Andre J., Lexington, Ky., assignor to The Reed Propeller Co., Inc. Adjustable combustion chamber engine. 2,120,290; June 14.
Meyer, Gustav, Hanover, Germany. Coupling device for motor lorry trains. 2,120,415; June 14.
Michaud, Elzear V., assignor of two-fifths to R. D. Schnoor, and one-fifth to R. F. Miehle, Jr., Chicago, Ill. Fuel burner. 2,120,257; June 14.
Miehle, Robert F., Jr., et al. (See Michaud, Elzear V., assignor.)
Miller, L., & Sons, Inc. (See Sutton, John R., assignor.)
Miller, Levi N., Elkhart, Ind. Saw. 2,120,897; June 14.
Miller, Samuel C. (See Sonkin, Samuel, assignor.)
Mills, Albert W., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Card feeding mechanism. 2,120,369; June 14.
Minassian, Frederic S., assignor of thirty percent to J. T. Basseches, New York, N. Y. Safety razor and blade therefor. 2,120,940; June 14.
Minerals Separation North American Corporation. (See Wilkinson, Eltoft W., assignor.)
Minneapolis-Honeywell Regulator Company. (See Grant, Arthur C., assignor.)
Minneapolis-Honeywell Regulator Company. (See Kronmiller, Carl G., assignor.)
Mishawaka Rubber and Woolen Manufacturing Company. (See Bodle, John P., assignor.)
Mishelevich, Benjamin, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electromagnetic device. 2,120,359; June 14.
Monarch Marking System Company, The. (See Kohnle, Frederick, assignor.)
Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)
Monsanto Chemical Company. (See Towne, Edmund B., assignor.)
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Container. 2,120,258; June 14.
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Paper container. 2,120,898; June 14.
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Making containers. 2,120,899; June 14.
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Fiber container and making the same. 2,120,900; June 14.
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Container. 2,120,901; June 14.
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Making containers. 2,120,902; June 14.
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Closure for containers. 2,120,903; June 14.
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Container and making the same. 2,120,904; June 14.
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Container. 2,120,905; June 14.
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Filling and closing containers. 2,120,906; June 14.
Moore, William V., Grand Rapids, Mich. Valve. 2,120,763; June 14.
Morgan Construction Company. (See Sheperdson, John W., assignor.)
Morin, Luke O., Chattanooga, Tenn. Orchard heater. 2,120,291; June 14.
Morton, James, Tuether, Carlisle, assignor to F. N. F. Limited, Croydon, Surrey, England. Mold for parts of knitting machinery. 2,120,502; June 14.
Mouat, John A. (See Raymer, Guy N., assignor.)
Mowery, John N., Worcester, Mass. Sprinkler head. 2,120,620; June 14.
Murray, Alan E., New York, N. Y. Foot support and construction involving the same. 2,120,370; June 14.
Naamlooze Bennootschap: Nederlandsch Laboratorium de Spaarnestad. (See Leiber, Ferdinand, assignor.)
Nash, John H., Dayton, Ohio. Water softening apparatus. 2,120,429; June 14.
National Aniline & Chemical Company. (See Coons, Kenneth W., assignor.)
National Aniline and Chemical Company. (See Richards, George H., assignor.)
National Cash Register Co., The. (See Breitling, Ernst, assignor.)
National Development Company. (See Lawson, Oscar L., assignor.)
National Lead Company. (See Hiersk, George O., assignor.)
National-Standard Company. (See Doom, Elgin C., assignor.)
National Television Corporation. (See Zilliger, Arno, assignor.)
National Twist Drill & Tool Company. (See Oxford, C. J., and Nelson, assignors.)
National Vulcanised Fibre Co. (See Tatnall, Joseph S., assignor.)
Nazir, Phirose P., Byfleet, England. Aeroplane and the like. 2,120,568; June 14.
Nell, Frederic, assignor to Landis Machine Company, Waynesboro, Pa. Chaser assembly. 2,120,621; June 14.
Nelson, John. (See Oxford, C. J., and Nelson.)
Neptune Meter Company. (See Hazard, Charles S., assignor.)
Neuerburg, Hans, G. m. b. H. (See Schünemann, Heinrich, assignor.)
Newbold, Park L., Cedar Rapids, Iowa. Milking stool. 2,120,312; June 14.

Newill, Edward B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,120,674; June 14.

News Syndicate Co. Inc. (See Peters, John, and Crosby, assignors.)

Newton, Alwin B., assignor to York Ice Machinery Corporation, York, Pa. Refrigeration. 2,120,764; June 14.

Nice, Milo A., Haselton, Pa., assignor to Hercules Powder Company, Wilmington, Del. Blasting explosive. 2,120,503; June 14.

Nieding, Arthur D., Vermilion, Ohio. Edible container. 2,120,710; June 14.

Nier, Bruno, Beierfeld in Sachsen, Germany. Storm lantern burner. 2,120,907; June 14.

Nifong Sealing Machine Company. (See Nifong, Thomas H., assignor.)

Nifong, Thomas H., assignor of one-half to G. Agee, Winston-Salem, N. C. Method of and apparatus for applying a flexible sheet to a receptacle. 2,120,504; June 14.

Nifong, Thomas H., assignor to Nifong Sealing Machine Company, Winston-Salem, N. C. Apparatus for applying stripe to receptacles. 2,120,505; June 14.

Nihon Magnesium Kabushiki Kaisha. (See Kubo, Kaname, assignor.)

Nikas, Theodore, et al. (See Bear, Albert B., assignor.)

Nisenson, Julius, Brooklyn, assignor to Master Venetian Blind Hardware Corporation, New York, N. Y. Venetian blind. 2,120,292; June 14.

Nogar, Clayton A. (See Williams, C., and Nogar.)

Nordmark, Henry P. (See Baker, D. R., and Nordmark.)

Norrman, Ernst, Brooklyn, assignor to International Business Machines Corporation, New York, N. Y. Communication system. 2,120,371; June 14.

North American Rayon Corporation. (See Stoeckley, Johann J., assignor.)

Nutting, Howard S., and P. S. Petrie, assignors to The Dow Chemical Company, Midland, Mich. Preparation of brominated hydrocarbons. 2,120,675; June 14.

Oakes Products Corporation. (See Jandus, Herbert S., assignor.)

Offutt, Harold M. (See Billings, E., and Offutt.)

O'Hagan, Charles P., Chicago, Ill. Fuel burner. 2,120,372; June 14.

Ohio Citizens Trust Company, The. (See Replogle, Daniel B., assignor.)

Oliver, Osmer F., assignor to The Tri Dermis Company, Akron, Ohio. Skin protectant composition. 2,120,569; June 14.

Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Hydraulic brake. 2,120,676; June 14.

Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Valved coupling for hydraulic brakes. 2,120,677; June 14.

Olympia Büromaschinenwerke Aktiengesellschaft. (See Flader, Konrad, assignor.)

O'Meara, Robert G. (See Clemmer, J B., and O'Meara.)

O'Rourke, James R., assignor of one-third to R. E. Fristoe, and one-third to H. F. Johnson, Galveston, Tex. Damper regulator. 2,120,506; June 14.

Orvin, Lars J., Oslo, Norway. Infrared ray viewing means. 2,120,765; June 14.

Otto, Carl A., assignor to Johnson Service Company, Milwaukee, Wis. Temperature regulation. 2,120,507; June 14.

Owen, William H., Chicago, Ill. Mold and making same. 2,120,526; June 14.

Owens-Illinois Can Company. (See Leonhart, William F., assignor.)

Owens-Illinois Glass Company. (See Tucker, Jesse L., assignor.)

Oxford, Carl J., Detroit, and J. Nelson, Berkley, assignors to National Twist Drill & Tool Company, Detroit, Mich. Boring tool. 2,120,622; June 14.

Oxford, Carl J., Detroit, and J. Nelson, Berkley, assignors to National Twist Drill & Tool Company, Detroit, Mich. Rotary tool. 2,120,623; June 14.

Packard Motor Car Company. (See Bogardus, Leonard R., assignor.)

Pamel, Christ D., et al. (See Bear, Albert B., assignor.)

Papet, Max, Paris, France. Door lock. 2,120,647; June 14.

Parisi, Joseph. (See Kundel, William, assignor.)

Parisi, Michael, New York, assignor of one-half to M. P. Doughty, Lawrence, N. Y. Incandescent nernst lamp. 2,120,527; June 14.

Parkhurst, George L., assignor to Standard Oil Company, Chicago, Ill. Solvent fractionation. 2,120,810; June 14.

Parsons, John, New York, N. Y. Apparatus for ascertaining and appraising effective temperature. 2,120,952; June 14.

Parsons, John L., and D. T. Jackson, assignors to Hammermill Paper Company, Erie, Pa. Bleaching and purifying process. 2,120,678; June 14.

Patterson, Charley T., Springfield, Mo. Fastening device. 2,120,470; June 14.

Paul, David, Brooklyn, N. Y. Fuel controlling device. 2,120,866; June 14.

Pavelka, Joseph, Sr. (See McCullough, Paul J., assignor.)

Pearse, Frank Y., Alhambra, and G. P. Fackt, Los Angeles, Calif., assignors to Gladding-McBean & Co. Terra cotta grinding machine. 2,120,570; June 14.

Pearson, Arthur L., High Point, N. C. Sanding wheel head. 2,120,624; June 14.

Peckenpaugh, Charles E., Aylsham, Saskatchewan, Canada. Lifting jack. 2,120,625; June 14.

Periman, Charles. (See Swanton, Frederick V. W., assignor.)

Perry, John A., Toronto, Ontario, Canada. Hydraulic brake mechanism. 2,120,294; June 14.

Perry, Robert L., Chicago, Ill. Electric sign. 2,120,259; June 14.

Peters, John, Teaneck, N. J., and H. M. Crosby, Jackson Heights, assignors to News Syndicate Co. Inc., New York, N. Y. Apparatus for drying printing plates. 2,120,471; June 14.

Petrie, Peter S. (See Nutting, H. S., and Petrie.)

Pfeiffer, William C., assignor to The Egry Register Company, Dayton, Ohio. Manifolding machine. 2,120,766; June 14.

Philadelphia and Reading Coal and Iron Company, The. (See Jennings, Burgess H., assignor.)

Philadelphia Storage Battery Company. (See Brown, Reynolds D., Jr., assignor.)

Phillips, Fred C., Stoughton, Mass. Apparatus for securing calks to athletic shoe soles. 2,120,711; June 14.

Picker X-Ray Corporation Waite Manufacturing Division, Inc. (See Horsley, C. B., and Goldfield, assignors.)

Pickup, George E., assignor, by mesne assignments, to Florence-Wehrle Stove Co., Newark, Ohio. Cabinet heater. 2,120,841; June 14.

Pier, Mathias, Heidelberg, and E. Donath, Mannheim, Germany, assignors to Standard-I. G. Company, Linden, N. J. Destructive hydrogenation of carbonaceous materials. 2,120,295; June 14.

Pier, Mathias, Heidelberg, and E. Anthes and H. Schappert, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Heating up carbonaceous material. 2,120,296; June 14.

Pierce, John B., Foundation. (See Groeniger, William C., assignor.)

Piggly Wiggly Corporation. (See Gray, Richard E., assignor.)

Pilkington Brothers Limited. (See Slocombe, Frank E., assignor.)

Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Securing trim panel. 2,120,942; June 14.

Plax Corporation. (See Ferngren, Enoch T., assignor.)

Pohle, Albert, Brooklyn, N. Y. Gravity press. 2,120,679; June 14.

Pontikis, James, et al. (See Bear, Albert B., assignor.)

Powers, Milton A., and J. A. Wilson, Detroit, Mich., assignors, by mesne assignments, to The Timken-Detroit Axle Company. Apparatus for burning liquid fuels. 2,120,626; June 14.

Pressed Steel Car Company. (See Blest, M. C., and Koch, assignors.)

Prest-O-Lite Battery Company. (See Simmons, Herbert G., assignor.)

Pugsley, Edwin, et al., executors. (See Sedgley, Reginald F.)

Pullen, Ovid, Harmony, N. C. Cotton chopper. 2,120,867; June 14.

Pure Fruit Juices, Inc. (See Robison, Floyd W., assignor.)

Purweet, Julius E., Maspeth, Long Island, N. Y. Spring assembly. 2,120,528; June 14.

Pysel, Robert, assignor to Universal Oil Products Company, Chicago, Ill. Reactivation of solid phosphoric acid catalysts. 2,120,712; June 14.

Quirico, Patrizia, New York, N. Y. Hand machine for washing clothes. 2,120,921; June 14.

Radio Corporation of America. (See Ditcham, William T., assignor.)

Radio Corporation of America. (See Dreyer, John F., Jr., assignor.)

Radio Patents Corporation. (See Herrmann, Werner, assignor.)

Rainford Potteries Limited. (See Grundy, Francis W., assignor.)

Ralston, George L., et al. (See Findon, Frederick H. Jr., assignor.)

Ramsey, James W. (See Shipp, V. L., Boenau, and Ramsay.)

Raney, Ben B., Linton, Ind. Cassette filter. 2,120,908; June 14.

Rapid Mold Company, The. (See Gay, Arthur W., assignor.)

Rasmussen, Olaf, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Hydraulic brake wheel cylinder packing. 2,120,922; June 14.

Rast, Frederick Q., assignor to International Business Machines Corporation, New York, N. Y. Weight controlled machine. 2,120,373; June 14.

Raver, Francis M., assignor to York Ice Machinery Corporation, York, Pa. Refrigeration apparatus. 2,120,767; June 14.

Rawiplug Company, The. (See Schulte, Max L., assignor.)

Raymer, Guy N., Beatrice, assignor of one-half to J. A. Monat, Loleta, Calif. Collapsible boat. 2,120,627; June 14.

Rayner, Greta, Vancouver, British Columbia, Canada. Corset. 2,120,506; June 14.





Rear, James S., Vancouver, British Columbia, Canada. Garment renewing machine. 2,120,340; June 14.

Reconstruction Finance Corporation. (See Key, Frederick E., assignor.)

Reed, Harry S., Yakima, Wash. Automatic polish feeder. 2,120,868; June 14.

Reed Propeller Co., Inc., The. (See Meyer, Andre J., assignor.)

Reichenstein, Morris W., and R. F. Jolley, Akron, Ohio. Fly tying. 2,120,571; June 14.

Reid, Ernest W., Brussels, Belgium, assignor to Union Carbide and Carbon Corporation. Laminated glass. 2,120,628; June 14.

Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Locking device for semitrailers. 2,120,509; June 14.

Reinecke, Marshall C., Brooklyn, assignor, by mesne assignments, to Food Devices Incorporated, New York, N. Y. Device for producing aerated expanded food products. 2,120,297; June 14.

Reiner, Robert, Incorporated. (See Lambach, Fritz, assignor.)

Rejeb, Nouri, et al. (See Kadri, Vassaf, assignor.)

Renck, Carl, and H. H. H., Hamburg, Germany. Manufacturing chemical picture carriers. 2,120,416; June 14.

Renck, Hans H. H. (See Renck, Carl, and H. H. H.)

Replogle, Daniel B., Berkeley, Calif., assignor to The Ohio Citizens Trust Company, Toledo, Ohio. Electrical attachment for floor tools or nozzles of air-method cleaners. 2,120,260; June 14.

Reynolds, Francis B., Bronxville, assignor to Columbia Mills Inc., New York, N. Y. Wrapping Venetian blinds. 2,120,593; June 14.

Reyrolle & Company. (See Clothier, Henry W., assignor.)

Rhoads, Frank O., Seattle, Wash. Rotary tube closure. 2,120,510; June 14.

Riatel, Manlio M., Turin, Italy, assignor to Cela Holding S. A., Paris, France. Process and product for obtaining rapid coagulation of rubber. 2,120,572; June 14.

Ricardo, Harry R., London, England. Combustion chamber of internal combustion engines of the compression ignition type. 2,120,768; June 14.

Riccelli, Joseph A., Somerville, Mass. Window sash fastener. 2,120,788; June 14.

Rich, Charles A., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Feed mechanism for screw and similar machines. 2,120,842; June 14.

Richards, George H., Buffalo, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Preparation of compounds of the benzidine series. 2,120,811; June 14.

Richter, George A., assignor to Brown Company, Berlin, N. H. Preparing viscose. 2,120,417; June 14.

Rieche, Alfred, Wolfen Kreis Bitterfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Stabilized solid hydrogen peroxide preparation. 2,120,430; June 14.

Rinaldy, Edward S., and A. Schaefer, Chester, N. J. Animal trap. 2,120,812; June 14.

Riotte, Roger, Puteaux, assignor to Sonora Radio, S. A., Puteaux, (Seine), France. Radio tuning indicator device. 2,120,813; June 14.

Risdon, Roy S., San Francisco, Calif. Supporting rack. 2,120,511; June 14.

Ritchie, Theodore H. (See Schoepf, T. H., and Ritchie.)

Ritter, Heinrich, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Acid wool dyestuffs. 2,120,573; June 14.

Ritzert, Norman J. (See Freedlander, A. L., and Ritzert.)

Robbins & Myers, Inc. (See Bargdill, George E. L., assignor.)

Robison, Floyd W., assignor to Pure Fruit Juices, Inc., Detroit, Mich. Blending fruit juices. 2,120,261; June 14.

Rodess, Samuel C., Huntington Park, Calif. Bird cage. 2,120,262; June 14.

Röhm & Haas Company. (See Bruson, Herman A., assignor.)

Rooth, Gunnar, Linköping, Sweden. Packing disks in piles and discharging the packets obtained. 2,120,789; June 14.

Roper, Val J., Cleveland Heights, Ohio, assignor to General Electric Company. Apparatus for testing projection lamps. 2,120,869; June 14.

Roper, Val J., Cleveland Heights, Ohio, assignor to General Electric Company. Incandescent lamp. 2,120,870; June 14.

Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Apparatus for drawing plastic material. 2,120,790; June 14.

Rose Brothers (Gainsborough) Limited. (See Rose, Alfred G., assignor.)

Rose, Francis L., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Azo dyestuffs. 2,120,814; June 14.

Rosen, Rabin, Brooklyn, N. Y. Loose leaf binder. 2,120,648; June 14.

Rosenak, Theodore, Fox Point, assignor to Jos. Schlitz Brewing Company, Milwaukee, Wis. Window display. 2,120,472; June 14.

Rosenberg, Heyman, New York, N. Y. Machine for making capped nut blanks. 2,120,649; June 14.

Rosenberg, Heyman, New York, N. Y. Machine for making capped nuts from thimbles. 2,120,650; June 14.

Rosenfeld, Samuel, and S. E. Lenke, Brooklyn, assignors to M. A. Lenke, Port Washington, N. Y. Method of and pledget for the treatment of accessible hemorrhage with snake venom having blood coagulating properties in vitro. 2,120,680; June 14.

Rosenhauer, Erich, Dusseldorf-Benrath, assignor, to the firm Henkel & Cie, G. m. b. H., Dusseldorf, Germany. Sulphuric acid derivatives or organic acid amides. 2,120,512; June 14.

Ross, King, Jackson Heights, Long Island, N. Y. Sound-on-film optical system. 2,120,263; June 14.

Roth, Adolph F., Wilkes-Barre, Pa. Stop on strap for antiskid devices and the like. 2,120,264; June 14.

Rottke, Alma, geb. Zenner, and E. Rottke, Wiesbaden, Germany. Leg straightening attachment. 2,120,713; June 14.

Rottke, Elsbeth. (See Rottke, Alma and E.)

Rottmer, Henry E., Washington, D. C. Boat detaching apparatus. 2,120,923; June 14.

Roumm, Milton. (See McClanahan, Thomas G., assignor.)

Roycroft, Walter R. (See Beattie, J. F., Cunningham, and Roycroft.)

Ruben, Samuel, New Rochelle, N. Y., assignor to Vega Manufacturing Corporation, Wilmington, Del. Electrical pyrometer. 2,120,374; June 14.

Rudowitz, Isaac M., New York, N. Y. Foldable box body. 2,120,871; June 14.

Ryan, John F., Baltimore, Md. Life boat launching device. 2,120,265; June 14.

Rychner, Ernst, Zurich, Switzerland. Device for cleaning and shampooing the scalp. 2,120,769; June 14.

Ryder, Elmer, Elgin, Ill. Crankcase drain. 2,120,681; June 14.

Sachs, Joseph, West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Electric meter connection appliance. 2,120,574; June 14.

Sachs, Joseph, West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Electric meter connection appliance. 2,120,575; June 14.

Safetee Torpedo Corporation. (See Sherman, Louie A., assignor.)

Saint-Jacques, Eugène C., Paris, France. Furnace for treating pulverulent materials. 2,120,785; June 14.

Samiran, David, Dayton, Ohio. Fluid dispensing apparatus. 2,120,266; June 14.

Schaad, Raymond E. (See Ipatieff, V., and Schaad.)

Schaefer, Adam. (See Rinaldy, E. S., and Schaefer.)

Schappert, Hans. (See Pier, M., Anthes, and Schappert.)

Schellenger, Newton C., assignor to Chicago Telephone Supply Co., Elkhart, Ind. Variable resistance device. 2,120,651; June 14.

Schirm, Erik, Dessau, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Enhancing the colorability of cellulosic fiber. 2,120,267; June 14.

Schlitz, Jos., Brewing Company. (See Rosenak, Theodore, assignor.)

Schmer, Karl, Berlin-Mariendorf, Germany, assignor to General Electric Company. Elastic fluid condenser arrangement. 2,120,900; June 14.

Schmidt, Edwin X., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Method of and apparatus for determining the heating value of combustible gaseous fluids. 2,120,791; June 14.

Schnell, Julius L., Arlington, N. J. Fountain pen. 2,120,652; June 14.

Schnoll, Nathan, New York, N. Y., assignor to Solar Manufacturing Corporation. Electrolytic device. 2,120,815; June 14.

Schnoll, Nathan, New York, N. Y., assignor to Solar Manufacturing Corporation. Impregnating process for electrolytic condensers. 2,120,816; June 14.

Schnoor, Raymond D., et al. (See Michaud, Elsear V., assignor.)

Schoepf, Theodore H., and D. M. Ritchie, assignors to The Cincinnati Traction Building Company, Cincinnati, Ohio. Method and apparatus for braking. 2,120,443; June 14.

Scholaert, Albert C., Tourcoing, France. Controlling the worker of teasing machines. 2,120,576; June 14.

Schroeder, Wilburn C., Highland Park, N. J., assignor of one-half to W. H. & L. D. Betz, Philadelphia, Pa. Determination of barium and sulphate by means of tetrahydroxyquinone. 2,120,529; June 14.

Schubert & Salzer, Maschinenfabrik Aktiengesellschaft. (See Helmitz, Woldemar, assignor.)

Schuh, Charles H., Ridgewood, assignor, by mesne assignments, to Bakelite Building Products Co., Inc., New York, N. Y. Forming a fibrous cement composition. 2,120,268; June 14.

Schulte, Max L., Ridgewood, N. J., assignor to The Rawlplug Company, Inc., New York, N. Y. Machine screw anchor. 2,120,577; June 14.

Schulz, Herman B., Chicago, Ill. Refining iron and steel. 2,120,298; June 14.

Schulze, Edwin H., assignor to Stewart-Warner Corporation, Chicago, Ill. Speedometer drive for bicycles. 2,120,578; June 14.

Schünemann, Heinrich, Berlin-Spandau, assignor to Hans Neuerburg, G. m. b. H., Cologne-on-the-Rhine, Germany. Air and moisture proof rip seal for packages. 2,120,629; June 14.

Schutz, Adolph, Wurzen, Germany, assignor, by mesne assignments, to International Carbonic Engineering Company, Wilmington, Del. Press apparatus for solid carbon dioxide and the like. 2,120,943; June 14.

Schwab, Victor. (See Brenner, M. L., and Schwab.)

Schwartz, Fernand F., Paris, France, assignor to Cela Holding S. A., Luxemburg, Luxemburg. Vulcanizing latex. 2,120,579; June 14.

Schwartz, Francis H. (See Soss, J., and Schwartz.)

Schwartzwalder, Karl. (See McDougal, T. G., Fessler, and Schwartzwalder.)

Scofield, Theodore J., assignor to The Sparks-Withington Company, Jackson, Mich. Gas discharge tuning indicator. 2,120,955; June 14.

Scott, Walter C., Plainfield, N. J. Printing or other machine. 2,120,714; June 14.

Sea Pride Packing Corp., Ltd. (See Breinner, M. L., and Schwab, assignors.)

Sedgley, Reginald F., deceased, Philadelphia, Pa.; E. Pugsley and Girard Trust Company, executors. Reeling mechanism. 2,120,944; June 14.

Seever, John R., Chicago, Ill. Electrical socket and making same. 2,120,630; June 14.

Segay, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,120,715; June 14.

Semmes and Semmes. (See Clemmer, J. B., and O'Meara, assignors.)

Seward, George A., Pickwick, Tenn. Vacuo-thermal massage appliance. 2,120,872; June 14.

Shackleton, Samuel P. (See Edwards, P. G., Jordan, and Shackleton.)

Shafer, Lincoln M. (See Crossley, M. L., and Shafer.)

Sharp, Robert H., Marengo, assignor to McGill Metal Products Company, Chicago, Ill. Hand punch. 2,120,682; June 14.

Shaver, George W., and C. E. Sibert, Los Angeles, Calif. Slicing machine. 2,120,375; June 14.

Sheet Polariser Company. (See Kriebel, Richard T., assignor.)

Sheperdson, John W., assignor to Morgan Construction Company, Worcester, Mass. Manufacture of beveled edge strip. 2,120,473; June 14.

Shephard, Sidney, East Bridgford, near Bingham, England. Yarn package. 2,120,910; June 14.

Sherman, Louis A., Florissant, assignor to Safetee Torpedo Corporation, St. Louis, Mo. Fusee. 2,120,580; June 14.

Shields, Percy. (See Kramer, E., Shields, and Gitelson.)

Shipp, Vladimir L., New York, and A. H. Boenau, Long Island City, assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of asphalts. 2,120,376; June 14.

Shipp, Vladimir L., New York, A. H. Boenau, Sunnyside, and J. W. Ramsay, assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of asphalts. 2,120,377; June 14.

Shippee, Carl C. (See Shippee, Winsor and C. C.)

Shippee, Winsor and C. C., Red Bank, N. J. Fastening device. 2,120,530; June 14.

Shoemaker, Robert W., Anderson, Ind., assignor to A. J. R. Greer, Morgantown, W. Va. Pickling machine. 2,120,843; June 14.

Shpater, David, Brooklyn, N. Y. Strip guiding attachment for sewing machines. 2,120,911; June 14.

Shriver, Charles, Massillon, Ohio. Pickling tank. 2,120,716; June 14.

Sibert, Clarence E. (See Shaver, G. W., and Sibert.)

Sichère, René M., Long Island City, N. Y. Container for liquid paints. 2,120,531; June 14.

Sikorsky, Igor I., Trumbull, assignor to United Aircraft Corporation, East Hartford, Conn. Trimming means for control surfaces. 2,120,717; June 14.

Simmons, Herbert G., assignor to Prest-O-Lite Battery Company, Inc., Indianapolis, Ind. Barbecue grill. 2,120,683; June 14.

Simon, Max, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Foundation garment. 2,120,817; June 14.

Sinclair, Charles W., assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 2,120,631; June 14.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Forming wheels. 2,120,632; June 14.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Forming wheels. 2,120,633; June 14.

Skeats, Wilfred F., Lansdowne, Pa., assignor to General Electric Company. Circuit breaker tester. 2,120,873; June 14.

Slatcher, Alfred G. (See Lear, E. B., and Slatcher.)

Sliger, Oscar. University City, Mo. Counter-sham. 2,120,653; June 14.

Sloan, Francis P., Scarsdale, N. Y. Hopper. 2,120,269; June 14.

Slocombe, Frank E., Doncaster, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for the intermittent production of rolled glass plates. 2,120,912; June 14.

Smith, Charles T., The Dalles, Oreg. Apparatus for dredging. 2,120,444; June 14.

Smith, Frank B. (See Britton, E. C., Smith, Livak, and Sunderland.)

Smith, Howard A., assignor to Knapp-Monarch Company, St. Louis, Mo. Corn popper. 2,120,718; June 14.

Smith, Orva N., Berne, Ind. Tiltable chair. 2,120,341; June 14.

Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Crop and defecting apparatus. 2,120,313; June 14.

Società Italiana Pirelli. (See Emanueli, Luigi, assignor.)

Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint Gobain, Chauny & Cirey. (See Desbordes, L., and Bertrand, assignors.)

Society of Chemical Industry in Basle. (See Bonhôte, Gérald, assignor.)

Society of Chemical Industry in Basle. (See Felix, F., and Huber, assignors.)

Society of Chemical Industry in Basle. (See Graenacher, C., and Bruengger, assignors.)

Society of Chemical Industry in Basle. (See Graenacher, C., Bruengger, and Ackermann, assignors.)

Socony-Vacuum Oil Company. (See Shipp, V. L., and Boenau, assignors.)

Socony-Vacuum Oil Company. (See Shipp, V. L., Boenau, and Ramsay, assignors.)

Solar Manufacturing Corporation. (See Schnoll, Nathan, assignor.)

Sonkin, Simon, assignor to S. C. Miller, New York, N. Y. Tube sign construction. 2,120,581; June 14.

Sonkin, Simon, assignor to S. C. Miller, New York, N. Y. Tube sign construction. 2,120,582; June 14.

Sonora Radio, S. A. (See Riotte, Roger, assignor.)

Sorensen, Martin A., Lincoln, Nebr. Interchangeable sign. 2,120,418; June 14.

Sorrick, Charles H., Jr. (See Klippel, H. B., and Sorrick.)

Soss, Joseph, Roselle, N. J. Hood hinge. 2,120,684; June 14.

Soss, Joseph, and F. H. Schwartz, Roselle, N. J.; said Schwartz assignor to said Soss. Automatic latch concealed hinge. 2,120,685; June 14.

South Bend Bait Company. (See Howarth, David, assignor.)

Spaeth, Charles, Cleveland, Ohio. Float gauge. 2,120,719; June 14.

Spánel, Abraham N., Rochester, N. Y. Making sheet latex articles. 2,120,720; June 14.

Spánel, Abraham N., Rochester, N. Y. Method of and apparatus for making rubber thread. 2,120,721; June 14.

Sparks-Withington Company, The. (See Scofield, Theodore J., assignor.)

Spellacy, John F., Fairview Village, and T. L. Burrell, Cleveland, Ohio. Slab turning apparatus. 2,120,314; June 14.

Spellacy, John F., Fairview Village, and T. L. Burrell, Cleveland, Ohio. Slab turning apparatus. 2,120,315; June 14.

Spence, John L., Jr., Brooklyn, and J. F. Leventhal, assignors to Akeley Camera, Inc., New York, N. Y. Moving picture camera lens substitution device. 2,120,654; June 14.

Sperry Gyroscope Company. (See Hodgman, Frederick S., assignor.)

Sperry-Sun Well Surveying Company. (See Hyer, Robert S., assignor.)

Sprankle, Charles L., Cleveland, Ohio. Windshield wiper tension arm. 2,120,945; June 14.

Stager, Henry G. (See Masters, O. M., and Stager.)

Stafford, William L., Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Thermal insulating composition. 2,120,451; June 14.

Stahn, Richard, Dessau, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of nitrogeneous cellulose derivatives. 2,120,513; June 14.

Standard-I. G. Company. (See Pier, M., and Donath, assignors.)

Standard Oil Company. (See Houser, A. R., and Ducommun, assignors.)

Standard Oil Company. (See Parkhurst, George L., assignor.)

Standard Railway Equipment Manufacturing Company. (See Bancroft, Alfred G., assignor.)

Standard Railway Equipment Manufacturing Company. (See Bonsall, Charles D., assignor.)

Standard Railway Equipment Manufacturing Company. (See Finger, Paul E., assignor.)

Steinthal, Augustus, New York, N. Y. Sample holder. 2,120,518; June 14.

Steinthal, Augustus, New York, N. Y. Sample holder. 2,120,519; June 14.

Stephens, Frederick L., St. Louis, Mo. Savings bank. 2,120,514; June 14.

Stern, Charles, Jersey City, assignor to Ardco Manufacturing Company, Hoboken, N. J. Drifting valve for locomotives. 2,120,770; June 14.

Stevenson, Ralph A., Palo Alto, assignor to Great Western Electro-Chemical Co., San Francisco, Calif. Treating sewage. 2,120,634; June 14.

Stewart-Warner Corporation. (See Schulse, Edwin H., assignor.)





Stidham, Ted, Pound, Va. Carburetor. 2,120,342; June 14.

Stillschweig, Sigismund, Berlin, Germany. Separable fastener. 2,120,924; June 14.

Stimmel, Byron A., K. D. McBean, and G. Cruickshank, Trail, British Columbia, assignors to The Consolidated Mining & Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Apparatus for the burning of mineral sulphides in gaseous suspension. 2,120,474; June 14.

Stimmel, Byron A., K. D. McBean, and G. Cruickshank, Trail, British Columbia, assignors to The Consolidated Mining & Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Apparatus for the burning of mineral sulphides in gaseous suspension-heat control. 2,120,475; June 14.

Stock, F. W., & Sons, Inc. (See Tubbs, George E., assignor.)

Stoeckly, Johann J., Teltow-Seehof, Germany, assignor to North American Rayon Corporation, New York, N. Y. Clarifier. 2,120,515; June 14.

Stokely, Grace M., executrix. (See Stokely, Ray L.)

Stokely, Ray L., deceased, by G. M. Stokely, executrix, Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,120,419; June 14.

Stone, Blair H., El Reno, Okla. Throttling calorimeter. 2,120,874; June 14.

Stone, Morris D., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Apparatus for welding and flash trimmings. 2,120,316; June 14.

Stonehill, Edward. (See Baker, Blake, assignor.)

Story, Le Roy G., Mount Vernon, assignor to The Texas Company, New York, N. Y. Conversion of hydrocarbon oils. 2,120,655; June 14.

Stramaglia, Nicola, Chicago, Ill. Cooling apparatus. 2,120,299; June 14.

Strom, Victor A., Alameda, Calif. Paper packet. 2,120,317; June 14.

Studler, René R., U. S. Army, Philadelphia, Pa. Projectile. 2,120,913; June 14.

Stuller, Earl A., assignor to Western Chain Products Co., Chicago, Ill. Buckle. 2,120,656; June 14.

Sun Shipbuilding & Dry Dock Company. (See Barraja-Frauenfelder, Joseph, assignor.)

Sunderland, Winfield W. (See Britton, E. C., Smith, Livak, and Sunderland.)

Superior Felt and Bedding Company. (See Bowersox, J. W., and Blaha, assignors.)

Sutherland, Frank, Walpole, assignor to Bird & Son, Inc., East Walpole, Mass. Clamping device. 2,120,686; June 14.

Sutton, John R., New York, assignor to I. Miller & Sons, Inc., Long Island City, N. Y. Display device. 2,120,445; June 14.

Swallen, Lloyd C., Pekin, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Production of gelatin. 2,120,946; June 14.

Swanton, Frederick V. W., assignor of one-half to C. Perlman, Johannesburg, Transvaal, Union of South Africa. Apparatus and process for desilting natural streams of water. 2,120,516; June 14.

Swenson Evaporator Company. (See Barnebl, August J., assignor.)

Sylvester, Kimmel A., Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation. Keyboard perforator and counter. 2,120,517; June 14.

Tarson, Andrew W. (See Tarson, Catherine, assignor.)

Tarson, Catherine, assignor of one-half to A. W. Tarson, Cicero, Ill. Making a decorative design. 2,120,687; June 14.

Tatnall, Joseph S., assignor to National Vulcanised Fibre Co., Wilmington, Del. Roll. 2,120,875; June 14.

Tauschek, Gustav, assignor to International Business Machines Corporation, New York, N. Y. Luminous sign. 2,120,378; June 14.

Taylor, Eural W., Arp, Tex. Reciprocating machine tool. 2,120,300; June 14.

Taylor, Raymond S., P. M. Torrance, and R. H. Anderson, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Inner tube. 2,120,379; June 14.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Leib, A., and Kühlewind, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Ullbricht, Günther, assignor.)

Teletypesetter Corporation. (See Sylvester, Kimmel, A., assignor.)

Texas Company, The. (See Broussard, Frank P., assignor.)

Texas Company, The. (See Story, Le Roy G., assignor.)

Thomas, Albert A., Indianapolis, Ind. Method of and apparatus for repairing fractured bones. 2,120,446; June 14.

Thompson, Arthur R., San Francisco, Calif. Signal device. 2,120,380; June 14.

Thompson, Frank S., assignor to T. C. Thompson & Son, Limited, Manchester, England. Delivery mechanism of platen printing presses. 2,120,532; June 14.

Thompson, George A., Chicago, Ill. Electric level indicator. 2,120,771; June 14.

Thompson, Marvin R., Catonsville, Md., assignor to John Wyeth & Brother, Incorporated, Philadelphia, Pa. Purified ergot product. 2,120,635; June 14.

Thompson, T. C., & Son, Limited. (See Thompson, Frank S., assignor.)

Thürlings, Hermann, Viersen, Germany, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Filling soft center confections and the like. 2,120,820; June 14.

Tillotson, Neil E., Watertown, Mass. Coated article and producing. 2,120,722; June 14.

Tillson Bearing Corporation. (See Tillson, Vivian E., assignor.)

Tillson, Vivian E., assignor to Tillson Bearing Corporation, L'Anse, Mich. Making roller bearings. 2,120,533; June 14.

Timberlake, Paul J., Jackson, Mich. Air heater. 2,120,583; June 14.

Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)

Timken-Detroit Axle Company, The. (See Powers, M. A., and Wilson, assignors.)

Tipsord, Melvin T., assignor to James R. Kearney Corporation, St. Louis, Mo. Wire clamping device. 2,120,447; June 14.

Tishman, Paul, Scarsdale, N. Y. Flexible tube warmer. 2,120,301; June 14.

Tobacco By-Products and Chemical Corporation. (See Arnold, Robert B., assignor.)

Töpper, Ernst, Berlin-Neukölln, Germany, assignor of one-half to W. H. Martin, London, England. Ballast weight for diving suits. 2,120,420; June 14.

Torrance, Philip M. (See Taylor, R. S., Torrance, and Anderson.)

Towne, Edmund B., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacturing substituted succinic acids and esters thereof. 2,120,688; June 14.

Trautner, Wagn, Hamilton, Ohio, assignor to E. H. Kueffer, Oakland, Calif. Holding and releasing switch. 2,120,876; June 14.

Trbojevich, Nikola, Detroit, Mich. Differential and axle drive. 2,120,636; June 14.

Tri Dermis Company, The. (See Oliver, Osmer F., assignor.)

Tritle, John F., Erie, Pa., assignor to General Electric Company. Control system. 2,120,956; June 14.

Tritle, John F., and J. W. McNairy, Erie, Pa., assignors to General Electric Company. Control system. 2,120,957; June 14.

Triumph Fuse and Fireworks Company, The. (See Decker, Josef B., assignor.)

Troxell, George E., Berkeley, Calif., assignor to Baldwin-Southwark Corporation. Materials testing apparatus. 2,120,381; June 14.

Tubbs, George E., assignor to F. W. Stock & Sons, Inc., Hillsdale, Mich. Cooking machine. 2,120,302; June 14.

Tucker, Henry R., Pedro Miguel, Canal Zone. Internal combustion engine. 2,120,667; June 14.

Tucker, Jesse L., Newark, Ohio, assignor to Owens-Illinois Glass Company. Wire having a covering of fibrous material. 2,120,270; June 14.

Twiss, F. E., Co. (See Twiss, Frank E., assignor.)

Twiss, Frank E., Taunton, assignor to F. E. Twiss Co., Inc., Boston, Mass. Pump. 2,120,448; June 14.

Twitchell, E. W., Incorporated. (See Chatterton, Edward R., assignor.)

Uber, Victor T., Willoughby, Ohio, assignor to General Electric Company. Basing machine for electric lamps and similar articles. 2,120,877; June 14.

Ullbricht, Günther, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Gain control device. 2,120,303; June 14.

Union Carbide and Carbon Corporation. (See Franks, Russell, assignor.)

Union Carbide and Carbon Corporation. (See Lee, Harry R., assignor.)

Union Carbide and Carbon Corporation. (See Reid, Ernest W., assignor.)

Union Oil Company. (See Dillon, Lyle, assignor.)

Union Switch & Signal Company, The. (See Grondahl, Lars O., assignor.)

Union Switch & Signal Company, The. (See Michelevich, Benjamin, assignor.)

United Aircraft Corporation. (See Sikorsky, Igor I., assignor.)

United Engineering & Foundry Company. (See Buente, Charles F., assignor.)

United Engineering & Foundry Company. (See Smitmans, John A., assignor.)

United Engineering & Foundry Company. (See Stone, Morris D., assignor.)

United Shoe Machinery Corporation. (See Dixon, Paul H., assignor.)

United States Rubber Products, Inc. (See Crimmins, Neil A., assignor.)

Universal Oil Products Company. (See Dryer, Charles G., assignor.)

Universal Oil Products Company. (See Ipatieff, V., and Schaad, assignors.)

Universal Oil Products Company. (See Pyzel, Robert, assignor.)

Universal Oil Products Company. (See Seguy, Jean D., assignor.)

Universal Oil Products Company. (See Watson, Kenneth M., assignor.)

Upjohn Company, The. (See Gustus. Edwin L., assignor.)
Urschel, Bertis H., assignor to The Urschel Engineering Company, Bowling Green, Ohio. Tempering machine. 2,120,594; June 14.
Urschel Engineering Company, The. (See Urschel, Bertis H., assignor.)
Utah Radio Products Company. (See Barrett, Edward L., assignor.)
Valenzuela, Jose G., Ciudad Anahuac, Mexico. Slide rule. 2,120,378; June 14.
Valley Shoe Corporation. (See Green, William F., assignor.)
Van Aisburg, Jerold H., Chicago, Ill. Refrigerator car. 2,120,433; June 14.
Van Brun, Elsie. (See Linden, W., and Van Brun.)
Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Lighting fixture. 2,120,449; June 14.
Van Doorne, Hubertus J., Deurne, Netherlands. Coupler for trailing ordnance and the like. 2,120,637; June 14.
Vavrik, Louis, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Supporting frame for gliders or the like. 2,120,382; June 14.
Vega Manufacturing Corporation. (See Ruben, Samuel, assignor.)
Victor, Alexander F., New York, N. Y. Safety device for projectors. 2,120,476; June 14.
Vogel, Ernst, Stockerau, Austria. Electromotor. 2,120,914; June 14.
Von Lendenfeld, Paul. (See Zervas, P., and von Lendenfeld.)
Wagar, Harold N., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,120,421; June 14.
Walker, James D., assignor to The American Well Works, Aurora, Ill. Activated sludge process and apparatus therefor. 2,120,658; June 14.
Walker, John D., Glasgow, Scotland. Stock and die for use in screwing metals. 2,120,689; June 14.
Wallace, David A., Detroit, Mich. Metal reinforced block floor. 2,120,450; June 14.
Wassige, Charles, Rueil-Malmaison, France. Propelling device for aeroplanes. 2,120,821; June 14.
Watson, Harry C., assignor to American Electric Fusion Corporation, Chicago, Ill. Pulley. 2,120,383; June 14.
Watson, Kenneth M., assignor to Universal Oil Products Company, Chicago, Ill. Preparation of hydrocarbon polymerising catalysts. 2,120,723; June 14.
Wean Engineering Co. (See Wean, Raymond J., assignor.)
Wean, Raymond J., assignor to The Wean Engineering Co., Inc., Warren, Ohio. Method and apparatus for making sheet metal. 2,120,316; June 14.
Wear, Frank, and A. K. Whyte, Toronto, Ontario, Canada, assignors to General Electric Company. Lamp socket. 2,120,879; June 14.
Webster, Dom B., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Wheel balancing fixture. 2,120,925; June 14.
Wedge, Fred D., Lombard, assignor to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 2,120,659; June 14.
Weelands, Johnstone E., Verona, N. J., assignor to Bakelite Corporation, New York, N. Y. Moldable compositions. 2,120,585; June 14.
Werth, Karl. (See Graf, Leo, assignor.)
Wesson, Alexander J. (See Ellis, G. H., and Wesson.)
Western Chain Products Co. (See Stuller, Earl A., assignor.)
Western Electric Company. (See Beattie, J. F., and Roycroft, assignors, and Cunningham.)
Western Electric Company. (See Butterfield, Louis B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wolfert, Edward R., assignor.)
Weston Electrical Instrument Corporation. (See Lederer, Karl M., assignor.)
Wheat, Grant, assignor to Koehler Manufacturing Company, Marlboro, Mass. Storage battery. 2,120,822; June 14.
Wheeler, Harley T., Dallas, Tex. Inching machine. 2,120,304; June 14.
Wheeling Steel Corporation. (See Conner, Guy O., assignor.)
White, Eric L. C., Hillingdon, assignor to Electric & Musical Industries Limited, Hayes, England. Coupling means for thermionic valve circuits. 2,120,823; June 14.
White, Paul E., Lancaster, Ohio. Apparatus for casting stereotype. 2,120,451; June 14.
White, Winthrop. (See Grubb, William B., Sr., assignor.)
Whitman, Vincent I., New York, N. Y. Composite miniature photographic apparatus. 2,120,586; June 14.
Whyte, Alexander K. (See Wear, F., and Whyte.)
Wild, Gunther P., Philadelphia, Pa., assignor to C. V. Hill & Company, Incorporated, Trenton, N. J. Latch mechanism and operating means therefor. 2,120,534; June 14.
Wilkinson, Eltoft W., Berkeley, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of minerals. 2,120,535; June 14.
Williamson, Everett A., U. S. Navy. Fluid fuel burning blacksmith's forge. 2,120,271; June 14.
Williams, Chester, Dearborn, and C. A. Nogar, Dundee, Mich. Automobile towing device. 2,120,422; June 14.
Williams, Herbert L., Akron, Ohio. Photographic film reeler. 2,120,724; June 14.
Williams, John J., and J. Bauman, assignors to Hazel-Atlas Glass Company, Wheeling, W. Va. Vacuumiser. 2,120,272; June 14.
Williamson, Burt C., La Verne, Calif. Pump. 2,120,772; June 14.
Williamson, Wilbur W., Oakland, Calif. Wine-cooling apparatus. 2,120,305; June 14.
Wilmington Fibre Specialty Company. (See Baer, Norman S., assignor.)
Wilms, Gustav O., Milwaukee, and L. H. Matthias, Shorewood, assignors to Allen-Bradley Company, Milwaukee, Wis. Electric control system. 2,120,690; June 14.
Wilshusen, August E., Detroit, Mich. Deflector mechanism. 2,120,824; June 14.
Wilson, John A. (See Powers, M. A., and Wilson.)
Wilson-Jones Company. (See Wedge, Fred D., assignor.)
Wilson, Lee, Cleveland, Ohio. Annealing. 2,120,319; June 14.
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Wingfoot Corporation. (See Merrill, James A., assignor.)
Winthrop Chemical Company. (See Rieche, Alfred, assignor.)
Wirth, Walter V., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of Di-J acid. 2,120,660; June 14.
Wohlfeld, Jacob, assignor to G. Lovequest, Detroit, Mich. Yieldable clutching means. 2,120,384; June 14.
Wolf, Isidore G., Dordrecht, Netherlands. Artificial resins. 2,120,343; June 14.
Wolfenden, Harry C., Attleboro, Mass. Conditioning, lofting, and fluffing yarns and the like. 2,120,844; June 14.
Wolfert, Edward R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Liquid level alarm. 2,120,825; June 14.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Ink fountain. 2,120,845; June 14.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Automatic reel for paper rolls. 2,120,846; June 14.
Wood Manufacturing Corporation. (See Wood, Henry A. W., assignor.)
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Wood, William F., Islington, Mass. Making finger rings and blank therefor. 2,120,320; June 14.
Woodhead, Henry A., Graniteville, S. C. Method and apparatus for preshrinking cloth. 2,120,536; June 14.
Wright, Stephen G., Chicago, Ill. Colored roofing granules and making the same. 2,120,773; June 14.
Wunsch, Julius A., New York, N. Y. Utilization of naphthenic acids. 2,120,537; June 14.
Wyeth, John, & Brother, Incorporated. (See Thompson, Marvin R., assignor.)
Yanney, George W., assignor to The Alliance Machine Company, Alliance, Ohio. Crane drive. 2,120,792; June 14.
York Ice Machinery Corporation. (See Newton, Alwin E., assignor.)
York Ice Machinery Corporation. (See Raver, Francis M., assignor.)
Yoss, Emanuel. (See Crawford, W. M., and Yoss.)
Yotta, Jean R., Los Angeles, Calif. Boring head. 2,120,638; June 14.
Young, Brothers, Inc. (See Young, Everett F., assignor.)
Young, Everett F., assignor to Young Brothers, Inc., Providence, R. I. Display holder. 2,120,826; June 14.
Young, William W., Cartersville, Ga. Cotton cultivator. 2,120,915; June 14.
Youngstown Steel Door Company, The. (See Kwake, Joseph A., assignor.)
Youngstown Steel Door Company, The. (See Madland, Gabriel, assignor.)
Yung, William F., Kinsley, Kans. Sanding and polishing attachment for lathes. 2,120,880; June 14.
Zabel, Jacob, Newark, N. J. Dehairing machine. 2,120,793; June 14.
Zabel, Jacob, Newark, N. J. Attachment for unhairing machinery. 2,120,847; June 14.
Zahn, Erich H., Port Washington, assignor to Austenal Laboratories, Inc., New York, N. Y. Denture mounting. 2,120,827; June 14.
Zahodiakin, Victor F., New York, N. Y. Nondetonating engine. 2,120,344; June 14.
Zaiger, Louis, Lynn, Mass. Windshield wiper blade. 2,120,587; June 14.
Zanin, Joseph L., New York, N. Y. Terrazzo floor strip. 2,120,725; June 14.
Zender, Raymond G., assignor to Lens Electric Manufacturing Co., Chicago, Ill. Wire covering for high frequency circuits. 2,120,306; June 14.
Zervas, Paul, Cologne-Muhlheim, and P. von Lendenfeld, Leverkusen-Weisdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. O-hydroxyazo dyestuffs. 2,120,432; June 14.
Zilliger, Arno, Narberth, Pa., assignor to National Television Corporation, Wilmington, Del. Balanced amplifier circuit. 2,120,794; June 14.


# LIST OF REISSUE INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 14TH DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).


Clarification plant. M. Prilss. Re. 20,761; June 14.
Electron multiplier. P. T. Farnsworth. Re. 20,759; June 14.
Floor waxing device. H. C. Thompson. Re. 20,762; June 14.
Meter, Parking. R. W. Babson. Re. 20,764; June 14.
Sign. F. J. Baumeister. Re. 20,756; June 14.
Transmission. R. M. Blakely. Re. 20,757; June 14.
Transportation means. N. A. Ludington. Re. 20,760; June 14.
Trousers cuff, Fastening. F. R. Curtiss. Re. 20,758; June 14.
Wringer. C. B. Williams. Re. 20,763; June 14.


# LIST OF DESIGN INVENTIONS


Advertising figure. R. W. Leavenworth. 110,096; June 14.
Ashtray. G. A. Mengle. 110,097; June 14.
Ashtray, Combination. M. B. Bally. 110,103; June 14.
Bait, Artificial. A. and R. Juul. 110,091; June 14.
Barrette. D. D. Whyte and S. F. Kayn. 110,127–8; June 14.
Bottle. G. Smith, Jr. 110,115; June 14.
Box and mirror, Combined make-up. C. K. Marcell. 110,113; June 14.
Box, Jewelry. L. W. Shields. 110,125; June 14.
Bracelet or the like, Watch. C. H. Kestenman. 110,092; June 14.
Brush and razor holder, Combined. E. J. Jones. 110,090; June 14.
Cabinet, Teleprinter. V. Weidner. 110,126; June 14.
Casing, Clock. M. Schlenker. 110,124; June 14.
Cellaret. W. R. Hauptman. 110,067; June 14.
Chain, Bracelet. S. Ritter. 110,099; June 14.
Chain or the like, Bracelet. C. H. Kestenman. 110,093; June 14.
Container for jewelry or similar article, Display. M. Weill. 110,075; June 14.
Counter, Service bar back. G. W. Behrel. 110,064–5; June 14.
Deflector for infants' toilet seat. W. S. Kraus. 110,120; June 14.
Doll or similar article. L. Fowler. 110,130; June 14.
Dress. P. Fracchia. 110,087; June 14.
Dress. P. Fracchia. 110,131–3; June 14.
Dress. M. Frankel. 110,068; June 14.
Dress. M. Frankel. 110,118; June 14.
Dress. J. J. Kushner. 110,094; June 14.
Dress. R. La Gluza. 110,095; June 14.
Dress. H. Schultz. 110,135; June 14.
Dress ensemble. B. Feintuck. 110,086; June 14.
Extractor, Fruit juice. L. H. Scurlock. 110,074; June 14.
Fabric or similar article, Textile. W. Wichmann and A. Koppel. 110,101; June 14.
Fabric or similar article, Textile. A. Zavell. 110,102; June 14.
Fabric, Textile. J. Antkies. 110,080–1; June 14.
Fabric, Textile. T. Emmerich. 110,129; June 14.
Fabric, Textile. T. R. Upland. 110,136; June 14.
Finder for cameras. L. R. Martin. 110,070; June 14.
Gift novelty. M. A. Glasebrook. 110,119; June 14.
Goblet or similar article. R. R. Kostellow. 110,112; June 14.
Handbag. S. R. Goldsmith. 110,137; June 14.
Hat. M. S. Downes. 110,084; June 14.
Heel for a shoe. F. Lipp. 110,122; June 14.
Lamp base. E. Bartlett. 110,104–6; June 14.
Marker, Road. C. L. Moorman. 110,098; June 14.
Mat, Hot dish. E. R. Brewer. 110,066; June 14.
Radio set, Automobile. H. J. Tyszer. 110,116; June 14.
Shade, Light diffusing torchiere. R. Orth. 110,114; June 14.
Shoe. J. I. Kaplan. 110,068; June 14.
Shoe. D. Levin. 110,069; June 14.
Shoe or similar article. A. Wertheim. 110,076; June 14.
Shoe or similar article. S. A. Wood. 110,077–9; June 14.
Skillet. A. M. Weis. 110,117; June 14.
Slipper. R. Kaminsky. 110,134; June 14.
Slipper. O. A. Saccal. 110,071–3; June 14.
Sunshade. T. Pace and C. T. Walker. 110,123; June 14.
Sweater ensemble. S. Levine. 110,121; June 14.
Table, Billiard. D. Deskey. 110,083; June 14.
Tire. B. Goodman. 110,089; June 14.
Token dispenser. T. G. Bogress. 110,082; June 14.
Truck, Hand. J. G. Eagleson. 110,110; June 14.
Vase. M. Exelmans. 110,085; June 14.
Velocipede. S. A. Snell. 110,100; June 14.
Wastebasket. T. Hearn. 110,111; June 14.

# LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 14TH DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading and cutting apparatus. H. L. Brump and A. R. Lambert. 2,120,928; June 14.
Abrading machine. V. Kadri. 2,120,252; June 14.
Accounting machine. J. W. Bryce. 2,120,228; June 14.
Acid derivatives of organic acid amides, Sulphuric. E. Rosenhauer. 2,120,512; June 14.
Acid, Manufacture of Di-J. W. V. Wirth. 2,120,660; June 14.
Acids and esters thereof, Manufacturing substituted succinic. E. B. Towne. 2,120,688; June 14.
Acids, Cyclic biguanyl sulphonic. H. Z. Lecher. 2,120,808; June 14.
Acids of carboxylic acid amides and the production thereof, Sulphonic. H. Hausemann. 2,120,557; June 14.
Acids, Utilization of naphthenic. J. A. Wunsch. 2,120,837; June 14.
Aerofoil. C. M. Houston. 2,120,250; June 14.
Aeroplane and the like. P. P. Nazir. 2,120,568; June 14.
Air conditioning apparatus. R. D. Delamere. 2,120,601; June 14.
Air conditioning system. K. P. Brace and R. B. P. Crawford. 2,120,883; June 14.
Air cooling unit. E. T. Brizzolara. 2,120,830; June 14.
Air heater. P. J. Timberlake. 2,120,583; June 14.
Air or other gas, or for cooling a liquid, Apparatus for purifying or washing. R. M. Drummond. 2,120,490; June 14.
Alarm, Liquid level. E. R. Wolfert. 2,120,825; June 14.
Alunite, Cyclic process for treating. W. E. McCullough. 2,120,840; June 14.
Amalgamator. W. S. De Lisle. 2,120,850; June 14.
Amplifier circuit, Balanced. A. Zilliger. 2,120,794; June 14.
Anchor, Bolt. G. O. Hiers. 2,120,279; June 14.
Animal trap. E. S. Rinaldy and A. Schaefer. 2,120,812; June 14.
Annealing. L. Wilson. 2,120,319; June 14.
Apparatus for testing projection lamps. V. J. Roper. 2,120,869; June 14.
Apparatus for the intermittent production of rolled glass plates. F. E. Slocombe. 2,120,912; June 14.
Applicator, Prostatic and vaginal medicine. B. A. Lewis. 2,120,367; June 14.
Arbor attachment for lathes. H. Henwood. 2,120,782; June 14.
Article and producing, Coated. N. E. Tillotson. 2,120,722; June 14.
Article, Rubber coated. E. C. Domm. 2,120,738; June 14.
Article from molds, Method and apparatus for removing deformable. R. D. Hulslander. 2,120,558; June 14.
Asphalts, Manufacture of. V. L. Shipp and A. H. Boenau. 2,120,376; June 14.
Asphalts, Manufacture of. V. L. Shipp, A. H. Boenau, and J. W. Ramsay. 2,120,377; June 14.
Atomizer. C. W. Beck. 2,120,948; June 14.
Atomizer for hydrocarbons. A. Bargeboer. 2,120,388; June 14.
Attachment for floor tools or nozzles of air-method cleaners, Electrical. D. B. Replogle. 2,120,260; June 14.
Attachment for unhairing machinery. J. Zabel. 2,120,847; June 14.
Automobile lock. W. B. Grubb, Sr. 2,120,590; June 14.
Azo-dyestuffs and making same, Derivatives of. C. Graenacher and H. Bruengger. 2,120,743; June 14.
Azodyestuffs, Water-insoluble. G. Bonhôte. 2,120,728; June 14.
Band and support, Body. E. Hoch. 2,120,330; June 14.
Bank, Savings. F. L. Stephens. 2,120,514; June 14.
Bar structure for Venetian blinds, Tilt. H. K. Lorentsen. 2,120,284; June 14.
Barge. W. S. MacDonald. 2,120,286; June 14.
Barium and sulphate by means of tetrahydroxyquinone, Determination of. W. C. Schroeder. 2,120,520; June 14.
Barrel, Electroplating. P. L. Amundsen. 2,120,478; June 14.
Basing machine for electric lamps and similar articles. V. T. Uber. 2,120,877; June 14.
Battery, Storage. G. Wheat. 2,120,822; June 14.
Bearings, Making roller. V. E. Tillson. 2,120,533; June 14.
Bed, Obstetrical or similar. A. Comper and M. T. MacEachern. 2,120,732; June 14.
Belt connecter. A. L. Freedlander and N. J. Ritzert. 2,120,698; June 14.
Berthing device, Shock absorbing marine. E. J. Buckton. 2,120,545; June 14.
Beverage saving and pipe cleaning device. A. F. Kleman. 2,120,865; June 14.
Binder, Loose leaf. R. Rosen. 2,120,648; June 14.
Binder, Loose leaf. F. D. Wedge. 2,120,659; June 14.
Blade holder. G. Makaroff. 2,120,500; June 14.
Bleaching and purifying process. J. L. Parsons and D. T. Jackson. 2,120,678; June 14.
Blind, Venetian. J. Nisenson. 2,120,292; June 14.
Blinds, Wrapping Venetian. F. B. Reynolds. 2,120,593; June 14.
Blocks, Drying wood. H. E. McKenzie. 2,120,368; June 14.
Blotter. F. E. Andrews. 2,120,479; June 14.
Boat, Collapsible. G. N. Raymer. 2,120,627; June 14.
Boat detaching apparatus. H. E. Rottmer. 2,120,923; June 14.
Boat launching device, Life. J. F. Ryan. 2,120,265; June 14.
Boat, Pack. F. H. Jackson. 2,120,332; June 14.
Board: *See*—
Plaster board. Shirt board.
Bodies, Composite metallic. C. A. Laise and J. Kurtz. 2,120,561; June 14.
Bodies, Producing permeable. K. E. Hunt. 2,120,281; June 14.
Bones, Method of and apparatus for repairing fractured. A. A. Thomas. 2,120,446; June 14.
Book, Counter sales. E. Hano. 2,120,438; June 14.
Bookkeeping machine. E. Breitling. 2,120,390; June 14.
Boring head. J. R. Yotta. 2,120,638; June 14.
Boring tool. C. J. Oxford and J. Nelson. 2,120,622; June 14.
Boudoir accessory. A. S. Donaldson. 2,120,834; June 14.
Box body, Foldable. I. M. Rudowitz. 2,120,871; June 14.
Bracelet or other jewel. G. Bezault. 2,120,308; June 14.
Bracelet or other jewel. G. Bezault. 2,120,348; June 14.
Brake: *See*—
Hydraulic brake.
Brake drums or like structures, Forming. C. S. Ash. 2,120,595; June 14.
Brake levers, Construction of. H. S. Jandus. 2,120,362; June 14.
Brake mechanism. G. K. Hause. 2,120,917; June 14.
Brake mechanism, Hydraulic. J. A. Perry. 2,120,294; June 14.
Braking, Method and apparatus. T. H. Schoepf and D. M. Ritchie. 2,120,443; June 14.
Brake rigging. F. G. Craig. 2,120,323; June 14.
Brick, Rubbing. W. L. Burger. 2,120,483; June 14.
Buckle. E. A. Stuller. 2,120,656; June 14.
Building construction. S. R. McKay. 2,120,709; June 14.
Bumper and collision indicator for automobiles, Safety. E. T. Brown. 2,120,459; June 14.
Burner: *See*—
Fuel burner. Lantern burner.
Butyl and other dixanthogens, Secondary. M. W. MacAfee. 2,120,285; June 14.
Cabin with parachute, Detachable. H. L. Adams. 2,120,477; June 14.
Cabinet: *See*—
Refrigerator cabinet.
Cabinet heater. G. E. Pickup. 2,120,941; June 14.
Cable stripping tool. P. G. Edwards, H. G. Jordan, and S. P. Shackleton. 2,120,398; June 14.
Cage, Bird. S. C. Rodeen. 2,120,262; June 14.
Calks to athletic shoe soles, Apparatus for securing. F. C. Phillips. 2,120,711; June 14.
Calorimeter, Throttling. B. H. Stone. 2,120,874; June 14.
Camera lens substitution device, Moving picture. J. L. Spence, Jr., and J. F. Leventhal. 2,120,654; June 14.
Can: *See*—
Garbage and waste can.
Can. J. L. Gray. 2,120,357; June 14.
Can: *See*—
Key cap.
Refrigerator car.
Car: *See*—
Car construction. M. C. Biest and F. Koch. 2,120,542; June 14.
Car door. J. A. Kwake. 2,120,704; June 14.
Car door. G. Madland. 2,120,707; June 14.
Carbon black, Manufacture of. E. Billings and H. H. Offutt. 2,120,540–1; June 14.
Carbonaceous material, Heating up. M. Pier, E. Anthes, and H. Schappert. 2,120,296; June 14.
Carbonaceous materials, Destructive hydrogenation of. M. Pier and E. Donath. 2,120,295; June 14.
Carburetor. T. Stidham. 2,120,342; June 14.





Card feeding mechanism. A. W. Mills. 2,120,369; June 14.
Carrier. C. F. Buente. 2,120,639; June 14.
Case: *See*—
Vanity case.
Cassette filter. B. B. Raney. 2,120,908; June 14.
Catalyst manufacture. K. W. Coons. 2,120,958; June 14.
Catalyst, Manufacture of. V. Ipatieff and R. E. Schaad. 2,120,702; June 14.
Catalysts, Preparation of hydrocarbon polymerizing. K. M. Watson. 2,120,723; June 14.
Catalysts, Reactivation of solid phosphoric acid. R. Pysel. 2,120,712; June 14.
Cell, Air-depolarized primary. M. L. Martus and E. H. Becker. 2,120,618; June 14.
Cellulose derivatives, Manufacture of nitrogeneous. R. Stahn. 2,120,513; June 14.
Cement composition, Forming a fibrous. C. H. Schuh. 2,120,268; June 14.
Chain tightener. W. A. Heiarich. 2,120,497; June 14.
Chair: *See*—
Tiltable chair.
Charging and discharging valve. H. S. Hinchman. 2,120,248; June 14.
Chaser assembly. F. Nell. 2,120,621; June 14.
Chemical picture carriers, Manufacturing. C. and H. H. Renck. 2,120,416; June 14.
Chimney and/or ventilating cowl. E. L. Ford and T. F. W. Brown. 2,120,605; June 14.
Chopper, Cotton. O. Pullen. 2,120,867; June 14.
Cigarette holder. J. Lykos and O. H. Beaumont. 2,120,705; June 14.
Circuit: *See*—
Amplifier circuit. Oscillatory circuit.
Electric circuit. Valve circuit.
Circuit breaker, Electric. H. W. Clothier. 2,120,731; June 14.
Circuit breaker tester. W. F. Skeats. 2,120,873; June 14.
Clamping device. F. Sutherland. 2,120,686; June 14.
Clarifier. J. J. Steeckly. 2,120,515; June 14.
Cleaning apparatus for textile machinery. E. J. Eaddy. 2,120,888; June 14.
Clock, Synchronising. E. A. Fuller. 2,120,353; June 14.
Closet bowl step attachment. G. B. Bents. 2,120,481; June 14.
Closure and producing the same, Receptacle. A. L. Merolle. 2,120,646; June 14.
Closure for containers. W. A. Flower. 2,120,491; June 14.
Closure for containers. G. A. Moore. 2,120,903; June 14.
Cloth, Method and apparatus for preshrinking. H. A. Woodhead. 2,120,556; June 14.
Clothesline prop. I. D. and C. P. Hartman. 2,120,662; June 14.
Clutch: *See*—
Hydraulic clutch.
Clutches and the like, Assembly for. T. L. Fawick. 2,120,400; June 14.
Clutching and speed changing mechanism. J. Cotal. 2,120,733; June 14.
Clutching means, Yieldable. J. Wohlfeld. 2,120,384; June 14.
Color and light densities, Device for measuring. R. Mackay. 2,120,499; June 14.
Combustion chamber, Adjustable. A. J. Meyer. 2,120,290; June 14.
Combustion chamber of internal combustion engines or the compression ignition type. H. R. Ricardo. 2,120,768; June 14.
Communication system. E. Norrman. 2,120,371; June 14.
Compass, Steering repeater. F. S. Hodgman. 2,120,951; June 14.
Compounds of the benzidine series, Preparation of. G. H. Richards. 2,120,811; June 14.
Concrete and producing the same, Expanded. N. V. Hybinette. 2,120,468; June 14.
Condenser: *See*—
Electrolytic condenser.
Condenser arrangement, Elastic fluid. K. Schmer. 2,120,909; June 14.
Confections and the like, Filling soft center. H. Thürlings. 2,120,820; June 14.
Connecter: *See*—
Belt connecter. Straight line connecter.
Contact member, Electrical. J. V. Domaleski. 2,120,396; June 14.
Container: *See*—
Edible container. Paper container.
Container, G. O. Conner. 2,120,487; June 14.
Container, W. F. Leonhart. 2,120,592; June 14.
Container, G. A. Moore. 2,120,258; June 14.
Container, G. A. Moore. 2,120,901; June 14.
Container, G. A. Moore. 2,120,905; June 14.
Container and making the same. G. A. Moore. 2,120,904; June 14.
Container and making the same, Fiber. G. A. Moore. 2,120,900; June 14.
Container closure and ejector. G. O. Matter. 2,120,566; June 14.
Container for liquid paints. R. M. Sichère. 2,120,531; June 14.
Containers, Filling and closing. G. A. Moore. 2,120,906; June 14.
Containers, Making. G. A. Moore. 2,120,899; June 14.
Containers, Making. G. A. Moore. 2,120,902; June 14.
Control for boring machines. L. F. Beash and C. H. Hardies. 2,120,386; June 14.
Control means for record controlled accounting machines. G. F. Daly and A. H. Dickinson. 2,120,233; June 14.
Control system. H. W. Lord. 2,120,564; June 14.
Control system. J. W. McNairy. 2,120,954; June 14.
Control system. J. F. Tritle. 2,120,956; June 14.
Control system. J. F. Tritle and J. W. McNairy. 2,120,957; June 14.
Control system, Electric. G. O. Wilms and L. H. Matthias. 2,120,690; June 14.
Control system, Reversible thermostatic. H. R. Crago. 2,120,488; June 14.
Cooking machine. G. E. Tubbs. 2,120,302; June 14.
Cooling apparatus. N. Stramaglia. 2,120,290; June 14.
Corn pad. H. R. Hardley. 2,120,465; June 14.
Corset. G. Rayner. 2,120,508; June 14.
Cotton and yarns, Apparatus for treating. G. Hill. 2,120,409; June 14.
Couch, Convertible. J. W. Bowersox and S. J. Blaha. 2,120,663; June 14.
Counter display stand. E. H. Howard. 2,120,610; June 14.
Counter, Refrigerated display. R. E. Gray. 2,120,744; June 14.
Counter-sham. O. Sliger. 2,120,653; June 14.
Coupler for trailing ordnance and the like. H. J. Van Doorne. 2,120,637; June 14.
Coupling: *See*—
Hose coupling. Slip coupling.
Coupling device for motor lorry trains. G. Meyer. 2,120,415; June 14.
Coupling for hydraulic brake, Valved. W. F. Oliver. 2,120,677; June 14.
Coupling means for thermionic valve circuits. E. L. C. White. 2,120,823; June 14.
Coupling mechanism. J. Cotal. 2,120,734; June 14.
Cover: *See*—
Golf ball cover.
Crankcase drain. E. Ryder. 2,120,681; June 14.
Crate, Bottle. P. N. Curtis. 2,120,600; June 14.
Creel, Textile. R. Little. 2,120,759; June 14.
Crop end deflecting apparatus. J. A. Smitmans. 2,120,313; June 14.
Cultivator, Cotton. W. W. Young. 2,120,915; June 14.
Cut-off valve, Automatic. W. S. Diehl. 2,120,242; June 14.
Cutting instrument, Electrical. G. H. Beuoy. 2,120,598; June 14.
Cutting stick. N. S. Baer. 2,120,926; June 14.
Damper regulator. J. R. O'Rourke. 2,120,506; June 14.
Deflector mechanism. A. E. Wilshusen. 2,120,824; June 14.
Dehairing machine. J. Zabel. 2,120,793; June 14.
Dehydrator, High frequency induction. L. Dillon. 2,120,932; June 14.
Delivery mechanism of platen printing presses. F. S. Thompson. 2,120,532; June 14.
Denture mounting. E. H. Zahn. 2,120,827; June 14.
Design, Making a decorative. C. Tarson. 2,120,687; June 14.
Detector spark plug, Cylinder. G. Hantjopoulos. 2,120,804; June 14.
Device for cleaning and shampooing the scalp. E. Rychner. 2,120,769; June 14.
Device for soaping blowing water. W. Kundel. 2,120,807; June 14.
Die casting apparatus. K. Kubo. 2,120,333; June 14.
Differential and axle drive. N. Trbojevich. 2,120,636; June 14.
Digger. E. Doerschlen. 2,120,326; June 14.
Direction finder. A. Leib and W. Kühlewind. 2,120,366; June 14.
Direction indicating system. J. P. McCready. 2,120,286; June 14.
Disks in piles and discharging the packets obtained, Packing. G. Rooth. 2,120,789; June 14.
Dispersing agent. H. R. Dittmar. 2,120,933; June 14.
Display device. D. R. Baker and H. P. Nordmark. 2,120,307; June 14.
Display device. A. Koeble. 2,120,411; June 14.
Display device. J. R. Sutton. 2,120,445; June 14.
Display device, Advertising. A. Friedman and B. S. Colnes. 2,120,519; June 14.
Display holder. E. F. Young. 2,120,826; June 14.
Distance annunciator. D. S. Doig. 2,120,550; June 14.
Door: *See*—
Car door.
Door and frame construction, Sliding. C. F. Hoffman. 2,120,783; June 14.
Door lock. M. Papst. 2,120,647; June 14.
Door operating device. E. A. Harris. 2,120,495; June 14.
Door retainer or holder. W. J. Butts. 2,120,692; June 14.
Drawing press. R. W. Glasner. 2,120,402; June 14.
Dredging, Apparatus for. C. T. Smith. 2,120,444; June 14.
Drilling apparatus. J. F. Chappell. 2,120,240; June 14.
Drive, Crane. G. W. Yanney. 2,120,792; June 14.
Drive transmission, Change-speed. H. Messenger. 2,120,293; June 14.

Driving assembly, Automotive. H. W. Alden. 2,120,594; June 14.
Drying form. S. A. Harris. 2,120,748; June 14.
Duplicating machine. S. W., P. S., and I. Funk. 2,120,247; June 14.
Dust aspirator. F. Dürr. 2,120,397; June 14.
Dust deflector. J. Bernfeld. 2,120,347; June 14.
Dyes, Metallized orange to brown azo. M. L. Crossley and L. M. Shafer. 2,120,799; June 14.
Dyes, Preparing pseudo cyanine. B. Bellenson. 2,120,322; June 14.
Dyestuffs, Acid wool. H. Ritter. 2,120,573; June 14.
Dyestuffs and their preparation, Disazo. A. Krebser. 2,120,754; June 14.
Dyestuffs and their production, Azo. H. Krzikalla and P. Garbsch. 2,120,580; June 14.
Dyestuffs, Azo. F. L. Rose. 2,120,814; June 14.
Dyestuffs containing hydroxyl groups and making same, Derivatives of. C. Graenacher, H. Bruengger, and F. Ackermann. 2,120,741; June 14.
Dyestuffs, O-hydroxyazo. P. Zervas and P. von Lendenfeld. 2,120,432; June 14.
Dyestuffs, Sulpho-acetonitrile. F. Felix and W. Huber. 2,120,401; June 14.
Earth working implement. C. Le Bleu. 2,120,839; June 14.
Edible container. A. D. Nieding. 2,120,710; June 14.
Elastic fabric. N. A. Crimmins. 2,120,665; June 14.
Electric circuit. R. C. Buell. 2,120,855; June 14.
Electric motor. G. E. L. Bargdill. 2,120,321; June 14.
Electric sign. R. L. Perry. 2,120,259; June 14.
Electric sign, Movable changeable. J. Matlow. 2,120,809; June 14.
Electric switch. E. E. Forstrom. 2,120,424; June 14.
Electric tumbler switch. R. H. Bentley. 2,120,423; June 14.
Electrical apparatus. P. J. McCullough. 2,120,289; June 14.
Electrical devices, Protecting. H. G. Beauchamp. 2,120,457; June 14.
Electrode for projectors, Carbon. J. W. Droll. 2,120,243; June 14.
Electrolytic condenser. W. Herrmann. 2,120,426; June 14.
Electrolytic device. N. Schnoll. 2,120,815; June 14.
Electromagnetic device. B. Mishelevich. 2,120,339; June 14.
Electromotor. E. Vogel. 2,120,914; June 14.
Engine: *See*—
Internal combustion engine. — Nondetonating engine.
Engine control, Automatic. J. Good. 2,120,555; June 14.
Engine with crimped members, Jordan. A. L. Bolton. 2,120,482; June 14.
Ergot product, Purified. M. R. Thompson. 2,120,635; June 14.
Ester compositions, Butyl. L. P. Kyrides. 2,120,755; June 14.
Ester compositions, Methyl. L. P. Kyrides. 2,120,756; June 14.
Esters of dibasic acids, Chloroether. H. A. Bruson. 2,120,544; June 14.
Explosive, Blasting. M. A. Nice. 2,120,503; June 14.
Extracting and filtering apparatus. L. F. Ehlers. 2,120,860; June 14.
Fabric: *See*—
Elastic fabric. — Vehicle top fabric.
Fabric, Method and apparatus for producing elastic knitted. H. K. Lea. 2,120,758; June 14.
Fabric, Weaving pile. I. F. and E. T. Harvey. 2,120,895; June 14.
Fabrics, Treating pile. A. W. Drobile. 2,120,801; June 14.
Fan. W. A. Geise. 2,120,780; June 14.
Fastener: *See*—
Separable fastener. — Window sash fastener.
Fastener. T. E. Fournier. 2,120,606; June 14.
Fastening device. C. T. Patterson. 2,120,470; June 14.
Fastening device. W. and C. C. Shippee. 2,120,530; June 14.
Feed mechanism for screw and similar machines. C. A. Rich. 2,120,842; June 14.
Feeder: *See*—
Polish feeder.
Fiber, Enhancing the colorability of cellulosic. E. Schirm. 2,120,267; June 14.
Fibers, Device for measuring the length of. J. I. Hardy. 2,120,258; June 14.
Fibers, Production of a high luster on dyed. G. Landauer. 2,120,757; June 14.
Fibrous substances, Apparatus for disintegrating. W. Flanagan. 2,120,697; June 14.
Film developing rack. J. T. Lynch. 2,120,706; June 14.
Film reeler, Photographic. H. L. Williams. 2,120,724; June 14.
Filter: *See*—
Cassette filter. — Rotary filter.
Fish and product thereof, Treating. M. L. Brenner and V. Schwab. 2,120,237; June 14.
Fishing hook. K. D. Johnson. 2,120,863; June 14.
Fishing reel. A. Lauterbach. 2,120,334; June 14.
Fixture support. C. C. Matthiesen. 2,120,619; June 14.
Flare. W. J. McCloskey. 2,120,255; June 14.
Flashlight. A. P. Brush. 2,120,238; June 14.
Float gauge. C. Spaeth. 2,120,719; June 14.
Floor, Metal reinforced block. D. A. Wallace. 2,120,450; June 14.
Floor strip, Terrazzo. J. L. Zanin. 2,120,725; June 14.
Floor supporting structure. L. Focht. 2,120,802; June 14.
Fluid dispensing apparatus. D. Samiran. 2,120,266; June 14.
Fluids, Method of and apparatus for determining the heating value of combustible gaseous. E. X. Schmidt. 2,120,791; June 14.
Fly tying. M. W. Reichenstein and R. F. Jolley. 2,120,571; June 14.
Food browner. C. L. Eldred. 2,120,696; June 14.
Food product. D. Dalsey. 2,120,777; June 14.
Food products, Device for producing aerated expanded. M. C. Reinecke. 2,120,297; June 14.
Foodstuffs, Dispensing congealed. R. A. Craemer. 2,120,640; June 14.
Food products from papaya fruit, Preparing. T. A. De Neve. 2,120,489; June 14.
Foot support and construction involving the same. A. E. Murray. 2,120,370; June 14.
Forge, Fluid fuel burning blacksmith's. E. A. Williames. 2,120,271; June 14.
Fork and fender, Combination. B. J. Anderson. 2,120,453; June 14.
Frame for gliders or the like, Supporting. L. Vavrik. 2,120,382; June 14.
Frame member, Rear. B. J. Anderson. 2,120,454; June 14.
Fruit juices, Blending. F. W. Robison. 2,120,261; June 14.
Fuel burner. E. V. Michaud. 2,120,257; June 14.
Fuel burner. C. P. O'Hagan. 2,120,372; June 14.
Fuel controlling device. D. Paul. 2,120,866; June 14.
Fuel cooling device. G. R. Ericson. 2,120,779; June 14.
Fuel, Device for burning atomized liquid. A. Bargeboer. 2,120,387; June 14.
Fuel injection system for internal combustion engines. T. J. B. Drayton. 2,120,730; June 14.
Fuel to oil burners and the like, Device for controlling the supply of. R. W. Johnson. 2,120,364; June 14.
Fuel, Treatment of motor. C. G. Dryer. 2,120,244; June 14.
Fuels, Apparatus for burning liquid. M. A. Powers and J. A. Wilson. 2,120,626; June 14.
Furnace for treating pulverulent materials. E. C. Saint-Jacques. 2,120,785; June 14.
Fusee. L. A. Sherman. 2,120,580; June 14.
Gain control device. G. Ullbricht. 2,120,303; June 14.
Game apparatus. E. Kramer, P. Shields, and M. Gitelson. 2,120,440; June 14.
Game, Football. W. F. Jamison. 2,120,439; June 14.
Garbage and waste can. M. Kamenstein. 2,120,520; June 14.
Garment, Foundation. M. Simon. 2,120,817; June 14.
Garment renewing machine. J. S. Rear. 2,120,340; June 14.
Gas and liquid contact, Process and apparatus for. C. E. Mensing. 2,120,256; June 14.
Gas discharge tuning indicator. T. J. Scofield. 2,120,955; June 14.
Gas from enclosed areas, Apparatus and method for removing. E. Lamb. 2,120,563; June 14.
Gauge: *See*—
Float gauge.
Glass, Laminated. E. W. Reid. 2,120,628; June 14.
Glass rod and tubing, Apparatus for severing. C. A. Brown and C. E. Hahn. 2,120,853; June 14.
Glassware, Method and apparatus for annealing. W. O. Amsler. 2,120,947; June 14.
Glove and making the same, Rubber. M. E. Hansen. 2,120,406; June 14.
Glycerol, Purification of. G. W. Brant. 2,120,227; June 14.
Goblet. M. Heller. 2,120,842; June 14.
Goggles, Anti-glare. A. P. Bell. 2,120,727; June 14.
Golf ball cover. J. A. Merrill. 2,120,567; June 14.
Goods, fabrics and other textiles, Manufacture of spun. O. W. Becker and H. Freudenberg. 2,120,851; June 14.
Governor, Camshaft. W. R. Isakson. 2,120,612; June 14.
Grader and cleaner, Material. A. L. Johnson. 2,120,613; June 14.
Gravity press. A. Pohle. 2,120,679; June 14.
Grill, Barbecue. H. G. Simmons. 2,120,683; June 14.
Hairpin remover. W. Linden and E. Van Brun. 2,120,919; June 14.
Hamper, Clothes. H. Gleitsman. 2,120,661; June 14.
Handle: *See*—
Jar cap handle.
Hanger. W. W. Barcy. 2,120,828; June 14.
Hanger. F. H. Findon, Jr. 2,120,891; June 14.
Hanger for drying clothes, Adjustable telescoping. H. J. Fallot. 2,120,436; June 14.
Headrest, Adjustable. E. L. Duncan. 2,120,310; June 14.
Heat exchange device. F. G. Cornell, Jr. 2,120,797; June 14.
Heater: *See*—
Air heater. — Orchard heater.
Cabinet heater.
Heater. D. D. Bootlby. 2,120,795; June 14.
Heating system. A. C. Grant. 2,120,803; June 14.





Heel attaching machine. O. L. Lawson. 2,120,337; June 14.
Heel nailing device. G. B. Britton. 2,120,776; June 14.
Hinge, Automatic latch concealed. J. Soss and F. H. Schwartz. 2,120,685; June 14.
Hinge, Hood. J. Soss. 2,120,684; June 14.
Holder: *See*—
Blade holder. — Display holder.
Cigarette holder. — Sample holder.
Holder for newspaper and magazines. W. M. Crawford and E. Yoes. 2,120,857; June 14.
Holding and releasing switch. W. Trautner. 2,120,876; June 14.
Hook: *See*—
Fishing hook.
Hopper. F. P. Sloan. 2,120,269; June 14.
Hormones, Preparing. E. L. Gustus. 2,120,405; June 14.
Hose coupling, Detachable. I. Cowles. 2,120,275; June 14.
Hose supporter. J. J. McKelvey. 2,120,414; June 14.
Hosiery, Knitting. F. Lambach. 2,120,522; June 14.
Hydraulic brake. W. F. Oliver. 2,120,676; June 14.
Hydraulic clutch. W. W. Criley. 2,120,798; June 14.
Hydrocarbons, Catalytic liquid phase oxidation of aromatic. J. R. Mares. 2,120,672; June 14.
Hydrocarbons, Conversion of. J. D. Seguy. 2,120,715; June 14.
Hydrocarbons, Preparation of brominated. H. S. Nutting and P. S. Petrie. 2,120,675; June 14.
Hydrogen peroxide preparation, Stabilized solid. A. Rieche. 2,120,430; June 14.
Impeller, Rubber covered. G. A. H. Grierson. 2,120,277; June 14.
Impregnating process for electrolytic condensers. N. Schnoll. 2,120,816; June 14.
Incandescent electric lamp. W. G. Grimes. 2,120,836; June 14.
Incandescent lamp. V. J. Roper. 2,120,870; June 14.
Incandescent Nernst lamp. M. Parisi. 2,120,527; June 14.
Inching machine. H. T. Wheeler. 2,120,304; June 14.
Indicator: *See*—
Gas discharge tuning indicator. — Level indicator.
Indicator for the double and triple modulation directive radio beacons, Course. F. W. Dunmore. 2,120,245; June 14.
Inflation for milking machine cups. H. A. Greene. 2,120,556; June 14.
Ink fountain. H. A. W. Wood. 2,120,845; June 14.
Ink, Printing. R. A. Crawford. 2,120,393; June 14.
Ink, Printing. J. G. Curado. 2,120,588; June 14.
Inking mechanism for marking machines. F. Kohnle. 2,120,936; June 14.
Inner tube. R. S. Taylor, P. M. Torrance, and R. H. Anderson. 2,120,379; June 14.
Insufflator. F. G. McGaw. 2,120,762; June 14.
Insulating composition, Thermal. W. L. Stafford. 2,120,431; June 14.
Insulator, Spark plug. T. G. McDougal, A. H. Fessler, and K. Schwartswalder. 2,120,338; June 14.
Interchangeable sign. M. A. Sorensen. 2,120,418; June 14.
Interlocking device for dispensing pumps. C. S. Hazard. 2,120,645; June 14.
Internal-combustion engine. J. Barraja-Frauenfelder. 2,120,666; June 14.
Internal combustion engine. H. R. Tucker. 2,120,657; June 14.
Iron and steel, Refining. H. B. Schuls. 2,120,298; June 14.
Iron, Production of. E. Faust and E. Jung. 2,120,740; June 14.
Jack: *See*—
Lifting jack.
Jar cap handle. B. V. Dreucci. 2,120,603; June 14.
Ketones, Continuous process for the chlorination of. A. E. Calkins. 2,120,392; June 14.
Key cap. K. Flader. 2,120,553; June 14.
Kit, First aid. H. G. Armstrong. 2,120,234; June 14.
Knitting machine. B. F. Colle. 2,120,796; June 14.
Knitting machine. K. R. Lieberknecht. 2,120,336; June 14.
Knitting machine, Flat rib. W. Heinitz. 2,120,750; June 14.
Knitting machinery. W. J. Longtin. 2,120,939; June 14.
Knockover device. W. Heinitz. 2,120,749; June 14.
Label, Can top. T. M. Godfrey. 2,120,403; June 14.
Lacquer. W. D. Bowlby. 2,120,236; June 14.
Lamp: *See*—
Incandescent lamp. — Incandescent Nernst lamp.
Incandescent electric lamp.
Lantern burner, Storm. B. Nier. 2,120,907; June 14.
Lapping compounds. A. Lindenberg. 2,120,442; June 14.
Latch mechanism and operating means therefor. G. P. Wild. 2,120,534; June 14.
Latex articles, Making sheet. A. N. Spänel. 2,120,720; June 14.
Latex, Vulcanising. F. F. Schwartz. 2,120,579; June 14.
Leather surfaces, Apparatus for roughing. H. Gordon. 2,120,895; June 14.
Leg straightening attachment. A. Rottke, g. Zenner, and E. Rottke. 2,120,713; June 14.
Lehr, Annealing. W. O. Amsler. 2,120,452; June 14.
Level indicator, Electric. G. A. Thompson. 2,120,771; June 14.
Lifting jack. C. E. Peckenpaugh. 2,120,625; June 14.
Light frequency converter. R. E. Bitner. 2,120,916; June 14.
Light or torch, No. 1 emergency. C. Linhardt, Jr. 2,120,523; June 14.
Lighter for gas stove. I. A. McSherry. 2,120,841; June 14.
Lighting fixture. A. Vanderveld. 2,120,449; June 14.
Lighting mechanism, Pyrophoric. L. V. Aronson. 2,120,226; June 14.
Loading machine. F. Cartlidge. 2,120,274; June 14.
Lock: *See*—
Automobile lock. — Door lock.
Locking device for semitrailers. F. M. Reid. 2,120,509; June 14.
Lubricating fluid. W. G. Klitzke. 2,120,616; June 14.
Luminous sign. G. Tauschek. 2,120,378; June 14.
Machine for cutting paperboard. O. M. Masters and H. G. Stager. 2,120,920; June 14.
Machine for fixing locks, fastenings, and fittings to attaché and similar cases. C. W. Cheney. 2,120,693; June 14.
Machine for knitting ringless hosiery, Circular. G. M. Jones. 2,120,752; June 14.
Machine for the introduction of moisture to wheat or the like. G. V. Feese. 2,120,437; June 14.
Machine for washing clothes, Hand. P. Quirico. 2,120,921; June 14.
Machine tool, Reciprocating. E. W. Taylor. 2,120,300; June 14.
Manifolding machine. W. C. Pfeiffer. 2,120,766; June 14.
Map and card holder, Revolving road. B. Baker. 2,120,726; June 14.
Marine signal. J. B. Decker. 2,120,736; June 14.
Massage appliance, Vacuo-thermal. G. A. Seward. 2,120,872; June 14.
Material and making same, Refractory. C. A. Laise. 2,120,562; June 14.
Material, Apparatus for drawing plastic. A. G. Rose. 2,120,790; June 14.
Materials, Apparatus for mixing. F. P. Broussard. 2,120,543; June 14.
Materials, Coloration of. G. H. Ellis and A. J. Wesson. 2,120,552; June 14.
Materials testing apparatus. G. E. Troxell. 2,120,381; June 14.
Measuring device. L. B. Butterfield. 2,120,391; June 14.
Measuring device. V. S. Kucki. 2,120,412; June 14.
Metal articles, Cleaning. F. M. Hauger. 2,120,494; June 14.
Metal coated objects, Hot-dipping. E. C. Domm. 2,120,737; June 14.
Metal, Making protected. F. M. Hauger. 2,120,496; June 14.
Metal, Method and apparatus for making sheet. R. J. Wean. 2,120,318; June 14.
Metal pickling. C. H. Grant. 2,120,276; June 14.
Metal, Protecting and forming prefinished. L. G. Copeman. 2,120,461; June 14.
Metal sheet, Building up pitted holes in a. T. J. McKerihan. 2,120,525; June 14.
Meter: *See*—
Viscosity meter.
Meter connection appliance, Electric. J. Sachs. 2,120,574–5; June 14.
Meter unit for watthour meters, Demand. E. L. Keller. 2,120,311; June 14.
Mill: *See*—
Rolling mill.
Mineral sulphides in gaseous suspension-heat control, Apparatus for the burning of. B. A. Stimmel, K. D. McBean, and G. Cruickshank. 2,120,475; June 14.
Mineral sulphides in gaseous suspensions, Apparatus for the burning of. B. A. Stimmel, K. D. McBean, and G. Cruickshank. 2,120,474; June 14.
Minerals, Concentration of. E. W. Wilkinson. 2,120,535; June 14.
Modulator. S. Ballantine. 2,120,882; June 14.
Mold: *See*—
Piston mold.
Mold and making same. W. H. Owen. 2,120,526; June 4.
Mold and making same, Vulcanising. A. W. Gay. 2,120,700; June 14.
Mold for parts of knitting machinery. J. Morton. 2,120,502; June 14.
Mold for presses. H. B. Klippel and C. H. Sorrick, Jr. 2,120,282; June 14.
Molds, Making. H. Assbroicher and K. Huff. 2,120,881; June 14.
Moldable compositions. J. E. Weelands. 2,120,585; June 14.
Motion analyzing and recording apparatus. C. S. Janes. 2,120,703; June 14.
Motor: *See*—
Electric motor.
Motor. C. G. Kronmiller. 2,120,427; June 14.
Motor control, Systems of electric. B. Adkins. 2,120,848; June 14.
Motor device, Vibratory. E. L. Barrett. 2,120,273; June 14.
Mowing machine attachment for tractors. W. and H. Jensen. 2,120,671; June 14.

Multiplying machine with auto-control. G. F. Daly. 2,120,232; June 14.
Name plate. F. J. Brown. 2,120,854; June 14.
Naphthalene to phthalic anhydride, Oxidizing. C. E. Andrews. 2,120,538; June 14.
Nicotine composition. R. B. Arnold. 2,120,225; June 14.
Nondetonating engine. V. F. Zabodiakin. 2,120,344; June 14.
Nozzle. H. Huss. 2,120,611; June 14.
Nut blanks, Machine for making capped. H. Rosenberg. 2,120,649; June 14.
Nuts from thimbles, Machine for making capped. H. Rosenberg. 2,120,650; June 14.
Oils, Conversion of hydrocarbon. L. G. Story. 2,120,655; June 14.
Orchard heater. L. O. Morin. 2,120,291; June 14.
Ore flotation. J. B. Clemmer and R. G. O'Meara. 2,120,485; June 14.
Ornamental device. F. Barnes. 2,120,456; June 14.
Oscillatory circuit, Short wave tuned. J. F. Dreyer, Jr. 2,120,518; June 14.
Oven, Bake. R. P. Bolling. 2,120,829; June 14.
Oxygen-liberating composition, Preparing an. K. A. Gerson. 2,120,643; June 14.
Packet, Paper. V. A. Strom. 2,120,317; June 14.
Packing, Hydraulic brake wheel cylinder. O. Rasmussen. 2,120,922; June 14.
Pad: *See*—
Corn pad.
Panel, Securing trim. B. C. Placa. 2,120,942; June 14.
Paper container. G. A. Moore. 2,120,898; June 14.
Paper to printing presses, Supplying. J. A. Dunlap. 2,120,778; June 14.
Peach turner. J. Albertoli. 2,120,385; June 14.
Pen, Fountain. J. L. Schnell. 2,120,662; June 14.
Perambulator. P. Frey. 2,120,425; June 14.
Perforator and counter, Keyboard. K. A. Sylvester. 2,120,517; June 14.
Photographic apparatus, Composite miniature. V. I. Whitman. 2,120,586; June 14.
Pickling machine. R. W. Shoemaker. 2,120,843; June 14.
Pickling tank. C. Shriver. 2,120,716; June 14.
Pinking machine. F. C. Henneke and A. Berk. 2,120,329; June 14.
Pintle control mechanism for revolving doors. T. M. Hagenbook. 2,120,746; June 14.
Piston mold. R. E. Day. 2,120,833; June 14.
Plasterboard. E. E. Harper. 2,120,644; June 14.
Plastic composition. C. M. Blair and T. F. Carruthers. 2,120,927; June 14.
Plastic compositions and shaping the same. F. Groff. 2,120,935; June 14.
Plastic compositions, Making. F. Groff. 2,120,934; June 14.
Plastic compositions, Production of. H. L. Cox and J. D. Matlack. 2,120,931; June 14.
Pledget for the treatment of accessible hemorrhage with snake venom having blood coagulating properties in vitro, Method of and. S. Rosenfeld and S. Edward. 2,120,680; June 14.
Plug: *See*—
Detector spark plug. Sparking plug.
Spark plug.
Plug insert for friction element and making the same. S. Collier. 2,120,548; June 14.
Points for the ends of rods and the like, Making. A. W. Keuffel. 2,120,806; June 14.
Polish feeder, Automatic. H. S. Reed. 2,120,868; June 14.
Popper, Corn. H. A. Smith. 2,120,718; June 14.
Pottery making machine. G. W. Lane. 2,120,253; June 14.
Powder and producing, Smokeless. L. A. Dickerman. 2,120,324; June 14.
Power transmission apparatus, Automatically variable. D. W. Berlin. 2,120,597; June 14.
Power transmission for automotive vehicles, Automatic. H. Koeppen and H. Grünschneder. 2,120,896; June 14.
Press: *See*—
Drawing press. Gravity press.
Press. R. W. Glasner. 2,120,356; June 14.
Press apparatus for solid carbon dioxide and the like. A. Schutz. 2,120,943; June 14.
Pressure indicating device. J. G. Bingham. 2,120,691; June 14.
Printing or other machine. W. C. Scott. 2,120,714; June 14.
Printing plates, Apparatus for drying. J. Peters and H. M. Crosby. 2,120,471; June 14.
Projectile. R. R. Studler. 2,120,913; June 14.
Projectors, Safety device for. A. F. Victor. 2,120,476; June 14.
Propelling device for aeroplanes. C. Waselge. 2,120,821; June 14.
Proportioning apparatus. D. W. Haering. 2,120,608; June 14.
Pulley. H. C. Watson. 2,120,383; June 14.
Pump. F. E. Twiss. 2,120,448; June 14.
Pump. E. C. Williamson. 2,120,772; June 14.
Punch, Hand. R. H. Sharp. 2,120,682; June 14.
Pyrometer, Electrical. S. Ruben. 2,120,374; June 14.
Pyrotechnic device. M. W. Fischer. 2,120,246; June 14.
Rack: *See*—
Film developing rack. Supporting rack.
Radio guidance of aircraft. H. Diamond and F. W. Dunmore. 2,120,241; June 14.
Radio tuning indicator device. R. Riotte. 2,120,813; June 14.
Rail joint and making the same. H. R. Lee. 2,120,428; June 14.
Razor and blade therefor, Safety. F. S. Minassian. 2,120,940; June 14.
Razor, Safety. H. Elliott. 2,120,399; June 14.
Receptacle, Method of and apparatus for applying a flexible sheet to a. T. H. Nifong. 2,120,504; June 14.
Receptacles, Apparatus for applying stripe to. T. H. Nifong. 2,120,505; June 14.
Reel: *See*—
Fishing reel.
Reel for paper rolls, Automatic. H. A. W. Wood. 2,120,846; June 14.
Reel mounting for fishing rods. D. Howarth. 2,120,467; June 14.
Reeling mechanism. R. F. Sedgley. 2,120,944; June 14.
Reflector device, Self-focusing. R. W. Luce. 2,120,524; June 14.
Refrigerating apparatus. E. B. Newill. 2,120,674; June 14.
Refrigeration. A. B. Newton. 2,120,764; June 14.
Refrigeration, Absorption. B. H. Jennings. 2,120,559; June 14.
Refrigeration apparatus. F. M. Raver. 2,120,767; June 14.
Refrigerator cabinet. W. F. Elsaesser. 2,120,327; June 14.
Refrigerator car. A. G. Bancroft. 2,120,345; June 14.
Refrigerator car. J. H. Van Alsburg. 2,120,433; June 14.
Regulator: *See*—
Damper regulator.
Regulator system. R. D. Brown, Jr. 2,120,884; June 14.
Relay. H. N. Wagar. 2,120,421; June 14.
Resin, Dry powdered phenol. T. W. Dike. 2,120,549; June 14.
Resins, Artificial. I. G. Wolf. 2,120,343; June 14.
Resistance device, Variable. N. C. Schellenger. 2,120,651; June 14.
Resistance element. G. M. Cooper. 2,120,930; June 14.
Resistance element. K. M. Lederer. 2,120,335; June 14.
Respirator. H. S. Cover. 2,120,230–1; June 14.
Return bend. F. E. Key. 2,120,498; June 14.
Rings and blank therefor, Making finger. W. E. Wood. 2,120,320; June 14.
Roll. J. S. Tatnall. 2,120,875; June 14.
Roll for developing machine for films and the like, Adjustable drive. A. L. V. C. Debrie. 2,120,735; June 14.
Roller attachment for road vehicles, Trench. C. F. Greiner and A. W. Aitken. 2,120,745; June 14.
Rolling mill. P. Barth. 2,120,539; June 14.
Roof, Car. C. D. Bonsall. 2,120,349–50; June 14.
Roof, Car. P. E. Finger. 2,120,354; June 14.
Roofing granules and making the same, Colored. S. G. Wright. 2,120,773; June 14.
Roofing with shingled effect, Strip. K. S. Guiterman. 2,120,278; June 14.
Rotary filter. A. J. Barnebl. 2,120,455; June 14.
Rotary tool. C. J. Oxford and J. Nelson. 2,120,623; June 14.
Rubber, Process and product for obtaining rapid coagulation of. M. M. Riatel. 2,120,572; June 14.
Rubber thread, Method of and apparatus for making. A. N. Spanel. 2,120,721; June 14.
Rubber, Vulcanization of. A. M. Clifford. 2,120,547; June 14.
Rule, Slide. J. G. Valensuela. 2,120,878; June 14.
Sadiron, Cordless electric. H. E. Lutton. 2,120,761; June 14.
Sample holder. J. H. Graff. 2,120,404; June 14.
Sample holder. A. Steinthal. 2,120,818–9; June 14.
Sanding and polishing attachment for lathes. W. F. Yung. 2,120,880; June 14.
Sanding wheel head. A. L. Pearson. 2,120,624; June 14.
Sanitary napkin. R. P. Hayden. 2,120,940; June 14.
Saw. L. N. Miller. 2,120,897; June 14.
Screw anchor, Machine. M. L. Schulte. 2,120,577; June 14.
Seal for packages, Air and moisture proof rip. H. Schünemann. 2,120,629; June 14.
Seam and making same, Waterproof. J. P. Bodle. 2,120,458; June 14.
Seaming device. H. Erxleben. 2,120,607; June 14.
Seat enclosure, Rumble. J. F. Grauel. 2,120,463; June 14.
Seat for toilet and other sanitary receptacles. W. C. Groeniger. 2,120,493; June 4.
Seeder, Uniform depth. C. E. Huxley. 2,120,331; June 14.
Selective switch. C. N. Hickman. 2,120,408; June 14.
Selective switch. W. H. Matthies. 2,120,413; June 14.
Separable fastener. S. Stillschweig. 2,120,924; June 14.
Sewage, Treating. R. A. Stevenson. 2,120,634; June 14.





Sewage, Treatment of. J. G. Jordan. 2,120,786; June 14.
Shaver and hair remover. G. Burgeson. 2,120,239; June 14.
Sheet feeding apparatus. A. Broadmeyer. 2,120,484; June 14.
Sheet material, Shaping. E. T. Ferngren. 2,120,328; June 14.
Sheller, Corn. A. B. Dieterich. 2,120,641; June 14.
Shelter, Screened. W. E. Hastings. 2,120,861; June 14.
Shield, Window rain. F. E. Chernosky. 2,120,730; June 14.
Shirt board. G. F. Hiss. 2,120,466; June 14.
Shoe parts, Inking edges of. P. H. Dixon. 2,120,325; June 14.
Shower bath. M. J. Belmont. 2,120,774; June 14.
Side-lasting machine. W. F. Green. 2,120,781; June 14.
Sign: *See*—
Electric sign. Luminous sign.
Interchangable sign.
Sign construction, Tube. S. Sonkin. 2,120,581–2; June 14.
Signal: *See*—
Marine signal.
Signal device. A. R. Thompson. 2,120,380; June 14.
Silencing device for endless track vehicles. A. Kégresse. 2,120,753; June 14.
Silver halide colloid layers without distortion on future printing forms, Applying. F. Leiber. 2,120,441; June 14.
Skin protectant composition. O. F. Oliver. 2,120,569; June 14.
Skis, Traction device for. N. J. Jerns, Jr. 2,120,363; June 14.
Slab turning apparatus. J. F. Spellacy and T. L. Burrell. 2,120,314–5; June 14.
Slicing machine. G. W. Shaver and C. E. Sibert. 2,120,375; June 14.
Slide vehicle. H. W. Hanna. 2,120,747; June 14.
Slip coupling, Electrodynamic. N. Ericson. 2,120,352; June 14.
Sludge process and apparatus therefor, Activated. J. D. Walker. 2,120,658; June 14.
Socket and making same, Electrical. J. B. Seever. 2,120,630; June 14.
Socket, Lamp. F. Wear and A. K. Whyte. 2,120,879; June 14.
Sodium carbonate monohydrate, Production of. R. B. MacMullin. 2,120,287; June 14.
Solvent fractionation. G. L. Parkhurst. 2,120,810; June 14.
Sorting machine, Perforated record. L. H. Fronefield. 2,120,355; June 14.
Sound and picture aperture unit and film feeding mechanism. A. J. Holman. 2,120,249; June 14.
Sound-on-film optical system. K. Ross. 2,120,263; June 14.
Spark plug. P. Figard. 2,120,890; June 14.
Sparking plug. L. Graf. 2,120,492; June 14.
Speed transmission mechanism, Variable. A. B. Bear. 2,120,953; June 14.
Speedometer drive for bicycles. E. H. Schulse. 2,120,578; June 14.
Spigot, Refrigerated. T. G. McClanahan. 2,120,460; June 14.
Spring assembly. J. E. Purweet. 2,120,528; June 14.
Sprinkler head. J. N. Mowery. 2,120,620; June 14.
Stand: *See*—
Counter display stand.
Stave. R. A. Lawrence. 2,120,838; June 14.
Steel, Chromium. R. Franks. 2,120,554; June 14.
Steel, Producing free cutting. J. Haag. 2,120,894; June 14.
Steering for ships, Automatic. F. S. Hodgman. 2,120,950; June 14.
Stereopticon slide. P. M. Meadows. 2,120,673; June 14.
Stereotype, Apparatus for casting. P. E. White. 2,120,451; June 14.
Stereotype, Apparatus for casting. P. E. White. 2,120,451; June 14.
Stock and die for use in screwing metals. J. D. Walker. 2,120,689; June 14.
Stoker control. C. G. Kronmiller. 2,120,937; June 14.
Stone, Processing of ornamental. J. O. Colonna. 2,120,486; June 14.
Stool, Milking. P. L. Newbold. 2,120,312; June 14.
Stop joint for fluid filled cables. L. Emanueli. 2,120,889; June 14.
Straight line connecter. W. D. Kyle. 2,120,469; June 14.
Strainer lid for milk pails. E. G. Fruehour. 2,120,893; June 14.
Strap for antiskid devices and the like, Stop on. A. F. Roth. 2,120,264; June 14.
Strip guiding attachment for sewing machines. D. Shpater. 2,120,911; June 14.
Strip, Manufacture of beveled edge. J. W. Sheperdson. 2,120,473; June 14.
Support: *See*—
Fixture support. Tube support.
Support and holder for flower pots, Combined drainage. H. W. Brown. 2,120,599; June 14.
Supporting rack. R. S. Risdon. 2,120,511; June 14.
Supporting surface of airplanes and the like aircraft. H. Lumiere. 2,120,760; June 14.
Surfaces to pipe and the like, Applying noncorrosive. F. L. Carson. 2,120,309; June 14.
Switch: *See*—
Electric switch. Selective switch.
Electric tumbler switch.
Holding and releasing switch.
Tank: *See*—
Pickling tank.
Tank with outlet siphon, Flush. W. J. Collison. 2,120,856; June 14.
Tanks, and the like, Apparatus for washing. W. T. Howald. 2,120,784; June 14.
Teasing machines, Controlling the worker of. A. C. Scholaert. 2,120,576; June 14.
Telegraph receiver, Printing. M. Amann, A. Lahl, and H. Hatzinger. 2,120,850; June 14.
Telegraph system, Convertible duplex simplex printing. J. N. Loop. 2,120,254; June 14.
Telephone system. R. L. Stokely. 2,120,419; June 14.
Telescope sun visor. M. J. Francis. 2,120,902; June 14.
Telescreen. A. F. Avey. 2,120,596; June 14.
Teletypewriter system. J. F. Beattie, H. J. Cunningham, and W. R. Roycroft. 2,120,235; June 14.
Temperature, Apparatus for ascertaining and appraising effective. J. Parsons. 2,120,952; June 14.
Temperature regulation. C. A. Otto. 2,120,507; June 14.
Tempering machine. B. H. Urschel. 2,120,584; June 14.
Tennis racket and the like. W. B. F. Hall. 2,120,280; June 14.
Terminal for neon tubes, Insulating. R. C. Baker. 2,120,480; June 14.
Terra cotta grinding machine. F. Y. Pearne and G. P. Fackt. 2,120,570; June 14.
Tetrachloroethylene, Purifying. A. W. Hanson. 2,120,668; June 14.
Textile products, Manufacture of. H. Dreyfus. 2,120,551; June 14.
Therapeutic agent for use in the treatment of infection. B. Gruskin. 2,120,667; June 14.
Thermostat. C. G. Kronmiller. 2,120,938; June 14.
Thermostatic unit. W. B. Clifford. 2,120,929; June 14.
Tie for railways, Cross. W. E. Davis. 2,120,887; June 14.
Tile or slab made from ceramic or like materials. F. W. Grundy. 2,120,742; June 14.
Tiltable chair. O. N. Smith. 2,120,341; June 14.
Time delay device. G. Lowkrantz. 2,120,787; June 14.
Timing apparatus. F. Hardy. 2,120,407; June 14.
Tip for soldering irons and the like. I. C. Matthews. 2,120,708; June 14.
Tips for cigarettes, Manufacture of filter. R. F. May. 2,120,501; June 14.
Titanium and other compounds, Making. K. H. Donaldson. 2,120,602; June 14.
Tool: *See*—
Boring tool. Machine tool.
Cable stripping tool. Rotary tool.
Tool retainer. E. B. Lear and A. G. Slatcher. 2,120,283; June 14.
Tools, Method and apparatus for orienting. R. S. Hyer. 2,120,670; June 14.
Tooth brush. C. W. Fain. 2,120,604; June 14.
Top for jars and similar containers, Pitcher. T. Gamble. 2,120,699; June 14.
Towing device, Automobile. C. Williams and C. A. Nogar. 2,120,422; June 14.
Toy railroad truck. H. L. Johnson. 2,120,251; June 14.
Track bolt washer. L. C. Ferguson. 2,120,462; June 14.
Track circuit apparatus, Railway. L. O. Grondahl. 2,120,837; June 14.
Transmission, Mechanical. R. C. Burt. 2,120,546; June 14.
Transmission mechanism, Planetary. F. W. Cotterman. 2,120,631–2; June 14.
Transmitter. W. T. Ditchman. 2,120,800; June 14.
Transporting and guiding means. M. Desbordes and P. Bertrand. 2,120,435; June 14.
Trap: *See*—
Animal trap.
Tray, Freezing. H. D. Geyer. 2,120,701; June 14.
Tree felling device. E. Dästner. 2,120,394; June 14.
Trimming means for control surfaces. I. I. Sikorsky. 2,120,717; June 14.
Trimming, Molded. E. R. Chatterton. 2,120,885; June 14.
Trolley and extension lamp, Combined. L. R. Bogardus. 2,120,775; June 14.
Trough, Eaves. A. E. Dean. 2,120,395; June 14.
Tube: *See*—
Inner tube.
Tube closure, Rotary. F. O. Rhoads. 2,120,510; June 14.
Tube support. A. R. Houser and J. C. Ducommun. 2,120,805; June 14.
Tube warmer, Flexible. P. Tishman. 2,120,301; June 14.
Tubes, Making inner. G. W. Becker. 2,120,346; June 14.
Tufting attachment for sewing machines. G. T. Callahan. 2,120,229; June 14.
Tuyère plate. H. A. Ellis. 2,120,589; June 14.

2,4-dinitro-6-naphthylamino-phenols. E. C. Britton, F. B. Smith, J. E. Livak, and W. W. Sunderland. 2,120,664; June 14.
Typewriting machine. J. L. Hillis. 2,120,360; June 14.
Umbrella. I. Hollander. 2,120,959; June 14.
Vacuumizer. J. J. Williams and J. Bauman. 2,120,272; June 14.
Valve: See—
Charging and discharging valve. Cut-out valve.
Valve. W. V. Moore. 2,120,763; June 14.
Valve actuating means. D. C. Bettison. 2,120,389; June 14.
Valve adjusting device. R. W. Manning. 2,120,617; June 14.
Valve assembly. H. H. Bixler. 2,120,852; June 14.
Valve circuit, Electric. H. W. Lord and T. M. Dickinson. 2,120,565; June 14.
Valve for burners, Gas-air mixing. E. Kagi. 2,120,864; June 14.
Valve for locomotives, Drifting. C. Stern. 2,120,770; June 14.
Valve for oil burners. D. H. Hill. 2,120,669; June 14.
Valve mechanism, Gas. J. Diesk. 2,120,605; June 14.
Valve of internal combustion engines and the lubrication thereof, Rotary. A. H. Cuddon-Fletcher. 2,120,586; June 14.
Vanity case. O. C. Almonte. 2,120,849; June 14.
Vehicle: See—
Slide vehicle.
Vehicle body construction. N. P. Larsen. 2,120,918; June 14.
Vehicle-storage automatic system, Positive. R. T. Jenney. 2,120,751; June 14.
Vehicle top fabric. E. C. Clayton. 2,120,434; June 14.
Veneering, Method of. A. Elmendorf. 2,120,642; June 14.
Viewing device for use in the examination of photoelastic effects, New and improved. R. T. Kriebel. 2,120,365; June 14.
Viewing means, Infrared ray. L. J. Orvin. 2,120,765; June 14.
Viscose, Preparing. G. A. Richter. 2,120,417; June 14.
Viscosity meter, Continuous. G. H. Decker. 2,120,351; June 14.
Washer: See—
Track bolt washer.
Water. Apparatus and process for desilting natural streams of. F. V. W. Swanton. 2,120,516; June 14.
Water connection. G. W. Hulshizer. 2,120,361; June 14.
Watercraft. A. Herman. 2,120,591; June 14.
Water discharge, Bilge. W. M. Davant. 2,120,858; June 14.
Water softening apparatus. J. H. Nash. 2,120,429; June 14.
Weight controlled machine. F. Q. Rast. 2,120,373; June 14.
Weight for diving suits, Ballast. E. Töpper. 2,120,420; June 14.
Welding and flash trimmings, Apparatus for. M. D. Stone. 2,120,316; June 14.
Well cementing, Apparatus for oil. E. V. Crowell. 2,120,604; June 14.
Well gun. F. King. 2,120,615; June 14.
Well shooting apparatus. W. F. Hall and G. A. Lowrey. 2,120,464; June 14.
Wheel. C. W. Sinclair. 2,120,631; June 14.
Wheel balancing fixture. D. B. Webster. 2,120,925; June 14.
Wheels, Forming. C. W. Sinclair. 2,120,632–3; June 14.
Window. W. W. Hartmann. 2,120,359; June 14.
Window display. T. Rosenak. 2,120,472; June 14.
Window, Metal double hung. K. F. Jorss. 2,120,614; June 14.
Window sash fastener. J. A. Riccelli. 2,120,788; June 14.
Wine-cooling apparatus. W. W. Williamson. 2,120,305; June 14.
Wiper blade, Windshield. L. Zaiger. 2,120,587; June 14.
Wiper tension arm, Windshield. C. L. Sprankle. 2,120,945; June 14.
Wire clamping device. M. T. Tipsord. 2,120,447; June 14.
Wire covering for high frequency circuits. R. G. Zender. 2,120,306; June 14.
Wire having a covering of fibrous material. J. L. Tucker. 2,120,270; June 14.
Wringer. W. L. Kauffman, II. 2,120,521; June 14.
X-ray control means. C. B. Horsley and E. R. Goldfield. 2,120,609; June 14.
X-rays in radiographic and stereoscopic radiographic apparatus, Process and device for automatically centering. C. S. Chausse. 2,120,729; June 14.
Yarn package. S. Shephard. 2,120,910; June 14.
Yarns and the like, Conditioning, lofting and fluffing. H. C. Wolfenden. 2,120,844; June 14.
Yeast nutriment containing liver oil and manufacturing the same. M. Kawata. 2,120,410; June 14.
Zein, Production of. L. C. Swallen. 2,120,946; June 14.

# CLASSIFICATION OF PATENTS

## ISSUED JUNE 14, 1938

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 1: 2,120,711
4: 2,120,668
33: 2,120,776
2— 37: 2,120,817
85: 2,120,908
232: Re.20,768
233: 2,120,713
278: 2,120,667
4— 42: 2,120,556
236: 2,120,493
264: 2,120,461
5— 18: 2,120,663
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6— 24: 2,120,552
73: 2,120,544
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9— 2: 2,120,532
2,120,627
22: 2,120,265
23: 2,120,923
10— 76: 2,120,640
2,120,650
103: 2,120,621
123: 2,120,660
12— 2: 2,120,781
125: 2,120,337
15— 13: 2,120,280
167: 2,120,604
245: 2,120,587
255: 2,120,945
16—128.1: 2,120,984
141: 2,120,985
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34: 2,120,262
42: 2,120,902
50: 2,120,672
53: 2,120,281
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54: 2,120,721
2,120,881
56: 2,120,326
57: 2,120,720
58: 2,120,406
19— 66: 2,120,757
20— 2: 2,120,861
18: 2,120,746
19: 2,120,792
22: 2,120,704
2,120,707
51: 2,120,389
75: 2,120,480
22— 4: 2,120,451
68: 2,120,333
151: 2,120,833
189: 2,120,526
212: 2,120,700
23— 6: 2,120,643
16: 2,120,602
31: 2,120,940
62: 2,120,257
220: 2,120,530
233: 2,120,702
2,120,723
236: 2,120,988
238: 2,120,712
24— 33: 2,120,668
126: 2,120,469
193: 2,120,666
205: 2,120,924
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248: 2,120,699
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155: 2,120,288
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28: 2,120,340
34: 2,120,576
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28— 1: 2,120,551
26: 2,120,469
29— 15: 2,120,310
33: 2,120,316
62: 2,120,842
140: 2,120,825
148.2: 2,120,886
2,120,891
148.4: 2,120,833
152.2: 2,120,705
189.08: 2,120,633
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31— 51: 2,120,908
57: 2,120,313
85: 2,120,558
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33— 125: 2,120,338
34— 24: 2,120,289
26: 2,120,471
67: 2,120,445
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37— 71: 2,120,444
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52: 2,120,809
68: 2,120,418
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141: Re.20,756
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41: 2,120,486
41.5: 2,120,416
43— 22: 2,120,467
37: 2,120,903
85: 2,120,812
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45— 128: 2,120,942
47— 34: 2,120,899
49— 35: 2,120,323
49— 3: 2,120,912
14: 2,120,435
47: 2,120,452
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48: 2,120,558
81: 2,120,626
51— 84: 2,120,570
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125: 2,120,893
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194: 2,120,624
206: 2,120,468
230: 2,120,809
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22: 2,120,324
53— 3: 2,120,880
4: 2,120,718
7: 2,120,302
56— 28: 2,120,671
59— 35: 2,120,288
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63: 2,120,745
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17: 2,120,345
54: 2,120,325
68: 2,120,309
2,120,722
2,120,801
68.2: 2,120,737
2,120,738
70: 2,120,434
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2,120,816
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64— 25: 2,120,612
65— 13: 2,120,882
66— 8: 2,120,752
9: 2,120,980
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90: 2,120,750
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107: 2,120,706
109: 2,120,749
190: 2,120,665
67— 4.1: 2,120,226
53: 2,120,907
55: 2,120,255
68— 123: 2,120,921
248: Re.20,763
263: 2,120,521
69— 1: 2,120,835
70— 208: 2,120,647
72— 6: 2,120,838
41: 2,120,742
43: 2,120,709
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2,120,577
124: 2,120,644
73— 51: 2,120,925
190: 2,120,791
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321: 2,120,719
338: 2,120,962
74— 12: 2,120,578
230.17: 2,120,363
230.7: 2,120,875
259: 2,120,832
2,120,953
260: 2,120,897
270: 1,120,733
314: 2,120,531
330: Re.20,757
389.5: 2,120,636
502: 2,120,681
536: 2,120,362
75— 41: 2,120,740
57: 2,120,298
58: 2,120,894
125: 2,120,554
137: 2,120,562
77— 3: 2,120,890
80— 24: 2,120,530
81— 9.5: 2,120,308
82— 45: 2,120,782
88— 26: 2,120,437
87— 9: 2,120,616
28: 2,120,635
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88— 14: 2,120,365
2,120,490
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16: 2,120,686
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16.2: 2,120,249
17: 2,120,724
28: 2,120,506
28: 2,120,673
40: 2,120,404
41: 2,120,727
82: 2,120,524
88— 102: 2,120,834
91— 8: 2,120,758
25: Re.20,762
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68: 2,120,309
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68.2: 2,120,737
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2: 2,120,593
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36.5: 2,120,903
39.1: 2,120,899
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2,120,904
55.1: 2,120,901
60: 2,120,902
94— 17: 2,120,725
95— 5.6: 2,120,441
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97— 18: 2,120,867
22: 2,120,915
74: 2,120,839
98— 1: 2,120,563
33: 2,120,863
66: 2,120,605
99: 2,120,730
99— 88: 2,120,710
97: 2,120,410
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159: 2,120,499
188: 2,120,237
171: 2,120,640
207: 2,120,777
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336: 2,120,936
350: 2,120,845
102— 4: 2,120,464
20: 2,120,726
24: 2,120,248
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26: 2,120,913
103— 46: 2,120,772
115: 2,120,277
203: 2,120,448
105— 29: 2,120,792
397: 2,120,542
106— 12: 2,120,338
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22: 2,120,885
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107— 10: 2,120,790
54: 2,120,820
57: 2,120,829
108— 5.4: 2,120,349
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17: 2,120,278
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110— 44: 2,120,580
111— 84: 2,120,331
112— 79: 2,120,229
151: 2,120,911
113— 38: 2,120,356
50: 2,120,402
51: 2,120,461
113— 59: 2,120,607
105: 2,120,708
121: 2,120,646
114— 0.5: 2,120,545
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74: 2,120,286
144: 2,120,950
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117— 52: 2,120,270
53.5: 2,120,885
119— 17: 2,120,262
120— 36: 2,120,479
42: 2,120,652
121— 8: 2,120,300
10: 2,120,361
122— 510: 2,120,805
123— 32: 2,120,768
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51: 2,120,666
55: 2,120,637
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67: 2,120,941
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146: 2,120,230
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153: 2,120,465
167: 2,120,330
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13: 2,120,648
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131— 51: 2,120,705
132— 9: 2,120,760
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79: 2,120,236
135— 33: 2,120,959
136— 136: 2,120,618
149: 2,120,822
137— 68: 2,120,354
69: 2,120,677
152: 2,120,866
153: 2,120,242
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139— 37: 2,120,895
143— 6: 2,120,807
63: 2,120,304
144— 309: 2,120,642
146— 160: 2,120,378
148— 8: 2,120,276
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21.5: 2,120,319
149— 26: 2,120,703
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152— 208: 2,120,264
347: 2,120,379
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14: 2,120,346
42: 2,120,458
155— 57: 2,120,341
156— 17: 2,120,264
156— 17: 2,120,292
158— 1: 2,120,271
76: 2,120,387
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92: 2,120,372
118: 2,120,864
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90: 2,120,589
169— 2,120,760
170— 169: 2,120,617
171— 34: 2,120,311
97: 2,120,855
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2,120,565
252: 2,120,427
312: 2,120,894
330: 2,120,457
172— 36: 2,120,914
126: 2,120,357
179: 2,120,690
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233: 2,120,321
239: 2,120,352
280: 2,120,848
173— 264: 2,120,306
266: 2,120,899
273: 2,120,447
328: 2,120,690
2,120,570
332: 2,120,398
175— 115: 2,120,841
163: 2,120,891
2,120,573
315: 2,120,426
2,120,815
339: 2,120,339
367: 2,120,919
176— 3: 2,120,877
17: 2,120,527
26: 2,120,870
34: 2,120,525
119: 2,120,243
124: 2,120,561
126: 2,120,480
177— 311: Re.20,764
2,120,559
337: 2,120,388
350: 2,120,378
351: 2,120,961
352: 2,120,348
178— 2: 2,120,235
34: 2,120,230
56: 2,120,254
60.5: 2,120,371
179— 17: 2,120,410
27.54: 2,120,408
2,120,413
100.3: 2,120,363
171: 2,120,794
2,120,800
2,120,823
2,120,882

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 190— | 23: 2,120,694 | 201— | 55: 2,120,771 | 221— | 60: 2,120,491 | 244— | 42: 2,120,598 | 260— | 81: 2,120,743 | 279— | 1: 2,120,623 |
| | 32: 2,120,560 | | 67: 2,120,335 | | 2,120,510 | | 2,120,700 | | 89: 2,120,764 | | 6: 2,120,638 |
| | 33: 2,120,459 | | 76: 2,120,374 | | 2,120,531 | | 44: 2,120,220 | | 98: 2,120,432 | | 9: 2,120,628 |
| 193— | 17: 2,120,762 | | 2,120,680 | | 73.5: 2,120,248 | | 60: 2,120,821 | | 98: 2,120,726 | | 19.2: 2,120,283 |
| | 51: 2,120,347 | 204— | 11: 2,120,478 | | 95: 2,120,266 | | 87: 2,120,717 | | 99.30: 2,120,401 | 280—11.13: | 2,120,363 |
| 198— | 58: 2,120,323 | | 24: 2,120,932 | | 2,120,645 | | 140: 2,120,477 | | 2,120,579 | | 16: 2,120,747 |
| | 132: 2,120,676 | 206— | 44: 2,120,826 | | 102: 2,120,412 | 246— | 24: 2,120,537 | | 100: 2,120,417 | | 33.1: 2,120,509 |
| | 2,120,917 | | 64: 2,120,910 | | 104: 2,120,596 | | 462: 2,120,462 | | 103: 2,120,544 | | 33.18: 2,120,415 |
| | 261: 2,120,848 | | 82: 2,120,818 | | 144: 2,120,289 | 247— | 2: 2,120,574 | | 2,120,755 | | 2,120,687 |
| 199— | 34: 2,120,932 | | 2,120,919 | 223— | 60: 2,120,748 | | 2,120,575 | | 2,120,786 | | 33.44: 2,120,422 |
| | 72: 2,120,614 | 209— | 40: 2,120,586 | | 71: 2,120,468 | 248— | 61: 2,120,626 | | 108: 2,120,698 | | 36: 2,120,426 |
| 191— | 34: 2,120,775 | | 110: 2,120,358 | 224— | 36: 2,120,234 | | 205: 2,120,619 | | 108: 2,120,672 | | 152.1: 2,120,453 |
| 192— | 01: 2,120,896 | | 135: 2,120,613 | 225— | 5: 2,120,460 | | 250: 2,120,801 | | 129: 2,120,536 | | 262: 2,120,454 |
| | 4: 2,120,304 | | 167: 2,120,485 | | 12: 2,120,865 | | 359: 2,120,662 | | 134: 2,120,512 | 282— | 3: 2,120,438 |
| | 12: 2,120,734 | | 205: 2,120,850 | 228— | 73: 2,120,906 | 249— | 1: 2,120,765 | | 2,120,557 | 285— | 20: 2,120,466 |
| | 60: 2,120,634 | 210— | 2: 2,120,634 | | 82: 2,120,272 | | 11: 2,120,241 | | 126: 2,120,808 | | 66: 2,120,275 |
| | 66: 2,120,460 | | 8: 2,120,636 | 230— | 5.6: 2,120,805 | | 2,120,566 | | 128: 2,120,664 | 286— | 26: 2,120,622 |
| | 88: 2,120,793 | | 2,120,706 | | 14: 2,120,288 | | 20: 2,120,308 | | 129: 2,120,660 | 302— | 62: 2,120,608 |
| | 127: 2,120,380 | | 24: 2,120,422 | | 35: 2,120,470 | | 27: 2,120,787 | 130.5: | 2,120,511 | 2,120,788 | |
| | 188: 2,120,407 | | 31: 2,120,608 | | 37: 2,120,871 | 27.5: | Re.20,750 | | 134: 2,120,702 | | 285: 2,120,524 |
| 193— | 82: 2,120,808 | | 52: 2,120,618 | | 44: 2,120,906 | | 2,120,816 | | 138: 2,120,513 | | 288: 2,120,602 |
| 196— | 13: 2,120,377 | | 55: Re.20,761 | | 51: 2,120,630 | | 2,120,955 | | 153: 2,120,537 | 304— | 108: 2,120,630 |
| | 2,120,810 | | 201: 2,120,455 | | 57: 2,120,317 | | 34: 2,120,609 | 168.5: | 2,120,297 | 306— | 24: 2,120,918 |
| | 53: 2,120,205 | 211— | 74: 2,120,610 | 230— | 133: 2,120,307 | | 2,120,729 | | 162: 2,120,605 | | 84: 2,120,824 |
| | 2,120,715 | | 118: 2,120,426 | 232— | 4: 2,120,514 | | 2,120,908 | | 2,120,675 | | 97: 2,120,892 |
| | 60: 2,120,655 | | 135: 2,120,411 | | 33: 2,120,857 | | 36: 2,120,518 | 261— | 9: 2,120,256 | | 99: 2,120,463 |
| | 69: 2,120,396 | | 181: 2,120,511 | 234— | 60: 2,120,703 | 251— | 119: 2,120,552 | | 26: 2,120,601 | 307— | 3: 2,120,929 |
| | 74: 2,120,376 | 214— | 16.1: 2,120,751 | 235— | 6: 2,120,380 | | 137: 2,120,703 | | 64: 2,120,342 | 309— | 67: 2,120,754 |
| 197— | 2: 2,120,766 | | 65: Re.20,760 | | 88: 2,120,373 | | 152: 2,120,699 | | 119: 2,120,490 | | 84: 2,120,774 |
| | 102: 2,120,553 | 215— | 46: 2,120,603 | | 61.7: 2,120,252 | | 163: 2,120,695 | | 122: 2,120,297 | | 2,120,907 |
| | 123: 2,120,360 | | 100: 2,120,600 | | 2,120,253 | 253— | 5: 2,120,850 | | 2,120,307 | | 89: 2,120,948 |
| 198— | 8: 2,120,374 | 216— | 29: 2,120,804 | | 61.8: 2,120,228 | 254— | 67: 2,120,497 | 285— | 11: 2,120,341 | | 120: 2,120,398 |
| | 33: 2,120,314 | | 70: 2,120,878 | | 2,120,254 | | 110: 2,120,625 | 288— | 6: 2,120,884 | | 2,120,611 |
| | 2,120,315 | 217— | 2: 2,120,661 | 236— | 9: 2,120,803 | 255— | 1: 2,120,670 | | 7: 2,120,843 | | 121: 2,120,630 |
| | 2,120,385 | | 4: 2,120,716 | | 79: 2,120,507 | | 74: 2,120,240 | | 30: 2,120,474 | 301— | 9: 2,120,631 |
| 200— | 6: 2,120,424 | | 24: 2,120,600 | 238— | 10: 2,120,251 | 257— | 32: 2,120,767 | | 2,120,475 | 302— | 21: 2,120,443 |
| | 16: 2,120,423 | 219— | 19: 2,120,389 | | 61: 2,120,887 | | 187: 2,120,797 | | 29: 2,120,785 | 305— | 10: 2,120,753 |
| | 33: 2,120,601 | | 21: 2,120,606 | | 243: 2,120,426 | 258— | 107: 2,120,543 | 267— | 72: 2,120,526 | 311— | 7: 2,120,732 |
| | 35: 2,120,398 | | 23: 2,120,761 | 240—10.68: | 2,120,238 | 260— | 3: 2,120,343 | 270— | 5: 2,120,714 | 312— | 1: 2,120,671 |
| | 67: 2,120,876 | | 31: 2,120,508 | | 78: 2,120,449 | | 2,120,693 | 271— | 2.3: 2,120,476 | | 140.3: 2,120,653 |
| | 99: 2,120,373 | | 39: 2,120,583 | 241— | 1: 2,120,414 | | 4: 2,120,549 | | 2,120,735 | | 173: 2,120,674 |
| | 104: 2,120,421 | | 2,120,705 | 242— | 15: 2,120,944 | | 11: 2,120,799 | | 28: 2,120,494 | | 189: 2,120,527 |
| | 118: 2,120,552 | | 46: 2,120,301 | | 35: 2,120,778 | | 12: 2,120,514 | | 94: 2,120,572 | | |
| | 139: 2,120,489 | 220— | 8: 2,120,357 | | 64: 2,120,846 | | 16: 2,120,285 | 273— | 62: 2,120,567 | | |
| | 2,120,567 | | 66: 2,120,467 | | 84.7: 2,120,234 | | 41: 2,120,322 | | 75: 2,120,280 | | |
| | 180: 2,120,781 | | 69: 2,120,520 | | 131: 2,120,759 | | 42: 2,120,741 | | 94: 2,120,439 | | |
| 201— | 48: 2,120,651 | 221— | 27: 2,120,592 | | 2,120,888 | | 44.5: 2,120,560 | | 121: 2,120,440 | | |

U. S. GOVERNMENT PRINTING OFFICE: 1938

# LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adjuvant Specialties Company, Jersey City, N. J. Medicinal preparation. Serial No. 406,010; June 21. Class 6.

Adler & Adler, Inc., New York, N. Y. Dresses, suits, skirts, etc. Serial No. 405,675; June 21. Class 39.

American Import Company, The, San Francisco, Calif. Handkerchiefs. Serial No. 403,806; June 21. Class 39.

American Plastic Corporation, San Francisco, Calif. Compositions of matter of the type commonly known as "plastics". Serial No. 399,221; June 21. Class 1.

Arctic Fruit Ales Co., Inc., Brooklyn, N. Y. Beverages, and syrups and extracts for making the same. Serial No. 396,590; June 21. Class 45.

Associated Distributors, Inc., Chicago, Ill. Lipsticks, rouge, face powder, etc. Serial No. 406,274; June 21. Class 6.

Associated Merchandising Corporation, New York, N. Y. Muslin sheets and pillow cases, percale sheets and pillow cases, etc. Serial No. 405,480; June 21. Class 42.

Atlas Chemical Company, Marietta, Ohio. Metallic radiator cement. Serial No. 404,105; June 21. Class 6.

Atlas Powder Company, Wilmington, Del. Water-repellent processing fluids and coating compositions for fabrics, yarns, paper. Serial No. 403,355; June 21. Class 6.

Atlas Powder Company, Wilmington, Del. Detonators. Serial No. 406,169; June 21. Class 9.

Baker, Herman, New York, N. Y. Educational game boards. Serial No. 406,368; June 21. Class 22.

Barbaresso Brothers, Piraeus, Greece. Brandy. Serial No. 405,475; June 21. Class 49.

Basch, Herman, & Co. Inc., North Bergen, N. J. Fur skins dressed and dyed. Serial No. 402,112; June 21. Class 1.

Bates Fabrics, Inc., New York, N. Y. Bedspreads. Serial No. 405,099; June 21. Class 42.

Bamm, Ellen N., Denver, Colo. Hair tinting rinses. Serial No. 405,238; June 21. Class 6.

Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings. Serial No. 397,606; June 21. Class 26.

Baxter Laboratories, Inc., Glenview, Ill. Dextrose and amino acids. Serial No. 405,629; June 21. Class 6.

Bedford Knitting Mills, New York, N. Y. Sweaters and knitted sportswear. Serial No. 404,561; June 21. Class 39.

Bell Aircraft Corporation, Buffalo, N. Y. Airplanes and structural parts thereof. Serial No. 405,678–80; June 21. Class 19.

Ben-Burk, Inc., Boston, Mass. Rye and bourbon whiskey. Serial No. 405,191; June 21. Class 49.

Bennett Incorporated, Cambridge, Mass. Solvents. Serial No. 396,557; June 21. Class 4.

Blalock's Anti-Zema Co., Raleigh, N. C. Preparation for eczema, poison oak, etc. Serial No. 403,300; June 21. Class 6.

Blechman, S., & Sons, Inc., New York, N. Y. Overalls and "coveralls". Serial No. 404,829; June 21. Class 39.

Borland, James B., Bloomington, Ind. Cleaning and washing powder compound. Serial No. 403,904; June 21. Class 4.

Boston Drug & Chemical Co., Boston, Mass. Liquid preparation for mothproofing. Serial No. 405,713; June 21. Class 6.

Boston Envelope Co., doing business as Drinking Cup Co., Dedham, Mass. Paper drinking cups. Serial No. 404,747; June 21. Class 2.

Brav Chemical Co., Chicago, Ill. Lye. Serial No. 406,047; June 21. Class 6.

Breck, John H., Inc., Springfield, Mass. Preparations for shampoo purposes. Serial No. 404,117; June 21. Class 6.

Bridge Master, Inc., New York, N. Y. Game. Serial No. 406,011; June 21. Class 22.

Brooklyn Scientific Products Co., Inc., New York, N. Y. Medicinal preparation. Serial No. 405,008; June 21. Class 6.

Buda Company, The, Harvey, Ill. Shop trucks and carts. Serial No. 404,623; June 21. Class 19.

Bull, August P., doing business as August P. Bull Candy Company, San Antonio, Tex. Candy. Serial No. 404,599; June 21. Class 46.

Buscarlet Glove Co. Inc., New York, N. Y. Gloves. Serial No. 403,358; June 21. Class 39.

Caley, Wendell J., Philadelphia, Pa. Artificial flowers. Serial No. 405,548; June 21. Class 40.

Canada Cycle & Motor Company Limited, Weston, Ontario, Canada. Children's tricycles and other vehicles. Serial No. 405,589; June 21. Class 22.

Cannon Mills Company, Kannapolis, N. C. Hosiery. Serial No. 401,725; June 21. Class 39.

Carlton Mills Co. Inc., Philadelphia, Pa. Woolen piece goods. Serial No. 405,345; June 21. Class 42.

Casement Hardware Co., The, Chicago, Ill. Latches. Serial No. 403,907; June 21. Class 25.

Cedar Cliff Silk Co., Inc., The, New York, N. Y. Silk, satin, and silk and cotton mixtures. Serial No. 404,795; June 21. Class 42.

Century Furniture Accessories, Inc., New York, N. Y. Refrigerators. Serial No. 405,012; June 21. Class 31.

Chanderlin Seed Company, New York, N. Y. Grass seed. Serial No. 405,193; June 21. Class 1.

Chemical Process Company, Dallas, Tex. Preparation for cleaning toilet bowls, etc. Serial No. 402,404; June 21. Class 4.

Chili Foam Corporation of America, Detroit, Mich. Powder for washing filter mass and like materials. Serial No. 399,594; June 21. Class 4.

Cía Licorera Julia. (See Julia, Ramón C.)

Clutton, Sam W., Great Falls, Mont. Statuette and ornamental figures. Serial No. 403,539; June 21. Class 50.

Commanditaire Vennootschap op Aandeelen Tieleman & Dros, Leiden, Netherlands. Combined vegetables and meat, and combined vegetables, potatoes, and meat, etc. Serial No. 402,876; June 21. Class 46.

Conducto-Therm Corporation, Las Vegas, Nev., and Los Angeles, Calif. Fever therapy apparatus. Serial No. 399,341; June 21. Class 44.

Cone Export and Commission Company, New York, N. Y. Textile fabrics. Serial No. 405,913; June 21. Class 42.

Dare, Virginia, Extract Company, Inc., Brooklyn, N. Y. Mixers. Serial No. 406,178; June 21. Class 45.

DaVees, Springfield, Ill. Candied nuts and candies. Serial No. 390,052; June 21. Class 46.

De Beer, J. & Son, Albany, N. Y. Playing balls. Serial No. 405,806; June 21. Class 22.

DeLand, C. M., New York, N. Y. Woolen piece goods. Serial No. 405,919; June 21. Class 42.

Dewey and Almy Chemical Company, Cambridge, Mass. Bladders for playballs, basketballs, etc. Serial No. 405,872; June 21. Class 22.

Dickinson, E. E., Co., The, Essex, Conn. Preparation for softening the skin, etc. Serial No. 405,863; June 21. Class 6.

Do-All Co. (See McCarthy, Theresa.)

Dodge, H. B., & Company, Chicago, Ill. Venetian blinds and parts thereof. Serial No. 404,837; June 21. Class 32.

Dominion Dry Co. (See Farrell, M. M., & Sons.)

Dri-Bite, Inc., St. Louis, Mo. Cleaner for woodwork, etc. Serial No. 405,634; June 21. Class 4.

Edwal Laboratories, Inc., The, Chicago, Ill. Chemicals for photography. Serial No. 393,638; June 21. Class 6.

Electrolux, Inc., New York, N. Y. Electric vacuum cleaner nozzles. Serial No. 403,544; June 21. Class 21.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. Serial No. 406,242; June 21. Class 22.

Epstein, Ezekiel S., Danville, Ill. Whiskey. Serial No. 398,100; June 21. Class 49.

Farrell, M. M., & Sons, doing business as Dominion Dry Co., Burlington, Vt. Ginger ale and soft drinks. Serial No. 404,037; June 21. Class 45.

Feintuch, Jacob, Brooklyn, N. Y. Dental casting alloys. Serial No. 403,121; June 21. Class 44.

Feltman & Curme Shoe Stores Company, The, Chicago, Ill. Shoes. Serial No. 398,609; June 21. Class 39.

Fendrich, H., Inc., Evansville, Ind. Cigars. Serial No. 405,694; June 21. Class 17.

Finch, Joseph S., and Company, New York, N. Y., and Schenley, Pa. Rum, whiskey, gin, etc. Serial No. 405,552; June 21. Class 49.

Finch, Leon, Ltd., Los Angeles, Calif. Lacquer cutter, and abrasive and/or polishing agent. Serial No. 404,638; June 21. Class 4.

Fleetwood Sportswear Co. Inc., New York, N. Y. Street dresses, sport dresses, etc. Serial No. 405,386; June 21. Class 39.

G. E. Laboratories. (See Troutman, Roy J.)

Gardner Machine Company, South Beloit, Ill. Abrasive tools, abrasive wheels, and abrasive disks. Serial No. 404,208; June 21. Class 4.

Gardner Machine Company, South Beloit, Ill. Abrasive tools, abrasive wheels, and abrasive disks. Serial No. 404,210; June 21. Class 4.

Gardner Machine Company, South Beloit, Ill. Abrasive tools, abrasive wheels, and abrasive disks. Serial No. 404,212–3; June 21. Class 4.

Goldstein, Benjamin, Co., The, New York, N. Y. Potatoes. Serial No. 398,572; June 21. Class 46.

Goodrich Electric Company, Chicago, Ill. Unitary electric lighting fixtures. Serial No. 402,156; June 21. Class 21.

Goodstein, W. H., Millinery Co., Chicago, Ill. Women's hats. Serial No. 404,127; June 21. Class 39.

Greenman, I., Sons & Co., Inc., New York, N. Y. Bed spreads, bath mats, blankets, etc. Serial No. 403,547; June 21. Class 42.

Grosjean, C. E., Rice Milling Co., San Francisco, Calif. Rice. Serial No. 401,642; June 21. Class 46.

# LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Gum Incorporated, Philadelphia, Pa. Chewing gum. Serial No. 405,204–7; June 21. Class 46.
Haase, Wilbert W., Co., Inc., Forest Park, Ill. Asphalt interlined cement burial vaults. Serial No. 404,153; June 21. Class 2.
Hart, Schaffner & Marx, Chicago, Ill. Coats, suits, overcoats, etc. Serial No. 405,722; June 21. Class 39.
Hearst Sunical Land and Packing Corporation, San Francisco, Calif. Canned fruits. Serial No. 401,843; June 21. Class 46.
Hearst Sunical Land and Packing Corporation, San Francisco, Calif. Canned fruit juices. Serial No. 401,845; June 21. Class 46.
Hedges, Howard E., doing business as The Hedges Manufacturing Company, Chicago, Ill. File cabinets, drawers, and parts thereof. Serial No. 397,443; June 21. Class 32.
Hētogen Co., Inc., New York, N. Y. Counter-irritant paste. Serial Nos. 405,811–2; June 21. Class 6.
Histosan Incorporated, Ivoryton, Conn. Preparation for polishing and sealing floors. Serial No. 405,601; June 21. Class 16.
Hi-Top Candy Co. (See Minor, Jesse.)
Hockmeyer Bros., Inc., New York, N. Y., and Portland, Maine. Cotton piece goods. Serial No. 405,990; June 21. Class 42.
Holeproof Hosiery Co., Milwaukee, Wis. Jackets, playsuits, shirts, etc. Serial No. 403,130; June 21. Class 39.
Hollingshead, R. M., Corporation, Camden, N. J. Cleaning and polishing materials. Serial No. 405,253; June 21. Class 4.
Hoover, Charles, Jackson Heights, Long Island, N. Y. Cosmetics. Serial No. 406,133; June 21. Class 6.
Horvita, Inc., New York, N. Y. Skin creams and lotions. Serial No. 403,724; June 21. Class 6.
Hughes-Autograf Brush Co. Inc., New York and Troy, N. Y. Artificial bristles. Serial Nos. 404,991–2; June 21. Class 1.
Hutaff, George H., Jr., Wilmington, N. C. Figure toys. Serial No. 402,221; June 21. Class 22.
Ilison, Philip, Inc., New York, N. Y. Skirt and shirt ensembles. Serial No. 404,174; June 21. Class 39.
International Braid Company, Providence, R. I. Shoe laces and braids. Serial No. 405,557; June 21. Class 40.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 405,558; June 21. Class 39.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 405,648; June 21. Class 39.
Island Creek Coal Sales Company, Huntington, W. Va. Coal. Serial No. 405,281; June 21. Class 1.
Italian Swiss Colony, San Francisco, Calif. Wines. Serial No. 404,763; June 21. Class 47.
Jackson Manufacturing Co., Harrisburg, Pa. Drag scraper and lawn rollers. Serial No. 404,364; June 21. Class 23.
Jordan Marsh Company, Boston, Mass. Women's shoes. Serial No. 403,602; June 21. Class 39.
Juliá, Ramón C., doing business as Cía Licorera Juliá, Santurce, San Juan, P. R. Rum. Serial No. 405,163; June 21. Class 49.
Kenneth, Malcolm, Co., Boston, Mass. Men's overcoats and top coats. Serial No. 401,899; June 21. Class 39.
Kress, S. H., and Company, New York, N. Y. Chewing gum. Serial No. 405,729; June 21. Class 46.
Lady Mac of Canada Limited, Toronto, Ontario, Canada. Foundation garments. Serial No. 401,900; June 21. Class 39.
Lee Polish Mfg. Co. Inc., Brooklyn, N. Y. Paper tissues particularly adapted for polishing and cleaning. Serial No. 403,414; June 21. Class 37.
Levi & Gade, Chicago, Ill. Christmas tree ornaments. Serial No. 391,816; June 21. Class 50.
Lichtenstein Millinery Co., Dallas, Tex. Ladies' hats. Serial No. 390,182; June 21. Class 39.
Li-Cut Live Bait Co. (See Orcutt, E. W.)
Lily Mills Company, Shelby, N. C. Hand knitting needles and hand sewing needles. Serial No. 402,480; June 21. Class 40.
Longines-Wittnauer Co. Inc., The, New York, N. Y. Watches and clocks. Serial No. 403,415; June 21. Class 27.
Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Fabrics. Serial No. 405,881; June 21. Class 42.
Lundiborg Perfumer, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 381,462; June 21. Class 6.
Lyons, H. L., Pompano, Fla. Fresh and canned vegetables also fruit juices. Serial No. 395,072; June 21. Class 46.
Macy, R. H., & Co., Inc., New York, N. Y. Toilet creams, perfumes, and face powders. Serial No. 402,379; June 21. Class 6.
Marelle, Inc., Jersey City, N. J. Toilet water and for bath oil. Serial No. 401,939; June 21. Class 6.
Maryland Wine & Liquor Company, Inc., Chicago, Ill. Whiskey. Serial No. 403,703; June 21. Class 49.
May Department Stores Co., The, New York, N. Y.; St. Louis, Mo.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo. Women's, misses', and girls' stockings. Serial No. 405,454; June 21. Class 39.
McCarthy, Theresa, doing business as Do-All Co., Elmira, N. Y. Chemical compound. Serial No. 404,998; June 21. Class 6.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Medical preparation. Serial No. 406,259; June 21. Class 6.
Middleton, John, Inc., Philadelphia, Pa. Smoking tobacco. Serial No. 403,602; June 21. Class 11.
Millville Manufacturing Company, The, Philadelphia, Pa. Cotton piece goods, cotton flannel, outing flannel, etc. Serial No. 400,431; June 21. Class 42.
Minor, Jesse, doing business as Hi-Top Candy Co., San Diego, Calif. Candy. Serial No. 399,103; June 21. Class 46.
Mirus Laboratories Inc., New York, N. Y. Medicated shampoo and scalp cream. Serial No. 402,603; June 21. Class 6.
Momu Co. (See Stockton, M. Munn.)
Montague Rod and Reel Company, Montague City, Mass. Fishing rods and reels. Serial No. 406,066; June 21. Class 22.
Moody, Willey M., doing business as Morehead-Fleming Drug Co., San Jose, Calif. Salicylic compounds. Serial No. 401,906; June 21. Class 6.
Morehead-Fleming Drug Co. (See Moody, Willey M.)
Morrell, John, & Co., Ottumwa, Iowa. Hams, bacon, cooked ham, etc. Serial No. 399,312; June 21. Class 46.
Mount Hope Finishing Company, Dighton, Mass. Textile fabrics. Serial No. 404,817; June 21. Class 42.
Mule Battery Mfg. Co. (See Setzer, Albert.)
Mulliu Products Co., San Gabriel, Calif. Salves and lotions. Serial No. 404,536; June 21. Class 6.
Mutual Orange Distributors, Redlands, Calif. Canned citrus juices. Serial No. 405,312; June 21. Class 46.
Naamlooze Vennootschap Helmondsche Textiel Maatschappij, Helmond, Netherlands. Printed cotton blankets, cotton moquette, carpets, etc. Serial No. 400,874; June 21. Class 42.
National Oil Products Co., Harrison, N. J. Vitamin rich bodies for fortifying food products. Serial No. 401,941; June 21. Class 6.
Newark Comfort Co., Inc., Newark, N. J. Crib comforters, baby pillows, and pillows, etc. Serial No. 404,181; June 21. Class 42.
Nicolar, Joseph F., Hollywood, Calif. Balm. Serial No. 399,526; June 21. Class 6.
No-D-Ka Company, The. (See Reid, Marion V.)
Ocean Bathing Suit Company, Inc., New York, N. Y. Knitted outerwear and beach wear. Serial No. 405,612; June 21. Class 39.
Optikotechna společnost s r. o., Prerov, Czechoslovakia. Optical glass products, photographic cameras, sound devices, etc. Serial No. 390,805; June 21. Class 26.
Orcutt, E. W., doing business as Li-Cut Live Bait Co., Monterey Park, Calif. Fish bait. Serial No. 404,624; June 21. Class 22.
Parke, Davis & Company, Detroit, Mich. Aqueous emulsion of an alcohol-soluble synthetic resin. Serial No. 402,792; June 21. Class 6.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Infants' textile diapers. Serial No. 404,016; June 21. Class 39.
Pennsylvania Distilling Co., Inc., Logansport, and Philadelphia, Pa. Whiskey. Serial No. 405,891; June 21. Class 49.
Pennwell Oil & Belting Co., Inc., New York, N. Y. Leather belting. Serial No. 405,518; June 21. Class 35.
Pennwell Oil & Belting Co., Inc., New York, N. Y. Leather belting. Serial Nos. 405,520–1; June 21. Class 35.
Petroleum Heat and Power Company, New York, N. Y. Oil burners. Serial Nos. 405,735–7; June 21. Class 34.
Picchi Bros., Stockton, Calif. Fresh vegetables. Serial No. 405,968; June 21. Class 46.
Pleetoox Products Company, St. Louis, Mo. Aprons. Serial No. 405,318; June 21. Class 39.
Polakoff, Joseph G., doing business as Polly Brand Products Company, Newark, N. J. Beverage. Serial No. 403,348; June 21. Class 45.
Polly Brand Products Company. (See Polakoff, Joseph G.)
Preim, Herman, New York, N. Y. Foldable rolling tables. Serial No. 405,267; June 21. Class 32.
Princeton Knitting Mills, Incorporated, Watertown, Conn., and New York, N. Y. Knitted textile fabrics. Serial No. 405,369; June 21. Class 42.
Produce Conditioners, Incorporated, Miami, Fla. Fresh citrus fruits, peaches, fresh vegetables, etc. Serial No. 376,861; June 21. Class 46.
Pulp Products Company, Inc., New York, N. Y. Toys. Serial No. 404,544; June 21. Class 22.
Puerto Rico Distilling Company, Arecibo, P. R. Rum, liqueurs, cocktails, etc. Serial No. 405,667; June 21. Class 49.



LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Red Seal Beverage Company, Chicago, Ill. Beverages. Serial No. 399,373; June 21. Class 45.
Reid, Marion V., doing business as The No-D-Ka Company, West Springfield, Mass. Dentifrices. Serial No. 404,418; June 21. Class 6.
Reimann, Kurt P., New York, N. Y. Water and moisture repellent fabric. Serial No. 395,882; June 21. Class 50.
Reynolds Metals Company, Richmond, Va. Paper and metal foil cigar wraps. Serial No. 405,083; June 21. Class 37.
Richter, P. Ad., & Co. Inc., Brooklyn, N. Y. Ointment. Serial No. 405,510; June 21. Class 6.
Richter & Franklin, Inc., New York, N. Y. Fur coats. Serial No. 404,776; June 21. Class 39.
Robbins, C. H. D., Co., Inc., New York, N. Y. Dresses, negligees, and pajamas. Serial No. 384,014; June 21. Class 39.
Rosico Candy Company. (See Simon, Robert.)
Rush Manufacturing Co., Philadelphia, Pa. Parlor football game. Serial No. 396,968; June 21. Class 22.
Ruth's Fabrics, Inc., Brooklyn, N. Y. Caps, scarfs, and cap and scarf combinations. Serial No. 405,272; June 21. Class 39.
S. U. Carburetter Company Limited, The, Birmingham, England. Carburetters and fuel pumps for engines. Serial No. 405,184; June 21. Class 23.
Sandora Frocks, Inc., New York, N. Y. Cotton dresses. Serial No. 405,320; June 21. Class 39.
Schoenhut, O., Inc., Philadelphia, Pa. Spinning tops. Serial No. 406,401; June 21. Class 22.
Scraper, Earl F., Wichita, Kans. Game boards. Serial No. 405,337; June 21. Class 22.
Setzer, Albert, doing business as Mule Battery Mfg. Co., Providence, R. I. Electric storage batteries. Serial No. 403,968; June 21. Class 21.
Shakespeare Company, Kalamazoo, Mich. Fishing reels, lines, and rods, etc. Serial No. 406,155; June 21. Class 22.
Shomo, Harvey L., Philadelphia, Pa. Teas. Serial No. 405,748; June 21. Class 46.
Silva, Francisco H. R., Fall River, Mass. Oil stoves and oil burners. Serial No. 405,324; June 21. Class 34.
Simon, Robert, doing business as Rosico Candy Company, Chicago, Ill. Paper cups and containers. Serial No. 404,911; June 21. Class 2.
Southern Biscuit Company, Incorporated, Richmond, Va. Biscuits. Serial No. 404,919; June 21. Class 46.
Squibb, E. R., & Sons, New York, N. Y. Antiseptic and bactericidal preparations. Serial No. 406,104; June 21. Class 6.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Volatile odorant. Serial No. 403,527; June 21. Class 6.
Stanley, John T., Co., Inc., New York, N. Y. Dairy and household cleanser. Serial No. 398,296; June 21. Class 4.
Stetson China Company, Inc., Chicago, Ill. China tableware. Serial No. 405,373; June 21. Class 30.
Stewell, Inc., Chicago, Ill. Toy projectile. Serial No. 405,327; June 21. Class 22.
Stockton, M. Munn, doing business as Momu Co., New York, N. Y. Drinking water containing iodine. Serial No. 405,902; June 21. Class 6.
Sturtevant, B. F., Company, Hyde Park, Boston, Mass. Ventilating fans. Serial No. 405,743; June 21. Class 34.
Stuver, John C., Barberton, Ohio. Coal. Serial Nos. 392,058–60; June 21. Class 1.
Tasley, James E., doing business as U. S. Dried Egg Co., New York, N. Y. Powdered egg yolks, powdered egg albumen. Serial No. 404,331; June 21. Class 46.
Thomas Products, Inc., Buffalo, N. Y. Nail cream. Serial No. 405,786; June 21. Class 6.
Tilton & Cook Co., Leominster, Mass. Hair pins, barrettes, bandeaux, etc. Serial No. 401,082; June 21. Class 40.
Trautman, August, New York, N. Y. Chemical preparation for exterminating moths. Serial No. 405,944; June 21. Class 6.
Trautman, August, New York, N. Y. Cosmetics. Serial No. 405,945; June 21. Class 6.
Troutman, Roy J., doing business as G. E. Laboratories, Shamokin, Pa. Preparation used in the treatment of coughs, colds, etc. Serial No. 406,202; June 21. Class 6.
Try Me Bottling Company, The, Washington, D. C. Beverages and extracts used in making same. Serial No. 404,336; June 21. Class 45.
United Co-Operatives, Inc., Indianapolis, Ind. Tires and inner tubes. Serial No. 406,075; June 21. Class 35.
United States Cabinet Bed Co., Brooklyn, N. Y. Mattresses. Serial No. 406,157; June 21. Class 32.
U. S. Dried Egg Co. (See Tasley, James E.)
United States Glass Co., Pittsburgh, Pa. Glass table ware and glass bar ware. Serial No. 403,186; June 21. Class 33.
United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. Serial No. 405,089; June 21. Class 22.
Universal Match Corporation, St. Louis, Mo. Book-matches. Serial No. 406,156; June 21. Class 9.
Vadsco Sales Corporation, Long Island City, N. Y. Medicinal products. Serial No. 403,288; June 21. Class 6.
Van Vechten, Loren W., Rochester, N. Y. Amusement game. Serial No. 406,307; June 21. Class 22.
Wadhams & Company, Portland, Oreg. Wines. Serial No. 403,572; June 21. Class 47.
Walker, Hiram, & Sons, Inc., Peoria, Ill. Gin. Serial No. 403,153; June 21. Class 49.
Wellesley Modes, Inc., New York, N. Y. Women's and misses' clothing. Serial No. 404,277; June 21. Class 39.
West Ontario Citrus Association, Ontario, Calif. Fresh citrus fruits. Serial No. 398,950; June 21. Class 46.
West Virginia Pulp and Paper Company, New York, N. Y. Denatured alcohol. Serial No. 400,665; June 21. Class 6.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Evaporative condensers for air conditioning devices. Serial No. 401,410; June 21. Class 34.
Wiener & Katz, New York, N. Y. Boys' and students' suits and overcoats. Serial No. 404,146; June 21. Class 39.
Wilkening Manufacturing Company, Philadelphia, Pa. Piston rings, piston ring expanders, and valve packing. Serial No. 405,975; June 21. Class 35.
World's Fairest Co., New York, N. Y. Coats, suits, dresses, etc. Serial No. 401,954; June 21. Class 39.
Wolverine Knitting Mills, Bay City, Mich. Underwear and nightgowns and pajamas. Serial No. 405,832; June 21. Class 39.
Wulfsohn, Max, Inc., New York, N. Y. Soap. Serial No. 405,862; June 21. Class 4.

# LIST OF REGISTRANTS OF TRADE-MARKS

Aberfoyle, Inc., Norfolk, Va. Rayon piece goods. 357,985; June 21; Serial No. 403,028; published Apr. 12, 1938. Class 42.
Adams, Cushing & Foster, Inc., Boston, Mass. Paper and stationery. 123,410; renewed Nov. 12, 1938.
Aimé Distributing Co. (See Bolber, Alexander J.)
Alexander, Bertha, doing business as Madame Alexander and Alexander Doll Company, New York, N. Y. Dolls. 357,946; June 21; Serial No. 401,099; published Apr. 12, 1938. Class 22.
Alexander, Morris L., New York, N. Y. Watch and clock movements, dials, bridges, etc. 357,897; June 21; Serial No. 387,259; published Apr. 12, 1938. Class 27.
American Art Works, Inc., The, Coshocton, Ohio. Serving trays. 357,990; June 21; Serial No. 403,112; published Apr. 12, 1938. Class 2.
American Brakeblok Corporation, New York, N. Y., and Detroit, Mich., now by merger The American Brake Shoe and Foundry Company. Frictional elements for brakes and clutches. 358,008; June 21. Class 35.
American Brake Shoe and Foundry Company, The. (See American Brakeblok Corporation.)
Anderson Company, The, Gary, Ind. Automobile rear view mirrors, mountings therefor, and parts of said mountings. 357,903; June 21; Serial No. 395,467; published Apr. 12, 1938. Class 19.
Anglo-American Nitrogen Co. Ltd., The. (See Main, John J. D., assignor.)
Apalachee Packing Company, Inc., Apalachicola, Fla. Canned shrimp. 123,965; renewed Dec. 31, 1938.
Arden, Elizabeth, Inc. (See Lewis, Florence N., assignor.)
Artwise Kolor Company, Berkeley, Calif. Drawing inks and cartographic colors. 357,980; June 21; Serial No. 402,760; published Apr. 5, 1938. Class 11.
Baldwin Laboratories, Inc., Saegertown, Pa. Shoe white. 357,953; June 21; Serial No. 401,686; published Apr. 5, 1938. Class 4.
Beier, Ray, doing business as Beier's Laboratories, Milwaukee, Wis. Medicine. 358,019; June 21. Class 6.
Bello Co. (See Di Bello, Salvatore.)
Ben-Burk, Inc., Boston, Mass. Whiskey. 357,921; June 21; Serial No. 398,455; published Nov. 23, 1937. Class 49.
Bestov Products, Inc., New York, N. Y. Malt chocolate mixture in powder form. 357,929; June 21; Serial No. 399,819; published Jan. 25, 1938. Class 46.
Bohn Aluminum & Brass Corporation, Detroit, Mich. Casting alloys. 357,993; June 21; Serial No. 403,193; published Apr. 5, 1938. Class 14.

Bolber, Alexander J., doing business as Aimé Distributing Co., New York, N. Y. Soap flakes. 357,917; June 21; Serial No. 398,234; published Apr. 5, 1938. Class 4.
Bon Ton Baking Company, Petoskey, Mich. Bread, rolls, cakes, etc. 357,901; June 21; Serial No. 402,173; published Apr. 12, 1938. Class 46.
Brown Packing Company, Philadelphia, Pa. Frozen asparagus. 357,954; June 21; Serial No. 401,690; published Apr. 12, 1938. Class 46.
Bullock's, Inc., Los Angeles, Calif. Furniture. 358,009; June 21. Class 32.
Bullock's, Inc., Los Angeles, Calif. Draperies and rugs and carpets. 358,010; June 21. Class 42.
Bunyan, Paul, Inc., St. Paul, Minn. Shaving cream and shaving lotion. 357,899; June 21; Serial No. 390,294; published Apr. 5, 1938. Class 4.
Burke & James, Incorporated, Chicago, Ill. Cameras. 357,913–14; June 21; Serial Nos. 397,997–8; published Apr. 12, 1938. Class 26.
Burke & James, Incorporated, Chicago, Ill. Cameras. 357,915–6; June 21; Serial Nos. 398,000–1; published Apr. 12, 1938. Class 26.
Calderon, Victor M., Company, Inc., New York, N. Y. Canned sardines. 358,003; June 21. Class 46.
California Fig Growers and Packers, Inc., Fresno, Calif. Dried fruits. 357,974; June 21; Serial No. 402,553; published Apr. 12, 1938. Class 46.
Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. Steel in sheets and strips. 357,996; June 21; Serial No. 403,240; published Apr. 5, 1938. Class 14.
Carpenter Steel Company, The, Reading, Pa. Steel. 357,948; June 21; Serial No. 401,207; published Feb. 15, 1938. Class 14.
Cascade Sprayer Company, Inc., Seattle, Wash. Spraying machines. 358,018; June 21. Class 23.
Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. 357,991–2; June 21; Serial Nos. 403,162–3; published Apr. 12, 1938. Class 42.
Cellon-Werke Dr. Arthur Eichengrün Chemische Fabrik, Berlin-Charlottenburg, Germany. Plaster of Paris bandages. 357,943; June 21; Serial No. 400,831; published Apr. 12, 1938. Class 44.
Central Soap Company, St. Paul, Minn. Soap powder. 357,911; June 21; Serial No. 396,978; published Oct. 26, 1937. Class 4.
Chemical Borings Co. of America, Chicago, Ill. Iron fillings for the electrotyping trade. 357,926; June 21; Serial No. 399,557; published Apr. 5, 1938. Class 14.
Chemical Treating and Equipment Co. Inc., New York, N. Y. Piece goods of cotton sheeting, etc. 357,908; June 21; Serial No. 396,762; published Apr. 12, 1938. Class 50.
Chicago Smoked Fish Co., Chicago, Ill. Smoked fish and canned fish. 357,901; June 21; Serial No. 393,696; published Apr. 12, 1938. Class 46.
Clarke, Frederick D., Summit, N. J. Board game. 357,909; June 21; Serial No. 403,397; published Apr. 12, 1938. Class 22.
Clayton, Geo. W., Co., Chicago, Ill. Animal treating soaps. 357,912; June 21; Serial No. 397,645; published Mar. 8, 1938. Class 4.
Cling-Surface Company, Buffalo, N. Y. Preservative and filler for transmission belts and ropes. 357,951; June 21; Serial No. 401,555; published Apr. 5, 1938. Class 4.
Clipper Belt Lacer Company, Grand Rapids, Mich. Belt lacer pins. 357,963; June 21; Serial No. 402,249; published Apr. 12, 1938. Class 13.
Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, etc., piece goods. 357,994; June 21; Serial No. 403,197; published Apr. 12, 1938. Class 42.
Combustion Engineering Company, Inc., doing business as Raymond Pulverizer Division, Combustion Engineering Company, Inc., New York, N. Y., and Chicago, Ill. Pulverizing apparatus. 357,944; June 21; Serial No. 400,905; published Apr. 12, 1938. Class 23.
Continental Car-Na-Var Corporation, Brazil, Ind. Combination electric rug and carpet laundry machine. 357,927; June 21; Serial No. 399,634; published Jan. 4, 1938. Class 24.
Continental Gem Co. Inc., New York, N. Y. Tea and fruit juice strainers. 357,949; June 21; Serial No. 401,238; published Apr. 12, 1938. Class 13.
"Crime Preferred", Chicago, Ill. Parlor game. 357,942; June 21; Serial No. 400,755; published Apr. 12, 1938. Class 22.
Davis, H. B., Co., The, Baltimore, Md. Paints, paint enamels, stains, etc. 357,977; June 21; Serial No 402,626; published Apr. 12, 1938. Class 16.
De Muir Laboratories. (See Gamble, George.)
Di Bello, Salvatore, doing business as Bello Co., Philadelphia, Pa. Hair restorer and tonic. 358,005; June 21. Class 6.
Dixie-Vortex Company, Easton, Pa., and Chicago, Ill. Cartons or containers and dispensers for paper cups or similar articles. 358,012; June 21. Class 2.
Electro-Inhaler Co., Inc., The, Washington, D. C. Medical appliance. 357,978; June 21; Serial No. 402,701; published Apr. 12, 1938. Class 44.
Ellis, Eugene, Co., Inc., New Orleans, La. Light weight woolen piece goods. 357,894; June 21; Serial No. 380,705; published Apr. 12, 1938. Class 42.
Emery Food Company. (See Hammond, G. H., Company, The, assignor.)
Enduro-Tex Co., Inc., New York, N. Y. Food container covers or closures, made of oiled silk. 358,021; June 21. Class 50.
Evans, David G., Coffee Company. (See Meyer Bros. Coffee and Spice Co., assignor.)
Falernum, Fontana, Calif. Liqueur. 357,898; June 21; Serial No. 387,771; published Apr. 12, 1938. Class 49.
Federal Razor Blade Company, The, Newark, N. J. Razor blades. 357,896; June 21; Serial No. 385,785; published Feb. 9, 1937. Class 23.
Fielding, Rodney, New York, N. Y. Cotton piece goods. 357,983; June 21; Serial No. 402,940; published Apr. 12, 1938. Class 42.
Fox Grinders, Inc., Pittsburgh, Pa. Grinding wheels and grinding machinery. 357,904; June 21; Serial No. 395,707; published Mar. 22, 1938. Class 23.
Fraser & Company, New York, N. Y. Canned fruits. 357,934; June 21; Serial No. 400,297; published Feb. 8, 1938. Class 46.
Gamble, George, doing business as de Muir Laboratories, Boston, Mass. Compacts containing a facial pad or cleansing wafers. 358,013; June 21. Class 6.
General Mills, Inc., Minneapolis, Minn. Feeds. 357,947; June 21; Serial No. 401,182; published Apr. 12, 1938. Class 46.
Glidden Company, The, Cleveland, Ohio. Ready mixed paint. 357,933; June 21; Serial No. 400,004; published Apr. 5, 1938. Class 16.
Gould, Barbara, Inc., New York, N. Y. Toilet preparations. 358,014; June 21. Class 6.
Grand Rapids Fibre Cord Company, Grand Rapids, Mich. Paper twine and paper cord. 123,347; renewed Oct. 29, 1938.
Greater Boston Theatres Inc., Boston, Mass. Moving picture films. 357,940; June 21; Serial No. 400,626; published Apr. 12, 1938. Class 26.
Greenebaum, J., Tanning Co., Chicago, Ill., and Milwaukee, Wis. Leather. 357,995; June 21; Serial No. 403,207; published Apr. 12, 1938. Class 1.
Gross, L. N., Company, The, Cleveland, Ohio. Women's garments. 357,952; June 21; Serial No. 401,638; published Apr. 12, 1938. Class 39.
Hallenscheid & McDonald, Los Angeles, Calif. Bathroom wall accessories. 357,950; June 21; Serial No. 401,483; published Apr. 12, 1938. Class 13.
Hallenscheid & McDonald, Los Angeles, Calif. Bathroom wall accessories. 358,015; June 21. Class 13.
Hall Hardware Company, Minneapolis, Minn. Lawn mowers. 357,936; June 21; Serial No. 400,458; published Apr. 12, 1938. Class 23.
Hammond, G. H., Company, The, assignor to Emery Food Company, Chicago, Ill. Canned corn, peas, tomatoes, etc. 122,472; renewed Aug. 20, 1938.
Hammond Paint & Chemical Co., Inc., The, Beacon, N. Y. Insecticide. 358,017; June 21. Class 6.
Hillsdon, Watts, Ltd., Mascot, near Sydney, New South Wales, Australia. Seeds, plants, bulbs, etc. 123,240; renewed Oct. 22, 1938.
Hinds, O. L., Company, The, Burlington, Vt. Snow suits, ski suits, sport coats, etc. 357,932; June 21; Serial No. 399,929; published Jan. 18, 1938. Class 39.
Hotchkiss, E. H., Company, The, Norwalk, Conn. Stapling pliers. 357,905; June 21; Serial No. 395,714; published Nov. 16, 1937. Class 37.
Houston Milling Company, Houston, Tex. Wheat flour. 357,967; June 21; Serial No. 402,426; published Apr. 12, 1938. Class 46.
Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 358,004; June 21. Class 34.
Irvine & Cottom, Dillon, Mont. Seed potatoes. 357,986–7; June 21; Serial Nos. 403,050–1; published Apr. 12, 1938. Class 1.
Josef Knitted Fabrics Company, Inc., New York, N. Y. Piece goods. 357,962; June 21; Serial No. 402,190; published Apr. 12, 1938. Class 42.
Kaul, Leo, Chicago, Ill. Pottery flower and bud vases, pitchers, etc. 357,937; June 21; Serial No. 400,460; published Apr. 12, 1938. Class 30.
Kaustine Company, Inc., Perry, N. Y. Air heating and conditioning units. 357,939; June 21; Serial No. 400,602; published Apr. 12, 1938. Class 34.
Keasbey & Mattison Company, Ambler, Pa. Packings and gaskets. 358,002; June 21; Serial No. 403,097; published Apr. 12, 1938. Class 35.
King, Chandler, Chattanooga, Tenn. Soft drinks. 358,000; June 21; Serial No. 403,548; published Apr. 12, 1938. Class 45.
Krause, Friedrich W., doing business as Firma Max Krause, Hamburg, Germany. Axes, hatchets, pencil sharpeners, etc. 357,906; June 21; Serial No. 396,410; published Apr. 12, 1938. Class 23.
Laucks, I. F., Inc., Seattle, Wash. Cold water paints and calcimines. 357,984; June 21; Serial No. 402,945; published Apr. 5, 1938. Class 16.
Lawson Products, Inc., Central Falls, R. I. Fabrics. 357,919; June 21; Serial No. 396,360; published Apr. 12, 1938. Class 42.
Leas & McVitty, Inc., Philadelphia, Pa. Leather. 357,972; June 21; Serial No. 402,530; published Apr. 12, 1938. Class 1.
Lewis, Florence N., assignor to Elizabeth Arden, Inc., New York, N. Y. Toilet cream. 123,464; renewed Nov. 12, 1938.



Lion Manufacturing Corporation, Chicago, Ill. Unit for humidifying, circulating, and washing air. 357,973; June 21; Serial No. 402,532; published Apr. 12, 1938. Class 34.
London & Co., Inc., Elizabeth, N. J. Whiskey. 358,001; June 21; Serial No. 403,594; published Apr. 12, 1938. Class 49.
Loomtogs, Inc., New York, N. Y. Women's and misses' playsuits. 357,968; June 21; Serial No. 402,428; published Apr. 12, 1938. Class 39.
Lupo, Beatrice, doing business as Riviera Bed Jacket Co., New York, N. Y. Ladies' and children's jackets and children's negligee and robes. 357,981; June 21; Serial No. 402,622; published Apr. 12, 1938. Class 39.
Lyon, Charles A., Kansas City, Mo. Hose reels. 357,960; June 21; Serial No. 402,096; published Apr. 12, 1938. Class 13.
M. V. C. Laboratories, Inc., Toledo, Ohio. Manicure preparations. 358,022; June 21. Class 6.
Main, John J. D., assignor to The Anglo-American Nitrogen Co. Ltd., Leicester, England. Fertilisers. 123,465; renewed Nov. 12, 1938.
Maison Joubert, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 358,007; June 21. Class 6.
Manifold Supplies Company, New York, N. Y. Typewriter ribbons. 358,020; June 21. Class 11.
Medallion Cosmetic Co. (See Zimmermann, Henry.)
Meyer Bros. Coffee and Spice Co., assignor to David G. Evans Coffee Company, St. Louis, Mo. Roasted coffee. 122,899; renewed Sept. 24, 1938.
Meyerowich, Charles A., Stapleton, N. Y. Beverages, and syrups and extracts for making the same. 357,895; June 21; Serial No. 384,471; published July 6, 1937. Class 45.
Midway Chemical Co., Jersey City, N. J. Glass cleaning preparation. 357,979; June 21; Serial No. 402,736; published Apr. 5, 1938. Class 4.
Midwest Pop Corn Company, Cleveland, Ohio. Shelled pop corn. 357,976; June 21; Serial No. 402,602; published Apr. 12, 1938. Class 46.
Milbank, Leaman & Co., New York, N. Y. Piece goods. 357,960; June 21; Serial No. 393,343; published Apr. 12, 1938. Class 42.
Monllor & Boscio, Sucrs., S. en C., Ponce, P. R. Rum. 357,998; June 21; Serial No. 403,370; published Apr. 12, 1938. Class 49.
Oil Specialties & Refining Co. Inc., Brooklyn and New York, N. Y. Furniture and automobile polish. 357,955; June 21; Serial No. 401,699; published Apr. 12, 1938. Class 16.
Oil Specialties & Refining Co. Inc., Brooklyn and New York, N. Y. Polishing wax. 357,956; June 21; Serial No. 401,701; published Apr. 12, 1938. Class 16.
Olympic Knitting Mills, Inc., New York, N. Y. Knitted sweaters. 357,938; June 21; Serial No. 400,466; published Mar. 1, 1938. Class 39.
Paulson, Henry, Chicago, Ill. Jewelry boxes. 357,925; June 21; Serial No. 399,533; published Apr. 12, 1938. Class 2.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Piece goods. 357,988; June 21; Serial No. 403,057; published Apr. 12, 1938. Class 42.
Phosphate Mining Company, The, New York, N. Y. Fertilizer and fertilizer materials. 357,959; June 21; Serial No. 401,945; published Apr. 12, 1938. Class 10.
Pollock, Paul H., New York, N. Y. Nose drops. 358,016; June 21. Class 6.
Porter Paint Company, Louisville, Ky. Paints, colors in oil, and varnishes. 357,945; June 21; Serial No. 401,075; published Mar. 29, 1938. Class 16.
Prentiss, Polly, Inc., Sumter, S. C. Bedspreads, bath mats, etc. 357,930; June 21; Serial No. 399,897; published Apr. 12, 1938. Class 42.
Providence Braid Company, Pawtucket, R. I. Shoelaces, corset lacings, tapes, etc. 357,902; June 21; Serial No. 395,048; published Sept. 28, 1937. Class 40.
Raymond Pulverizer Division, Combustion Engineering Company, Inc. (See Combustion Engineering Company, Inc.)
Rhine, Joseph B., Durham, N. C. Series of extra sensory perception test cards. 357,918; June 21; Serial No. 398,259; published Apr. 12, 1938. Class 22.
Riviera Bed Jacket Co. (See Lupo, Beatrice.)
Rogers Bros. Seed Company, Chicago, Ill. Sheep feed. 358,006; June 21. Class 46.
Rosenthal, Herman, doing business as Seal Master, Ansonia, Conn. Flush valve balls. 357,958; June 21; Serial No. 401,918; published Apr. 12, 1938. Class 13.
Seal Master. (See Rosenthal, Herman.)
Semon Bache & Company, New York, N. Y. Adhesive mastic. 357,989; June 21; Serial No. 403,097; published Apr. 12, 1938. Class 5.
Sherwin-Williams Co., The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. 357,969; June 21; Serial No. 402,447; published Apr. 12, 1938. Class 16.
Sienkiewicz, Michal, New York, N. Y. Shoe polish. 357,975; June 21; Serial No. 402,576; published Apr. 12, 1938. Class 4.
Sno-White Manufacturing Co., Monongahela, Pa. Cleanser. 357,935; June 21; Serial No. 400,440; published Apr. 5, 1938. Class 4.
Springfield Leather Products Company, The, Springfield, Ohio. Pocket leather cases, card cases, pass cases, etc. 357,997; June 21; Serial No. 403,336; published Apr. 12, 1938. Class 3.
Standard Brands Incorporated, New York, N. Y. Gelatin. 357,922; June 21; Serial No. 398,548; published Jan. 4, 1938. Class 46.
Standard Brands Incorporated, New York, N. Y. Baking powder. 357,923; June 21; Serial No. 399,253; published Jan. 4, 1938. Class 46.
Standard Brands Incorporated, New York, N. Y. Vinegar. 357,957; June 21; Serial No. 401,876; published Apr. 12, 1938. Class 46.
Stein, Hall & Company, Inc., New York, N. Y. Stabiliser for milk products. 357,965; June 21; Serial No. 402,348; published Apr. 12, 1938. Class 46.
Superb Glove Co., The, Johnstown, N. Y. Ladies' leather gloves. 357,924; June 21; Serial No. 399,023; published Jan. 18, 1938. Class 39.
Swift and Company, Chicago, Ill. Beef, offal, pork, and mutton, Chilled and frozen. 122,045; renewed June 18, 1938.
Swift and Company, Chicago, Ill. Canned beef. 122,622; renewed Aug. 27, 1938.
Swift and Company, Chicago, Ill. Oleomargarin. 122,623; renewed Aug. 27, 1938.
Swift and Company, Chicago, Ill. Oleomargarin. 122,626; renewed Sept. 17, 1938.
Thresher Varnish Company, Dayton, Ohio. Paints, paint primers, paint enamels, etc. 357,907; June 21; Serial No. 396,618; published Apr. 5, 1938. Class 16.
Time Sales Service Bureau, Inc., Newark, N. J. Printed forms and account cards. 357,970; June 21; Serial No. 402,452; published Apr. 12, 1938. Class 37.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Threads and yarns. 122,951; renewed Oct. 1, 1938.
United Iron Works, Oakland, Calif. Fluid pumps, mining machinery. 357,892; June 21; Serial No. 373,940; published Apr. 12, 1938. Class 23.
United States Rubber Products, Inc., New York, N. Y. Rubber toys. 357,893; June 21; Serial No. 379,367; published Apr. 12, 1938. Class 22.
Valentine, Harold G., doing business as H. G. Valentine Co., Randolph, Mass. Compositions which are cleaners for automobiles, metals, glass, etc. 357,909; June 21; Serial No. 396,793; published Dec. 28, 1937. Class 4.
Van Camp Sea Food Co., Inc., Terminal Island, Calif. Fertilizer. 357,910; June 21; Serial No. 396,939; published Apr. 12, 1938. Class 10.
Van Raalte Company, New York, N. Y. Women's, misses', and children's silk underwear. 357,982; June 21; Serial No. 402,881; published Apr. 12, 1938. Class 39.
Velveray Corporation of America, New York, N. Y. Textile fabrics. 357,931; June 21; Serial No. 399,912; published Apr. 12, 1938. Class 42.
Vereinigte Deutsche Metallwerke A. G., Frankfort-on-the-Main, Germany. Metallic copper and copper manufactures. 357,941; June 21; Serial No. 400,737; published Apr. 5, 1938. Class 14.
Wheeling Corrugating Company, Wheeling, W. Va. Ferrous metal in sheet and strip form. 357,891; June 21; Serial No. 363,680; published Dec. 3, 1935. Class 14.
Whitehead Metal Products Company of New York, Inc., New York, N. Y. Sink tops and cabinets. 357,966; June 21; Serial No. 402,355; published Apr. 12, 1938. Class 13.
Whittenton Manufacturing Company, Boston, Mass. Piece goods. 357,971; June 21; Serial No. 402,494; published Apr. 12, 1938. Class 42.
Wiki-Wiki Company, Los Angeles, Calif., assignor to Wiki-Wiki Novelties, Muncie, Ind. Games. 357,920; June 21; Serial No. 398,446; published Apr. 12, 1938. Class 22.
Wile, Julius, Sons & Co., Inc., New York, N. Y. Bordeaux wines. 357,928; June 21; Serial No. 399,695; published Jan. 25, 1938. Class 47.
Wilson-Jones Company, Chicago, Ill. Loose leaf binders. 358,011; June 21. Class 37.
Young, Frederick H., assignor to Josephine A. Young, doing business as Frederick H. Young Company, Toledo, Ohio. Medicinal ointment and lotion, etc. 121,533; renewed Apr. 30, 1938.
Zimmermann, Henry, doing business as Medallion Cosmetic Co., New York, N. Y. Toilet soap. 357,904; June 21; Serial No. 402,284; published Apr. 5, 1938. Class 4.

# LIST OF REGISTRANTS OF LABELS

Alberts, M. M., Houston, Tex. Sumpen. For Kentucky Straight Bourbon Whiskey. 51,382; June 21.

Bird & Son, Inc., East Walpole, Mass. Jane Monroe. For Cartons. 51,383; June 21.

Bustelo Coffee Roasting Co. Inc., New York, N. Y. Best Orange Pekoe & Pekoe Ceylon Tea—Bustelo. For Tea. 51,384; June 21.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Putney—Dependable Shoes. For Shoes. 51,385; June 21.

Continental Steel Corporation, Kokomo, Ind. Continental Florist Wire. For Florist Wire. 51,386; June 21.

Demont Cosmetic Company, Chicago, Ill. Beach Girl Sun Tan Petals. For Individual Applicators Saturated with a Scientific Sun Screen Oil Which Filters Out the Rays that Burn. 51,387–8; June 21.

Foot Aid Company, Los Angeles, Calif. Foot Aid. For Salve Prepared for Treating the Feet for Corns, Calluses, Athlete Foot, Boils, Eczema, and Ringworms. 51,389; June 21.

Getteiman, A., Brewing Co., Milwaukee, Wis. Rathskeller Brew. For Beer. 51,390; June 21.

Gross, Malow and Swerdlow, Inc., Chicago, Ill. Ahead in Style. For Ladies' Hand Bags. 51,391; June 21.

H. & M. Co., San Diego, Calif. Bat 'Em Square. For Frozen Sweets. 51,392; June 21.

Hetogen Co., Inc., New York, N. Y. Hetogen. For a Counter-Irritant for Muscular Aches and Pains Caused by Cold, Damp, or Fatigue. 51,393; June 21.

Hoague-Sprague Corporation, Lynn, Mass. Carleton House Slippers. For House Slippers. 51,394; June 21.

Honorco, Inc., Chicago, Ill. Honor Brand. For Tomatoes. 51,395; June 21.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Latonia Club Carbonated & Lithiated Water (Club Soda). For Carbonated and Lithiated Water. 51,396; June 21.

Lipton, Thomas J., Inc., Hoboken, N. J.; Chicago, Ill.; and San Francisco, Calif. Lipton Choicest Young Hyson Tea (Green and Black). For Choicest Young Hyson Tea. 51,397; June 21.

Lipton, Thomas J., Inc., Hoboken, N. J.; Chicago, Ill.; and San Francisco, Calif. Lipton Mixed Choice Blended Black and Green Tea (Olive and Black). For Mixed Choice Blended Black and Green Tea. 51,398; June 21.

Lipton, Thomas J., Inc., Hoboken, N. J.; Chicago, Ill.; and San Francisco, Calif. Lipton Choicest Blend of Ceylon & India Orange Pekoe & Pekoe Tea (Yellow and Red). For Choicest Blend Ceylon and India Orange Pekoe and Pekoe Tea. 51,399; June 21.

Lucky Heart Laboratories, Inc., doing business as Lucky Heart Company, Memphis, Tenn. Lucky Heart Hair Dressing and Straightener. For a Hair Dressing and Straightener. 51,400; June 21.

Majestic Distilling Company, Incorporated, Baltimore, Md. Old Bolton. For Distilled Dry Gin. 51,401; June 21.

Majestic Distilling Company, Incorporated, Baltimore, Md. Old Bolton. For a Blend of Straight Whiskies. 51,402; June 21.

Majestic Distilling Company, Incorporated, Baltimore, Md. Old Bolton. For Straight Bourbon Whiskey. 51,403; June 21.

Majestic Distilling Company, Incorporated, Baltimore, Md. Old Bolton. For Reserve Kentucky Straight Bourbon Whiskey. 51,404; June 21.

Miner's, Inc., New York, N. Y. Gang Busters Disguise Kit by Miner's. For Disguise Kits. 51,405; June 21.

Minneapolis Cereal Company. (See Sunland Manufacturing Co.)

Oftedahl, Edwin N., Chicago, Ill. Pork Sausage Steak. For Pork Sausage Steak. 51,406; June 21.

Oftedahl, Edwin N., Chicago, Ill. Sauer Kraut Steak. For Sauer Kraut Steak. 51,407; June 21.

Page & Shaw Inc., Cambridge, Mass. Milk Chocolates. For Milk Chocolates. 51,408; June 21.

Rexarco Laboratories Company Inc., New York, N. Y. Rexarco. For a Rust Proofing Transparent Primer Surfacer. 51,409; June 21.

Royal, Thomas M., & Company, Philadelphia, Pa. Coffee. For Coffee. 51,410; June 21.

Sunland Manufacturing Co., doing business as Minneapolis Cereal Company, Minneapolis, Minn. Toasted Wheat Tasties. For Toasted Wheat. 51,411; June 21.

Tasty Krisp Products, Inc., Detroit, Mich. Tasty-Krisp Pop Corn. For Popcorn. 51,412; June 21.

Temple, Donald R., doing business as Toc's Products Company, Syracuse, N. Y. Temple's Ozonized Chlorine Solution (Toc's). For an Ozonized Chlorine Solution for Use in Laundry, Kitchen, Nursery, and Bath. 51,413; June 21.

Toc's Products Company. (See Temple, Donald R.)

Tucker, Tom, Beverage Company, Pittsburgh, Pa. Tom Tucker. For a Beverage. 51,414; June 21.

Union Bag & Paper Corporation, New York, N. Y. Design 174. For Coffee. 51,415; June 21.

Union Oil Company of California, Los Angeles, Calif. Union Stop Squeak. For a Product for Rubber Shackles and Rubber Encased Bearings and Mountings. 51,416; June 21.

Wavra, John, Chicago, Ill. Mary Lou. For Bread. 51,417; June 21.

Western Tablet & Stationery Corporation, Dayton, Ohio. Charlie McCarthy. For Loose Leaf Note Books. 51,418; June 21.

# LIST OF REGISTRANTS OF PRINTS

CookRite Utensils Distributing Company, Philadelphia, Pa. CookRite Nu Lid Whole Meal Cooker, Complete Instructions for Use and Care. For Aluminum Whole Meal Household Cooking Utensils. 16,891; June 21.

CookRite Utensils Distributing Company, Philadelphia, Pa. CookRite, a New, Better Method of Low-Heat Cooking with Nu-Lid Locking Safety Strainer Covers. For Aluminum Household Cooking Utensils. 16,892; June 21.

E-Z Thread Co., New York, N. Y. Pull E-Z Thread. For Thread. 16,893; June 21.

Enterprise Manufacturing Co., The, Akron, Ohio. Enjoy Life with Pflueger Fishing Tackle—Bait Action That Lures. Reel Action That Wins. For Fishing Tackle. 16,894; June 21.

Lowe, Joe, Corporation, New York, N. Y. Your Favorite Ice Cream Cheerio on a Stick 5¢. For Ice Cream on a Stick. 16,895; June 21.

Lowe, Joe, Corporation, New York, N. Y. We're on th' Radio with that Deliciously Coated Cheerio Ice Cream on the Stick. For Coated Ice Cream Confections on a Stick. 16,896; June 21.

Lowe, Joe, Corporation, New York, N. Y. Cheerio Delicious! Yor Favorite Ice Cream on a Stick. For Coated Ice Cream Confections on a Stick. 16,897; June 21.

Lowe, Joe, Corporation, New York, N. Y. I'll Tell Ya More on the Radio! Popsicle—Fudgicle—Creamsicle. For Frozen Confections on a Stick. 16,898; June 21.

Miles Shoes, Inc., New York, N. Y. Miles Candid Copies. For Shoes. 16,899; June 21.

Miles Shoes, Inc., New York, N. Y. Quality Counts. For Shoes. 16,900; June 21.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather. Leas & McVitty, Inc. 357,972; June 21; Serial No. 402,530; published Apr. 12, 1938.

Leather. J. Greenebaum Tanning Co. 357,995; June 21; Serial No. 403,207; published Apr. 12, 1938.

Seed potatoes. Irvine & Cottom. 357,986–7; June 21; Serial Nos. 403,050–1; published Apr. 12, 1938.

Seeds, plants, bulbs, etc. Hillsdon, Watts, Ltd. 123,240; renewed Oct. 22, 1938.

CLASS 2

Boxes, Jewelry. H. Paulson. 357,925; June 21; Serial No. 399,533; published Apr. 12, 1938.

Cartons or containers and dispensers for paper cups or similar articles. Dixie-Vortex Company. 358,012; June 21.

Trays, Serving. American Art Works, Inc. 357,990; June 21; Serial No. 403,112; published Apr. 12, 1938.

CLASS 3

Cases, card cases, pass cases, etc., Pocket leather. Springfield Leather Products Company. 357,907; June 21; Serial No. 403,336; published Apr. 12, 1938.

CLASS 4

Cleaning preparation, Glass. Midway Chemical Co. 357,979; June 21; Serial No. 402,736; published Apr. 5, 1938.





Cleanser. Sno-White Manufacturing Co. 357,935; June 21; Serial No. 400,440; published Apr. 5, 1938.

Compositions which are cleaners for automobiles, metals, glass, etc. H. G. Valentine. 357,909; June 21; Serial No. 396,793; published Dec. 28, 1937.

Polish, Shoe. M. Sienkiewicz. 357,975; June 21; Serial No. 402,576; published Apr. 12, 1938.

Preservative and filler for transmission belts and ropes. Cling-Surface Company. 357,951; June 21; Serial No. 401,555; published Apr. 5, 1938.

Shaving cream and shaving lotion. Paul Bunyan, Inc. 357,899; June 21; Serial No. 390,294; published Apr. 5, 1938.

Soaps, Animal treating. Geo. W. Clayton Co. 357,912; June 21; Serial No. 397,645; published Mar. 8, 1938.

Soap flakes. A. J. Bolber. 357,917; June 21; Serial No. 398,234; published Apr. 5, 1938.

Soap powder. Central Soap Company. 357,911; June 21; Serial No. 396,978; published Oct. 26, 1937.

Soap, Toilet. H. Zimmerman. 357,964; June 21; Serial No. 402,284; published Apr. 5, 1938.

White, Shoe. Baldwin Laboratories, Inc. 357,953; June 21; Serial No. 401,686; published Apr. 5, 1938.

CLASS 5

Mastic, Adhesive. Semon Bache & Company. 357,989; June 21; Serial No. 403,097; published Apr. 12, 1938.

CLASS 6

Astringents, astringent cerates, bleach creams, etc. Maison Joubert, Inc. 358,007; June 21.

Compacts containing a facial pad or cleansing wafers. G. Gamble. 358,013; June 21.

Cream, Toilet. F. N. Lewis. 123,464; renewed Nov. 12, 1938.

Hair restorer and tonic. S. Di Bello. 358,005; June 21.

Insecticide. Hammond Paint & Chemical Co., Inc. 358,017; June 21.

Manicure preparations. M. V. C. Laboratories, Inc. 358,022; June 21.

Medicine. R. Beier. 358,019; June 21.

Nose drops. P. H. Pollock. 358,016; June 21.

Ointment and lotion, etc., Medicinal. F. H. Young. 121,533; renewed Apr. 30, 1938.

Toilet preparations. Barbara Gould, Inc. 358,014; June 21.

CLASS 7

Twine and paper cord, Paper. Grand Rapids Fibre Cord Company. 123,347; renewed Oct. 29, 1938.

CLASS 10

Fertilizer. Van Camp Sea Food Co. 357,910; June 21; Serial No. 396,939; published Apr. 12, 1938.

Fertiliser and fertilizer materials. Phosphate Mining Company. 357,950; June 21; Serial No. 401,945; published Apr. 12, 1938.

Fertilizers. J. J. D. Main. 123,465; renewed Nov. 12, 1938.

CLASS 11

Inks and cartographic colors, Drawing. Artwise Kolor Company. 357,990; June 21; Serial No. 402,760; published Apr. 5, 1938.

CLASS 13

Accessories, Bathroom wall. Hallenscheid & McDonald. 358,015; June 21.

Pins, Belt lacer. Clipper Belt Lacer Company. 357,963; June 21; Serial No. 402,249; published Apr. 12, 1938.

Reels, Hose. C. A. Lyon. 357,960; June 21; Serial No. 402,096; published Apr. 12, 1938.

Sink tops and cabinets. Whitehead Metal Products Company of New York, Inc. 357,966; June 21; Serial No. 402,355; published Apr. 12, 1938.

Strainers, Tea and fruit juice. Continental Gem Co. Inc. 357,949; June 21; Serial No. 401,238; published Apr. 12, 1938.

Valve balls, Flush. H. Rosenthal. 357,958; June 21; Serial No. 401,918; published Apr. 12, 1938.

Wall accessories, Bathroom. Hallenscheid & McDonald. 357,950; June 21; Serial No. 401,488; published Apr. 12, 1938.

CLASS 14

Alloys, Casting. Bohn Aluminum & Brass Corporation. 357,993; June 21; Serial No. 403,193; published Apr. 5, 1938.

Copper and copper manufactures, Metallic. Vereinigte Deutsche Metallwerke A. G. 357,941; June 21; Serial No. 400,737; published Apr. 5, 1938.

Iron filings for the electrotyping trade. Chemical Borings Co. of America. 357,926; June 21; Serial No. 399,557; published Apr. 5, 1938.

Metal in sheet and strip form, Ferrous. Wheeling Corrugating Company. 357,991; June 21; Serial No. 363,680; published Dec. 3, 1935.

Steel. Carpenter Steel Company. 357,948; June 21; Serial No. 401,207; published Feb. 15, 1938.

Steel in sheets and strips. Carnegie-Illinois Steel Corporation. 357,996; June 21; Serial No. 403,240; published Apr. 5, 1938.

CLASS 16

Paints and calcimines, Cold water. I. F. Laucks, Inc. 357,964; June 21; Serial No. 402,945; published Apr. 5, 1938.

Paints, colors in oil, and varnishes. Porter Paint Company. 357,945; June 21; Serial No. 401,075; published Mar. 29, 1938.

Paints, paint enamels, lacquers, etc. Sherwin-Williams Co. 357,969; June 21; Serial No. 402,447; published Apr. 12, 1938.

Paints, paint enamels, stains, etc. H. B. Davis Co. 357,977; June 21; Serial No. 402,626; published Apr. 12, 1938.

Paints, paint primers, paint enamels, etc. Thresher Varnish Company. 357,907; June 21; Serial No. 396,618; published Apr. 5, 1938.

Paints, Ready mixed. Glidden Company. 357,933; June 21; Serial No. 400,004; published Apr. 5, 1938.

Polish, Furniture and automobile. Oil Specialties & Refining Co. Inc. 357,955; June 21; Serial No. 401,699; published Apr. 12, 1938.

Wax, Polishing. Oil Specialties & Refining Co. Inc. 357,956; June 21; Serial No. 401,701; published Apr. 12, 1938.

CLASS 19

Mirrors, mountings therefor, and parts of said mountings, Automobile rear view. Anderson Company. 357,903; June 21; Serial No. 395,467; published Apr. 12, 1938.

CLASS 20

Typewriter ribbons. Manifold Supplies Company. 358,020; June 21.

CLASS 22

Cards, Series of extra sensory perception test cards. J. B. Rhine. 357,918; June 21; Serial No. 398,259; published Apr. 12, 1938.

Dolls. B. Alexander. 357,946; June 21; Serial No. 401,099; published Apr. 12, 1938.

Game, Board. F. D. Clarke. 357,999; June 21; Serial No. 403,397; published Apr. 12, 1938.

Game, Parlor. "Crime Preferred". 357,942; June 21; Serial No. 400,755; published Apr. 12, 1938.

Games. Wiki-Wiki Company. 357,920; June 21; Serial No. 398,446; published Apr. 12, 1938.

Toys, Rubber. United States Rubber Products, Inc. 357,893; June 21; Serial No. 379,367; published Apr. 12, 1938.

CLASS 23

Axes, hatchets, pencil sharpeners, etc. F. W. Krause. 357,906; June 21; Serial No. 396,410; published Apr. 12, 1938.

Grinding wheels and grinding machinery. Fox Grinders, Inc. 357,904; June 21; Serial No. 395,707; published Mar. 22, 1938.

Laundry machine, Combination electric rug and carpet. Continental Car-Na-Var Corporation. 357,927; June 21; Serial No. 399,634; published Jan. 4, 1938.

Mowers, Lawn. Hall Hardware Company. 357,936; June 21; Serial No. 400,458; published Apr. 12, 1938.

Pulverizing apparatus. Combustion Engineering Company. 357,944; June 21; Serial No. 400,905; published Apr. 12, 1938.

Pumps, mining machinery, Fluid. United Iron Works. 357,892; June 21; Serial No. 373,940; published Apr. 12, 1938.

Razor blades. Federal Razor Blade Company. 357,896; June 21; Serial No. 385,785; published Feb. 9, 1937.

Spraying machines. Cascade Sprayer Company. 358,018; June 21.

CLASS 26

Cameras. Burke & James, Incorporated. 357,913–4; June 21; Serial Nos. 397,997–8; published Apr. 12, 1938.

Cameras. Burke & James, Incorporated. 357,915–6; June 21; Serial Nos. 398,000–1; published Apr. 12, 1938.

Films, Moving picture. Greater Boston Theatres Inc. 357,940; June 21; Serial No. 400,626; published Apr. 12, 1938.

CLASS 27

Watch and clock movements, dials, bridges, etc. M. L. Alexander. 357,897; June 21; Serial No. 387,259; published Apr. 12, 1938.

CLASS 30

Pottery flower and bud vases, pitchers, etc. L. Kaul. 357,937; June 21; Serial No. 400,460; published Apr. 12, 1938.

CLASS 32

Furniture. Bullock's, Inc. 358,009; June 21.

CLASS 34

Burners, Automatic coal. Iron Fireman Manufacturing Company. 358,004; June 21.

Heating and conditioning units, Air. Kaustine Company. 357,939; June 21; Serial No. 400,602; published Apr. 12, 1938.

Unit for humidifying, circulating, and washing air. Lion Manufacturing Corporation. 357,973; June 21; Serial No. 402,532; published Apr. 12, 1938.

CLASS 35

Frictional elements for brakes and clutches. American Brakeblok Corporation. 358,008; June 21.

Packings and gaskets. Keasbey & Mattison Company. 358,002; June 21; Serial No. 403,697; published Apr. 12, 1938.

CLASS 37

Binders, Loose leaf. Wilson-Jones Company. 358,011; June 21.
Forms and account cards, Printed. Time Sales Service Bureau, Inc. 357,970; June 21; Serial No. 402,452; published Apr. 12, 1938.
Paper and stationery. Adams, Cushing & Foster, Inc. 123,410; renewed Nov. 12, 1938.
Pliers, Stapling. E. H. Hotchkiss Company. 357,905; June 21; Serial No. 395,714; published Nov. 16, 1937.

CLASS 39

Garments, Women's. L. N. Gross Company. 357,952; June 21; Serial No. 401,638; published Apr. 12, 1938.
Gloves, Ladies' leather. Superb Glove Co. 357,924; June 21; Serial No. 399,023; published Jan. 18, 1938.
Jackets and children's negligee and robes, Ladies' and children's. B. Lupo. 357,981; June 21; Serial No. 402,822; published Apr. 12, 1938.
Playsuits, Women's and misses'. Loomtogs, Inc. 357,968; June 21; Serial No. 402,428; published Apr. 12, 1938.
Suits, ski suits, sport coats, etc., Snow. O. L. Hinds Company. 357,932; June 21; Serial No. 399,929; published Jan. 18, 1938.
Sweaters, Knitted. Olympic Knitting Mills, Inc. 357,938; June 21; Serial No. 400,466; published Mar. 1, 1938.
Underwear, Women's, misses' and chifdren's silk. Van Raalte Company. 357,982; June 21; Serial No. 402,881; published Apr. 12, 1938.
Woolen piece goods, Light weight. Eugene Ellis Co. 357,894; June 21; Serial No. 380,705; published Apr. 12, 1938.

CLASS 40

Shoes, laces, corset lacings, tapes, etc. Providence Braid Company. 357,902; June 21; Serial No. 395,048; published Sept. 28, 1937.

CLASS 42

Bedspreads, bath mats, etc. Polly Prentiss, Inc. 357,930; June 21; Serial No. 399,897; published Apr. 12, 1938.
Cotton piece goods. R. Fielding. 357,983; June 21; Serial No. 402,940; published Apr. 12, 1938.
Draperies and rugs and carpets. Bullock's, Inc. 358,010; June 21.
Fabrics. Lawson Products, Inc. 357,919; June 21; Serial No. 398,360; published Apr. 12, 1938.
Fabrics, Textile. Velveray Corporation of America. 357,931; June 21; Serial No. 399,912; published Apr. 12, 1938.
Piece goods. Josef Knitted Fabrics Company. 357,962; June 21; Serial No. 402,190; published Apr. 12, 1938.
Piece goods. Milbank, Leaman & Co. 357,900; June 21; Serial No. 393,343; published Apr. 12, 1938.
Piece goods. J. C. Penney Company. 357,988; June 21; Serial No. 403,057; published Apr. 12, 1938.
Piece goods. Whittenton Manufacturing Company. 357,971; June 21; Serial No. 402,494; published Apr. 12, 1938.
Piece goods, Cotton, rayon, acetate, etc. Cohn-Hall-Marx Co. 357,994; June 21; Serial No. 403,197; published Apr. 12, 1938.
Piece goods of cellulose derivatives. Celanese Corporation of America. 357,991–2; June 21; Serial Nos. 403,162–3; published Apr. 12, 1938.
Rayon piece goods. Aberfoyle, Inc. 357,985; June 21; Serial No. 403,028; published Apr. 12, 1938.

CLASS 43

Threads and yarns. Bernhard Ulmann Co. Inc. 122,951; renewed Oct. 1, 1938.

CLASS 44

Bandages, Plaster of Paris. Cellon-Werke Dr. Arthur Eichengrün Chemische Fabrik. 357,943; June 21; Serial No. 400,831; published Apr. 12, 1938.
Medical appliance. Electro-Inhaler Co. 357,978; June 21; Serial No. 402,701; published Apr. 12, 1938.

CLASS 45

Beverages, and sirups and extracts for making the same. C. A. Meyerowich. 357,895; June 21; Serial No. 384,471; published July 6, 1937.
Drinks, Soft. C. King. 358,000; June 21; Serial No. 403,548; published Apr. 12, 1938.

CLASS 46

Asparagus, Frozen. Brown Packing Company. 357,954; June 21; Serial No. 401,000; published Apr. 12, 1938.
Baking powder. Standard Brands Incorporated. 357,923; June 21; Serial No. 399,253; published Jan. 4, 1938.
Beef, offal, pork, and mutton, Chilled and frozen. Swift and Company. 122,045; renewed June 18, 1938.
Bread, rolls, cakes, etc. Bon Ton Baking Company. 357,961; June 21; Serial No. 402,173; published Apr. 12, 1938.
Canned beef. Swift and Company. 122,622; renewed Aug. 27, 1938.
Canned corn, peas, tomatoes, etc. G. H. Hammond Company. 122,472; renewed Aug. 20, 1938.
Canned fruits. Frazar & Company. 357,934; June 21; Serial No. 400,297; published Feb. 8, 1938.
Canned sardines. Victor M. Calderon Company. 358,003; June 21.
Canned shrimp. Apalachee Packing Company. 123,965; renewed Dec. 31, 1938.
Coffee, Roasted. Meyer Bros. Coffee and Spice Co. 122,899; renewed Sept. 24, 1938.
Feed, Sheep. Rogers Bros. Seed Company. 358,006; June 21.
Feeds. General Mills, Inc. 357,947; June 21; Serial No. 401,182; published Apr. 12, 1938.
Fish and canned fish, Smoked. Chicago Smoked Fish Co. 357,901; June 21; Serial No. 393,696; published Apr. 12, 1938.
Flour, Wheat. Houston Milling Company. 357,967; June 21; Serial No. 402,426; published Apr. 12, 1938.
Fruits, Dried. California Fig Growers and Packers, Inc. 357,974; June 21; Serial No. 402,553; published Apr. 12, 1938.
Gelatin. Standard Brands Incorporated. 357,922; June 21; Serial No. 398,548; published Jan. 4, 1938.
Malt chocolate mixture in powder form. Bestov Products, Inc. 357,929; June 21; Serial No. 399,819; published Jan. 25, 1938.
Oleomargarin. Swift and Company. 122,623; renewed Aug. 27, 1938.
Oleomargarin. Swift and Company. 122,828; renewed Sept. 17, 1938.
Pop corn, Shelled. Midwest Pop Corn Company. 357,976; June 21; Serial No. 402,602; published Apr. 12, 1938.
Stabilizer for milk products. Stein, Hall & Company. 357,965; June 21; Serial No. 402,348; published Apr. 12, 1938.
Vinegar. Standard Brands Incorporated. 357,957; June 21; Serial No. 401,876; published Apr. 12, 1938.

CLASS 47

Wines, Bordeaux. Julius Wile, Sons & Co. 357,928; June 21; Serial No. 399,695; published Jan. 25, 1938.

CLASS 49

Liqueur. Falernum. 357,898; June 21; Serial No. 387,771; published Apr. 12, 1938.
Rum. Monllor & Boscio, Sucrs., S. en C. 357,998; June 21; Serial No. 403,370; published Apr. 12, 1938.
Whiskey. Ben-Burk, Inc. 357,921; June 21; Serial No. 398,455; published Nov. 23, 1937.
Whiskey. London & Co. 358,001; June 21; Serial No. 403,594; published Apr. 12, 1938.

CLASS 50

Covers or closures, made of oiled silk, Food container. Euduro-Tex Co. 358,021; June 21.
Piece goods of cotton sheeting, etc. Chemical Treating and Equipment Co. Inc. 357,908; June 21; Serial No. 396,762; published Apr. 12, 1938.

## LIST OF LABELS

Ahead in Style. For Ladies' Hand Bags. Gross, Malow and Swerdlow, Inc. 51,391; June 21.
Bat 'Em Square. For Frozen Sweets. H. & M. Co. 51,392; June 21.
Beach Girl Sun Tan Petals. For Individual Applicators Saturated with a Scientific Sun Screen Oil Which Filters Out the Rays that Burn. Demont Cosmetic Company. 51,387–8; June 21.
Best Orange Pekoe & Pekoe Ceylon Tea—Bustelo. For Tea. Bustelo Coffee Roasting Co. Inc. 51,384; June 21.
Carleton House Slippers. For House Slippers. Hoague-Sprague Corporation. 51,394; June 21.
Charlie McCarthy. For Loose Leaf Note Books. Western Tablet & Stationery Corporation. 51,418; June 21.
Coffee. For Coffee. Thomas M. Royal & Company. 51,410; June 21.
Continental Florist Wire. For Florist Wire. Continental Steel Corporation. 51,386; June 21.
Design 174. For Coffee. Union Bag & Paper Corporation. 51,415; June 21.
Foot Aid. For Salve Prepared for Treating the Feet for Corns, Callouses, Athlete Foot, Boils, Eczema, and Ringworms. Foot Aid Company. 51,389; June 21.
Gang Busters Disguise Kit by Miner's. For Disguise Kits. Miner's, Inc. 51,405; June 21.



Hētogen. For a Counter-Irritant for Muscular Aches and Pains Caused by Cold, Damp, or Fatigue. Hētogen Co. 51,393; June 21.
Honor Brand. For Tomatoes. Honorco, Inc. 51,395; June 21.
Jane Monroe. For Cartons. Bird & Son, Inc. 51,383; June 21.
Kroger's Latonia Club Carbonated & Lithiated Water (Club Soda). For Carbonated and Lithiated Water. Kroger Grocery & Baking Company. 51,396; June 21.
Lipton Choicest Blend of Ceylon & India Orange Pekoe & Pekoe Tea (Yellow and Red). For Choicest Blend Ceylon and India Orange Pekoe and Pekoe Tea. Thomas J. Lipton, Inc. 51,399; June 21.
Lipton Choicest Young Hyson Tea (Green and Black). For Choicest Young Hyson Tea. Thomas J. Lipton, Inc. 51,397; June 21.
Lipton Mixed Choice Blended Black and Green Tea (Olive and Black). For Mixed Choice Blended Black and Green Tea. Thomas J. Lipton, Inc. 51,398; June 21.
Lucky Heart Hair Dressing and Straightener. For a Hair Dressing and Straightener. Lucky Heart Laboratories, Inc. 51,400; June 21.
Mary Lou. For Bread. J. Wavra. 51,417; June 21.
Milk Chocolates. For Milk Chocolates. Page & Shaw Inc. 51,408; June 21.
Old Bolton. For a Blend of Straight Whiskies. Majestic Distilling Company. 51,402; June 21.
Old Bolton. For Distilled Dry Gin. Majestic Distilling Company. 51,401; June 21.
Old Bolton. For Reserve Kentucky Straight Bourbon Whiskey. Majestic Distilling Company. 51,404; June 21.
Old Bolton. For Straight Bourbon Whiskey. Majestic Distilling Company. 51,403; June 21.
Pork Sausage Steak. For Pork Sausage Steak. E. N. Oftedahl. 51,406; June 21.
Putney—Dependable Shoes. For Shoes. M. B. Claff & Sons, Inc. 51,385; June 21.
Rathskeller Brew. For Beer. A. Gettelman Brewing Co. 51,390; June 21.
Rexarco. For a Rust Proofing Transparent Primer Surfacer. Rexarco Laboratories Company Inc. 51,409; June 21.
Sauer Kraut Steak. For Sauer Kraut Steak. E. N. Oftedahl. 51,407; June 21.
Sumpen. For Kentucky Straight Bourbon Whiskey. M. M. Alberts. 51,382; June 21.
Tasty-Krisp Pop Korn. For Popcorn. Tasty Krisp Products, Inc. 51,412; June 21.
Temple's Ozonized Chlorine Solution (Toc's). For an Ozonized Chlorine Solution for Use in Laundry, Kitchen, Nursery, and Bath. D. R. Temple. 51,413; June 21.
Toasted Wheat Tasties. For Toasted Wheat. Sunland Manufacturing Co. 51,411; June 21.
Tom Tucker. For a Beverage. Tom Tucker Beverage Company. 51,414; June 21.
Union Stop Squeak. For a Product for Rubber Shackles and Rubber Encased Bearings and Mountings. Union Oil Company of California. 51,416; June 21.

## LIST OF PRINTS

Cheerio Delicious! Your Favorite Ice Cream on a Stick. For Coated Ice Cream Confections on a Stick. Joe Lowe Corporation. 16,897; June 21.
CookRite, a New, Better Method of Low-Heat Cooking with Nu-Lid Locking Safety Strainer Covers. For Aluminum Household Cooking Utensils. CookRite Utensils Distributing Company. 16,892; June 21.
CookRite Nu Lid Whole Meal Cooker, Complete Instructions for Use and Care. For Aluminum Whole Meal Household Cooking Utensils. CookRite Utensils Distributing Company. 16,891; June 21.
Enjoy Life with Pflueger Fishing Tackle—Bait Action That Lures, Reel Action That Wins. For Fishing Tackle. Enterprise Manufacturing Co. 16,894; June 21.
I'll Tell Ya More on the Radio! Popsicle—Fudgicle—Creamsicle. For Frozen Confections on a Stick. Joe Lowe Corporation. 16,898; June 21.
Miles Candid Copies. For Shoes. Miles Shoes, Inc. 16,899; June 21.
Pull E-Z Thread. For Thread. E-Z Thread Co. 16,893; June 21.
Quality Counts. For Shoes. Miles Shoes, Inc. 16,900; June 21.
We're on th' Radio with that Deliciously Coated Cheerio Ice Cream on the Stick. For Coated Ice Cream Confections on a Stick. Joe Lowe Corporation. 16,896; June 21.
Your Favorite Ice Cream Cheerio on a Stick 5¢. For Ice Cream on a Stick. Joe Lowe Corporation. 16,895; June 21.

# LIST OF REISSUE PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 21ST DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alm, Karl M., Stockholm, Sweden, assignor to L. Scruggs, University City, Mo. Shaving apparatus. Re. 20,765; June 21.

Bénit, Henri, assignor to Compagnie Generale D'Electricite, Paris, France. Lead sheathed cable and protecting the lead against corrosion. Re. 20,766; June 21.

Compagnie Generale D'Electricite. (See Bénit, Henri, assignor.)

Finch, William G. H., Spuyten Duyvil, N. Y. Image broadcasting system. Re. 20,767; June 21.

General Electric Company. (See Tritle, John F., assignor.)

Helwig, Drew M., Raspeburg, assignor to The Glenn L. Martin Company. Gunner compartment. Re. 20,771; June 21.

Knauss, Edward, San Francisco, Calif., assignor, by mesne assignments, to Monarch Governor Company, Detroit, Mich. Governor. Re. 20,768; June 21.

Martin, Glenn L., Company, The. (See Helwig, Drew M., assignor.)

Mathieson Alkali Works, Inc., The. (See Soule, Edward C., assignor.)

Monarch Governor Company. (See Knauss, Edward, assignor.)

Scruggs, Loyd. (See Alm, Karl M., assignor.)

Soule, Edward C., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Manufacture of hydrogen peroxide. Re. 20,769; June 21.

Tritle, John F., Erie, Pa., assignor to General Electric Company. Electric switch. Re. 20,770; June 21.

# LIST OF PLANT PATENTEES

Michler Florist, Inc. (See Michler, Louis A., assignor.)

Michler, Louis A., Lexington, Ky., assignor to Michler Florist, Inc. Snapdragon. 281; June 21.

Salbach, Carl, assignor to E. S. Salback, Contra Costa County, Calif. Gladiolus. 280; June 21.

Salbach, Ella L. (See Salbach, Carl, assignor.)

# LIST OF DESIGN PATENTEES

Adlake Company, The. (See Stewart, Lemuel L., assignor.)

Aldrich, Ralph N., and A. H. Jaehne, assignors to Standard Oil Company of California, San Francisco, Calif. Building. 110,138; June 21.

American-National Company, The. (See Snell, Samuel A., assignor.)

Andrews, Jerome E., Andover, Mass. Shoe. 110,163; June 21.

Arenberg, Albert L., Highland Park, Ill. Lighting fixture. 110,164; June 21.

Arenberg, Albert L., Highland Park, Ill. Lighting fixture. 110,165; June 21.

Arzt, Emanuel L., Brooklyn, N. Y. Wrist-watch. 110,166; June 21.

Avon Shoe Co. (See Levin, David, assignor.)

Behr, Siegfried, Flushing, assignor to Ben Hur Products, Inc., New York, N. Y. Barrette. 110,167; June 21.

Ben Hur Products, Inc. (See Behr, Siegfried, assignor.)

Berg, Martin, New York, N. Y. Hat. 110,168; June 21.

Bloom, Morris, New York, N. Y. Dress. 110,169; June 21.

Bloomfield, Samuel, Chicago, Ill. Fruit juicer. 110,203; June 21.

Brindley, Leonard, assignor to The Hall China Company, East Liverpool, Ohio. Teapot. 110,170; June 21.

Chapman, David, Chicago, Ill., assignor to Knapp-Monarch Company, St. Louis, Mo. Electric bread toaster or the like. 110,139; June 21.

Chapman, David, Chicago, Ill., assignor to Knapp-Monarch Company, St. Louis, Mo. Sandwich toaster or similar article. 110,171; June 21.

Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. 110,204; June 21.

Cohn & Rosenberger, Inc. (See Geissmann, Robert, assignor.)

Coleman, Tora, New York, N. Y. Dress. 110,205; June 21.

Coleman, Tora, New York, N. Y. Dress. 110,206; June 21.

Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Tray or similar article. 110,207; June 21.

Darwin, Elizabeth, Hollywood, Calif. Device for cleaning silver and other ware. 110,172; June 21.

Dinstman, Joseph, New York, N. Y. Display box. 110,208; June 21.

Donchian, Paul S., Hartford, Conn. Lamp shade or similar article. 110,173; June 21.

Donchian, Paul S., Hartford, Conn. Lamp base or similar article. 110,174; June 21.

Donchian, Paul S., Hartford, Conn. Tray or similar receptacle. 110,175; June 21.

Donchian, Paul S., Hartford, Conn. Tray or similar receptacle. 110,176; June 21.

Donchian, Paul S., Hartford, Conn. Tray or similar receptacle. 110,177; June 21.

Engel, Alice, New York, N. Y. Jacket. 110,209; June 21.

Everson, Roy B., Chicago, Ill. Cabinet for a chlorinator. 110,210; June 21.

Fisken, Clarence P., assignor to General Motors Corporation, Detroit, Mich. Trophy. 110,211; June 21.

Fracchia, Pauline, New York, N. Y. Dress. 110,212; June 21.

Fuller, Walter L., assignor to Gibson, Inc., Kalamazoo, Mich. Hawaiian guitar. 110,178; June 21.

Gamble, Theolian, Des Moines, Iowa. Pitcher top or similar article. 110,140; June 21.

Geissmann, Robert, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch pin or similar article. 110,141; June 21.

Geissmann, Robert, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch pin or similar article. 110,142; June 21.

Geissmann, Robert, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch pin or similar article. 110,143; June 21.

General Motors Corporation. (See Fisken, Clarence P., assignor.)

General Theatres Equipment Corporation. (See Stillwell, Carl W., assignor.)

Gibson, Inc. (See Fuller, Walter L., assignor.)

Goughnour, Gretchen, York, assignor to L. P. Weil, Philadelphia, Pa. Flower holder. 110,144; June 21.

Goughnour, Gretchen, York, assignor to L. P. Weil, Philadelphia, Pa. Combined candlestick and flower holder. 110,145; June 21.

Goughnour, Gretchen, York, assignor to L. P. Weil, Philadelphia, Pa. Candelabra. 110,179; June 21.

Hall China Company, The. (See Brindley, Leonard, assignor.)

Hasenberg, Cornell D., Evansville, Ind. Drawer pull. 110,213; June 21.

Hasenberg, Cornell D., Evansville, Ind. Drawer pull. 110,214; June 21.

Henschel, Joseph, New York, N. Y. Coat. 110,215; June 21.

Hume, George B., Kansas City, Mo. Fountain shelf rack. 110,146; June 21.

Imperial Brass Manufacturing Company, The. (See McIntosh, Robert D., assignor.)

Jackson, Charles d'O. P., assignor to T. & H. Smith Limited, Edinburgh, Scotland. Medicine bottle. 110,180; June 21.

Jaehne, Alfred H. (See Aldrich, R. N., and Jaehne.)

Kalish, Beatrice C., New York, N. Y. Dress. 110,216; June 21.

Kell, Rudolph. (See Stoll, Henry C., assignor.)

Klotz, François, Asnieres, France, assignor to Pinaud Incorporated, New York, N. Y. Bottle. 110,147; June 21.

Knapp-Monarch Company. (See Chapman, David, assignor.)

Kushner, Jacob J., New York, N. Y. Dress. 110,217; June 21.
Lazow, Morris, Brooklyn, N. Y. Combined frozen confection and handle. 110,148; June 21.
Lehman, Herman B., New York, N. Y. Textile fabric. 110,181; June 21.
Levin, David, New York, N. Y. Shoe. 110,183; June 21.
Levin, David, assignor to Avon Shoe Co., New York, N. Y. Shoe. 110,182; June 21.
Lobel, Rudolph, New York, N. Y. Handbag. 110,184; June 21.
Lo Prete, Salvatore, New York, N. Y. Coat. 110,218; June 21.
Luckenbill, Emery D., Indianapolis, Ind. Brush. 110,185; June 21.
Lukenbill, Emery D., Indianapolis, Ind. Brush. 110,186; June 21.
Majewski, Joseph M., Jr., Kansas City, Mo. Grave marker. 110,219; June 21.
Mayer, Louis, New York, N. Y. Bracelet. 110,149; June 21.
McIntosh, Robert D., River Forest, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Automobile aerial. 110,150; June 21.
Meyer, Max C., Brooklyn, N. Y. Shirt display stand. 110,187; June 21.
Miller, Walter C., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa. Lace tablecloth. 110,151; June 21.
Minoff, Jack, Newark, N. J. Knitted fabric. 110,188; June 21.
Minoff, Jack, Newark, N. J. Knitted fabric. 110,189; June 21.
Minoff, Jack, Newark, N. J. Knitted fabric. 110,190; June 21.
Moore, Sidney A., assignor to The Prime Manufacturing Company, Milwaukee, Wis. Electric fence control casing. 110,152; June 21.
O'Brien, Elizabeth J., Boston, Mass. Shoe retainer. 110,191; June 21.
Otto, Ferdinand P., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa. Lace tablecloth. 110,153; June 21.
Otto, Ferdinand P., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa. Lace tablecloth. 110,154; June 21.
Otto, Ferdinand P., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa. Lace tablecloth. 110,192; June 21.
Owens-Illinois Can Company. (See Connor, Martha H., assignor.)
Pavelka, Joseph. (See Pavelka, Joseph, Jr., assignor.)
Pavelka, Joseph, Jr., assignor to J. Pavelka, St. Louis, Mo. Waffle iron. 110,193; June 21.
Pinaud Incorporated. (See Klotz, François, assignor.)
Porpora, Mary, New York, N. Y. Dress. 110,220; June 21.
Premium Products Mfg. Co. (See Schober, Ray A., assignor.)
Prime Manufacturing Company, The. (See Moore, Sidney A., assignor.)
Quaker Lace Company. (See Miller, Walter C., assignor.)
Quaker Lace Company. (See Otto, Ferdinand P., assignor.)
Quaker Lace Company. (See Wolf, William, assignor.)
Quarts, James, Newton, Mass. Box cover. 110,155; June 21.
Queen, Kathryn, Cleveland, Ohio. Doll. 110,221; June 21.
Reynolds Metals Company. (See Sunderhauf, Frederick A., assignor.)
Ritter, Saul, New York, N. Y. Bracelet chain. 110,222; June 21.
Rosenberg, Harry, New York, N. Y. Handbag. 110,194; June 21.
Rothenberg, Ludwig, New York, N. Y. Dress. 110,223; June 21.
Schakne, Harry T., New York, N. Y. Dress. 110,224; June 21.
Scheinberg, Isidore, Baltimore, Md. Portable lamp. 110,195; June 21.
Schober, Ray A., assignor to Premium Products Mfg. Co., Chicago, Ill. Lamp. 110,196; June 21.
Schutt, William A., Litchfield, Ill. Play ball goal. 110,225; June 21.
Shapiro, Robert, New York, N. Y. Toilet dressing hanger. 110,197; June 21.
Silverman, Jacob A., New York, N. Y. Coat. 110,156; June 21.
Sinko, John, Oak Park, Ill. Combined steering wheel knob and bracket. 110,157; June 21.
Smith, T. & H., Limited. (See Jackson, Charles D'O. P., assignor.)
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Velocipede frame member. 110,226; June 21.
Standard Oil Company of California. (See Aldrich, R. N., and Jaehne, assignors.)
Stewart, Lemuel L., Chicago, Ill., assignor to The Adlake Company. Lighting fixture or similar article. 110,198; June 21.
Stillwell, Carl W., Dobbs Ferry, assignor to General Theatres Equipment Corporation, New York, N. Y. Electric shaver. 110,158; June 21.
Stimps, John R., Shelby, Mont. Antenna for automobile radios. 110,199; June 21.
Stoll, Henry C., assignor of one-half to R. Kell, Bronx, N. Y. Foot rest. 110,227; June 21.
Sunderhauf, Frederick A., Rutherford, N. J., assignor to Reynolds Metals Company, Richmond, Va. Merchandise display rack. 110,200; June 21.
Taylor, William H., Seal Beach, Calif. Buoyant water board. 110,159; June 21.
Thoresen, Edwin H., assignor to William Thoresen Company, Chicago, Ill. Handle for a casket or the like. 110,228; June 21.
Thoresen, Edwin H., assignor to William Thoresen Company, Chicago, Ill. Handle for a casket or the like. 110,229; June 21.
Thoresen, Edwin H., assignor to William Thoresen Company, Chicago, Ill. Corner ornament for a casket or the like. 110,230; June 21.
Thoresen, William, Company. (See Thoresen, Edwin H., assignor.)
Truttman, Frank, Los Angeles, Calif. Ashtray. 110,160; June 21.
Tutsch, Ernest E., La Crosse, Wis. Ice cream dipper or similar article. 110,201; June 21.
Wagner, Mildred, New York, N. Y. Dress. 110,231; June 21.
Weil, Lewis P. (See Goughnour, Gretchen, assignor.)
Werner, Leo J., Arlington, N. J. Adjustable V-block. 110,202; June 21.
Wolf, William, assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa. Lace tablecloth. 110,161; June 21.
Wyner, Theres, New York, N. Y. Head covering. 110,162; June 21.
Zendman, Isaac, Jr., New York, N. Y. Lace. 110,232; June 21.
Zendman, Isaac, Jr., New York, N. Y. Lace. 110,233; June 21.
Zendman, Isaac, Jr., New York, N. Y. Lace. 110,234; June 21.

# LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 21ST DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrahani, Walter S. (See Lynn, E. K., and Abraham.)
Abrasive Company. (See Fischer, John F., assignor.)
Acken, Marshall F., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of diaryl amines. 2,120,968; June 21.
Acken, Marshall F., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of diaryl amines. 2,120,969; June 21.
Acme Chemical Company. (See Dickinson, Christmas O., assignor.)
Adams, Joy C., Fairfield, Conn., assignor to General Electric Company. Fruit juice extractor. 2,121,621; June 21.
Adamson, Arthur Q., Long Beach, Calif. Multiple purpose sewing equipment holder. 2,121,676; June 21.
Adler, Charles, Jr., Baltimore, Md. Signal. 2,121,276; June 21.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid compressor. 2,121,534; June 21.
Aktiengesellschaft für Holzveredlung. (See Schlesinger, Georg, assignor.)
Aktiengesellschaft für Stickstoffdünger. (See Winter, E., and Lückerath, assignors.)
Albrecht, Karl, Berlin-Niederschoneweide, and H. Böhik, Berlin-Friedenau, assignors to E. Blaterfeld, Radevormwald, Germany. Bearing. 2,121,277; June 21.
Alco Products, Inc. (See Coghill, Robert W., assignor.)
Alco Products Incorporated. (See Erter, John H., assignor.)
Allen, James G., Detroit, Mich., assignor to Bendix Products Corporation, South Bend, Ind. Carburetor. 2,120,970; June 21.
Allsop, Thomas, and W. W. Sibson, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Conveyer pole for drying machines or the like. 2,121,216; June 21.
Amalgamated Textiles, Ltd. (See Knaub, Ralph H., assignor.)
American Agricultural Chemical Company, The. (See Milligan, Charles H., assignor.)
American Can Company. (See Paynter, Horace J., assignor.)
American Chemical Paint Company. (See Romig, Gerald C., assignor.)
American Cyanamid Company. (See Christmann, Ludwig J., assignor.)
American Die & Tool Company. (See Robinson, Herbert M., assignor.)
American Geographical Society. (See Miller, Osborn M., assignor.)
American Machine & Foundry Company. (See Crighton, John, assignor.)
American Machine & Foundry Company. (See Tahir, Fayzi, assignor.)
American Machine and Metals Inc. (See de Bothezat, George, assignor.)
American Radiator Company. (See Cornell, Edward S., Jr., assignor.)
American Railway Products Co. (See Cooke, George T., assignor.)
American Rolling Mill Company, The. (See Hudson, Edwin B., assignor.)
American Rolling Mill Company, The. (See Millan, Edward N., assignor.)
American Steel and Wire Company of New Jersey, The. (See Stats, John, assignor.)
American Telephone and Telegraph Company. (See Bradford, Raymond C., assignor.)
American Telephone and Telegraph Company. (See Cowan, Frank A., assignor.)
American Telephone and Telegraph Company. (See Dunning, Sanford F., assignor.)
American Thermometer Company. (See Eskin, Samuel G., assignor.)
Amon, Fred H., Weston, assignor to Godfrey L. Cabot, Inc., Boston, Mass. Granular product and preparing the same. 2,121,535; June 21.
Andale Company. (See Jenkins, James M., assignor.)
Anderson, Emil E. W., and G. K. V. Johanson, Lidingo, assignors to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden. Respiration apparatus. 2,121,311; June 21.
Anderson, John W., Gary, Ind. Safety razor. 2,121,000; June 21.
Anderson, Milton B., and C. E. Swenson, Rockford, assignors to Borg-Warner Corporation, Chicago, Ill. Flexible coupling. 2,121,066; June 21.
Anderson, Roy L., Decorah, Iowa. License plate holder. 2,121,677; June 21.
Anderson, Swan F., Rockford, Ill. Formation and packaging of material. 2,121,065; June 21.
Anthracite Separator Company. (See Pardee, Frank, Jr., assignor.)
Arkell Safety Bag Company. (See Robinson, Francis T., assignor.)
Armor, Horace F., Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Footwear and sole material therefor. 2,121,678; June 21.
Arness, William B., assignor, by mesne assignments, to Rustless Iron and Steel Corporation of America, Baltimore, Md. Rustless iron. 2,121,001; June 21.
Arness, William B., assignor to Rustless Iron and Steel Corporation, Baltimore, Md. Noncorrodible alloy articles and making same. 2,121,391; June 21.
Arrow-Hart & Hegeman Electric Company. (See Guett, Monroe, assignor.)
Arthur, James F., Dickson, Pa. Cutting device. 2,120,960; June 21.
Arvin, James A., and G. L. Schwartz, assignor to Krafelt Corporation of America, Wilmington, Del. Floor covering. 2,121,679; June 21.
Arvin, James A., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating compositions. 2,121,680; June 21.
Ash, Park W. (See Flour, J. S., Jr., and Ash.)
Ashley, Frank M., Great Kills, assignor to L. Gompers, trustee, New York, N. Y. Fountain pen. 2,121,239; June 21.
Ashworth, Handel, Malverne, N. Y. Choke valve control. 2,121,392; June 21.
Associated Electric Laboratories, Inc. (See Johnson, Leith, assignor.)
Associated Electric Laboratories, Inc. (See Lomax, C. E., and Voss, assignors.)
Associated Electric Laboratories, Inc. (See Robinson, Harold C., assignor.)
Atlas Powder Company. (See Harrison, Leander H., assignor.)
Atlas Powder Company. (See Power, James T., assignor.)
Atlas Press Company. (See Collins, James G., assignor.)
Atlee, Zed J. (See Gross, M. J., and Atlee.)
Austin, Ellsworth W., Cedar Rapids, Iowa, assignor, by mesne assignments, to Killefer Manufacturing Corporation. Earth moving device. 2,121,240; June 21.
Autogiro Company of America. (See Bennett, James A. J., assignor.)
Automatic Drive & Transmission Company. (See Haupt, William E., assignor.)
Autoxygen, Inc. (See Kokatnur, V. R., and Plantinga, assignors.)
Babcock, Alfred R., Chicago, Ill. Nonrepeating indicator. 2,121,494; June 21.
Babcock, Eugene W., Woodlake, Nebr. Air conditioner. 2,121,278; June 21.
Babcock & Wilcox Company, The. (See Hollister, S. C., Trainer, and Kehoe, assignors.)
Bach, Ernest A., assignor of one-half to G. Wood, St. Louis, Mo. Flushing mechanism of tanks for water closets. 2,121,241; June 21.
Baernstein, Melvin A., assignor to National Pigments and Chemical Company, St. Louis, Mo. Cement and making the same. 2,121,557; June 21.
Bahls, Walter E., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Water jacket. 2,121,579; June 21.
Bailey, Arnold B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System and method of determining distance. 2,120,971; June 21.
Bailey, Bruce L. (See Ridgway, R. R., and Bailey.)
Baird, Dudley. (See Hartley, H. J., and Baird.)
Baker Castor Oil Company, The. (See Colbeth, Ivor M., assignor.)
Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)
Baker Oil Tools, Inc. (See Ragan, T. M., and Burt, assignors.)
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Cement retainer and bridge plug for well casings. 2,121,002; June 21.
Balfe, George T., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich. Cutting machine. 2,121,003; June 21.
Balfe, George T., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich. Method of cutting material. 2,121,004; June 21.
Ball, Donald A. (See Quick, C. G., Ball, and Whitehead.)
Ballard, Bernard T., Warren, Ohio, W. M. McNeil, Wheaton, and R. H. Hurd, Hinsdale, assignors to United States Gypsum Company, Chicago, Ill. Machine for manufacturing sized sheets of flattened expanded metal. 2,121,470; June 21.
Bancroft, Joseph, & Sons Co. (See Lippert, A. L., and Hall, assignors.)

Bankers Box Company. (See Fellowes, Harry L., assignor.)
Barber, Alfred W., Flushing, N. Y. Coupled circuits. 2,120,998; June 21.
Barbieri, Cesare, New York, N. Y. Apparatus for the separation of saturated and unsaturated hydrocarbons. 2,121,332; June 21.
Barclay, Robert E., assignor to Federal Electric Company, Inc., Chicago, Ill. Gaseous conduction device. 2,121,333; June 21.
Barish, Thomas, assignor to Marlin-Rockwell Corporation, Jamestown, N. Y. Clutch bearing mechanism. 2,121,418; June 21.
Barker, Jesse W., Geneva, N. Y. Range. 2,121,473; June 21.
Barnett, Otto R. (See Leray, Gustave, assignor.)
Barr, Lester S., Washington, D. C. Golf tee. 2,121,113; June 21.
Barron, Ray, Toronto, Ontario, Canada. Exhaust muffler. 2,121,242; June 21.
Barsky, George, New York, N. Y. Preparing an oil varnish. 2,121,334; June 21.
Barsky, George, New York, N. Y., and S. S. Gutkin, Irvington, N. J.; said Gutkin assignor to said Barsky. Making a varnish base. 2,121,335; June 21.
Bartol, George E., Jr., Wynnewood, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J. Manufacture of pen points. 2,121,542; June 21.
Bass, Shailer L., and E. M. Van Duzee, deceased, by C. H. Macomber, administrator, assignors to The Dow Chemical Company, Midland, Mich. Aralkyl ethers. 2,121,723; June 21.
Bass, Shailer L., and E. M. Van Duzee, deceased, by C. H. Macomber, administrator, assignors to The Dow Chemical Company, Midland, Mich. Aralkyl ethers of ethyl-phenol compounds. 2,121,724; June 21.
Bassett, Joseph A., North Fork, Nev. Sheet material cutter. 2,121,681; June 21.
Bath, John & Company. (See Bath, Russell F., assignor.)
Bath, Russell F., Shrewsbury, assignor to John Bath & Company, Worcester, Mass. Bottoming tap. 2,121,380; June 21.
Baumzweiger, Benjamin, Cincinnati, assignor of one-half to F. E. Hauss, Norwood, Ohio. Condenser tester. 2,121,725; June 21.
Baxter Laboratories, Inc. (See Erikson, E. W., and Nesset, assignors.)
Bayerl, Karl J., Willoughby, Ohio. System for transporting freight. 2,121,181; June 21.
Bean, Robert F., Bridgeport, Conn., assignor to General Electric Company. Juice extractor. 2,121,622; June 21.
Bearium Metals Corporation. (See Langworthy, Edward P., assignor.)
Beck, George, Irvington, N. J. Fish lure. 2,121,114; June 21.
Beck, George, Irvington, N. J. Trolling ballast. 2,121,279; June 21.
Beckler, Oakley K., Dallas, assignor, by mesne assignments, of seventy-two and one-half percent to J. H. Reynolds, Cisco, twenty two and one-half per cent to M. H. Rowe and five per cent to J. A. Schley, Dallas, Tex. Electrical circuit breaker. 2,121,243; June 21.
Beede, Herbert G., Pawtucket, R. I. Tank cover construction. 2,120,961; June 21.
Beers, George L., Collingswood, N. J., assignor to Radio Corporation of America. Automatic volume control circuits. 2,120,999; June 21.
Beitman, Albert B., Cleveland Heights, assignor to The French Renovating Company, Cleveland, Ohio. Scrubbing machine for floors and floor coverings. 2,121,649; June 21.
Belar, Herbert. (See Klinedinst, M. S., Cunby, and Belar.)
Belden, Albert G., assignor to Norton Company, Worcester, Mass. Work supporting and rotating mechanism. 2,121,726; June 21.
Bell, Joseph D., San Francisco, Calif. Twin bed couch. 2,120,962; June 21.
Bell Telephone Laboratories, Incorporated. (See Bailey, Arnold B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Blake, Foster B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Blount, Frank E., assignor.)
Bell Telephone Laboratories, Incorporated. (See De Lange, Owen E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dietze, E., and Foley, assignors.)
Bell Telephone Laboratories, Incorporated. (See Dudley, Homer W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hunt, Franklin L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Melhose, Alfred E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Pfannenstiehl, Harry, assignor.)
Bell Telephone Laboratories, Incorporated. (See Tidd, Warren H., assignor.)
Bell, William C., Wolverhampton, England, assignor to Stewarts and Lloyds Limited, Glasgow, Scotland, manufacture of steel or other metal billets, bars, or the like. 2,121,280; June 21.
Belmont Radio Corporation. (See Marholz, Richard C., assignor.)
Belmont Radio Corporation. (See Wronke, Louis J., assignor.)
Benoix Aviation Corporation. (See Frank, Frederick C., assignor.)
Bendix Aviation Corporation. (See James, William S., assignor.)
Bendix Aviation Corporation. (See Lempereur, M., and Vincent, assignors.)
Bendix Products Corporation. (See Allen, James G., assignor.)
Bener, Christian, Chur, assignor to the firm Raduner & Co. A.-G., Horn, Switzerland. Producing textiles with calender finish permanent to washing and product thereof. 2,121,005; June 21.
Bener, Christian, Chur, assignor to the firm Raduner & Co. A.-G., Horn, Switzerland. Rendering textiles resistive against shrinking and product thereof. 2,121,006; June 21.
Benjamin, Abraham S., assignor to Teletype Corporation, Chicago, Ill. Selective signaling system. 2,121,182; June 21.
Benjamin Electric Mfg. Company. (See Phillips, Paul D., assignor.)
Bennett, James A. J., Genista, Newton Mearns, Scotland, assignor to Autogiro Company of America, Willow Grove, Pa. Aircraft sustaining rotor. 2,121,536; June 21.
Berg, Charles C., assignor to Beryl Metals Company, Inc., Spokane, Wash. Smelting furnace. 2,121,465; June 21.
Bergdoll, John G., assignor to York Ice Machinery Corporation, York, Pa. Condenser system for railway cars. 2,121,115; June 21.
Beringer, Paul, Ballantine, Mont. Salt shaker. 2,121,116; June 21.
Berliner, Julius F. T., and C. Sly, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of oiticica oil and product therefrom. 2,121,580; June 21.
Berman, Michael, and T. C. Zinter, assignors to Hewitt Rubber Corporation, Buffalo, N. Y. Conveyer belt. 2,121,650; June 21.
Bertrand, Joseph T., Isle Verte, Quebec, Canada. Refrigerating device. 2,121,381; June 21.
Beryl Metals Company. (See Berg, Charles C., assignor.)
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,121,007; June 21.
Bicknel, Ralph N., Bangor, Maine. Regulating valve for refrigerating systems. 2,121,312; June 21.
Bilhuber, Paul H., Douglaston, N. Y. Acoustic translating device. 2,121,008; June 21.
Binapfl, Josef, Krefeld-Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of condensation products of dicarboxylic acid anhydrides. 2,121,183; June 21.
Binney, Charles A., Hornell, assignor, by mesne assignments, to The Standard Stoker Company, Inc. (1922), New York, N. Y. Distributor head for stokers. 2,121,313; June 21.
Binney, Eric A. (See Mardis, P. L., and Binney.)
Birdseye, Clarence, Gloucester, and C. K. Reiman, Newton, assignors to Birdseye Electric Company, Gloucester, Mass. Reflecting electric lamp. 2,121,314; June 21.
Birdseye Electric Company. (See Birdseye, C., and Reiman, assignors.)
Birdseye Electric Company. (See Reiman, C. K., and Cook, assignors.)
Biro, Carl G., Marblehead, Ohio. Power meat band saw. 2,120,963; June 21.
Bisterfeld, Ernst. (See Albrecht, K., and Böhlk, assignors.)
Black, Wayne C., Elyria, assignor to The Ridge Tool Company, North Ridgeville, Ohio. Valve washer. 2,121,315; June 21.
Blake, Forest B., Mountain View, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call distributing telephone system. 2,121,419; June 21.
Blankenbuehler, John H., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reversing switch for dynamo-electric machines. 2,121,581; June 21.
Bledsoe, Oscar F., Greenwood, Miss. Storing cotton and the like. 2,121,495; June 21.
Bletz, Edward, Lexington, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermostat. 2,121,582; June 21.
Block, Harold C. (See Layne, L. A., Roco, and Block.)
Blount, Frank E., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Converting system. 2,120,972; June 21.
Bobek, Karl, Falkensee, Germany, assignor to General Electric Company. Dynamo-electric machine. 2,121,623; June 21.
Böhlk, Heinrich. (See Albrecht, K., and Böhlk.)
Bonded Scale Company. (See Flumerfelt, William A., assignor.)
Boot's Pure Drug Company Limited. (See Pyman, F. L., and Levene, assignors.)
Borg-Warner Corporation. (See Anderson, M. B., and Swenson, assignors.)
Bosque, José V., Habana, Cuba. Faucet. 2,121,281; June 21.
Boucher, Parks, Antlers, Okla. Filler rod holder. 2,121,682; June 21.
Bowden, Charles L., Valparaiso, Ind. Two-cycle engine. 2,121,727; June 21.





Bowen, Kenneth H., and E. B. Carlson, assignors to Columbian Rope Company, Auburn, N. Y. Fiber bodies and producing same. 2,121,496; June 21.
Bowering, Allan G., Heuvelton, N. Y. Bait. 2,121,474; June 21.
Bowers, Frank. (See Thomas, W. P., Bowers, and Cox.)
Boyd, Carl C., Rock Island, Ill. Blowtorch and attachments. 2,121,728; June 21.
Bradford, Raymond C., Hamden, Conn., assignor to American Telephone and Telegraph Company. Combined telephone and fire alarm system. 2,121,282; June 21.
Brandt, David G., Westfield, assignor to Power Patents Company, Hillside, N. J. Removing asphalt from asphalt base oils. 2,121,517; June 21.
Braun, Matthäus, Frankfort-on-the-Main, Germany. Coppering of seamless tubes. 2,121,393; June 21.
Breth, Ferdinand W., New York, N. Y., and A. Kinsel, Petrolia, Pa., assignors to L. Sonneborn Sons, Inc. Purifying petrolatum. 2,121,518; June 21.
Bretschneider, Curt, Philadelphia, assignor of twenty-five percent to C. A. Hatfield, North Wales, Pa. Oscillatory valve for internal combustion engines. 2,121,768; June 21.
Bricker, Abraham H., Brooklyn, N. Y. Bifocal eyeglass mounting. 2,121,336; June 21.
Brierley, Edgar. (See Holt, H., and Brierley.)
Britten, Edward F., Jr., Short Hills, assignor to Gardner Company, Orange, N. J. Calculating machine. 2,121,683; June 21.
Britton, Edgar C., and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Stabilizing vinylidene chloride. 2,121,009; June 21.
Britton, Edgar C., and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Stabilizing vinylidene chloride. 2,121,010; June 21.
Britton, Edgar C., and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Stabilizing vinylidene chloride. 2,121,011; June 21.
Britton, Edgar C., and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Stabilizing vinylidene chloride. 2,121,012; June 21.
Broderick, Sylvester J. (See Kittredge, H. G., and Broderick.)
Brodersen, Karl, and A. Peters, Dessau-in-Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing mixed fibers. 2,121,337; June 21.
Brouhiet, Georges, Paris, France. Chassis-frame for automobile vehicles. 2,121,497; June 21.
Brown, Charles H., Brooklyn, N. Y., and W. V. B. Roberts, Princeton, N. J., assignors to Radio Corporation of America. Double cathode electron discharge device and circuits. 2,121,067; June 21.
Brown Instrument Company, The. (See Harrison, Thomas R., assignor.)
Brown, Joseph H., Brooklyn, N. Y., assignor to Celluloid Corporation. Article and material containing organic derivatives of cellulose. 2,121,013; June 21.
Brown, Roy L., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Transformer tank structure. 2,121,583; June 21.
Brubaker, Merlin M., Wilmington, Del., and L. P. Hubbuch, Springfield, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial leather. 2,121,684; June 21.
Buckley, John P., Washington, D. C. Telemetric broadcasting and recording apparatus. 2,121,184; June 21.
Buckner, William A., Fresno, Calif. Quick coupling valve with resilient cover. 2,121,244; June 21.
Buechler, John A., Victoria, Tex. Pump lining. 2,121,068; June 21.
Burgess, C. F., Laboratories, Inc. (See Schulte, Walter B., assignor.)
Burk, Robert E., and E. C. Hughes, assignors to The Standard Oil Company (Ohio), Cleveland, Ohio. Apparatus for dewaxing oils. 2,121,420; June 21.
Burt, Alexander D., Narberth, Pa., assignor to Radio Corporation of America. Vibrator power supply system. 2,121,421; June 21.
Burt, Clarence E. (See Ragan, T. M., and Burt.)
Cabot, Godfrey L., Inc. (See Amon, Fred H., assignor.)
California Typewriter & Adding Machine Co. (See Marran, Martin J., assignor.)
Calkins, Chauncey L., assignor to L. A. Ederer, Chicago, Ill. Electrical set-up mechanism. 2,121,584; June 21.
Cameron, William J., Chicago, Ill. Visual indicator for ascertaining conditions of the circulatory system. 2,121,014; June 21.
Campbell, Donald J., Muskegon Heights, Mich. Internal combustion engine cooling system. 2,121,015; June 21.
Canadian Electro Products Company. (See Wisdom, Stuart A., assignor.)
Cannon & Co. (See Padva, P., and Cannon, assignors.)
Cannon, Lloyd J. (See Padva, P., and Cannon.)
Cantrell, Troy L., Lansdowne, Pa., and J. O. Turner, Bartlesville, Okla., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Azo dyes derived from beta-naphthol. 2,121,016; June 21.
Cantrell, Troy L., and J. O. Turner, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Beta-naphthol monoazo alkoxy-nitrophenyl dyes. 2,121,017; June 21.
Carew, Herman, assignor to Dixie-Vortex Company, Easton, Pa. Container and closure therefor. 2,121,394; June 21.
Carleton, Emile J. (See Morin, G. G., and Carleton.)
Carlson, Ernest B. (See Bowen, K. H., and Carlson.)
Carter, Edward B. (See Carter, M., assignor, and Heinz.)
Carter, Mitchell, and G. Heinz, Trenton, N. J.; said Carter assignor to E. B. Carter, Morrisville, Pa. Ceramic. 2,121,018; June 21.
Casco Products Corporation. (See Cohen, Joseph H., assignor.)
Casco Products Corporation. (See Johnson, Arthur A., assignor.)
Case, Arthur B., Snomac, Okla., assignor to The Texas Company, New York, N. Y. Shut-down device for well pumping engines. 2,121,316; June 21.
Celanese Corporation of America. (See Moncriegg, R. W., and North, assignors.)
Celluloid Corporation. (See Brown, Joseph H., assignor.)
Chadwick, Cecil G., West New York, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Welding flux. 2,121,770.
Challet, Etienne, Paris, France, assignor of one-quarter to Entreprises Electriques Fribourgeoises, Fribourg, Switzerland. Insulating member for electric heating elements. 2,121,283; June 21.
Challet, Etienne, Paris, France, assignor of one-quarter to Entreprises Electriques Fribourgeoises, Fribourg, Switzerland. Oven door. 2,121,284; June 21.
Charnley, Walter J., Omaha, Nebr. Grain puffing equipment. 2,120,964; June 21.
Chase Brass & Copper Co. Incorporated. (See Shoemaker, Richard W., assignor.)
Chase Companies, The. (See Coe, J. S., and Mulholland, assigno..)
Cheney, Charles W., Soho, Birmingham, England. Attachment of fastenings and fittings to suitcases and the like. 2,121,422; June 21.
Chirelstein, Nathan, Newark, N. J. Plug. 2,121,338; June 21.
Christensen, Hyrum D., Wilford C. La Rue, Oakland, and V. E. Zackerson, Alameda, Calif. Amalgamator. 2,120,965; June 21.
Christiansen, Walter G., Glen Ridge, and W. A. Lott, East Orange, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Purification of ether. 2,121,019; June 21.
Christmann, Ludwig J., Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y. Manufacture of high grade sodium cyanide. 2,121,020; June 21.
Cinch Manufacturing Corporation. (See Del Camp, Scipione M., assignor.)
Cities Service Oil Company. (See Suit, George A., assignor.)
Claff, Clarence L., Randloph, Mass. Candy. 2,121,185; Clark, Max J., Pontiac, Mich. Material handling apparatus for machine operations. 2,120,966; June 21.
Clauss, Julius A., Detroit, and D. E. McGuire, Wyandotte, assignors to Great Lakes Steel Corporation, Ecorse, Mich. Pickling tank structure. 2,121,139; June 21.
Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Switch. 2,121,651; June 21.
Coe, John S., and W. M. Mulholland, assignors to The Chase Companies, Incorporated, Waterbury, Conn. Installing a tubular system. 2,121,538; June 21.
Coghill, Robert W., New York, N. Y., assignor to Alco Products, Inc. Furnace construction. 2,121,537; June 21.
Cohen, Joseph H., assignor to Casco Products Corporation, Bridgeport, Conn. Fender guide. 2,121,317; June 21.
Colbeth, Ivor M., East Orange, N. J., assignor, to The Baker Castor Oil Company, New York, N. Y. Testing device for wetting agents. 2,121,423; June 21.
Cole, George R., Port Huron, Mich. Sign painter's table. 2,121,140; June 21.
Cole, Raymond A., assignor to Norton Company, Worcester, Mass. Sizing apparatus for internal grinding machines. 2,121,729; June 21.
Cole, Raymond A., assignor to Norton Company, Worcester, Mass. Grinding machine-work loading and driving mechanism. 2,121,730; June 21.
Collings, William R., assignor to The Dow Chemical Company, Midland, Mich. Cellulose ether recovery. 2,121,731; June 21.
Collings, William R., assignor to The Dow Chemical Company, Midland, Mich. Cellulose ether recovery. 2,121,732; June 21.
Collins, James G., assignor to Atlas Press Company, Kalamazoo, Mich. Circular saw. 2,121,069; June 21.
Colombo, Walter M., Springfield, N. J. Liquid-measuring and dispensing device. 2,121,424; June 21.
Colt's Patent Fire Arms Manufacturing Company. (See Conner, Benjamin F., assignor.)
Columbian Rope Company. (See Bowen, K. H., and Carlson, assignors.)
Cone, Ralph R., Chicago, Ill., assignor to H. Milbank, New York, N. Y. Fabric. 2,121,285; June 21.
Conkling, Samuel G., Brooklyn, N. Y. Shock absorber. 2,121,339; June 21.
Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Jar. 2,121,382; June 21.
Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Cosmetic container. 2,121,383; June 21.
Conover, Richard E., Deer Park, Ohio. Electronic timer. 2,121,117; June 21.

Conrad, Frank, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Time switch. 2,121,585; June 21.
Continental Can Company. (See O'Neil, James H., assignor.)
Cook, Joseph F., Jr. (See Reiman, C. K., and Cook.)
Cooke, George T., Norwalk, assignor, to American Railway Products Co., Inc., Darien, Conn. Cotter pin. 2,121,425; June 21.
Cooper, Bernard H., Cleveland, Ohio. Beverage container. 2,121,118; June 21.
Cooper, Gerald M., Findlay, Ohio. Door. 2,121,395; June 21.
Cooper, Harold E., Kettering, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Take-up mechanism for sewing machines. 2,121,652; June 21.
Cooper, Nelson D., Mariemont, Cincinnati, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,121,586; June 21.
Cordes, Ferdinand, Los Angeles, Calif. Portable electrically controlled tapper. 2,121,286; June 21.
Corkery, Frank W., Clairton, Pa., assignor to Pennsylvania Industrial Chemical Corporation. Coating composition. 2,121,475; June 21.
Cornell, Edward S., Jr., Larchmont, assignor to American Radiator Company, New York, N. Y. Window defroster. 2,121,753; June 21.
Cornell, Edward S., Jr., Larchmont, assignor to American Radiator Company, New York, N. Y. Defroster. 2,121,754; June 21.
Cornwell, Ralph T. K., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Printing and article resulting therefrom. 2,121,021; June 21.
Cornwell, Ralph T. K., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Marked article and producing the same. 2,121,022; June 21.
Cornwell, Ralph T. K., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Moistureproofing wrapping materials. 2,120,023; June 21.
Cottrell, Frederick G., Washington, D. C., assignor to Research Corporation, New York, N. Y. Purifying gases and apparatus therefor. 2,121,733; June 21.
Cowan, Frank A., New York, N. Y., assignor to American Telephone and Telegraph Company. Composite set. 2,121,287; June 21.
Cowles, Irving, Detroit, Mich., assignor to himself and R. W. Lotz, Chicago, Ill., as co-trustees. Flexible conduit connection. 2,121,624; June 21.
Cox, Joseph F., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Bag-frame structure. 2,121,519; June 21.
Cox, Joseph H. (See Kilgore, L. A., and Cox.)
Cox, Samuel F. (See Thomas, W. P., Bowers, and Cox.)
Crago, Harry R., Caldwell, N. J., assignor to General Electric Company. Heating and cooling system. 2,121,625; June 21.
Crandall, John P., Buffalo, N. Y. Machine for delivering measured charges of fluent material. 2,121,070; June 21.
Crighton, John, London, England, assignor to American Machine & Foundry Company, New York, N. Y. Packing of cigarettes and the like. 2,121,187; June 21.
Criley, William W., Cleveland, Ohio. Gripping mechanism. 2,121,119; June 21.
Crisler, Vern J., and W. J. Friedland, Chicago, Ill. Fixture for filing articles. 2,121,188; June 21.
Crocker, Ira H., Wilmot, S. Dak. Directional signal. 2,121,685; June 21.
Croft, Walter J., Jr., West Roxbury, Mass., assignor to International Braid Company. Braid former. 2,121,071; June 21.
Currie, Raymond H., Duquesne, Pa. Making hot-blast valve seats. 2,121,686; June 21.
Curtin-Howe Corporation. (See Curtin, Leo P., assignor.)
Curtin, Leo P., Cranbury, N. J., assignor to Curtin-Howe Corporation, New York, N. Y. Maintenance of phosphate coating baths. 2,121,520; June 21.
Curtis, Richard C., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Piezoelectric crystal holder. 2,121,340; June 21.
Daus, Otto, Hamburg, Germany. Cross country vehicle. 2,121,687; June 21.
Davidson, Roy H. (See Rutledge, G. E., and Davidson.)
Davini, David A., et al. (See Nielsen, Adolph E., assignor.)
Davis, Frederick R. J. (See Hague, F. T., and Davis.)
Davis, George B., Jr., Washington, D. C. Fluid brake safety device. 2,121,653; June 21.
Dayrahite Lamp Corporation. (See Greenmun, Leo S., assignor.)
Dayton, James M., Torrington, Conn. Dispensing apparatus with indicator and automatic controls. 2,121,396; June 21.
Dayton Rubber Manufacturing Company, The. (See Freedlander, Abraham L., assignor.)
Deans, Robert C., Glasgow, Scotland. Artificial fly for fishing. 2,121,072; June 21.
De Bothezat, George, assignor, by mesne assignments, to American Machine and Metal Inc., New York, N. Y. Disk fan. 2,121,073; June 21.
Decker, Ralph, et al. (See Hill, Richard D., assignor.)
Degelman, Edward, Secaucus, N. J. Clutch engaging and disengaging mechanism. 2,121,626; June 21.
De La Barre, Cecelia, Minneapolis, Minn. Device for curling hair. 2,121,476; June 21.
De Lancey, Warren H., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fluid meter. 2,121,120; June 21.
De Lange, Owen E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical power indicating apparatus. 2,121,141; June 21.
Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Electrical connecter plug. 2,121,521; June 21.
Demel, Frederick, Grantwood, N. J. Making gold leaf and product thereof. 2,121,559; June 21.
Dempster, George R., Knoxville, Tenn. Transporting and dumping vehicle. 2,121,121; June 21.
Dennis, John, and J. W. Morgan, Chico, Calif. Range burner mounting. 2,121,477; June 21.
Desimone, Cornelius A., Bala Cynwyd, and J. C. Woodford, Haverford, assignors to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Liquid dispensing apparatus. 2,121,734; June 21.
Detroit Electric Furnace Company. (See Weinheimer, Claude M., assignor.)
Detroit Gasket & Mfg. Co. (See Balfe, George T., assignor.)
Diamond, Harry, Washington, D. C., assignor to the Government of the United States, represented by the Secretary of Commerce. Radio transmitting and receiving system. 2,121,024; June 21.
Diamond, Hymen. (See Lowry, E. F., and Diamond.)
Diamond Power Specialty Corporation. (See Thomas, W. P., Bowers, and Cox, assignors.)
Dickey, Randal F., et al. (See Nielsen, Adolph E., assignor.)
Dickinson, Christmas O., Los Angeles, Calif., assignor to Acme Chemical Company, Milwaukee, Wis. Mop cleaner. 2,121,426; June 21.
Dickinson, Paul, Inc. (See Filkins, Arthur J., assignor.)
Dietze, Eginhard, Westfield, and J. W. Foley, Englewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical coil. 2,120,973; June 21.
Dillon, Jesse L. Indianapolis, Ind. Ashtray. 2,121,122; June 21.
Dixie-Vortex Company. (See Carew, Herman, assignor.)
Donchian, Paul S., Hartford, Conn. Dish. 2,121,654; June 21.
Donovan, John F., East Cleveland, and F. J. Malloy, Cleveland Heights, Ohio, assignors to General Electric Company. Apparatus for sealing metal to glass. 2,121,627; June 21.
Dooley, Francis J., Arlington, Mass. Method and apparatus for digesting cellulosic material. 2,121,074; June 21.
Dorman, Charles O., Georgetown, assignor of one-half to P. E. Hunter, Sacramento, Calif. Mechanical vibrator and expansion device for transmission lines. 2,121,478; June 21.
Dorward, Raymond B., assignor to Insley Manufacturing Corporation, Indianapolis, Ind. Crane excavator. 2,121,189; June 21.
Dow Chemical Company, The. (See Bass, S. L., and Van Duzee, assignors.)
Dow Chemical Company, The. (See Britton, E. C., and Le Fevre, assignors.)
Dow Chemical Company, The. (See Collings, William R., assignor.)
Dow Chemical Company, The. (See Grether, E. F., Shawver, and Du Vall, assignors.)
Dow Chemical Company, The. (See Irons, Carroll, assignor.)
Dow Chemical Company, The. (See Mills, Lindley E., assignor.)
Downing, Frederick B., Carneys Point, and C. J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilised salts of hydrosulphurous acid and preparation thereof. 2,121,397; June 21.
Dreeszen, Rudolf J., Douglas Township, Ida County, Iowa. Hog oiler. 2,121,688; June 21.
Dreyfus, Henry, London, England. Treatment of artificial materials. 2,121,341; June 21.
Dreyfus, Henry, London, England. Manufacture of alkylidene diesters. 2,121,342; June 21.
Dreyfus, Henry, London, England. Treatment of textile materials. 2,121,343; June 21.
Drummond, Robert S., Detroit, Mich. Machine for finishing gears. 2,121,479; June 21.
Dudley, Homer W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for the artificial production of vocal or other sounds. 2,121,142; June 21.
Dukes, Thomas C., Parnel, Mo. Folding table. 2,121,398; June 21.
Duncan, Herbert L., Highland Park, assignor of one-half to L. P. Threlkeld, Detroit, Mich. Variable timing device. 2,121,560; June 21.
Duncan, Robert A. (See McAllister, W. H., Duncan, and Quimby.)
Dunning, Sanford F., Wheaton, Ill., assignor to American Telephone and Telegraph Company. Call distributing telephone system. 2,121,498; June 21.





Du Pont, E. I., de Nemours & Company. (See Acken, Marshall F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Armor, Horace F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Arvin, James A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Berliner, J. F. T., and Sly, assignors.)
Du Pont, E. I., de Nemours & Company. (See Brubaker, M. M., and Hubbuch, assignors.)
Du Pont, E. I., de Nemours & Company. (See Downing, F. B., and Pedersen, assignors.)
Du Pont, E. I., de Nemours & Company. (See Edgar, Donald E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Haag, Ivan L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Jacobson, Ralph A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Moriarty, John J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Picard, R., and Oriol, assignors.)
Du Pont, E. I., de Nemours & Company. (See Rigby, George W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Salzberg, Paul L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sullivan, David J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Werntz, James H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Williams, I., and Neal, assignors.)
Du Vall, Russell B. (See Grether, E. F., Shawver, and Du Vall.)
Dwight & Lloyd Sintering Company, Inc. (See Lloyd, R. L., and Hyde, assignors.)
Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Motor control system. 2,121,588; June 21.
Eames, William F., Pittsburgh, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator dispatching system. 2,121,587; June 21.
Eason, Clarence M., assignor to Industrial Clutch Company, Waukesha, Wis. Clutch mechanism. 2,121,075; June 21.
Easy Washing Machine Corporation. (See Geldhof, Peter E., assignor.)
Easy Washing Machine Corporation. (See Nelson, Jabez C., assignor.)
Ebert, Fritz, assignor to Mauser-Werke A.-G., Oberndorf-on-the-Neckar, Germany. Sewing machine with looper thread control. 2,121,689; June 21.
Ederer, Lothar A. (See Calkins, Chauncey L., assignor.)
Edgar, Donald E., Philadelphia, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous coating compositions. 2,121,690; June 21.
Egger, Walter F., Lakewood, assignor to The A. P. Schraner Company, Cleveland, Ohio. Lapping machine. 2,121,025; June 21.
Eichel, Frank A., assignor to T. Lamb, New York, N. Y. Car seat. 2,121,522; June 21.
Einson-Freeman Co. (See Leigh, Nathan J., assignor.)
Eisenberg, Charles G., Jr., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Hydraulic hoist. 2,120,967; June 21.
Eisendrath Glove Company. (See Kuh, William H., assignor.)
Electric & Musical Industries Limited. (See Lett, Frederic T., assignor.)
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Molding composition of urea resin and a modifying agent and making same. 2,121,076; June 21.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Glass-clear synthetic resin product and making same. 2,121,077; June 21.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Venetian blind slat. 2,121,217; June 21.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Elmes, John A., assignor to Keystone Driller Company, Beaver Falls, Pa. Supporting mechanism for the crown sheave of a drilling machine. 2,121,078; June 21.
Elsey, George W., L. E. Mumma, and F. J. Vosler, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Conductor inserting machine. 2,121,655; June 21.
Engels, Bernhard, Waldenburg-Altwasser, Germany. Feeding molten glass. 2,121,143; June 21.
English Electric Company Limited, The. (See Mardis, P. L., and Binney, assignors.)
English, Sally, New York, N. Y. Handkerchief pocketbook ensemble. 2,121,561; June 21.
Ensten, Harold V. (See Hibshman, James R., assignor.)
Enterprises Electriques Fribourgeoises. (See Challet, Etienne, assignor.)
Erikson, Eben W., and N. M. Nesset, Glenview, Ill., assignors to Baxter Laboratories, Inc. Filtering means for liquid containers. 2,121,123; June 21.
Erter, John H., White Plains, assignor to Alco Products Incorporated, New York, N. Y. Condensing method and apparatus. 2,121,218; June 21.
Eskin, Samuel G., Clayton, assignor to American Thermometer Company, St. Louis, Mo. Electric thermostat. 2,121,079; June 21.
Espe, Werner. (See Kerschbaum, H., and Espe.)
Espe, Werner, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Vacuum- and gas-tight vessel for electric apparatus. 2,121,590; June 21.
Espe, Werner, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Emissive incandescent cathode. 2,121,589; June 21.
Euth, John E., Chicago, Ill., assignor to United Autographic Register Co. Carbon holding device. 2,121,499; June 21.
Evans, Louis P., Woodbury, N. J., assignor to The Texas Company, New York, N. Y. Counterflow apparatus. 2,121,318; June 21.
Fafnir Bearing Company, The. (See Smith, John W., assignor.)
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Dirt collector. 2,121,538; June 21.
Farmer, Frank T., and S. D. Loud, assignors to Worcester Lawn Mower Company, Worcester, Mass. Lawn mower. 2,121,219; June 21.
Faulkner, Michael, assignor of one-half to W. R. Smith, Weston, W. Va. Switch. 2,121,124; June 21.
Federal Electric Company. (See Barclay, Robert E., assignor.)
Fellowes, Harry L., assignor to Bankers Box Company, Chicago, Ill. Collapsible filing cabinet. 2,121,190; June 21.
Fernberger, Harry M. (See Lemmers, E., and Fernberger.)
Filkins, Arthur J., assignor to Paul Dickinson, Inc., Chicago, Ill. Roof drain. 2,121,220; June 21.
Fineout, Jesse C. (See Jones, E., and Fineout.)
Finn, Charles O., Cincinnati, Ohio, assignor to Novo Engine Company, Lansing, Mich. Pavement breaking equipment. 2,121,480; June 21.
Fischer, John F., Drexel Hill., assignor to Abrasive Company, Philadelphia, Pa. Grinding wheel. 2,121,656; June 21.
Fischer, Joseph, New York, N. Y. Bracket. 2,121,144; June 21.
Fischer, James B., Detroit, Mich. Electromagnetic control means. 2,121,657; June 21.
Fisk, Gustaf L., New York, N. Y. Flying shear. 2,121,145; June 21.
Fitch, Ellery R., Irwin, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,121,539; June 21.
Fleming, William B., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Conveyer. 2,121,628; June 21.
Flumerfelt, William A., assignor to Bonded Scale Company, Columbus, Ohio. Weighing scale. 2,121,481; June 21.
Fluor Corporation Ltd., The. (See Fluor, J. S., Jr., and Ash, assignors.)
Fluor, John S., Jr., and P. W. Ash, Santa Ana, assignors to The Fluor Corporation Ltd., Los Angeles, Calif. Air-cooled muffler. 2,121,319; June 21.
Flynt, Robert C., assignor of two-fifths to F. G. Miles, Winston-Salem, N. C. Envelope moistener and sealer. 2,121,166; June 21.
Follfilm, Inc. (See Kittredge, H. G., and Broderick, assignors.)
Foley, John W. (See Dietze, E., and Foley.)
Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Feeding mechanism for slicing machines. 2,121,350; June 21.
Fontan, Le Roy H., Rutherford, N. J. Mirror provided lipstick receptacle. 2,121,221; June 21.
Fontan, Le Roy H., Rutherford, N. J. Article of jewelry and the like. 2,121,344; June 21.
Foot Filter, Inc. (See Lynch, J. J., Semke, and Womsley, assignors.)
Forward, Chauncey B., Urbana, Ohio, assignor, by mesne assignments, to Forward Process Company, Dover, Del. Refining and converting oils. 2,121,026; June 21.
Forward, Chauncey B., Urbana, Ohio, assignor, by mesne assignments, to Forward Process Company, Dover, Del. Cracking hydrocarbons. 2,121,027; June 21.
Forward Process Company. (See Forward, Chauncey B., assignor.)
Foster, Dudley E., Morristown, N. J., and G. Mountjoy, Bayside, N. Y., assignors to Radio Corporation of America. Automatic frequency control circuit. 2,121,735; June 21.
Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Automatic frequency control circuits. 2,121,736; June 21.
Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Automatic frequency control circuits. 2,120,974; June 21.
Fowler, Lester T., Oaklyn, N. J., assignor to Radio Corporation of America. Sensitivity control system for automobile radio receivers. 2,121,427; June 21.
Francis, Lynn M., Birmingham, assignor to Mechanical Handling Systems Inc., Detroit, Mich. Tandem wheel trailer. 2,121,245; June 21.
Frank, Frederick C., assignor to Bendix Aviation Corporation, South Bend, Ind. Wheel. 2,121,146; June 21.
Franklin, Leslie U., Sweetwater, Tex., assignor, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa. Acid treatment of petroleum oils. 2,121,167; June 21.
Franklin Railway Supply Company. (See Zouck, George H., assignor.)

Fraser, Oliver E. (See Fraser, Pinkney P., assignor.)
Fraser, Pinkney P., Memphis, Tenn., assignor of one-half to O. E. Fraser, Hermondale, Mo. Boiler. 2,121,562; June 21.
Freed, Edith F. (See Freed, Joseph P., assignor.)
Freed, Joseph P., assignor to E. F. Freed, Los Angeles, Calif. Fluid flow control and silencer. 2,121,482; June 21.
Freedlander, Abraham L., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Belt and belt connecter. 2,121,125; June 21.
Freedlander, Abraham L., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Belt. 2,121,222; June 21.
French Renovating Company, The. (See Beitman, Albert B., assignor.)
Friedland, Walter J. (See Crisler, V. J., and Friedland.)
Fuehrer, George H., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Braking device. 2,121,563; June 21.
Fuhrmann, Warren, Kearney, and W. G. Sand, Keansburg, N. J. Amusement device. 2,121,223; June 21.
Furibondo, Alfonso. (See Geraci, Vito, assignor.)
G. & A. Laboratories. (See Hasselstrom, Torsten, assignor.)
Galkin, Joseph, New York, N. Y. Sewing machine belt drive. 2,121,080; June 21.
Gardner Company. (See Britten, Edwin F., Jr., assignor.)
Gardner, Henry A., Chevy Chase, Md., and A. Kirkpatrick, assignors to Monsanto Chemical Company, St. Louis, Mo. Cellulosic wrapping material. 2,121,028; June 21.
Garlinghouse, Leslie H., Jr., Los Angeles, Calif. Dumping vehicle. 2,121,224; June 21.
Garvey, Thomas. (See Zober, B., and Garvey.)
Gasoline Products Company. (See Moore, William F., assignor.)
Gaterman, William, Manitowoc, Wis. Attachment for mowing machines. 2,121,428; June 21.
Gehret, Charles A., East Norriton Township, Montgomery County, Pa. Exhibition bench. 2,121,638; June 21.
Geldhof, Peter E., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Clothes washing machine. 2,121,523; June 21.
General Aniline Works, Inc. (See Brodersen, K., and Peters, assignors.)
General Aniline Works, Inc. (See Kränzlein, G., Schlichenmaier, and Schörnig, assignors.)
General Aniline Works, Inc. (See Scherer, O., Schumacher, and Müller, assignors.)
General Aniline Works, Inc. (See Zahn, K., and Schimmelschmidt, assignors.)
General Electric Company. (See Adams, Joy C., assignor.)
General Electric Company. (See Bean, Robert F., assignor.)
General Electric Company. (See Bobek, Karl, assignor.)
General Electric Company. (See Crago, Harry R., assignor.)
General Electric Company. (See Donovan, J. F., and Malloy, assignors.)
General Electric Company. (See Koller, Lewis R., assignor.)
General Electric Company. (See Lemmers, Eugene, assignor.)
General Electric Company. (See Lemmers, E., and Fernberger, assignors.)
General Electric Company. (See Lum, Walter O., assignor.)
General Electric Company. (See Mickley, Erich, assignor.)
General Electric Company. (See Smith, Arthur R., assignor.)
General Electric Company. (See Thompson, Louis W., assignor.)
General Electric Company. (See Warren, Glenn B., assignor.)
General Electric X-Ray Corporation. (See Gross, M. J., and Atlee, assignors.)
General Motors Corporation. (See Claytor, Edward M., assignor.)
General Motors Corporation. (See Elsey, G. W., Mumma, and Vosler, assignors.)
General Motors Corporation. (See Price, Osborne L., assignor.)
General Motors Corporation. (See Schwarze, Herman, assignor.)
General Register Corporation. (See Helsel, Reuben H., assignor.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
Geraci, Vito, assignor of one-half to A. Furibondo, Brooklyn, N. Y. Scalp protecting pad for hair waving. 2,121,466; June 21.
Geraci, Vito, assignor of one-half to A. Furibondo, Brooklyn, N. Y. Ringlet setting implement. 2,121,467; June 21.
Gessford, Ross K., and D. D. Knowles, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Grid glow tube with zero temperature effect. 2,121,591; June 21.
Ghrist, David M., Glendale, Calif. Film holder. 2,121,225; June 21.
Gibson, Oliver E., assignor to United States Gypsum Company, Chicago, Ill. Sizing method and machine. 2,121,468; June 21.
Giese, Hermann. (See Raspe, F., and Giese.)
Gilbert & Barker Manufacturing Company. (See De Lancey, Warren H., assignor.)
Gilpin, Garth G., Riverside, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Wall structure for railway cars. 2,121,288; June 21.
Girdler Corporation, The. (See Herron, Albert E., assignor.)
Gladstone, Arthur, assignor to The Han-Dee Manufacturing Corp., Hartford, Conn. Battery terminal clamp. 2,121,629; June 21.
Gleadall, Leslie R., Bankstown, New South Wales, Australia. Balance adjustment for tennis racquets. 2,121,289; June 21.
Gluhareff, Serge, Stratford, Conn., assignor, by mesne assignments, to United Aircraft Corporation. Resilient engine mount. 2,121,429; June 21.
Goodrich, Paul, Fanwood, N. J., assignor to William R. Warner & Co., Inc., New York, N. Y. Germicides and making the same. 2,121,029; June 21.
Goldschmidt, Th., Aktiengesellschaft. (See Schrader, H., and Stahl, assignors.)
Gompers, Lewis, trustee. (See Ashley, Frank M., assignor.)
Goodrich, David M., New York, N. Y. Clasp. 2,121,147; June 21.
Goodrich, Robert R., 2nd. (See Malter, L., Rajchman, and Goodrich.)
Gordon, David S., Brooklyn, N. Y. Sample book. 2,121,246; June 21
Gough, John H., Bethesda, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Constant regulation transformer. 2,121,592; June 21.
Government of the United States, represented by the Secretary of Commerce. (See Diamond, Harry, assignor.)
Graham, Paul S. (See Rugg, H. H., and Graham.)
Grand, Jean F. E., Paris, and R. L. Grand, Livry-Gargan, France. Reinforced track crossing. 2,121,659; June 21.
Grand, René L. (See Grand, Jean F. E., and R.-L.)
Grand Specialties Company. (See Sasgen, Michael J. and A. M., assignors.)
Gray, Clarence E., St. Petersburg, Fla. Combination container for cigarettes and matches. 2,121,500; June 21.
Gray, Harry Z., Lebanon, Ohio. Composite sponge. 2,121,384; June 21.
Great Lakes Steel Corporation. (See Clause, J. A., and McGuire, assignors.)
Green, Joseph W. (See Loose, K. D., Watkins, and Green.)
Green, Samuel G., Gray, Ga. Gland adjusting mechanism. 2,121,030; June 21.
Greenfield Tap and Die Corporation. (See Koehler, Oscar E., assignor.)
Greenmun, Leo S., Binghamton, N. Y., assignor to Dayatnite Lamp Corporation, Newark, N. J. Lamp. 2,121,102; June 21.
Greenwood, Dolphiee H., Los Angeles, Calif. Valve construction. 2,121,031; June 21.
Gregory, Warren W. (See Knapp, W. A., and Gregory.)
Grether, Ernest F., W. R. Shawver, and R. B. Du Vall, assignors to The Dow Chemical Company, Midland, Mich. Ethylene glycol di-(halo-aryloxy-acetates). 2,121,226; June 21.
Grinnell, Albert A. (See Whedon, Le. G. S., and Grinnell.)
Gross, Howard H. (See Manley, R. E., McCarty, and Gross.)
Gross, Malvern J., and Z. J. Atlee, Chicago, Ill., assignors to General Electric X-Ray Corporation. X-ray apparatus. 2,121,630; June 21.
Gross, Malvern J., and Z. J. Atlee, Chicago, Ill., assignors to General Electric X-Ray Corporation. X-ray tube. 2,121,631; June 21.
Gross, Malvern J., and Z. J. Atlee, Chicago, Ill., assignors to General Electric X-Ray Corporation. X-ray tube. 2,121,632; June 21.
Growdon, Leonard R., Chillicothe, assignor, by mesne assignments, to K. C. M. Company, Dayton, Ohio. Paper manufacture. 2,121,540; June 21.
Guets, Monroe, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Resettable circuit interrupter. 2,121,691; June 21.
Guion, Louis L., Jr., Lugoff, S. C. Mounting. 2,121,290; June 21.
Gulf Oil Corporation. (See Cantrell, T. L., and Turner, assignors.)
Gulf Oil Corporation. (See Franklin, Leslie U., assignor.)
Gulf Research & Development Company. (See Rusler, George W., assignor.)
Gunby, Olin B. (See Kliendinst, M. S., Gunby, and Belar.)
Guth, Edwin F., Webster Groves, Mo. Fixture. 2,121,430; June 21.
Gutkin, Samuel S. (See Barsky, G., and Gutkin.)
Hasg, Ivan L., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of zinc sulphate. 2,121,390; June 21.
Habe, Frank J., assignor of one-half to E. Racusin, Rimersburg, Pa. Roof support for underground passageways. 2,121,291; June 21.





Haegele, Otto P., assignor to Streeter-Amet Company, Chicago, Ill. Weighing apparatus. 2,121,227; June 21.
Hafner, Raoul, Vienna, Austria. Rotative wing aircraft. 2,121,345; June 21.
Hagen, Gerhard, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Reactance independent of temperature. 2,121,148; June 21.
Hague, Floyd T., Pittsburgh, and F. R. J. Davis, Irwin, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling and mounting of collectors for unipolar generators. 2,121,593; June 21.
Hall, William H., Cicero, Ill. Safety razor. 2,121,228; June 21.
Hall, William P. (See Lippert, A. L., and Hall.)
Halter, George N., Canton, Ohio. Mechanical furnace. 2,121,229; June 21.
Hamm, Karl P., New York, N. Y. Washing machine. 2,121,431; June 21.
Hammers, Earl E., Saint Joseph, assignor of one-half to C. M. Jespersen, Kansas City, Mo. Internal combustion motor. 2,121,660; June 21.
Hammond, John H., Jr. (See Purington, Ellison S., assignor.)
Hamon, Weslie M., Bell, Calif. Locking means. 2,121,230; June 21.
Han-Dee Manufacturing Corp. (See Gladstone, Arthur, assignor.)
Hanicke, Paul G. E., Kansas City, Mo. Fracture clamping apparatus. 2,121,193; June 21.
Hansell, Clarence W., Fort Jefferson, N. Y., assignor to Radio Corporation of America. Variable reactance modulator circuit. 2,121,737; June 21.
Harder Refrigerator Corporation. (See Merrill, Harry L., assignor.)
Hardy, Charles, Pelham, N. Y., assignor to The Linde Air Products Company. Welding rod. 2,121,194; June 21.
Harrison, George O. (See Parsons, J. S., and Harrison.)
Harrison, George O., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Network distribution system. 2,121,594; June 21.
Harrison, George O., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Network distribution system. 2,121,595; June 21.
Harrison, Leander H., New York, N. Y., assignor, by mesne assignments, to Atlas Powder Company, Wilmington, Del. Print roll composition. 2,121,126; June 21.
Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Integrator mechanism for measuring instruments. 2,121,082; June 21.
Harris-Seybold-Potter Company. (See Harrold, C. W., and Horton, assignors.)
Harrold, Charles W., Shaker Heights, and C. G. Horton, Bedford, assignors to Harris-Seybold-Potter Company, Cleveland, Ohio. Printing press. 2,121,195; June 21.
Hartley, Henry J., Hastings on Hudson, N. Y., and D. Baird, Berkeley, Calif., assignors to Nichols Engineering & Research Corporation, New York, N. Y. Process and apparatus for drying and burning moist materials. 2,121,661; June 21.
Hartley, Henry J., Hastings on Hudson, N. Y., and D. Baird, Berkeley, Calif., assignors to Nichols Engineering & Research Corporation, New York, N. Y. Incineration of sewage sludge and other waste materials. 2,121,662; June 21.
Hartman, Joseph, Pittsburgh, Pa., and W. A. Knapp, Monroe, La., assignors to Imperial Oil & Gas Products Company, Pittsburgh, Pa. Treating carbon black. 2,121,633; June 21.
Hartog, Stephen D., Normandy Township, Mo. Container valve. 2,121,231; June 21.
Hartog, Stephen D., Normandy Township, Mo. Container valve. 2,121,232; June 21.
Harvey, Leo M., Los Angeles, Calif. Towel cabinet. 2,121,346; June 21.
Hasselstrom, Torsten, New York, N. Y., assignor to G. & A. Laboratories, Savannah, Ga. Detergent and wetting agent and producing the same. 2,121,032; June 21.
Hasselstrom, Torsten, New York, N. Y., assignor to G. & A. Laboratories, Savannah, Ga. Improved detergent and wetting agent and producing the same. 2,121,033; June 21.
Hatfield, C. Alexander. (See Bretschneider, Curt, assignor.)
Haughton, John L., and W. E. Prytherch, Teddington, England. Magnesium alloys containing cerium and other elements. 2,121,292; June 21.
Haupt, William E., Brooklawn, assignor to Automatic Drive & Transmission Company, Gloucester City, N. J. Automatic power transmitting mechanism. 2,121,663; June 21.
Hausmann, Max, Berlin-Zehlendorf-Mitte, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for generating oxygen, especially for breathing purposes. 2,121,034; June 21.
Hausmann, Max, Berlin-Zehlendorf-Mitte, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for generating oxygen, especially for breathing purposes. 2,121,347; June 21.
Hauss, Floyd E. (See Baumzweiger, Benjamin, assignor.)
Hawkings, William C. (See Polden, R. E., and Hawkings.)
Hays, Newell, El Paso, Tex. Closing cracks in castings and the like. 2,121,692; June 21.
Hazard Advertising Corporation. (See Lawler, James, assignor.)
Heberlein, George, Jun., Wattwil, Switzerland, assignor to Heberlein Patents Corporation, New York, N. Y. Making patterned effects on crepe fabrics and products therefrom. 2,121,755; June 21.
Heberlein Patents Corporation. (See Heberlein, George, Jr., assignor.)
Heckert, Evelyn L. (See Heckert, John E., assignor.)
Heckert, John E., Van Nuys, Calif., assignor by decree of court to E. L. Heckert. Mobile merchandising device. 2,121,756; June 21.
Heftler, Victor R., assignor to Zenith Carburetor Company, Detroit, Mich. Carburetor. 2,120,975; June 21.
Heidbrink, Jay A., Minneapolis, Minn., assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio. Anesthetizing apparatus. 2,121,196; June 21.
Heil Co., The. (See Eisenberg, Charles G., Jr., assignor.)
Heil, Norman E., Ridgewood, N. J. Wick for liquid fuel burners. 2,121,293; June 21.
Heinrich, Walter A., St. Louis, Mo., and C. R. Pieper, assignors to Iron Products Corporation, La Crosse, Wis. Earth anchor. 2,121,757; June 21.
Heins, Gustav. (See Carter, M. and Heins.)
Held, Charles, New York, N. Y., assignor, by mesne assignments, to U. S. Slicing Machine Company, La Porte, Ind. Meat slicing machine. 2,121,348; June 21.
Helsel, Reuben H., Long Island City, assignor to General Register Corporation, New York, N. Y. Ticket issuing machine. 2,120,976; June 21.
Henderson, Hugh M., Scunthorpe, England. Electric arc welding. 2,121,693; June 21.
Henderson, Leonard L., Dayton, Ohio. Ignition system. 2,121,385; June 21.
Henrickson, Gust A., assignor of one-half to C. O. Rydholm, Cleveland, Ohio. Hatch fastener. 2,121,386; June 21.
Henwood, Lloyd S., Merchantville, assignor to C. Howard Hunt Pen Company, Camden, N. J. Manufacturing pen points. 2,121,541; June 21.
Hercules Motors Corporation. (See Latta, David W., assignor.)
Hercules Powder Company. (See Humphrey, Irvin W., assignor.)
Hercules Powder Company. (See Wiggam, David R., assignor.)
Herron, Albert E., Cleveland, Ohio, assignor, by mesne assignments, to The Girdler Corporation, Louisville, Ky. Frozen comestible package. 2,121,564; June 21.
Hershman, Paul R., Chicago, Ill., assignor to Oakite Products, Inc., New York, N. Y. Hypochlorite composition. 2,121,501; June 21.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,121,543; June 21.
Hewitt Rubber Corporation. (See Berman, M., and Zinter, assignors.)
Hibshman, James R., Cleveland Heights, Ohio, assignor to H. V. Ensten. Wearing apparel. 2,121,168; June 21.
Hill, Charles L., North Plainfield, N. J. Safety closure for tank trucks. 2,121,596; June 21.
Hill, Richard D., assignor of one-half to L. D. Mowrey, one-fourth to E. M. Robertson, and one-fourth to R. Decker, all of Wichita Falls, Tex. Rod line carrier. 2,121,694; June 21.
Hill, Rowland, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Poymerization process. 2,121,695; June 21.
Hoe, R., & Co. (See Huck, William F., assignor.)
Hoe, R., & Co. (See Quick, C. G., Ball, and Whitehead, assignors.)
Hoffman, Forrest. (See Hollis, Gaston F., assignor.)
Hoffman, Louis, Walla Walla, Wash. Chain repairing apparatus. 2,121,400; June 21.
Hollis, Gaston F., assignor of one-third to F. Hoffman, St. Petersburg, Fla. Spray nozzle. 2,121,401; June 21.
Hollister, Solomon C., Ithaca, N. Y., J. E. Trainer, Akron, and B. T. Kehoe, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Newark, N. J. Joining tubular members. 2,121,035; June 21.
Holt, Herbert, and E. Brierley, Rochdale, England. Machine for winding yarns or threads or the like on to paper tubes or cones or other bodies. 2,121,352; June 21.
Holz, John W., West Palm Beach, Fla. Fireplace. 2,120,977; June 21.
Hooker, Ray O., Fairmont, Calif. Sheet metal shears. 2,121,247; June 21.
Horn, Ernst, Nuremberg, Germany. Switch for toy vehicle tracks. 2,121,696; June 21.
Horton, Clyde G. (See Harrold, C. W., and Horton.)
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,121,233; June 21.
Houdry Process Corporation. (See Pew, Arthur E., Jr., assignor.)
Houser, Fred C., Chicago, Ill. Golf club. 2,121,387; June 21.

Howsam, Hilyard C., assignor to Hubbard Spool Company, Chicago, Ill. Spool. 2,121,234; June 21.
Hubbard Spool Company. (See Howsam, Hilyard C., assignor.)
Hubbuch, Leo P. (See Brubaker, M. M., and Hubbuch.)
Huck, William F., Richmond Hill, assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing machines. 2,120,978; June 21.
Huckins, Frank P., Jacksonville, Fla. Device for preventing conflagrations on boats by fuel leaks. 2,121,664; June 21.
Hudson, Edwin H., assignor to The American Rolling Mill Company, Middletown, Ohio. Butt welding device for metal strips. 2,121,665; June 21.
Hughes, Everett C. (See Burk, R. E., and Hughes.)
Humason, Granville A., Houston, Tex. Spear. 2,121,634; June 21.
Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Synthetic resinous material and producing it. 2,121,294; June 21.
Hunciker, Karl, assignor to I. E. McCabe, Chicago, Ill. Mercury switch. 2,121,235; June 21.
Hunt, C. Howard, Pen Company. (See Bartol, George E., Jr., assignor.)
Hunt, C. Howard, Pen Company. (See Henwood, Lloyd S., assignor.)
Hunt, Franklin L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic element for sound studios. 2,120,979; June 21.
Hunter, Paul E. (See Dorman, Charles O., assignor.)
Hurd, Ralph H. (See Ballard, B. T., McNeil, and Hurd.)
Huribut, Gordon B., Middlebury, assignor to The Plumb & Atwood Manufacturing Company, Waterbury, Conn. Lighting fixture. 2,121,738; June 21.
Hustad, Hugo R., New York, N. Y. Rubber heel. 2,121,353; June 21.
Hyde, Reed W. (See Lloyd, R. L., and Hyde.)
I. G. Farbenindustrie Aktiengesellschaft. (See Binapfl, Josef, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hausmann, Max, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Raspe, F., and Giese, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schiller, Georg, assignor.)
Illinois Railway Equipment Company. (See Johnson, Malcolm S., assignor.)
Imperial Chemical Industries Limited. (See Hill, Rowland, assignor.)
Imperial Oil & Gas Products Company. (See Hartman, J., and Knapp, assignors.)
Imperial Oil & Gas Products Company. (See Knapp, W. A., and Gregory, assignors.)
Industrial Clutch Company. (See Eason, Clarence M., assignor.)
Ingersoll-Rand Company. (See Fuehrer, George H., assignor.)
Insley Manufacturing Corporation. (See Dorward, Raymond B., assignor.)
International Braid Company. (See Croft, Walter J., Jr., assignor.)
International Door Company. (See Shields, John W., assignor.)
International Leather Company, The. (See Pollard, Joseph F., assignor.)
Iron Products Corporation. (See Heinrich, W. A., and Pieper, assignors.)
Irons, Carroll, assignor to The Dow Chemical Company, Midland, Mich. Plugging porous strata in wells. 2,121,036; June 21.
Jackman, Elmer F., Lakewood, assignor to The Ridge Tool Company of Elyria, North Ridgeville, Ohio. Screw extractor. 2,121,197; June 21.
Jacobson & Company. (See Jacobson, Victor, assignor.)
Jacobson, Ralph A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resins. 2,121,697; June 21.
Jacobson, Victor, New Rochelle, assignor to Jacobson & Company, New York, N. Y. Structural assembly. 2,121,432; June 21.
Jäger, Carl H., Wuppertal-Elberfeld, Germany. Device for drying the closing flaps of letter envelopes, bags, etc. 2,121,698; June 21.
James, William S., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake lining testing machine. 2,121,149; June 21.
Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Thread tensioning device for braiding machines and the like. 2,121,739; June 21.
Janzen, Otto, Berlin-Hermsdorf, Germany. Self-starting single-phase alternating current synchronous motor. 2,121,690; June 21.
Jarvis, Kenneth W., Chicago, Ill., assignor to Radio Corporation of America, New York, N. Y. Tone control system. 2,121,150; June 21.
Jeffrey Manufacturing Company, The. (See Fleming, William B., assignor.)
Jenkins, James M., assignor to Andale Company, Philadelphia, Pa. Catalyst converter. 2,121,198; June 21.
Jennings, Charles T., Medford, N. J. Golf club. 2,121,295; June 21.
Jespersen, Christian M. (See Hammers, Earl E., assignor.)
Johanson, Georg K. (See Anderson, E. E. W., and Johanson.)
Johnson, Arthur A., assignor to Casco Products Corporation, Bridgeport, Conn. Fender guide. 2,121,525; June 21.
Johnson, Eric G., Trenton, N. J. Valve. 2,121,354; June 21.
Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Brake hanger retainer. 2,121,248; June 21.
Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Retainer means for brake hangers. 2,121,249; June 21.
Johnson, Stanley N., assignor to Motor Wheel Corporation, Lansing, Mich. Manufacturing vehicle wheels. 2,121,199; June 21.
Johnston, Leith, Miami, Fla., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Contact spring. 2,120,980; June 21.
Jones, Emile, and J. C. Fineout, Lansing, Mich., assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Disappearing door handle for automobiles. 2,121,758; June 21.
Jones, Herbert E., Colorado Springs, Colo., assignor, by mesne assignments, to Kansas City Testing Laboratory. Photoelectric haze penetrator. 2,121,771; June 21.
Jones, Thomas R., Wilkes-Barre, Pa. Miner's cap. 2,121,296; June 21.
Jonsson, Anders J., Linkoping, Sweden. Shovel. 2,121,200; June 21.
Joyce, Henry G., Providence, R. I. Finger ring. 2,121,201; June 21.
K. C. M. Company. (See Growdon, Leonard R., assignor.)
K-D Manufacturing Company. (See Malone, Mackey K., assignor.)
Kansas City Testing Laboratory. (See Jones, Herbert E., assignor.)
Kapsanis, Laura M., Tarpon Springs, Fla. Shade fixture. 2,121,700; June 21.
Karcher, Louis E. (See Miguel, Joseph H., assignor.)
Karl, Otto, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrode support. 2,121,597; June 21.
Karns, Charles B., Pittsburgh, Pa., assignor to Standard Oil Development Company. Oil for withstanding high bearing pressures and making the same. 2,121,151; June 21.
Kehoe, Basil T. (See Hollister, S. C., Trainer, and Kehoe.)
Kelley, B. F. (See O'Donnell, Edward P., assignor.)
Kellogg, Leroy D., Deerfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Refrigerating system. 2,121,083; June 21.
Kellogg Switchboard and Supply Company. (See Kellogg, Leroy D., assignor.)
Kerschbaum, Hans, and W. Espe, Berlin-Siemensstadt, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Metal case rectifier. 2,121,598; June 21.
Kesler, Carl C., Cedar Rapids, Iowa, assignor to Penick & Ford, Ltd., Incorporated. Starch. 2,121,502; June 21.
Kettunen, Elmer F., Windsor, Ohio. Piston actuated switch. 2,121,433; June 21.
Keystone Driller Company. (See Elmes, John A., assignor.)
Kilgore, Lee A., and J. H. Cox, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vacuum pumping for mercury rectifiers. 2,121,599; June 21.
Kilsefer Manufacturing Corporation. (See Austin, Ellsworth W., assignor.)
Kiligore, Robert J., Los Nietos, Calif. Rotary bit. 2,121,202; June 21.
Kimball, Franklin E., Los Angeles, Calif. Contacting hydrocarbon vapors with ammonium pentachlorodizincate. 2,121,160; June 21.
Kimbell, Arthur W., Newton Center, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Radio container and fastener for the same. 2,121,524; June 21.
Kinsel, Anthony. (See Breth, F. W., and Kinsel.)
Kirkpatrick, Arnold. (See Gardner, H. A., and Kirkpatrick.)
Kite Mold Company. (See Marco, Fred W., assignor.)
Kittredge, Harvey G., Dayton, and S. J. Broderick, Yellow Springs, assignors to Foilfilm, Inc., Dayton, Ohio. Gas-tight packing box. 2,121,667; June 21.
Klepetko, Ernest, Pacific Palisades, and L. G. Wright, Los Angeles, Calif. Recovery of sulphur. 2,121,544; June 21.
Klinedinst, Milford S., Philadelphia, Pa., O. B. Gunby, Merchantville, N. J., and H. Belar, Philadelphia, Pa., assignor to Radio Corporation of America. Amplifier with oscillation producing adjustment. 2,121,434; June 21.
Knaub, Ralph H., Brooklyn, assignor to Amalgamated Textiles, Ltd., New York, N. Y. Book. 2,121,297; June 21.
Knapp, William A. (See Hartmann, J., and Knapp.)
Knapp, William A., and W. W. Gregory, Monroe, La., assignors to Imperial Oil & Gas Products Company, Pittsburgh, Pa. Method of and apparatus for forming condensed carbon black. 2,121,635; June 21.





Knoble, Herman P., Cleveland, Ohio. Protection ticket. 2,121,203; June 21.
Knoebel, Hartman H., Jr., Elysburg, Pa. Necktie holder. 2,121,402; June 21.
Knoll, Max, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron tube. 2,121,356; June 21.
Knowles, Dewey D. (See Gessford, R. K., and Knowles.)
Knowles, Dewey D., Forest Hills, Pa., and E. F. Lowry, Batavia, Ill., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Metal tube. 2,121,600; June 21.
Knutson, Eric E., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Vehicle toy. 2,121,152; June 21.
Koehler, Oscar E., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Manufacturing threading dies. 2,121,435; June 21.
Kokatnur, Vaman R., and O. S. Plantinga, assignors to Autoxygen, Inc., New York, N. Y. Refining edible oils, fats and analogous products. 2,121,545; June 21.
Kold-Hold Manufacturing Company. (See McGuffey, Orton S., assignor.)
Koller, Lewis R., Schenectady, N. Y., assignor to General Electric Company. Photoelectric device. 2,121,636; June 21.
Komarek-Greaves and Company. (See Komarek, Gustav, assignor.)
Komarek, Gustav, assignor to Komarek-Greaves and Company, Chicago, Ill. Briquette cooling conveyer. 2,121,298; June 21.
Konicek, George, Bruce Township, Benton County, Iowa. Transfer cart. 2,121,153; June 21.
Konishi, Shozo, Kami-Mura, Japan. Manufacturing an endless film record for sound reproduction. 2,121,170; June 21.
Koschwitz, Alfred, Leipzig, Germany. Device for the massage of the foot muscles. 2,121,250; June 21.
Kotrbaty, Guy F., Chestnut Hill, Pa. Building construction. 2,121,037; June 21.
Kovarik, Joseph F., Turtle Creek, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating apparatus. 2,121,601; June 21.
Krafelt Corporation of America. (See Arvin, J. A., and Schwartz, assignors.)
Krafelt Corporation of America. (See Larson, Louis L., assignor.)
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Skid-preventing device for use with vehicle tires. 2,121,740; June 21.
Kränzlein, George, Frankfort-on-the-Main, H. Schlichenmaier, Kelkheim-in-Taunus, and L. Schörnig, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Quinophthalone-monosulphonic acids and preparing them. 2,121,320; June 21.
Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Solenoid mechanism. 2,121,321; June 21.
Kruh, Oslas, Vienna, Austria. Production of beryllium. 2,121,084; June 21.
Krumholz, Alfred F., Chicago, Ill. Clamp. 2,121,085; June 21.
Krupp, Herman, Seattle, Wash. Mechanical toy. 2,121,355; June 21.
Kucera, Frank A., assignor to Union Special Machine Company, Chicago, Ill. Trimming mechanism for sewing machines. 2,121,526; June 21.
Kuehn, Wilton H., Hebron, N. D. Heating apparatus for automobiles. 2,121,090; June 21.
Kuh, William H., Marinette, Wis., assignor to Eisendrath Glove Company, Chicago, Ill. Glove lining. 2,121,503; June 21.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,121,086; June 21.
Labra, Joseph, Long Island City, N. Y. Ship deck mortar-like adhesive plastic. 2,121,087; June 21.
Laloux, René, Brussels, Belgium. Barrel fastening means. 2,121,171; June 21.
Lamb, Thomas. (See Eichel, Frank A., assignor.)
Landers, John, Omaha, Nebr. Dental cleaning and massage device. 2,121,701; June 21.
Landis, Aaron, Elisabeth, N. J. Handbag. 2,121,154; June 21.
Langdon, James, Cleveland, Ohio. Refillable fuse. 2,121,127; June 21.
Langworthy, Edward P., assignor to Bearium Metals Corporation, Rochester, N. Y. Bearing metal alloy. 2,121,204; June 21.
Lapinskas, Joseph, Cicero, Ill. Wire article. 2,121,403; June 21.
Larkin, Edward, Washington, D. C. Baseball head protector. 2,121,702; June 21.
Larsen, Kai K., Copenhagen, Denmark. Socket joint. 2,121,322; June 21.
Larson, Louis L., assignor to Krafelt Corporation of America, Wilmington, Del. Cork treated paper pulp. 2,121,703; June 21.
La Rue, Dee, Chicago, Ill. Brassière and the like. 2,121,088; June 21.
La Rue, Wilford C. (See Christensen, H. D., La Rue, and Zackerson.)
Latimer, William W., Detroit, Mich. Hoisting apparatus. 2,121,565; June 21.
Latta, David W., assignor to Hercules Motors Corporation, Canton, Ohio. Governor controlled compression ignition internal combustion injection engine. 2,121,666; June 21.
Lawler, James, assignor to Hazard Advertising Corporation, New York, N. Y. Basket-type floor merchandiser. 2,121,155; June 21.
Layne, Leslie A. (See Park, Tracy S., assignor.)
Layne, Leslie A., A. L. Roco, and H. C. Block; said Roco and Block assignors to said Layne, Houston, Tex. Screw off packer. 2,120,981; June 21.
Layne, Leslie A., Houston, Tex. Lead seal. 2,120,982; June 21.
Layne, Leslie A., Houston, Tex. Strainer for wells. 2,120,983; June 21.
Lee, Frederick S. (See Roland, William E., assignor.)
Lee, John J., Wilmington, Calif. Rotary vegetable cutter. 2,121,089; June 21.
Leeworthy, Walter R., Youngstown, Ohio. Scaffold bracket. 2,121,704; June 21.
Le Fevre, Walter J. (See Britton, E. C., and Le Fevre.)
Leigh, Nathan J., Great Neck, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Basket-type floor merchandiser. 2,121,156; June 21.
Leines, Otto E., Moose Jaw, Saskatchewan, Canada. Trailer hitch. 2,121,705; June 21.
Lemmers, Eugene, Cleveland, Ohio, assignor to General Electric Company. Electric discharge device. 2,121,638; June 21.
Lemmers, Eugene, Cleveland, and H. M. Fernberger, Cleveland Heights, Ohio, assignors to General Electric Company. Electrode for electric discharge devices. 2,121,637; June 21.
Lempereur, Maurice, and C. Vincent, Brussels, Belgium, assignors to Bendix Aviation Corporation, South Bend, Ind. Preselector device for controlling sliding pinion gear boxes. 2,121,157; June 21.
Leray, Gustave, Paris, France, assignor, by mesne assignments, to O. R. Barnett, Chicago, Ill. High intensity reflector. 2,121,566; June 21.
Lett, Frederic T., Iver, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Wireless and like receiver. 2,120,984; June 21.
Levene, Hyman H. L. (See Pyman, F. L., and Levene.)
Linde Air Products Company, The. (See Hardy, Charles, assignor.)
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Oscillation generator. 2,121,158; June 21.
Lindsey, William D., South Orange, N. J., assignor, by mesne assignments, to The Sealand Corporation. Signal system. 2,121,357; June 21.
Linnert, Arnold L., and W. P. Hall, assignors to Joseph Bancroft & Sons Co., Wilmington, Del. Blueprint, photo-vellum, and similar sensitized cloths. 2,121,205; June 21.
Little, Daniel W., Chicago, Ill. Internal combustion engine operated drill. 2,121,706; June 21.
Lloyd, Richard L., deceased, Great Neck, N. Y. (S. W. Lloyd executrix), and R. W. Hyde, Summit, N. J., assignors to Dwight & Lloyd Sintering Company, Inc., New York, N. Y. Making copper oxides. 2,121,602; June 21.
Lloyd, Stella W., executrix. (See Lloyd, R. L., and Hyde.)
Lockwood, Lewis B. (See Wells, P. A., Lockwood, and Stubbs.)
Loeffler, Albert, New York, N. Y. Tooth brush. 2,121,358; June 21.
Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control apparatus. 2,121,546; June 21.
Lomax, Clarence E., Oak Park, and J. H. Voss, Downers Grove, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,121,159; June 21.
London, Daniel D., New York, N. Y. Device for discouraging false alarms. 2,121,206; June 21.
Loose, Kenneth D., Bronxville, N. Y., and C. W. Watkins, and J. W. Green, Dayton, Ohio, assignors to Loose-Wiles Biscuit Company, Long Island City, N. Y. Baked article. 2,121,128; June 21.
Loose-Wiles Biscuit Company. (See Loose, K. D., Watkins, and Green, assignors.)
Lott, William A. (See Christiansen, W. G., and Lott.)
Lotz, Albert, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Producing selenium rectifiers. 2,121,603; June 21.
Lotz, R. W., trustee, et al. (See Cowles, Irving, assignor.)
Loud, Stanley D. (See Farmer, F. T., and Loud.)
Love, Lawrence S., Great Neck, N. Y. Starter clutch for internal combustion engines. 2,121,547; June 21.
Lovejoy, Fred C., St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel and its attachment to shoe. 2,121,172; June 21.
Lowry, Erwin F. (See Knowles, D. D., and Lowry.)
Lowry, Erwin F., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alloy. 2,121,750; June 21.
Lowry, Erwin F., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Hot cathode tube with metal envelope. 2,121,761; June 21.

Lowry, Erwin F., Batavia, Ill., and H. Diamond, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge device. 2,121,760; June 21.

Luck, David G. C., Haddon Heights, and L. E. Norton, Collingswood, N. J., assignors to Radio Corporation of America. Apparatus for timing of periodic events. 2,121,359; June 21.

Lückerath, Frans. (See Winter, E., and Lückerath.)

Lum, Walter O., West Caldwell, N. J., assignor to General Electric Company. Hot water heating control device. 2,121,639; June 21.

Lusher, Albert C., and D. L. Spender, assignors to Scovill Manufacturing Company, Waterbury, Conn. Hose nozzle. 2,121,741; June 21.

Lynch, Joseph J., Upper Montclair, and R. Semke and H. J. Womsley, assignors to Foot Filter, Inc., Jersey City, N. J. Foot deodorant pad. 2,121,604; June 21.

Lynn, Ewing K., and W. S. Abraham, East McKeesport, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Reservoir release valve. 2,121,548; June 21.

Lyons, Harry C., Mount Vernon, N. Y. Invisible suspender. 2,121,251; June 21.

Lytle, Leroy H., Alliance, Ohio. Thread protector. 2,121,436; June 21.

Macomber, Clarence H., administrator. (See Bass, S. L., and Van Duzee.)

Macpherson, William M., Arlington, Va. Vegetation bearing cellular structure and system. 2,121,173; June 21.

Maginnis, William P., Upper Darby, Pa., assignor to Radio Corporation of America. Audio frequency volume control means. 2,121,091; June 21.

Malloy, Frank J. (See Donovan, J. F., and Malloy.)

Malone, Mackey K., Wills Point, Tex., assignor to K-D Manufacturing Company, Lancaster, Pa. Drive belt applying and removing tool. 2,121,129; June 21.

Malter, Louis, Collingswood, and J. A. Rajchman and R. R. Goodrich, 2nd, Camden, N. J., assignors to Radio Corporation of America. Electronic oscillator. 2,121,360; June 21.

Manley, Robert E., Beacon, assignor to The Texas Company, New York, N. Y. Liquid level control apparatus. 2,121,324; June 21.

Manley, Robert E., B. Y. McCarty, and H. H. Gross, Beacon, assignors to The Texas Company, New York, N. Y. Solvent refining process. 2,121,323; June 21.

Marco, Fred W., Albany, assignor, by mesne assignments, to Kite Mold Company, Los Angeles, Calif. Tire retreading machine. 2,121,252; June 21.

Mardin, Paul L., and E. A. Binney, Ilkley, assignors to The English Electric Company Limited, London, England. Electric traction motor control system. 2,121,605; June 21.

Marbois, Richard C., assignor to Belmont Radio Corporation, Chicago, Ill. Radio receiver dial apparatus. 2,121,762. June 21.

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Production of cisandrosterone. 2,121,483; June 21.

Marlin-Rockwell Corporation. (See Barish, Thomas, assignor.)

Marran, Martin J., Oakland, Calif, assignor, by mesne assignments, to California Typewriter & Adding Machine Co., Inc. Office equipment cleaning process. 2,121,361; June 21.

Marten, Paul J., San Francisco, Calif. Valve guide. 2,121,362; June 21.

Martin, James V., Garden City, N. Y. Vehicle suspension. 2,121,504; June 21.

Martin-Parry Corporation. (See Small, Frederick M., assignor.)

Martling, Harvey B., Nashville, Tenn. Bookbinding. 2,121,505; June 21.

Marx, Louis, & Company. (See Knutson, Eric E., assignor.)

Mason, George L., Warehouse Point, Conn., assignor to Springfield Wire & Tinsel Co., West Springfield, Mass. Method and machine for producing coiled wire bunches. 2,121,527; June 21.

Massini, Alvin A., Wheeling, W. Va. Apparatus for applying a plurality of articles to a backboard. 2,121,484; June 21.

Master Tool Company. (See Nagel, Edward E., assignor.)

Matthews, Floyd C., Fairlawn, N. J. Change motion mechanism for Jacquard loom. 2,121,092; June 21.

Mauser-Werke A.-G. (See Ebert, Fritz, assignor.)

Mauss, Hans. (See Mietzsch, F., and Mauss.)

Maxmoor Corporation. (See Moore, Arlington, assignor.)

Maynard, William H., assignor to Porter Screen Company, Winooski, Vt. Window screen. 2,121,174; June 21.

McAllister, Walter H., and R. A. Duncan, Wyoming, and O. T. Quimby, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Aqueous solutions of soluble heavy metal salts of sulphonated aliphatic compounds. 2,121,485; June 21.

McCabe, Ira E. (See Huncliker, Karl, assignor.)

McCarty, Bernard Y. (See Manley, R. E., McCarty, and Gross.)

McConnell, Elliott B., Shaker Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Making asphalt. 2,121,437; June 21.

McCrea, Arthur M., Lamar, Mo., assignor to Western Cartridge Company, East Alton, Ill. Target trap. 2,121,763; June 21.

McCulloch, Leon, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Coating for ferrous alloys. 2,121,606; June 21.

McGee, Frank R., Steubenville, Ohio. Valve. 2,121,707; June 21.

McIlvaine, Oran T., St. Charles, Ill. Oscillator. 2,121,607; June 21.

McLaughlin, Thomas F., Boston, Mass. Game apparatus. 2,121,742; June 21.

McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Chair. 2,121,130; June 21.

McGuffey, Orton S., assignor to Kold-Hold Manufacturing Company, Lansing, Mich. Heat exchanger and accumulator. 2,121,253; June 21.

McGuire, Donald E. (See Clauss, J. A., and McGuire.)

McKay Company, The. (See McGowen, William R., assignor.)

McNeal, Donald L., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Diaphragm valve. 2,121,549; June 21.

McNeil, William M. (See Ballard, B. T., McNeil, and Hurd.)

Mechanical Handling Systems Inc. (See Francis, Lynn M., assignor.)

Medellin, T. Jose, San Luis Potosi, Mexico. Device for the sharpening of razor blades. 2,121,438; June 21.

Meinke, Arthur E., Minneapolis, Minn. Locking differential. 2,121,254; June 21.

Melhose, Alfred E., St. Albans, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic device. 2,120,985; June 21.

Mennesson, Marcel, assignor to Societe Anonyme Solex, Neuilly-sur-Seine, France. Carburetor. 2,121,506; June 21.

Menzel, Carl A., Homewood, Ill. Mold. 2,121,439; June 21.

Merchen, Glen G., Spokane, Wash. Hopper and agitator. 2,121,486; June 21.

Merk, George S., Flushing, N. Y., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Bag frame structure. 2,121,528; June 21.

Merrill, David R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Solvent extraction of oil. 2,121,325; June 21.

Merrill, Harry L., Nashua, N. H., assignor to Harder Refrigerator Corporation, Cobleskill, N. Y. Refrigerator. 2,121,640; June 21.

Mickley, Erich, Berlin-Zehlendorf, Germany, assignor to General Electric Company. Electric incandescent lamp. 2,121,641; June 21.

Mietzsch, Frits, Wuppertal-Elberfeld, and H. Mauss, Wuppertal-Barmen, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. New basically substituted acridine compounds. 2,121,207; June 21.

Miguel, Joseph H., St. Albans, assignor to L. E. Karcher, Middle Village, Long Island, N. Y., and himself, trading under the name and style of Miguel Non-Clog Core Company. Radiator construction. 2,121,708; June 21.

Miguel Non-Clog Core Company. (See Miguel, Joseph H., assignor.)

Milbank, Harold. (See Cone, Ralph R., assignor.)

Miles, Forrest G. (See Flynt, Robert C., assignor.)

Millan, Edward N., assignor to The American Rolling Mill Company, Middletown, Ohio. Conveyer and method. 2,121,388; June 21.

Miller, Hattie, et al. (See Wright, Elam W., assignor.)

Miller, Osborn M., assignor of one-half to American Geographical Society, New York, N. Y. Mirror suitable for map plotting devices. 2,121,255; June 21.

Milligan, Charles H., Westfield, assignor to The American Agricultural Chemical Company, Newark, N. J. Production of monocalcium phosphate. 2,121,208; June 21.

Mills, Lindley E., assignor to The Dow Chemical Company, Midland, Mich. Insecticidal compositions. 2,121,038; June 21.

Mills, Lindley E., assignor to The Dow Chemical Company, Midland, Mich. Insecticidal compositions comprising dinitro-cresols. 2,121,039; June 21.

Miner, W. H., Inc. (See Olander, Roland J., assignor.)

Minneapolis-Honeywell Regulator Company. (See Kronmiller, Carl G., assignor.)

Minor, Burt S., San Pedro, Calif., assignor to Regan Forge & Engineering Company. Sheave block construction. 2,121,256; June 21.

Moncrieff, Robert W., and C. W. North, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of textile materials. 2,121,040; June 21.

Monsanto Chemical Company. (See Gardner, H. A., and Kirkpatrick, assignors.)

Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Forming and distributing charges for internal combustion engines. 2,121,529; June 21.

Moore, William F., Bayside, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Treatment of hydrocarbon oil. 2,121,209; June 21.

Morfit, Charles C., Brooklyn, and R. H. Sweetser, New York, N. Y. Preparation and use of metallic oxides and solid fuels. 2,121,160; June 21.

Morgan, James W. (See Dennis, J., and Morgan.)

Morgan, Merton W., assignor to Poole Foundry & Machine Company, Baltimore, Md. Flexible shaft coupling. 2,121,507; June 21.



Morgan, Willard L., Calumet City, Ill., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Making container closures. 2,121,042; June 21.

Morgan, Willard L., Hammond, Ind., assignor to Sylvania Industrial Corporation, New York, N. Y. Marked material and producing the same. 2,121,041; June 21.

Moriarty, John J., Toronto, Ontario, Canada, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Leather-like material and producing same. 2,121,709; June 21.

Morin, George G., and E. J. Carleton, Holyoke, Mass. Control for fluid pressure devices. 2,121,389; June 21.

Morris, Joseph E., Pasadena, Calif. Closure structure. 2,120,986; June 21.

Morrison, William N., Los Angeles, Calif. Key ring hook. 2,121,440; June 21.

Norton Company. (See Sanford, Basils, assignor.)

Motok, George T. (See Smith, R. C., and Motok.)

Motor Wheel Corporation. (See Johnson, Stanley N., assignor.)

Mountjoy, Garrard. (See Foster, D. E., and Mountjoy.)

Mumford, L. D., et al. (See Hill, Richard D., assignor.)

Mumholland, William M. (See Coe, J. S., and Mulholland.)

Müller, Frits. (See Scherer, O., Schumacher, and Müller.)

Mullins Manufacturing Company. (See Stanits, Jacques, assignor.)

Mumma, Lawson E. (See Bisey, G. W., Mumma, and Vosler.)

Munch, Gustave E., Chicago, Ill. Traffic signal. 2,121,093; June 21.

Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Door latch structure. 2,121,530; June 21.

Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Door latch structure. 2,121,531; June 21.

Murray, Alan E., New York, N. Y. Producing orthopedic shoes and product thereof. 2,120,987; June 21.

Myers, Joseph F., Carthage, Mo. Burial vault. 2,121,363; June 21.

Nagel, Edward E., Lakewood, Ohio, assignor to Master Tool Company. Operating valve for pneumatic hammers. 2,121,364; June 21.

National Colortype Company, The. (See Ryder, Charles D., assignor.)

National Pigments and Chemical Company. (See Baernstein, Malvin A., assignor.)

Neal, Arthur M. (See Williams, L., and Neal.)

Nelson, Jabez C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Agitator for washing machines. 2,121,471; June 21.

Nesset, Naurice M. (See Eriksen, E. W., and Nesset.)

Neufeld, Curt, Fairview, N. J. Brush. 2,121,161; June 21.

Newcomer, Harry S., New York, N. Y. Afocal opposed plane cylindrical anamorphosers. 2,121,567; June 21.

Newcomer, Harry S., New York, N. Y. Anamorphosing light flux system. 2,121,568; June 21.

Nichols, Arthur W., Roseville, Calif. Attachment for air hammers. 2,121,487; June 21.

Nichols Engineering & Research Corporation. (See Hartley, H. J., and Baird, assignors.)

Niederl, Joseph B., and R. A. Smith, New York, N. Y., assignors to Röhm & Haas Company, Philadelphia, Pa. Oxidation products of octyl cyclohexanol. 2,121,472; June 21.

Nielsen, Adolph E., assignor of one-sixth to J. W. Ricketts, one-sixth to D. A. Darini, and one-third to R. F. Dickey, Alameda, Calif. Threadless interlocking rotary drill pipe coupling. 2,121,710; June 21.

Nisbet, Kenneth R., Washington, D. C. Circuit breaker. 2,121,441; June 21.

Noble, Warren, Michigan City, Ind., assignor to Sullivan Maching Company. Cutter chain. 2,121,043; June 21.

Noble, Warren, Michigan City, Ind., assignor to Sullivan Machinery Company. Cutter chain. 2,121,044; June 21.

Nofs, Henry, Berkeley, Calif. Tooth brush holder. 2,121,488; June 21.

Nord, Gustav J., Asheville, N. C. Process of and apparatus for isolating and treating the fibers of lechuguilla plant and related species. 2,121,210; June 21.

Nordsiek, Frederic W., assignor, by mesne assignments, to The Sanoderm Company, Inc., New York, N. Y. Manufacturing culture. 2,121,442; June 21.

Novo Engine Company. (See Flan, Charles O., assignor.)

North American Holding Corporation et al. (See Sackett, Ernest D., assignor.)

North, Charles W. (See Moncrieff, R. W., and North.)

Norton Company. (See Belden, Albert G., assignor.)

Norton Company. (See Cole, Raymond A., assignor.)

Norton Company. (See Ridgway, R. R., and Bailey, assignors.)

Norton Company. (See Webster, Duane E., assignor.)

Norton, Lowell E. (See Luck, D. G. C., and Norton.)

Novak, John G. (See Reily, G. A., and Novak.)

Nuding, Jacob J., and J. Pollak, Chicago, Ill. Back-set metal stash. 2,121,094; June 21.

Nyman, Alexander, Weehawken, N. J. Induction motor. 2,121,550; June 21.

Oakite Products, Inc. (See Hershman, Paul R., assignor.)

O'Donnell, Edward P., Oklahoma City, assignor to B. F. Kelley, Tulsa, Okla. Walking hobbyhorse. 2,121,257; June 21.

Ohio Chemical and Manufacturing Company, The. (See Heldbrink, Jay A., assignor.)

Ohnrich, Alfons, Horni Litvinov, Czechoslovakia. Governor means. 2,121,508; June 21.

Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Combined clutch and friction retarding means for hand brakes. 2,121,095; June 21.

Oliver, Walter E., Somerville, Mass. Manifold pack. 2,121,096; June 21.

Olsson, Bruno, St. George, N. Y. Tearing means for wrappers of cellophane and the like. 2,121,443; June 21.

O'Neil, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Coating sheet metal cans. 2,121,404; June 21.

Oriol, André-Marie. (See Picard, R., and Oriol.)

Osrow, Adolph L., New York, N. Y. Electric cooker and toaster. 2,121,444; June 21.

Osterstrom, Rudolph C., and C. R. Wagner, assignors to The Pure Oil Company, Chicago, Ill. Polymerization of hydrocarbon gases. 2,121,258; June 21.

Owens-Illinois Glass Company. (See Soubier, Leonard D., assignor.)

Oyen, Cornelius V., Chicago, Ill. Liquid gauge. 2,121,743; June 21.

Packard Motor Car Company. (See Best, Frank C., assignor.)

Packard Motor Car Company. (See Tibbetts, Milton, assignor.)

Padva, Philip, Los Angeles, and L. J. Cannon, Taft, assignors to Cannon & Co., Los Angeles County, Calif. Automatic line tracker. 2,121,211; June 21.

Panabaker, David D., St. Mary's, Ontario, Canada. Ratchet gear mechanism. 2,121,405; June 21.

Pardee, Frank, J., assignor to Anthracite Separator Company, Hazelton, Pa. Car dumping apparatus. 2,121,365; June 21.

Park, Tracy S., assignor to L. A. Layne, Houston, Tex. Screen washer. 2,120,988; June 21.

Parke, Davis & Company. (See Marker, Russell E., assignor.)

Parker, Arthur H. (See Sebell, Harry, assignor.)

Parshad Holding Corporation et al. (See Sackett, Ernest D., assignor.)

Parsons, Fred A., Milwaukee, Wis. Thermostatic elements. 2,121,259; June 21.

Parsons, John S., Swissvale, and G. O. Harrison, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Network system of distribution. 2,121,608; June 21.

Patts, Nickolas J., Dallas, Tex. Condiment holder. 2,121,711; June 21.

Paynter, Horace J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Viscosity control. 2,121,045; June 21.

Peddicord, Paul G., Piqua, Ohio, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing apparatus. 2,121,349; June 21.

Pedersen, Charles J. (See Downing, F. B., and Pedersen.)

Peel, Frederick W. (See Roberts, D., and Peel.)

Penick & Ford, Ltd. (See Kesler, Carl C., assignor.)

Pennsylvania Industrial Chemical Corporation. (See Corkery, Frank W., assignor.)

Peters, Alfred. (See Brodersen, K., and Peters.)

Peters, Frederick W., Cleveland, Ohio. Sealing means. 2,121,299; June 21.

Peterson, Johann G., West Hartford, Conn. Electric switch. 2,121,569; June 21.

Peterson, Johann G., West Hartford, Conn. Electric switch. 2,121,570; June 21.

Peterson, Johann G., West Hartford, Conn. Electric switch. 2,121,571; June 21.

Petri, Peter, Pittsburgh, Pa. Spring curtain threader. 2,121,712; June 21.

Pevere, Ernest F., Beacon, assignor to The Texas Company, New York, N. Y. Pour point reducer. 2,121,326; June 21.

Pew, Arthur E., Jr., Bryn Mawr, Pa., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del. Conversion and treatment of mineral oils. 2,121,046; June 21.

Peyern, Louis, Paris, France. Apparatus for atomizing. 2,121,300; June 21.

Pfannenstiehl, Harry, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanical drive. 2,120,989; June 21.

Pfeiffer, Frederick, Freeport, N. Y. Electric plug. 2,121,713; June 21.

Philadelphia Drying Machinery Company, The. (See Allsop, T., and Sibson, assignors.)

Phillips-Jones Corporation. (See Rosenbloom, Moses, assignor.)

Phillips, Paul D., Elmhurst, assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Lighting construction. 2,121,260; June 21.

Picard, René, Paris, and A.-M. Oriol, St.-Just-des-Marais, France, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial thread. 2,120,990; June 21.

Pieper, Chester R. (See Heinrich, W. A., and Pieper.)

Pilkington, Norman. (See Wilkinson, H., and Pilkington.)

Plantinga, Oliver S. (See Kokatnur, V. R., and Plantinga.)

Platt Brothers and Company Limited. (See Wilkinson, H., and Pilkington, assignors.)

Plume & Atwood Manufacturing Company, The. (See Hurlbut, Gordon B., assignor.)

Pneumatic Scale Corporation. (See Vergobbi, John G., assignor.)

Polden, R. E., Limited. (See Polden, R. E., and Hawkings, assignors.)

Polden, Reginald E., Tolworth, and W. C. Hawkings, Hook, Surbiton, assignors to R. E. Polden, Limited, London, England. Spectacle frame joint. 2,121,572; June 21.

Polk, Ralph B., and R. Polk, Jr., Haines City, Fla. Segregating integument-free fruit segments. 2,121,097; June 21.

Polk, Ralph B., and R. Polk, Jr., Haines City, Fla. Apparatus for segmenting fruit. 2,121,098; June 21.

Polk, Ralph, Jr. (See Polk, Ralph B., and R. Polk, Jr.)

Pollak, Julius. (See Nuding, J. J., and Pollak.)

Pollard, Joseph F., Newburyport, assignor, by mesne assignments, to The International Leather Company, Boston, Mass. Treating leather board. 2,121,668; June 21.

Poole Foundry & Machine Company. (See Morgan, Merton W., assignor.)

Pope, Colbert C., and H. T. Slaton, Mineral Wells, Tex. Tooth powder dispenser. 2,121,047; June 21.

Porrman, Richard. (See Uhl, J., and Porrman.)

Porter Screen Company. (See Maynard, William H., assignor.)

Potts, Louis M., Evanston, Ill., assignor, by mesne assignments, to Teletypesetter Corporation. Line coating and composing machine. 2,121,048; June 21.

Power, James T., assignor to Atlas Powder Company, Wilmington, Del. Print roll composition. 2,121,131; June 21.

Power Patents Company. (See Brandt, David G., assignor.)

Powers, Rolla E., Westfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Phase sequence apparatus. 2,121,600; June 21.

Price, Osborne I., Frederick, Md., assignor, by mesne assignments, to General Motors Corporation, Dayton, Ohio. Refrigeration apparatus. 2,121,049; June 21.

Procter & Gamble Company, The. (See McAllister, W. H., Duncan, and Quimby, assignors.)

Prompt, Lucien L. J., Colombes, France. Control mechanism. 2,121,445; June 21.

Prytherch, William E. (See Haughton, J. L., and Prytherch.)

Pure Oil Company, The. (See Osterstrom, R. C., and Wagner, assignors.)

Purifoy, Absolom D., Mobile, Ala. Vermin eliminating device. 2,121,406; June 21.

Purington, Ellison S., assignor to J. H. Hammond, Jr., Gloucester, Mass. Torpedo. 2,121,446; June 21.

Putterman, Benjamin, Brooklyn, N. Y., assignor to Yankee Metal Products Corp., Norwalk, Conn. Mirror device. 2,121,099; June 21.

Pyman, Frank L., and H. H. L. Levene, assignors to Boot's Pure Drug Company Limited, Nottingham, England. Tetra n-alkyl long chain alkylene diamines and preparing them. 2,121,509; June 21.

Quayle, George, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Co., Stamford, Conn. Hand lift truck. 2,121,764; June 21.

Quick, Cecil G., D. A. Ball, and W. A. Whitehead, London, England, assignors to R. Hoe & Co., Inc., New York, N. Y. Delivery mechanism for use with printing machines. 2,121,327; June 21.

Quimby, Oscar T. (See McAllister, W. H., Duncan, and Quimby.)

Ratcliffe, Edwin M., Nottingham, England. Magnetic lock and key. 2,121,301; June 21.

Racusin, Eli. (See Habe, Frank J., assignor.)

Radio Corporation of America. (See Beers, George L., assignor.)

Radio Corporation of America. (See Brown, C. H., and Roberts, assignors.)

Radio Corporation of America. (See Burt, Alexander D., assignor.)

Radio Corporation of America. (See Foster, Dudley E., assignor.)

Radio Corporation of America. (See Fowler, Lester T., assignor.)

Radio Corporation of America. (See Foster, D. E., and Mountjoy, assignors.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Jarvis, Kenneth W., assignor.)

Radio Corporation of America. (See Klinedinst, M. S., Gumby, and Belar, assignors.)

Radio Corporation of America. (See Lindenblad, Nils E., assignor.)

Radio Corporation of America. (See Luck, D. G. C., and Norton, assignors.)

Radio Corporation of America. (See Maginnis, William P., assignor.)

Radio Corporation of America. (See Malter, L., Rajchman, and Goodrich, assignors.)

Radio Corporation of America. (See Reid, John D., assignor.)

Radio Corporation of America. (See Seeley, Stuart W., assignor.)

Radio Corporation of America. (See van de Riet, Abraham, assignor.)

Raduner & Co. A.-G. (See Boner, Christian, assignor.)

Ragan, Thomas M., and C. E. Burt, Los Angeles, assignors to Baker Oil Tools, Inc., Huntington Park, Calif. Hydraulically controlled cement retainer. 2,121,050; June 21.

Ragan, Thomas M., and C. E. Burt, Los Angeles, assignors to Baker Oil Tools, Inc., Huntington Park, Calif. Cement retainer. 2,121,051; June 21.

Rajchman, Jan A. (See Malter, L., Rajchman, and Goodrich.)

Ramsdell, Leroy P., La Porte, Ind. Demonstrating device. 2,121,212; June 21.

Ramsey, Joseph M., Wilmar, Calif. Animal feeder. 2,121,407; June 21.

Rasmussen, Wilfred C. (See Szabó, Basil V., assignor.)

Raspe, Friedrich. (See Weise, P., and Raspe.)

Raspe, Friedrich, and H. Giese, Leverkusen I. G. Werk, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Artificial cellulosic material. 2,121,408; June 21.

Regan Forge & Engineering Company. (See Minor, Burt S., assignor.)

Reid, J. W., et al. (See Wright, Elam W., assignor.)

Reid, John D., Philadelphia, Pa., assignor to Radio Corporation of America. Oscillator stabilising circuit. 2,121,447; June 21.

Reilly, George A., and J. G. Novak, Milwaukee, Wis. Spring shank for shoes. 2,121,261; June 21.

Reiman, Clarence K. (See Birdseye, C., and Reiman.)

Reiman, Clarence K., Newton, and J. F. Cook, Jr., West Roxbury, Mass., assignors to Birdseye Electric Company. Reflecting electric lamp. 2,121,765; June 21.

Renault, Louis. (See Salves, Léon, assignor.)

Republic Steel Corporation. (See Smith, E. C., and Motok, assignors.)

Research Corporation. (See Cottrell, Frederick G., assignor.)

Reynolds, Joseph H., et al. (See Beckler, Oakley K., assignor.)

Ricardo, Harry R., London, England. Two-stroke internal combustion engine. 2,121,409; June 21.

Ricketts, John W., et al. (See Nielsen, Adolph E., assignor.)

Ridge Tool Company, The. (See Black, Wayne C., assignor.)

Ridge Tool Company of Elyria, The. (See Jackman, Elmer F., assignor.)

Ridgway, Raymond R., and B. L. Bailey, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass. Electric furnace. 2,121,744; June 21.

Riesmeyer, Robert G., Clayton, Mo. Organ key-control apparatus. 2,121,262; June 21.

Rigby, George W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of dinitriles. 2,121,551; June 21.

Riley, John A., Toledo, Ohio. Towel. 2,121,162; June 21.

Ritzau, Günther, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Hard metal composition. 2,121,448; June 21.

Roberts, Dudley, New York, N. Y., and F. W. Peel, London, England, assignors to Rubatex Products, Inc., Wilmington, Del. Pontoon, float, and the like. 2,121,052; June 21.

Roberts, Walter van B. (See Brown, C. H., and Roberts.)

Robertson, E. M., et al. (See Hill, Richard D., assignor.)

Robertson, Edgar C., Western Springs, assignor to The Translode Joint Company, Chicago Heights, Ill. Road joint brace. 2,121,302; June 21.

Robertson, Frederick N., Vancouver, British Columbia, Canada. Door lock. 2,121,263; June 21.

Robertson, Robert R., Chicago, assignor to The Translode Joint Company, Chicago Heights, Ill. Double dowel bar expansion joint. 2,121,303; June 21.

Robertson, Robert R., Chicago, assignor to The Translode Joint Company, Chicago Heights, Ill. Expansion joint. 2,121,573; June 21.

Robinson, Francis T., Rockville Centre, assignor to Arkell Safety Bag Company, New York, N. Y. Lining for containers and machine for and method of forming the same. 2,121,053; June 21.

Robinson, Harold C., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Start-stop distributor system. 2,121,163; June 21.

Robinson, Harold C., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Totalizing system. 2,121,164; June 21.

Robinson, Herbert M., Philadelphia, assignor to American Die & Tool Company, Reading, Pa. Braking mechanism. 2,121,366; June 21.

Rochte, Augustine T., Tiffin, Ohio. Peening tool. 2,121,660; June 21.

Roco, Albert L. (See Layne, L. A., Roco, and Block.)

Roesch, Frank P., Chicago, Ill., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Locomotive tender. 2,121,328; June 21.

Röhm & Haas Company. (See Niederl, J. B., and Smith, assignors.)

Röhm & Haas Company. (See Waldschmidt-Leitz, E., and Ziegler, assignors.)





Roland, William E., assignor of one-half to F. S. Lee, Los Angeles, Calif. Quotation board. 2,121,390; June 21.

Romig, Gerald C., Elkins Park, assignor to American Chemical Paint Company, Ambler, Pa. Coating zinc. 2,121,674; June 21.

Rose, Frederick E., Kansas City, Mo. Window construction. 2,121,714; June 21.

Rosenbaum, David, Baltimore, Md., assignor of one-half to F. M. Stevenson. Convertible cot and duplex chair. 2,121,100; June 21.

Rosenbloom, Meese, Pottsville, Pa., assignor to Phillips-Jones Corporation, New York, N. Y. Garment. 2,121,304; June 21.

Rosenblum, Israel, Jackson Heights, N. Y. Synthetic resin. 2,121,642; June 21.

Round, Mark, Old Hill, England. Packing case. 2,121,410; June 21.

Rowe, Marion H., et al. (See Beckler, Oakley K., assignor.)

Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Wire connecter. 2,121,329; June 21.

Rubatex Products, Inc. (See Roberts, D. and Peel, assignors.)

Rubottom, Albert L., Kansas City, Mo. Automobile awning. 2,121,264; June 21.

Ruffcorn, Charles B., Seattle, Wash. Weeder. 2,121,265; June 21.

Rugg, Harold H., Wilkinsburg, and P. S. Graham, Turtle Creek, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Distribution apparatus. 2,121,610; June 21.

Russell, Richard E., Providence, R. I., assignor to The Textile-Finishing Machinery Company. Teatering machine. 2,121,101; June 21.

Rusler, George W., Verona, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Cable tie or fastening. 2,121,510; June 21.

Rustless Iron and Steel Corporation. (See Arness, William B., assignor.)

Rustless Iron and Steel Corporation of America. (See Arness, William B., assignor.)

Rutledge, George E., and E. H. Davidson, assignors to Vassar Company, Chicago, Ill. Knit breast pocket for garments and producing same. 2,121,489; June 21.

Ryder, Charles D., Covington, assignor to The National Colortype Company, Bellevue, Ky. Light reflecting means. 2,121,133; June 21.

Rydholm, Carl O. (See Henrickson, Gust A., assignor.)

S. & S. Corrugated Paper Machinery Co. (See Shields, Frank S., assignor.)

Sackett, Ernest D., West Somerville, Mass., assignor of one-half to North American Holding Corporation, and one-half to Parshad Holding Corporation, Syracuse, N. Y. Composition of matter and making. 2,121,745; June 21.

Saenger, Hugo F., Milwaukee, Wis. Trousers hanger. 2,121,715; June 21.

St. John, Charles B., St. Paul, Minn. Adjustable counter partition. 2,121,492; June 21.

Salves, Léon, assignor to L. Renault, Billancourt, France. Construction of fuselages, vehicle bodies, and the like. 2,121,670; June 21.

Salnikov, Ivan S., Seminole, Okla., assignor to Standard Oil Development Company. Pressure gauge. 2,120,991; June 21.

Salsberg, Paul L., Carrcroft, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Naphthenyl esters of phosphorous acids. 2,121,611; June 21.

Sand, William G. (See Fuhrmann, W., and Sand.)

Sanford, Baalis, assignor to Norton Company, Worcester, Mass. Composite abrasive wheel. 2,121,746; June 21.

Samoderm Company, The. (See Nordsiek, Frederic W., assignee.)

Sargen, Anthony M. (See Sargen, Michael J. and A. M.)

Sargen, Michael J. and A. M., assignors to Grand Specialties Company, Chicago, Ill., Door stop. 2,121,490; June 21.

Satterlee, Howard A., Needham, assignor to Submarine Signal Company, Boston, Mass. Apparatus and method for controlling rotation. 2,121,054; June 21.

Sauer, George, Berwyn, assignor to Union Special Machine Company, Chicago, Ill. Feed mechanism for sewing machines. 2,121,132; June 21.

Savage, Edward S., Rochester, N. Y. Toy. 2,121,175; June 21.

Schaake, William, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Current collecting device. 2,121,612; June 21.

Scherer, Otto, W. Schumacher, and F. Müller, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Benzene derivatives containing halogenated methyl groups and preparing them. 2,121,330; June 21.

Schiller, Georg, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Catalytically hydrogenating high-molecular nonaromatic carboxylic acids. 2,121,507; June 21.

Schiller, Georg, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Catalytically hydrogenating metal salts of high molecular nonaromatic carboxylic acids. 2,121,508; June 21.

Schimmelschmidt, Kurt. (See Zahn, K., and Schimmelschmidt.)

Schlesinger, Georg, Brussels, Belgium, assignor to Aktiengesellschaft für Holzveredlung, Zurich, Switzerland. Closure for barrels and the like. 2,121,511; June 21.

Schley, Jack A., et al. (See Beckler, Oakley K., assignor.)

Schlichenmaier, Hans. (See Kränzlein, G., Schlichenmaier, and Schörnig.)

Schneiderwirth, Herman J., Laureltop, N. Y. 2-amino-8-hydroxy-quinoline and its salts and producing the same. 2,121,449; June 21.

Scholtes, Albert J., Biloxi, Miss., assignor to Scovill Manufacturing Company, Waterbury, Conn. Hose nozzle. 2,121,747; June 21.

Schörnig, Ludwig. (See Kränzlein, G., Schlichenmaier, and Schörnig.)

Schrader, Hans, and H. Stahl, Essen-Ruhr, assignors to Th. Goldschmidt Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Manufacture of emulsions. 2,121,305; June 21.

Schraner, A. P., Company. (See Egger, Walter F., assignor.)

Schreiber, Franz, Cologne-Klettenberg, Germany. Deoxidation of technically pure zinc. 2,121,306; June 21.

Schrøder, Carl J. P., Holte, Denmark. Generator for sound oscillations for measuring distance according to the echo principle. 2,121,411; June 21.

Schulte, Walter B., Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill. Treating zinc and product formed thereby. 2,121,412; June 21.

Schultz, Fritz, Baldwin, N. Y. Drainage device. 2,121,613; June 21.

Schumacher, Willy. (See Scherer, O., Schumacher, and Müller.)

Schwartz, George L. (See Arvin, J. A., and Schwartz.)

Schwarze, Bruce H., administrator. (See Schwarze, Herman.)

Schwarze, Herman, deceased, Pontiac, by B. H. Schwarze, administrator, Birmingham, assignor to General Motors Corporation, Detroit, Mich. Ignition starter control. 2,121,671; June 21.

Scofield, Theodore J., assignor to The Sparks-Withington Company, Jackson, Mich. Windshield cleaner. 2,121,266; June 21.

Scott, Philip L., Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Piston valve atomizer. 2,121,102; June 21.

Scovill Manufacturing Company. (See Lusher, A. C., and Spender, assignors.)

Scovill Manufacturing Company. (See Scholtes, Albert J., assignor.)

Sealand Corporation, The. (See Lindsey, William D., assignor.)

Sebell, Harry, Boston, assignor of one-half to A. H. Parker, Lexington, Mass. Machine for making cans. 2,121,236; June 21.

Seeley, Stuart W., Bayside, Flushing, N. Y., assignor to Radio Corporation of America. Frequency variation response circuits. 2,121,103; June 21.

Seiden, Elmer J., Jackson, Mich. Pneumatic tool. 2,120,992; June 21.

Selig, William M., Brighton, assignor to Charles D. White Company, Boston, Mass. Cable connecter fitting. 2,120,993; June 21.

Semke, Richard. (See Lynch, J. J., Semke, and Womsley.)

Sentrop, Johannes T., Wyoming Township, Kent County, Mich. Mold structure. 2,121,450; June 21.

Shaffer, Donald U., Pico, Calif. Rotary-straight-pull jar assembly. 2,121,267; June 21.

Shaffer, Donald U., Pico, Calif. Valve for well testing tools. 2,121,268; June 21.

Shain, Simon, Haverhill, assignor to S. Winer, Swampscott, Mass. Making and applying an arch support for shoes. 2,121,176; June 21.

Shawver, William E. (See Grether, E. F. Shawver, and Du Vall.)

Shields, Frank S., Jamaica, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Running register. 2,121,104; June 21.

Shields, Frank S., Jamaica, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Running register. 2,121,105; June 21.

Shields, John W., assignor, by mesne assignments, to International Door Company, Evansville, Ind. Weatherproof panel structure and making same. 2,121,512; June 21.

Shields, William C., Bombay, N. Y. Leather cutting machine. 2,121,716; June 21.

Shipley, George C., San Antonio, assignor of twenty-five percent to F. Turner, Jr., Midland, Tex. Electric fan. 2,121,177; June 21.

Shoemaker, Richard W., Woodbury, assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Lighting fixture. 2,121,575; June 21.

Sibson, Walter W. (See Allsop, T., and Sibson.)

Siemens & Halske Aktiengesellschaft. (See Karl, Otto, assignor.)

Siemens & Halske Aktiengesellschaft. (See Ritzau, Günther, assignor.)

Siemens and Halske Aktiengesellschaft. (See Vatter, Hans, assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Lapp, Werner, assignor.)

Simson, Vinton E., Winnetka, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Refrigerator car floor rack. 2,121,209; June 21.
Slaton, Henry T. (See Pope, C. C., and Slaton.)
Slobodkin, Simon H., New Rochelle, N. Y. Mixing bowl. 2,121,165; June 21.
Sly, Caryl. (See Berliner, J. F. T., and Sly.)
Small, Frederick M., assignor, by mesne assignments, to Martin-Parry Corporation, York, Pa. Interior paneling. 2,121,213; June 21.
Smith, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine arrangement. 2,121,643; June 21.
Smith, Earle C., Cleveland Heights, and G. T. Motok, Canton, assignors to Republic Steel Corporation, Cleveland, Ohio. Corrosion resisting iron. 2,121,055; June 21.
Smith, Earle C., Cleveland Heights, and G. T. Motok, Massillon, assignors to Republic Steel Corporation, Cleveland, Ohio. Titanium iron alloy. 2,121,056; June 21.
Smith, Earle C., Cleveland Heights, and G. T. Motok, Massillon, assignors to Republic Steel Corporation, Cleveland, Ohio. Arsenic iron alloy. 2,121,057; June 21.
Smith, George M., Milwaukee, Wis. Lawn mower. 2,121,451; June 21.
Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing. 2,121,237; June 21.
Smith, Richard A. (See Niederl, J. B., and Smith.)
Smith, Willa E., San Diego, Calif. Shoulder strap supporter. 2,121,513; June 21.
Smith, W. R. (See Faulkner, Michael, assignor.)
Societe Anonyme Solex. (See Mennesson, Marcel, assignor.)
Solomon, Guillermo, Santiago, Dominican Republic, West Indies. Clamp. 2,121,576; June 21.
Solomon, Nathan L., Brooklyn, N. Y. Wave presser. 2,121,058; June 21.
Sommerborn, L., Sons, Inc. (See Breth, F. W., and Kinsel, assignors.)
Sons, Joseph, Roselle, N. J. Hinge. 2,121,452; June 21.
Soubier, Leonard D., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Machine for decorating surfaces by stencil method. 2,121,491; June 21.
Sousa, Manuel, West Hartford, Conn. Spark plug. 2,121,178; June 21.
Southern Steel Company. (See White, Loyd J., assignor.)
Sparks-Withington Company, The. (See Scofield, Theodore J., assignor.)
Spender, Donald L. (See Lusher, A. C., and Spender.)
Springfield Wire & Tinsel Co. (See Mason, George L., assignor.)
Squibb, E. R., & Sons. (See Christiansen, W. G., and Lott, assignors.)
Stahl, Herbert. (See Schrader, H., and Stahl.)
Standard Oil Company (Ohio), The. (See Burk, R. E., and Hughes, assignors.)
Standard Oil Company, The. (See McConnell, Elliott B., assignor.)
Standard Oil Development Company. (See Karns, Charles B., assignor.)
Standard Oil Development Company. (See Salnikov, Ivan S., assignor.)
Standard Process Corporation. (See Wale, Bruce, assignor.)
Standard Railway Equipment Manufacturing Company. (See Gilpin, Garth G., assignor.)
Standard Railway Equipment Manufacturing Company. (See Sisson, Vinton E., assignor.)
Standard Stoker Company, The. (See Binney, Charles A., assignor.)
Standard Stoker Company, The. (See Roesch, Frank P., assignor.)
Stanits, Jacques, Warren, assignor, by mesne assignments, to Mullins Manufacturing Corporation, Salem, Ohio. Making sinks. 2,121,672; June 21.
Stark, John, Chester, assignor to Sun Oil Company, Philadelphia, Pa. Cylinder gauge. 2,121,614; June 21.
Stats, John, Worcester, Mass., assignor to The American Steel and Wire Company. Rail bond. 2,121,769; June 21.
Stauffer Chemical Company. (See Zender, Justin, assignor.)
Sterlek Company, The. (See Teall, Oliver E., assignor.)
Stevens, Herbert H., Jr., Lynn, Mass. Slidable partition. 2,121,106; June 21.
Stevens, Roy R. (See Stewart, C. D., and Stevens.)
Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Trip controlled brake. 2,121,552; June 21.
Stevenson, Francis M. (See Rosenbaum, David, assignor.)
Stewart, Carlton D., Swissvale, and R. R. Stevens, Forest Hills, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Reservoir release valve device. 2,121,583; June 21.
Stewarts and Lloyds Limited. (See Bell, William C., assignor.)
Still, Carl, Recklinghausen, Germany. Furnace charging device. 2,121,133; June 21.
Stone, Fred C., Corvallis, Oreg. Trap nest. 2,121,107; June 21.
Straus, Harry H. (See Vincke, Enrique, assignor.)
Streeter-Amet Company. (See Haegele, Otto P., assignor.)
Streich, Philip A., Oshkosh, Wis. Putting game. 2,121,270; June 21.
Strong, James H., Trenton, N. J. Automatic releasing device. 2,121,413; June 21.
Stubbs, Joseph J. (See Wells, P. A., Lockwood, and Stubbs.)
Süberkrüb, Frans, Hamburg, Germany. Device for paddle wheel propellers. 2,121,089; June 21.
Submarine Signal Company. (See Satterlee, Howard A., assignor.)
Suit, George A., Ponca City, assignor to Cities Service Oil Company, Bartlesville, Okla. Stable lime soap grease. 2,121,748; June 21.
Sullivan, David J., Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating fabrics and product thereof. 2,121,717; June 21.
Sullivan Machine Company. (See Noble, Warren, assignor.)
Sullivan Machinery Company. (See Noble, Warren, assignor.)
Summers, James, Atlanta, Ga. Automobile door handle and lock mechanism. 2,121,414; June 21.
Sun Oil Company. (See Stark, John, assignor.)
Sundstrand, Carl A., Rockford, Ill. Kitchen utensil. 2,121,453; June 21.
Super Diesel Tractor Corporation. (See Scott, Philip L., assignor.)
Svenska Aktiebolaget Gasaccumulator. (See Anderson, E. E. W., and Johanson, assignors.)
Sweetland, Ernest J., Piedmont, Calif. Parking control apparatus. 2,121,170; June 21.
Sweetland, Ernest J., Piedmont, Calif. Golf club and implement handle. 2,121,718; June 21.
Sweetser, Ralph H. (See Moritt, C. C., and Sweetser.)
Swenson, Carl R. (See Anderson, M. B., and Swenson.)
Swift, Lionel V., Oklahoma City, Okla. Cleaning and sterilising device. 2,121,307; June 21.
Sylvania Industrial Corporation. (See Cornwell, Ralph T. K., assignor.)
Sylvania Industrial Corporation. (See Morgan, Willard L., assignor.)
Szabó, Basil V., Jamaica, assignor of forty per cent to W. C. Rasmussen, New York, N. Y. Hydrocarbon burner. 2,121,271; June 21.
Tahir, Feyzi, Faith, Istanbul, Turkey, assignor to American Machine & Foundry Company, New York, N. Y. Weighing or checking the weight of cigarettes. 2,121,191; June 21.
Teall, Oliver E., Utica, assignor to The Sterilek Company, Brooklyn, N. Y. Machine for making sanitary pads. 2,121,484; June 21.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hagen, Gerhard, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Knoll, Max, assignor.)
Teletype Corporation. (See Benjamin, Abraham S., assignor.)
Teletypesetter Corporation. (See Potts, Louis M., assignor.)
Ten Broek, Alexander P. A., Kediri, Java, Dutch East Indies. Universal coupling. 2,121,455; June 21.
Ternstedt Manufacturing Company. (See Van Voorhees, Harold E., assignor.)
Texas Company, The. (See Case, Arthur B., assignor.)
Texas Company, The. (See Evans, Louis P., assignor.)
Texas Company, The. (See Manley, Robert E., assignor.)
Texas Company, The. (See Manley, R. E., McCarty, and Gross, assignors.)
Texas Company, The. (See Pevere, Ernest F., assignor.)
Textile-Finishing Machinery Company, The. (See Rusden, Richard R., assignor.)
Textile Machine Works. (See Janssen, Henry, assignor.)
Thomas, Willis P., Highland Park, F. Bowers, and S. F. Cox, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 2,121,493; June 21.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Electric furnace regulator system. 2,121,644; June 21.
Thorn, Percy M., New Rochelle, N. Y. Closure for receptacles. 2,121,554; June 21.
Threlkeld, Lewis P. (See Duncan, Herbert L., assignor.)
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Locking mechanism. 2,121,060; June 21.
Tidd, Warren H., White Plains, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier communication system. 2,121,904; June 21.
Titangesellschaft m. b. H. (See Weise, P., and Raspe, assignors.)
Torner, Carl, Olympia, Wash. Logging rig. 2,121,134; June 21.
Torsquist, Carl A., Winchendon, Mass. Collapsible adjustable chair. 2,121,456; June 21.
Touton, Rush D., assignor, by mesne assignments, to Wurton Machine Company, Philadelphia, Pa. Treating tobacco. 2,121,369; June 21.
Touton, Rush D., assignor, by mesne assignments, to Wurton Machine Company, Philadelphia, Pa. Apparatus for treating tobacco. 2,121,370; June 21.
Townsend, Leonard G., Washington, D. C. Method of and apparatus for the indexing and photo-transcription of records. 2,121,061; June 21.
Trainer, James E. (See Hollister, S. C., Trainer, and Kehoe.)
Translode Joint Company, The. (See Robertson, Edgar C., assignor.)



Translode Joint Company, The. (See Robertson, Robert E., assignor.)
Travaglini, Frank, Philadelphia, Pa. Vegetable washer. 2,121,719; June 21.
Traylor, John A., Tiger, Colo. Trommel screen. 2,121,371; June 21.
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trumbull Electric Manufacturing Company, The. (See Rowe, Raymond N., assignor.)
Tuck, George A., San Francisco, Calif. Hot air furnace. 2,121,105; June 21.
Tucker, Edgar M., South Pasadena, Calif. Joint construction. 2,121,372; June 21.
Turner, Fred, Jr. (See Shipley, George C., assignor.)
Turner, James O. (See Cantrell, T. L., and Turner.)
Turner, Louis E., Chicago, Ill. Producing sound reproducing needles. 2,121,372; June 21.
Turner, William E. D., Portland, Oreg. Tooth brush. 2,121,373; June 21.
Uhl, Joseph, and E. Perrman, Chicago, Ill. Heating and cooking unit. 2,121,273; June 21.
Underwood Elliott Fisher Company. (See Kurowski, Alfred G. F., assignor.)
Union Carbide and Carbon Corporation. (See Chadwick, Cecil G., assignor.)
Union Oil Company of California. (See Merrill, David R., assignor.)
Union Special Machine Company. (See Kucera, Frank A., assignor.)
Union Special Machine Company. (See Sauer, George, assignor.)
United Aircraft Corporation. (See Gluhareff, Serge, assignor.)
United Autographic Register Co. (See Euth, John E., assignor.)
United-Carr Fastener Corporation. (See Cox, Joseph F., assignor.)
United-Carr Fastener Corporation. (See Kimbell, Arthur W., assignor.)
United-Carr Fastener Corporation. (See Merk, George S., assignor.)
United-Carr Fastener Corporation. (See Murphy, Howard J., assignor.)
United Shoe Machinery Corporation. (See Cooper, Harold E., assignor.
United Shoe Machinery Corporation. (See Lovejoy, Fred C., assignor.)
United States Gypsum Company. (See Ballard, B. T., McNeil, and Hurd, assignors.)
United States Gypsum Company. (See Gibson, Oliver E., assignor.)
United States Gypsum Company. (See Vass, Michael G., assignor.)
U. S. Slicing Machine Company. (See Folk, Joseph, assignor.)
U. S. Slicing Machine Company. (See Held, Charles, assignor.)
U. S. Slicing Machine Company. (See Peddicord, Paul G., assignor.)
U. S. Slicing Machine Company. (See van Berkel, Cornelis F. M., assignor.)
Urschel, Bertis H., assignor to The Urschel Engineering Company, Bowling Green, Ohio. Mower. 2,121,749; June 21.
Urschel Engineering Company, The. (See Urschel, Bertis H., assignor.)
Utility Patent Trust No. 17,938, Union Guardian Trust Co. (See Watts, Felix J., assignor.)
Vanbergen, Charles V., Lowfield Park, near Crawley, England. Vending machine. 2,121,457; June 21.
Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,121,351; June 21.
Van de Riet, Abraham, Eindhoven, Netherlands, assignor to Radio Corporation of America. Amplifying arrangement. 2,120,995; June 21.
Vandervoort, Francis M., assignor to The White Motor Company, Cleveland, Ohio. Lubricating means for change speed mechanisms. 2,121,214; June 21.
Van Dusee, Edward M. (See Bean, S. L., and Van Dusee.)
Van Voorhees, Harold E., Windsor, Ontario, Canada, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window assembly for automotive vehicles. 2,121,577; June 21.
Vass, Michael G., Maywood, assignor to United States Gypsum Company, Chicago, Ill. Sizing and shearing method and device for flattened expanded metal. 2,121,460; June 21.
Vassar Company. (See Rutledge, G. E., and Davidson, assignors.)
Vatter, Hans, Berlin-Charlottenburg, assignor, to Siemens and Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany. Gettering vacuum tubes. 2,121,180; June 21.
Vatter, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Gas or vapor filled discharge device. 2,121,615; June 21.
Vaughan, John F., Belmont, Mass. Game and practice apparatus. 2,121,750; June 21.
Venner, William, New York, N. Y. Ornamental display material. 2,121,374; June 21.
Vergobbi, John G., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Carton forming machine. 2,121,135; June 21.
Vincent, Charles. (See Lempereur, M., and Vincent.)
Vincke, Enrique, Palamos, Spain, assignor to H. H. Straus, New York, N. Y. Machine for cutting continuous lengths of rubber threads. 2,121,062; June 21.
Vogelbusch, Wilhelm, Vienna, Austria. Apparatus and process for aerating wort in yeast production. 2,121,458; June 21.
Vom Braucke, Adolf, Berge, Germany. Manufacture of sheets, bands, tubes, rods, and the like, and in particular wire. 2,121,415; June 21.
Von Behren, Edward E., St. Louis, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety control brake. 2,121,555; June 21.
Von Gruber, Otto, assignor to the firm of Carl Zeiss, Jena, Germany. Stereophotogrammetric plotting apparatus. 2,121,081; June 21.
Von Wedelstaedt, Wolff, Leipzig, Germany. Control for the movement of vehicle bodies. 2,121,720; June 21.
Vosler, Edward J. (See Elsey, G. W., Mumma, and Vosler.)
Voss, John H. (See Lomax, C. E., and Voss.)
Wachsman, Jacob and M., Brooklyn, N. Y. Stop mechanism for knitting machines. 2,121,376; June 21.
Wachsman, Michael. (See Wachsman, Jacob and M.)
Wachsman, Michael, Brooklyn, N. Y. Stop mechanism for knitting machines. 2,121,375; June 21.
Wagner, Cary R. (See Osterstrom, R. C., and Wagner.)
Waldschmidt-Leitz, Ernst, Prague, Czechoslovakia, and F. Ziegler, Wuppertal-Elberfeld, Germany, assignors to Röhm & Haas Company, Philadelphia, Pa. Separation of amylase and protease. 2,121,459; June 21.
Wale, Bruce, San Francisco, Calif., assignor to Standard Process Corporation, Chicago, Ill. Printing press. 2,121,308; June 21.
Wale, Bruce, San Francisco, Calif., assignor to Standard Process Corporation, Chicago, Ill. Rotary printing press. 2,121,309; June 21.
Wallace, Henry A., Secretary of Agriculture of the United States of America, and his successors in office. (See Wells, P. A., Lockwood, and Stubbs, assignors.)
Wallace, William, Chicago, Ill. Safety match folder. 2,121,136; June 21.
Walter, Lawrence, Albany, Calif. Electrical plug connection. 2,121,063; June 21.
Wappler, Frederick C., New York, N. Y. Cystoscopic armamentarium. 2,120,996; June 21.
Warner, William R., & Co. (See Goedrich, Paul, assignor.)
Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine. 2,121,645; June 21.
Waterman, Arthur C., Shreveport, La. Incinerator. 2,121,514; June 21.
Waters, Harry F., New York, N. Y. Wirelessly operated electrical decorative light. 2,121,460; June 21.
Watkins, Charles W. (See Loose, K. D., Watkins, and Green.)
Watts, Felix J., assignor to Utility Patent Trust No. 17,938, Union Guardian Trust Co., Detroit, Mich. Mounting means for lamps in headlights of automobiles. 2,121,310; June 21.
Webb, James A., New York, N. Y. Window ventilator. 2,121,646; June 21.
Webster, Duane E., assignor to Norton Company, Worcester, Mass. Cutting off wheel. 2,121,751; June 21.
Weinheimer, Claude M., assignor to Detroit Electric Furnace Company, Detroit, Mich. Electric furnace. 2,121,109; June 21.
Weise, Paul, and F. Raspe, assignors, to Titangesellschaft m. b. H., Leverkusen-I. G. Werk, Germany. Preparation of titanium oxygen compounds. 2,121,215; June 21.
Weitzenberg, William F. J., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Braking device. 2,120,997; June 21.
Welker, Harry L., Williamsport, Pa. Manufacturing articles from latex. 2,121,721; June 21.
Wells, Percy A., Arlington, Va., L. B. Lockwood, and J. J. Stubbs, Washington, D. C., assignors to H. A. Wallace, Secretary of Agriculture of the United States of America, and his successors in office. Carrying out certain oxidative fermentation processes by bacteria. 2,121,533; June 21.
Wentworth, Philip C., Providence, R. I. Ring traveler. 2,121,647; June 21.
Wernts, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphates of polybasic acid esters. 2,121,616; June 21.
Wernts, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of sulphatocarboxylic acids. 2,121,617; June 21.
West, George, assignor to Whitin Machine Works, Whitinsville, Mass. Belt cradle for roving and spinning frames. 2,121,137; June 21.
Western Cartridge Company. (See McCrea, Arthur M., assignor.)
Western Electric Company. (See Weitzenberg, William F. J., assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)

Westinghouse Air Brake Company, The. (See Fitch, Ellery R., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Logan, John W., Jr., assignor.)
Westinghouse Air Brake Company, The. (See Lynn, E. K. and Abraham, assignors.)
Westinghouse Air Brake Company, The. (See McNeal, Donald L., assignor.)
Westinghouse Air Brake Company, The. (See Stevens, Roy R., assignor.)
Westinghouse Air Brake Company, The. (See Stewart, C. D., and Stevens, assignors.)
Westinghouse Air Brake Company, The. (See Von Behren, Edward E., assignor.)
Westinghouse Electric Elevator Company. (See Eames, William F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bahls, Walter E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Blankenbuehler, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bletz, Edward, assignor.)
Westinghouse Electric & Manufacturing Company. (See Brown, Roy L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)
Westinghouse Electric & Manufacturing Company. (See Cooper, Nelson D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rose, Werner, assignor.)
Westinghouse Electric & Manufacturing Company. (See Geesford, R. K., and Knowles, assignors.)
Westinghouse Electric & Manufacturing Company. (See Gough, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hague, F. T., and Davis, assignors.)
Westinghouse Electric & Manufacturing Company. (See Harrison, George O., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kerschbaum, H., and Espe, assignors.)
Westinghouse Electric & Manufacturing Company. (See Milgore, L. A., and Cox, assignors.)
Westinghouse Electric & Manufacturing Company. (See Knowles, D. D., and Lowry, assignors.)
Westinghouse Electric & Manufacturing Company. (See Kovalsky, Joseph F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lotz, Albert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lowry, Erwin F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lowry, E. F., and Diamond, assignors.)
Westinghouse Electric & Manufacturing Company. (See McCulloch, Leon, assignor.)
Westinghouse Electric & Manufacturing Company. (See Parsons, J. S., and Harrison, assignors.)
Westinghouse Electric & Manufacturing Company. (See Powers, Rolla E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rugg, H. H., and Graham, assignors.)
Westinghouse Electric & Manufacturing Company. (See Schaake, William, assignor.)
Westinghouse Electric & Manufacturing Company. (See Workman, Elden B., assignor.)
Wheeler, Carlos F., Minneapolis, Minn. Room cooler. 2,121,648; June 21.
Whedon, Le Grand S., and A. A. Grinnell, assignors, by mesne assignments, to L. S. Whedon, Medina, N. Y. Vehicle seat structure. 2,121,238; June 21.
White, Albert G., Asheville, N. C. Cushioned coupling for trailers. 2,121,416; June 21.
White, Charles D., Company. (See Selig, William M., assignor.)
White, Isaac C., Glendale, Calif. Lock. 2,121,515; June 21.
White, Loyd J., San Antonio, Tex., assignor to Southern Steel Company. Dispensing apparatus for liquefied gas. 2,121,673; June 21.
White, Loyd J., San Antonio, Tex., assignor to Southern Steel Company. Liquefied gas storage and dispensing system. 2,121,674; June 21.
White, Loyd J., San Antonio, Tex., assignor to Southern Steel Company. Combination fitting for gas dispensing systems. 2,121,675; June 21.
White Motor Company, The. (See Vandervoort, Francis M., assignor.)
Whitehead, William A. (See Quick, C. G., Ball, and Whitehead.)
Whitehouse, Francis R. B., Edgbaston, Birmingham, England. Target. 2,121,377; June 21.
Whitin Machine Works. (See West, George, assignor.)
Wicks, Clifford P., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Door holder. 2,121,766; June 21.
Widmann, Eugene A., New York, N. Y. Seed germinating machine. 2,121,461; June 21.
Wiggins, David R., West Chester, Pa., assignor to Hercules Powder Company, Wilmington, Del. Manufacturing smokeless powder. 2,121,138; June 21.
Wilkinson, Henry, and N. Pilkington, assignors of one-third to Platt Brothers and Company Limited, Oldham, England. Apparatus for mechanically treating flax stalks and the like. 2,121,378; June 21.
Williams, Ira, Woodstown, N. J., and A. M. Neal, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preservation of rubber. 2,121,618; June 21.
Williams, Ira, Woodstown, N. J., and A. M. Neal, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preservation of rubber. 2,121,619; June 21.
Williams Jewelry Distributors Corp. (See Williams, Walter, assignor.)
Williams, Walter, assignor to Williams Jewelry Distributors Corp., Springfield, Mass. Cutting tool. 2,121,752; June 21.
Wilson, Ralph W., New York, N. Y. Vanity. 2,121,111; June 21.
Winer, Samuel. (See Shain, Simon, assignor.)
Winter, Ernst, Cologne-Braunsfeld, and F. Lückerath, Hermulheim, Kreis Cologne-on-the-Rhine, assignors to Aktiengesellschaft für Stickstoffdünger, Knapsack, near Cologne-on-the-Rhine, Germany. Adjusting the electrodes of electric furnaces. 2,121,578; June 21.
Winterlich, Arthur, Dresden, Germany. Conveyer screw. 2,121,462; June 21.
Winthrop Chemical Company. (See Mietzsch, F., and Mause, assignors.)
Wired Radio, Inc. (See Curtis, Richard C., assignor.)
Wisdom, Stuart A., Shawinigan Falls, assignor to Canadian Electric Products Company, Limited, Montreal, Quebec, Canada. Making carbon black. 2,121,463; June 21.
Wolf, Erwin J., Fort Wayne, Ind. Mattress. 2,121,417; June 21.
Womsley, Harold J. (See Lynch, J. J., Semke, and Womsley.)
Woo, Jack, Port Alice, British Columbia, Canada. Condiment receptacle. 2,121,516; June 21.
Wood, George. (See Bach, Ernest A., assignor.)
Wood, John, Manufacturing Company. (See Desimone, C. A., and Woodford, assignors.)
Woodford, Joseph C. (See Desimone, C. A., and Woodford.)
Worcester Lawn Mower Company. (See Farmer, F. T., and Loud, assignors.)
Workman, Elden B., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Switch box cover fastener. 2,121,620; June 21.
Wright, Elam W., assignor of forty per cent to H. Miller and ten per cent to J. W. Reid, Abilene, Tex. Cotton cleaner. 2,121,722; June 21.
Wright, Leo G. (See Klepetko, E., and Wright.)
Wronke, Louis J., assignor to Belmont Radio Corporation, Chicago, Ill. Tuning and indicating apparatus for radio receivers. 2,121,767; June 21.
Wurton Machine Company. (See Touton, Rush D., assignor.)
Yale & Towne Manufacturing Company, The. (See Jones, E., and Fineout, assignors.)
Yale & Towne Manufacturing Co., The. (See Quayle, George, assignor.)
Yale & Towne Manufacturing Company, The. (See Wicks, Clifford P., assignor.)
Yankee Metal Products Corp. (See Putterman, Benjamin, assignor.)
Yates, Charles E., Lakewood, Ohio. Rotary pump or compressor. 2,121,110; June 21.
York Ice Machinery Corporation. (See Bergdoll, John G., assignor.)
Young, Carl I., Denver, Colo. Automatic time valve. 2,121,274; June 21.
Young, David H., Willimansett, Mass. Guard or protective device for trees or hydrants. 2,121,379; June 21.
Zackerson, Victor E. (See Christensen, H. D., La Rue, and Zackerson.)
Zagorski, Johann, Vienna, Austria. Annular valve seat. 2,121,464; June 21.
Zahn, Karl, and K. Schimmelschmidt, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Substitution products of diphenyleneoxide and preparing them. 2,121,331; June 21.
Zeiss, Carl. (See von Gruber, Otto, assignor.)
Zender, Justin, Chauncey, assignor to Stauffer Chemical Company, New York, N. Y. Production of citric acid. 2,121,044; June 21.
Zenith Carburetor Company. (See Heftler, Victor R., assignor.)
Ziegler, Fritz. (See Waldschmidt-Leitz, E., and Ziegler.)
Zinter, Theodore C. (See Berman, M., and Zinter.)
Zober, Benjamin, Brooklyn, and T. Garvey, Long Island City, N. Y. Colloid mill. 2,121,275; June 21.
Zouck, George H., Orange, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Lateral motion device for railway vehicle axles. 2,121,556; June 21.
Zublin, John A., Los Angeles, Calif. Circulating fluid around drill bits. 2,121,112; June 21.


# LIST OF REISSUE INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 21ST DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Broadcasting system, Image. W. G. H. Finch. Re. 20,767; June 21.
Cable and protecting the lead against corrosion, Lead sheathed. H. Benit. 20,766; June 21.
Governor. E. Knauss. 20,768; June 21.
Gunner compartment. D. M. Helwig. Re. 20,771; June 21.
Hydrogen peroxide, Manufacture of. E. C. Soule. Re. 20,769; June 21.
Shaving apparatus. K. M. Alm. Re. 20,765; June 21.
Switch, Electric. J. F. Tritle. Re. 20,770; June 21.

# LIST OF PLANT INVENTIONS

Gladiolus. C. Salbach. 280; June 21.
Snapdragon. L. A. Michler. 281; June 21.

# LIST OF DESIGN INVENTIONS

Aerial, Automobile. R. D. McIntosh. 110,150; June 21.
Alphabet for forming monograms or the like. M. Chernow. 110,204; June 21.
Antenna for automobile radios. J. R. Stimps. 110,199; June 21.
Ashtray. F. Trattman. 110,160; June 21.
Barrette. S. Behr. 110,167; June 21.
Board, Buoyant water. W. H. Taylor. 110,159; June 21.
Bottle. F. Klotz. 110,147; June 21.
Bottle, Medicine. C. d'O. P. Jackson. 110,180; June 21.
Box, Display. J. Dinstman. 110,206; June 21.
Bracelet. L. Maser. 110,149; June 21.
Bracelet chain. S. Ritter. 110,222; June 21.
Brooch pin or similar article. R. Geisemann. 110,141–3; June 21.
Brush. E. D. Lukenbill. 110,185–6; June 21.
Building. R. N. Aldrich and A. H. Jaehne. 110,138; June 21.
Cabinet for a chlorinator. R. B. Everson. 110,210; June 21.
Candelabra. G. Goughnour. 110,179; June 21.
Candlestick and flower holder, Combined. G. Goughnour. 110,145; June 21.
Casing, Electric fence control. S. A. Moore. 110,152; June 21.
Coat. J. Heubchel. 110,215; June 21.
Coat. S. Lo Prete. 110,218; June 21.
Coat. J. A. Silverman. 110,156; June 21.
Confection and handle, Combined frozen. M. Lazow. 110,148; June 21.
Cover, Box. J. Quarta. 110,155; June 21.
Device for cleaning silver and other ware. E. Darwin. 110,172; June 21.
Dipper or similar article, Ice cream. E. E. Tutsch. 110,201; June 21.
Doll. K. Quhen. 110,221; June 21.
Drawer pull. C. D. Hasenberg. 110,213–14; June 21.
Dress. M. Bloom. 110,169; June 21.
Dress. T. Coleman. 110,208–9; June 21.
Dress. P. Fracchia. 110,212; June 21.
Dress. B. C. Kalish. 110,216; June 21.
Dress. J. J. Kushner. 110,217; June 21.
Dress. M. Porpora. 110,220; June 21.
Dress. L. Rothenberg. 110,223; June 21.
Dress. H. T. Schakne. 110,224; June 21.
Dress. M. Wagner. 110,231; June 21.
Fabric, Knitted. J. Mineff. 110,182–90; June 21.
Fabric, Textile. H. B. Lehman. 110,181; June 21.
Foot rest. H. C. Stell. 110,227; June 21.
Fruit juicer. S. Bloomfield. 110,203; June 21.
Goal, Play ball. W. A. Schutt. 110,225; June 21.
Guitar, Hawaiian. W. L. Fuller. 110,178; June 21.
Handbag. R. Lobel. 110,164; June 21.
Handbag. H. Rosenberg. 110,194; June 21.
Handle for a casket or the like. E. H. Thoresen. 110,228–9; June 21.
Hanger, Toilet dressing. R. Shapiro. 110,197; June 21.
Hat. M. Berg. 110,168; June 21.
Head covering. T. Wyner. 110,162; June 21.
Holder, Flower. G. Goughnour. 110,144; June 21.
Jacket. A. Engel. 110,209; June 21.
Lace. I. Zendman, Jr. 110,232–4; June 21.
Lamp. R. A. Schober. 110,196; June 21.
Lamp base or similar article. P. S. Donchian. 110,174; June 21.
Lamp, Portable. I. Scheinberg. 110,195; June 21.
Lighting fixture. A. L. Arenberg. 110,164–5; June 21.
Lighting fixture or similar article. L. L. Stewart. 110,198; June 21.
Marker, Grave. J. M. Majewski, Jr. 110,219; June 21.
Ornament for a casket or the like, Corner. E. H. Thoresen. 110,230; June 21.
Pitcher top or similar article. T. Gamble. 110,140; June 21.
Rack, Fountain shelf. G. B. Hume. 110,146; June 21.
Rack, Merchandise display. F. A. Sunderhauf. 110,200; June 21.
Shade or similar article, Lamp. P. S. Donchian. 110,173; June 21.
Shaver, Electric. C. W. Stillwell. 110,158; June 21.
Shoe. J. E. Andrews. 110,163; June 21.
Shoe. D. Levin. 110,182–3; June 21.
Shoe retainer. E. J. O'Brien. 110,191; June 21.
Stand, Shirt display. M. C. Meyer. 110,187; June 21.
Tablecloth, Lace. W. C. Miller. 110,151; June 21.
Tablecloth, Lace. F. P. Otto. 110,153–4; June 21.
Tablecloth, Lace. F. P. Otto. 110,192; June 21.
Tablecloth, Lace. W. Wolf. 110,161; June 21.
Teapot. L. Brindley. 110,170; June 21.
Toaster or similar article, Sandwich. D. Chapman. 110,171; June 21.
Toaster or the like, Electric bread. D. Chapman. 110,139; June 21.
Tray or similar article. M. H. Connor. 110,207; June 21.
Tray or similar receptacle. P. S. Donchian. 110,175–7; June 21.
Trophy. C. P. Fisken. 110,211; June 21.
V-block, Adjustable. L. J. Werner. 110,202; June 21.
Velocipede frame member. S. A. Snell. 110,226; June 21.
Waffle iron. J. Pavelka, Jr. 110,193; June 21.
Wheel knob and bracket, Combined steering. J. Simko. 110,157; June 21.
Wrist-watch. E. L. Arzt. 110,166; June 21.

# LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 21st DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid, Production of citric. J. Zender. 2,121,064; June 21.
Acids and preparing them, Quinophthalonemonosulphonic. G. Krämulein, H. Schlichenmaier and L. Schörnig. 2,121,320; June 21.
Acids, Catalytically hydrogenating high-molecular non-aromatic carboxylic. G. Schiller. 2,121,367; June 21.
Acoustic element for sound studios. F. L. Hunt. 2,120,979; June 21.
Acoustic translating device. P. H. Bilhuber. 2,121,008; June 21.
Acridine compounds, Basically substituted. F. Mietzsch and H. Mauss. 2,121,207; June 21.
Agitator for washing machines. J. C. Nelson. 2,121,471; June 21.
Air conditioner. E. W. Babcock. 2,121,278; June 21.
Aircraft, Rotative wing. R. Hafner. 2,121,345; June 21.
Alkylidene diesters, Manufacture of. H. Dreyfus. 2,121,342; June 21.
Alloy: *See*—
Arsenic iron alloy. Titanium iron alloy.
Bearing metal alloy.
Alloy. E. F. Lowry. 2,121,759; June 21.
Alloy articles and making same, Noncorrodible. W. B. Arness. 2,121,391; June 21.
Alloys containing cerium and other elements, Magnesium. J. L. Haughton and W. E. Prytherch. 2,121,292; June 21.
Amalgamator. H. D. Christensen, W. C. La Rue, and V. R. Zackerson. 2,120,965; June 21.
Amines, Production of diaryl. M. F. Acken. 2,120,968–9; June 21.
Amplifier with oscillation producing adjustment. M. S. Kilnedinst, O. B. Gunby and H. Belar. 2,121,434; June 21.
Amplifying arrangement. A. van de Riet. 2,120,995; June 21.
Amusement device. W. Fuhrmann and W. G. Sand. 2,121,223; June 21.
Amylase and protease, Separation of. E. Waldschmidt-Leitz and F. Ziegler. 2,121,459; June 21.
Anamorphosers, Afocal opposed plane cylindrical. H. S. Newcomer. 2,121,567; June 21.
Anchor, Earth. W. A. Heinrich and C. R. Pieper. 2,121,757; June 21.
Anesthetising apparatus. J. A. Heidbrink. 2,121,196; June 21.
Animal feeder. J. M. Ramsey. 2,121,407; June 21.
Apparatus for applying a plurality of articles to a backboard. A. A. Massini. 2,121,484; June 21.
Apparatus for timing of periodic events. D. G. C. Luck and L. E. Norton. 2,121,359; June 21.
Apparel, Wearing. J. R. Hibehman. 2,121,168; June 21.
Armamentarium, Cystoscopic. F. C. Wappler. 2,120,996; June 21.
Arsenic iron alloy. E. C. Smith and G. T. Motok. 2,121,057; June 21.
Article and material containing organic derivatives of cellulose. J. H. Brown. 2,121,013; June 21.
Article and producing the same, Marked. R. T. K. Cornwell. 2,121,022; June 21.
Articles from latex, Manufacturing. H. L. Welker. 2,121,721; June 21.
Ashtray. J. L. Dillon. 2,121,122; June 21.
Asphalt from asphalt base oils, Removing. D. G. Brandt. 2,121,517; June 21.
Asphalt, Making. E. B. McConnell. 2,121,437; June 21.
Atomiser, Piston valve. P. L. Scott. 2,121,102; June 21.
Atomising, Apparatus for. L. Peyeru. 2,121,300; June 21.
Attachment for air hammers. A. W. Nichols. 2,121,487; June 21.
Automatic releasing device. J. H. Strong. 2,121,413; June 21.
Awning, Automobile. A. L. Rubottom. 2,121,264; June 21.
Bacteria, Carrying out certain oxidative fermentation processes by. P. A. Wells, L. B. Lockwood, and J. J. Stubbs. 2,121,533; June 21.
Bag frame structure. J. F. Cox. 2,121,519; June 21.
Bag frame structure. G. S. Merk. 2,121,528; June 21.
Bait. A. G. Bowering. 2,121,474; June 21.
Baked article. K. D. Loose, C. W. Watkins, and J. W. Green. 2,121,128; June 21.
Balance adjustment for tennis rackets. L. R. Gleadall. 2,121,299; June 21.
Ballast, Trolling. G. Beck. 2,121,279; June 21.
Barrel fastening means. R. Laloux. 2,121,171; June 21.
Baseball head protector. E. Larkin. 2,121,702; June 21.
Battery terminal clamp. A. Gladstone. 2,121,629; June 21.
Bearing. K. Albrecht and H. Böhlk. 2,121,277; June 21.
Bearing. J. W. Smith. 2,121,237; June 21.
Bearing metal alloy. E. P. Langworthy. 2,121,204; June 21.
Belt. A. L. Freedlander. 2,121,222; June 21.
Belt and belt connecter. A. L. Freedlander. 2,121,125; June 21.
Belt applying and removing tool, Drive. M. K. Malone. 2,121,129; June 21.
Belt, Conveyer. M. Berman and T. C. Zinter. 2,121,650; June 21.
Belt cradle for roving and spinning frames. G. West. 2,121,137; June 21.
Bench, Exhibition. C. A. Gehret. 2,121,658; June 21.
Benzene derivatives containing halogenated methyl groups and preparing them. O. Scherer, W. Schumacher, and F. Müller. 2,121,330; June 21.
Beryllium, Production of. O. Kruh. 2,121,064; June 21.
Beverage container. B. H. Cooper. 2,121,118; June 21.
Bit: *See*—
Rotary bit.
Blowtorch and attachments. C. C. Boyd. 2,121,728; June 21.
Board: *See*—
Quotation board.
Board, Treating leather. J. F. Pollard. 2,121,668; June 21.
Boiler. P. P. Fraser. 2,121,562; June 21.
Boiler cleaner. W. P. Thomas, F. Bowers, and S. F. Cox. 2,121,493; June 21.
Book. E. H. Knaub. 2,121,297; June 21.
Bookbinding. H. B. Martling. 2,121,505; June 21.
Book, Sample. D. S. Gordon. 2,121,246; June 21.
Bowl, Mixing. S. H. Slobodkin. 2,121,165; June 21.
Box: *See*—
Packing box.
Bracket: *See*—
Scaffold bracket.
Brake: *See*—
Fluid pressure brake. Trip controlled brake.
Safety control brake.
Brace, Road joint. E. C. Robertson. 2,121,302; June 21.
Bracket. J. Fischer. 2,121,144; June 21.
Braid former. W. J. Croft, Jr. 2,121,071; June 21.
Brake control apparatus. J. W. Logan, Jr. 2,121,546; June 21.
Brake hanger retainer. M. S. Johnson. 2,121,248; June 21.
Brake lining testing machine. W. S. James. 2,121,149; June 21.
Brake safety device, Fluid. G. B. Davis. 2,121,653; June 21.
Braking device. G. H. Fuehrer. 2,121,563; June 21.
Braking device. W. F. J. Weitzenberg. 2,120,997; June 21.
Braking mechanism. H. M. Robinson. 2,121,366; June 21.
Brassière and the like. D. La Rue. 2,121,088; June 21.
Broadcasting and recording apparatus, Telemetric. J. P. Buckley. 2,121,184; June 21.
Brush. C. Neufeld. 2,121,161; June 21.
Building construction. G. F. Kotrbaty. 2,121,037; June 21.
Burner: *See*—
Hydrocarbon burner.
Burner mounting, Range. J. Dennis and J. W. Morgan. 2,121,477; June 21.
Butt welding device for metal strips. E. B. Hudson. 2,121,665; June 21.
Cabinet: *See*—
Filing cabinet. Towel cabinet.
Cable connecter fitting. W. M. Selig. 2,120,993; June 21.
Cable tie or fastening. G. W. Rusler. 2,121,510; June 21.
Calculating machine. E. E. Britten, Jr. 2,121,683; June 21.
Candy. C. L. Claff. 2,121,185; June 21.
Cans, Coating sheet metal. J. H. O'Neil. 2,121,404; June 21.
Cap: *See*—
Miner's cap.
Car dumping apparatus. F. Pardee, Jr. 2,121,365; June 21.
Car seat. F. A. Eichel. 2,121,522; June 21.
Carbon black, Making. S. A. Wisdom. 2,121,463; June 21.
Carbon black, Method of and apparatus for forming condensed. W. A. Knapp and W. W. Gregory. 2,121,635; June 21.





Carbon black, Treating. J. Hartman and W. A. Knapp. 2,121,633; June 21.
Carbon holding device. J. E. Buth. 2,121,499; June 21.
Carburetor. J. G. Allen. 2,120,970; June 21.
Carburetor. V. R. Heftler. 2,120,975; June 21.
Carburetor. M. Mennesson. 2,121,506; June 21.
Carrier: *See*—
Rod line carrier.
Cart, Transfer. G. Konicek. 2,121,153; June 21.
Carton forming machine. J. G. Vergobbi. 2,121,135; June 21.
Case: *See*—
Packing case.
Case rectifier, Metal. H. Kerschbaum and W. Espe. 2,121,598; June 21.
Catalyst converter. J. M. Jenkins. 2,121,198; June 21.
Cathode, Emissive incandescent. W. Espe. 2,121,589; June 21.
Cellulose ether recovery. W. R. Collings. 2,121,731–2; June 21.
Cellulosic material, Artificial. F. Raspe and H. Giese. 2,121,406; June 21.
Cellulosic material, Method and apparatus for digesting. F. J. Dooley. 2,121,074; June 21.
Cement and making the same. M. A. Baernstein. 2,121,557; June 21.
Cement retainer. T. M. Ragan and C. E. Burt. 2,121,051; June 21.
Cement retainer and bridge plug for well casings. R. C. Baker. 2,121,002; June 21.
Cement retainer, Hydraulically controlled. T. M. Ragan and C. E. Burt. 2,121,050; June 21.
Ceramic. M. Carter and G. Heins. 2,121,018; June 21.
Chain: *See*—
Cutter chain.
Chain repairing apparatus. L. Hoffman. 2,121,400; June 21.
Chair: *See*—
Collapsible adjustable chair.
Chair. W. R. McGowen. 2,121,130; June 21.
Change motion mechanism for jacquard looms. F. C. Matthews. 2,121,002; June 21.
Charges for internal combustion engines, Forming and distributing. A. Moore. 2,121,529; June 21.
Chassis-frame for automobile vehicles. G. Broulhiet. 2,121,497; June 21.
Cigarettes and the like, Packing of. J. Crighton. 2,121,187; June 21.
Cigarettes, Weighing or checking the weight of. F. Tahir. 2,121,191; June 21.
Circuit: *See*—
Frequency control circuit Variable reactance modulator circuit.
Oscillator stabilising circuit
Circuit breaker. K. B. Nisbet. 2,121,441; June 21.
Circuit breaker, Electrical. O. K. Beckler. 2,121,243; June 21.
Circuit interrupter, Resettable. M. Guett. 2,121,691; June 21.
Circuits, Automatic frequency control. D. E. Foster. 2,121,736; June 21.
Circuits, Automatic frequency control. D. E. Foster. 2,020,974; June 21.
Circuits, Automatic volume control. G. L. Beers. 2,120,999; June 21.
Circuits, Coupled. A. W. Barber. 2,120,998; June 21.
Circuits, Frequency variation response. S. W. Seeley. 2,121,103; June 21.
Cis-androsterone, Production of. R. E. Marker. 2,121,483; June 21.
Clamp: *See*—
Battery terminal clamp.
Clamp. A. F. Krumholz. 2,121,085; June 21.
Clamp. G. Solomon. 2,121,576; June 21.
Clasp. D. M. Goodrich. 2,121,147; June 21.
Cleaner: *See*—
Boiler cleaner. Mop cleaner.
Cotton cleaner. Windshield cleaner.
Cleaning and sterilising device. L. V. Swift. 2,121,307; June 21.
Cleaning process, Office equipment. M. J. Marran. 2,121,361; June 21.
Closure for barrels and the like. G. Schlesinger. 2,121,511; June 21.
Closure for receptacles. P. M. Thorn. 2,121,554; June 21.
Closure for tank trucks, Safety. C. L. Hill. 2,121,596; June 21.
Closure structure. J. E. Morris. 2,120,986; June 21.
Cloths, Blueprint, photo-vellum, and similar sensitised. A. L. Lippert and W. P. Hall. 2,121,205; June 21.
Clutch and friction retarding means for hand brakes, Combined. R. J. Olander. 2,121,096; June 21.
Clutch bearing mechanism. T. Barish. 2,121,418; June 21.
Clutch engaging and disengaging mechanism. E. Degelman. 2,121,626; June 21.
Clutch for internal combustion engines, Starter. L. S. Love. 2,121,547; June 21.
Clutch mechanism. C. M. Mason. 2,121,075; June 21.
Coating composition. F. W. Corkery. 2,121,475; June 21.
Coating compositions. J. A. Arvin. 2,121,680; June 21.
Coating compositions, Resinous. D. E. Edgar. 2,121,690; June 21.
Coating for ferrous alloys. L. McCulloch. 2,121,606; June 21.
Coil, Electrical. E. Dietze and J. W. Foley. 2,120,973; June 21.
Collapsible adjustable chair. C. A. Tornquist. 2,121,456; June 21.
Collectors for unipolar generators, Cooling and mounting of. F. T. Hague and F. R. J. Davis. 2,121,593; June 21.
Colloid mill. B. Zober and T. Garvey. 2,121,275; June 21.
Communication system, Carrier. W. H. Tidd. 2,120,994; June 21.
Composite abrasive wheel. B. Sanford. 2,121,746; June 21.
Composite set. F. A. Cowan. 2,121,287; June 21.
Composition of matter and method of making. E. D. Sackett. 2,121,745; June 21.
Compressor, Fluid. B. S. Aikman. 2,121,534; June 21.
Condensation products of dicarboxylic acid anhydrides, Manufacture of. J. Binapd. 2,121,183; June 21.
Condenser system for railway cars. J. G. Bergdoll. 2,121,115; June 21.
Condenser tester. B. Baumsweiger. 2,121,725; June 21.
Condensing method and apparatus. J. H. Erter. 2,121,218; June 21.
Condiment holder. N. J. Patts. 2,121,711; June 21.
Condiment receptacle. J. Woo. 2,121,516; June 21.
Conductor inserting machine. G. W. Elsey, L. E. Mumma, and E. J. Voeler. 2,121,655; June 21.
Connecter: *See*—
Wire connecter.
Connecter plug, Electrical. S. M. Del Camp. 2,121,521; June 21.
Connection, Electrical plug. L. Walter. 2,121,063; June 21.
Connection, Flexible conduit. I. Cowles. 2,121,624; June 21.
Contact spring. L. Johnston. 2,120,980; June 21.
Container: *See*—
Beverage container. Cosmetic container.
Container and closure therefor. H. Carew. 2,121,394; June 21.
Container and fastener for the same, Radio. A. W. Kimball. 2,121,524; June 21.
Container closures, Making. W. L. Morgan. 2,121,042; June 21.
Container for cigarettes and matches, Combination. C. E. Gray. 2,121,500; June 21.
Container valve. S. D. Hartog. 2,121,231–2; June 21.
Containers, Opening of collapsed shells of slide and shell. J. Crighton. 2,121,186; June 21.
Control for fluid pressure devices. G. G. Morin and E. J. Carleton. 2,121,389; June 21.
Control for the movement of vehicle bodies. W. von Wedelstaedt. 2,121,720; June 21.
Control mechanism. L. L. J. Prompt. 2,121,445; June 21.
Converting system. F. E. Blount. 2,120,972; June 21.
Conveyer. W. B. Fleming. 2,121,628; June 21.
Conveyer and method. E. N. Millan. 2,121,388; June 21.
Conveyer, Briquette cooling. G. Komarek. 2,121,298; June 21.
Cooker and toaster, Electric. A. L. Osrow. 2,121,444; June 21.
Cooler: *See*—
Room cooler.
Copper oxides, Making. R. L. Lloyd and R. W. Hyde. 2,121,602; June 21.
Cosmetic container. B. F. Conner. 2,121,383; June 21.
Cot and duplex chair, Convertible. D. Rosenbaum. 2,121,100; June 21.
Cotter pin. G. T. Cooke. 2,121,425; June 21.
Cotton and the like, Storing. O. F. Bledsoe. 2,121,495; June 21.
Cotton cleaner. E. W. Wright. 2,121,722; June 21.
Couch, Twin bed. J. D. Bell. 2,120,962; June 21.
Counterflow apparatus. L. P. Evans. 2,121,318; June 21.
Coupling: *See*—
Drill pipe coupling. Flexible shaft coupling.
Flexible coupling. Universal coupling.
Coupling for trailers, Cushioned. A. G. White. 2,121,416; June 21.
Cracks in castings and the like, Closing. N. Hays. 2,121,692; June 21.
Cross country vehicle. O. Daus. 2,121,687; June 21.
Culture, Manufacturing. F. W. Nordsiek. 2,121,442; June 21.
Current collecting device. W. Schaake. 2,121,612; June 21.
Cutter: *See*—
Sheet material cutter.
Cutter chain. W. Noble. 2,121,043–4; June 21.
Cutting device. J. F. Arthur. 2,120,960; June 21.
Cutting machine. G. T. Belfe. 2,121,003; June 21.
Cutting off wheel. D. E. Webster. 2,121,751; June 21.
Cutting tool. W. Williams. 2,121,752; June 21.
Cylinder gauge. J. Stark. 2,121,614; June 21.
Decorative light, Wirelessly operated electrical. H. F. Waters. 2,121,460; June 21.

Defroster. E. S. Cornell, Jr. 2,121,754; June 21.
Defroster, Window. E. S. Cornell, Jr. 2,121,753; June 21.
Delivery mechanism for use with printing machines. C. G. Quick, D. A. Ball, and W. A. Whitehead. 2,121,327; June 21.
Demonstrating device. L. P. Ramsdell. 2,121,212; June 21.
Dental cleaning and massage device. J. Landers. 2,121,701; June 21.
Detergent and wetting agent and producing the same. T. Hasselstrom. 2,121,032–3; June 21.
Device for curling hair. C. de La Barre. 2,121,476; June 21.
Device for discouraging false alarms. D. D. London. 2,121,206; June 21.
Device for drying the closing flaps of letter envelopes, bags, etc. C. H. Jäger. 2,121,698; June 21.
Device for paddle wheel propellers. F. Süberkrüb. 2,121,069; June 21.
Device for preventing conflagrations on boats by fuel leaks. F. P. Huckins. 2,121,664; June 21.
Device for railway vehicle axles, Lateral motion. G. H. Zouck. 2,121,556; June 21.
Device for the massage of the foot muscles. A. Koschwitz. 2,121,250; June 21.
Diamines and preparing them, Tetra-N-alkyl long chain alkylene. F. L. Pyman and H. H. L. Levene. 2,121,509; June 21.
Diaphragm valve. D. L. McNeal. 2,121,549; June 21.
Dies, Manufacturing, threading. O. E. Koehler. 2,121,435; June 21.
Differential, Locking. A. E. Meinke. 2,121,254; June 21.
Dinitriles, Preparation of. G. W. Rigby. 2,121,551; June 21.
Diphenyleneoxide and preparing them, Substitution products of. K. Zahn and K. Schimmelschmidt. 2,121,331; June 21.
Directional signal. I. H. Crocker. 2,121,685; June 21.
Dirt collector. C. C. Farmer. 2,121,538; June 21.
Discharge device, Gas or vapor filled. H. Vatter. 2,121,615; June 21.
Dish. P. S. Donchian. 2,121,654; June 21.
Dispenser: *See*—
Powder dispenser.
Dispensing apparatus for liquefied gas. L. J. White. 2,121,673; June 21.
Dispensing apparatus with indicator and automatic controls. J. M. Dayton. 2,121,396; June 21.
Distance, System and method of determining. A. B. Bailey. 2,120,971; June 21.
Distribution apparatus. H. H. Rugg and P. S. Graham. 2,121,610; June 21.
Distributor head for stokers. C. A. Binney. 2,121,313; June 21.
Distributor system, Start-stop. H. C. Robinson. 2,121,163; June 21.
Door: *See*—
Oven door.
Door. G. M. Cooper. 2,121,395; June 21.
Door holder. C. P. Wicks. 2,121,766; June 21.
Door lock. F. N. Robertson. 2,121,263; June 21.
Drain, Roof. A. J. Filkins. 2,121,220; June 21.
Drainage device. F. Schultz. 2,121,613; June 21.
Drill: *See*—
Engine operated drill.
Drill pipe coupling, Threadless interlocking rotary. A. E. Nielsen. 2,121,710; June 21.
Drive, Mechanical. H. Pfannenstiehl. 2,120,989; June 21.
Dumping vehicle. L. H. Garlinghouse, Jr. 2,121,224; June 21.
Dyes, Beta-naphthol monoazo alkoxy-nitrophenyl. T. L. Cantrell and J. O. Turner. 2,121,017; June 21.
Dyes derived from beta-naphthol, Azo. T. L. Cantrell and J. O. Turner. 2,121,016; June 21.
Dynamo-electric machine. K. Bobek. 2,121,623; June 21.
Earth moving device. E. W. Austin. 2,121,240; June 21.
Electric discharge device. E. Lemmers. 2,121,638; June 21.
Electric discharge device. E. F. Lowry and H. Diamond. 2,121,760; June 21.
Electric furnace. R. R. Ridgway and B. L. Bailey. 2,121,744; June 21.
Electric furnace. C. M. Weinheimer. 2,121,100; June 21.
Electric plug. F. Pfeiffer. 2,121,713; June 21.
Electric switch. J. G. Peterson. 2,121,569–71; June 21.
Electrical set-up mechanism. C. L. Calkins. 2,121,584; June 21.
Electrode for electric discharge devices. E. Lemmers and H. M. Fernberger. 2,121,637; June 21.
Electrode support. O. Karl. 2,121,597; June 21.
Electrodes of electric furnaces, Adjusting the. E. Winter and F. Lickerath. 2,121,578; June 21.
Electromagnetic control means. J. B. Fisher. 2,121,657; June 21.
Electromagnetic device. A. E. Melhose. 2,120,985; June 21.
Electron discharge device and circuits, Double cathode. C. H. Brown and W. v. b. Roberts. 2,121,067; June 21.
Electron tube. M. Knoll. 2,121,356; June 21.
Elevator dispatching system. W. F. Eames. 2,121,587; June 21.
Emulsions, Manufacture of. H. Schrader and H. Stahl. 2,121,305; June 21.
Engine: *See*—
Internal combustion engine. Two-cycle engine.
Engine cooling system, Internal combustion. D. J. Campbell. 2,121,015; June 21.
Engine operated drill, Internal combustion. D. W. Little. 2,121,706; June 21.
Envelope moistener and sealer. R. C. Flynt. 2,121,166; June 21.
Esters of phosphorous acids, Naphthenyl. P. L. Salzberg. 2,121,611; June 21.
Esters of sulphato-carboxylic acids. J. H. Wernts. 2,121,617; June 21.
Ether, Purification of. W. G. Christiansen and W. A. Lott. 2,121,019; June 21.
Ethers, Aralkyl. S. L. Bass and E. M. Van Dusee. 2,121,723; June 21.
Ethers of ethyl-phenol compounds, Aralkyl. S. L. Bass and E. M. Van Dusee. 2,121,724; June 21.
Ethyleneglycol di-(halo-aryloxy-acetates). E. F. Grether, W. L. Shawver, and R. B. Du Vall. 2,121,226; June 21.
Excavator, Crane. R. B. Dorward. 2,121,189; June 21.
Expansion joint. R. R. Robertson. 2,121,573; June 21.
Expansion joint, Double dowel bar. R. R. Robertson. 2,121,303; June 21.
Extractor: *See*—
Fruit juice extractor. Screw extractor.
Juice extractor.
Eyeglass mounting, Bifocal. A. H. Bricker. 2,121,336; June 21.
Fabric. R. R. Cone. 2,121,285; June 21.
Fabrics and product thereof, Coating. D. J. Sullivan. 2,121,717; June 21.
Fan, Disk. G. de Bothezat. 2,121,073; June 21.
Fan, Electric. G. C. Shipley. 2,121,177; June 21.
Fastener: *See*—
Hatch fastener. Switch box cover fastener.
Fastenings and fittings to suitcases and the like, Attachment of. C. W. Cheney. 2,121,422; June 21.
Faucet. J. V. Bosque. 2,121,281; June 21.
Feeder: *See*—
Animal feeder.
Feeding mechanism for slicing machines. J. Folk. 2,121,350; June 21.
Feeder guide. J. H. Cohen. 2,121,317; June 21.
Fiber bodies and producing same. K. H. Bowen and E. B. Carlson. 2,121,496; June 21.
Fibers, Dyeing mixed. K. Brodersen and A. Peters. 2,121,337; June 21.
Fibers of lechuguilla plant and related species, Process of and apparatus for isolating and treating the. G. J. Nord. 2,121,210; June 21.
Filing cabinet, Collapsible. H. L. Fellowes. 2,121,190; June 21.
Filler rod holder. P. Boucher. 2,121,682; June 21.
Film holder. D. M. Grist. 2,121,225; June 21.
Film record for sound reproduction, Manufacturing an endless. S. Konishi. 2,121,170; June 21.
Filtering means for liquid containers. E. W. Eriksen and N. M. Nesset. 2,121,123; June 21.
Finger ring. H. G. Joyce. 2,121,201; June 21.
Fireplace. J. W. Hols. 2,120,977; June 21.
Fish lure. G. Beck. 2,121,114; June 21.
Fitting for gas dispensing systems, Combination. L. J. White. 2,121,675; June 21.
Fixture. E. F. Guth. 2,121,430; June 21.
Fixture for filing articles. V. J. Crisler and W. J. Friedland. 2,121,188; June 21.
Flax stalks and the like, Apparatus for mechanically treating. H. Wilkinson and N. Pilkington. 2,121,378; June 21.
Flexible coupling. M. B. Anderson and C. E. Swenson. 2,121,066; June 21.
Flexible shaft coupling. M. W. Morgan. 2,121,507; June 21.
Floor covering. J. A. Arvin and G. L. Schwartz. 2,121,679; June 21.
Fluid around drill bits, Circulating. J. A. Zublin. 2,121,112; June 21.
Fluid flow control and silencer. J. P. Freed. 2,121,462; June 21.
Fluid meter. W. H. De Lancey. 2,121,120; June 21.
Fluid pressure brake. E. R. Fitch. 2,121,539; June 21.
Fluid pressure brake. E. E. Hewitt. 2,121,543; June 21.
Flushing mechanism of tanks for water closets. E. A. Bach. 2,121,241; June 21.
Flux, Welding. C. G. Chadwick. 2,121,770; June 21.
Fly for fishing, Artificial. R. C. Deans. 2,121,072; June 21.
Folding table. T. C. Dukes. 2,121,398; June 21.
Foot deodorant pad. J. J. Lynch, R. Semke, and H. J. Womsley. 2,121,604; June 21.
Footwear and sole material therefor. H. F. Armor. 2,121,678; June 21.
Fracture clamping apparatus. P. G. E. Hanicke. 2,121,193; June 21.
Freight, System for transporting. K. J. Bayerl. 2,121,181; June 21.
Frequency control circuit, Automatic. D. E. Foster and G. Mountjoy. 2,121,735; June 21.
Fruit, Apparatus for segmenting. R. B. Polk and R. Polk, Jr. 2,121,098; June 21.





Fruit juice extractor. J. C. Adams. 2,121,621; June 21.
Fruit segments, Segregating integument-free. R. B. Polk and R. Polk, Jr. 2,121,097; June 21.
Furnace: *See*—
Electric furnace. Mechanical furnace.
Hot air furnace. Smelting furnace.
Furnace charging device. C. Still. 2,121,133; June 21.
Furnace construction. R. W. Conlin. 2,121,537; June 21.
Furnace regulator system, Electric. L. W. Thompson. 2,121,644; June 21.
Fuse, Refillable. J. Langdon. 2,121,127; June 21.
Fuselages, vehicle bodies, and the like, Construction of L. Baives. 2,121,670; June 21.
Game and practice apparatus. J. F. Vaughan. 2,121,750; June 21.
Game apparatus. T. F. McLaughlin. 2,121,742; June 21.
Game, Putting. P. A. Streich. 2,121,270; June 21.
Garment. M. Rosenbloom. 2,121,304; June 21.
Gas storage and dispensing system, Liquefied. L. J. White. 2,121,674; June 21.
Gases and apparatus therefor, Purifying. F. G. Cottrell. 2,121,733; June 21.
Gases, Polymerization of hydrocarbon. R. C. Osterstrom and C. R. Wagner. 2,121,256; June 21.
Gaseous conduction device. R. E. Barclay. 2,121,333; June 21.
Gauge: *See*—
Cylinder gauge. Pressure gauge.
Liquid gauge.
Gear mechanism, Ratchet. D. D. Panabaker. 2,121,405; June 21.
Generator: *See*—
Oscillation generator.
Generator for sound oscillations for measuring distance according to the echo principle. C. J. P. Schroder. 2,121,411; June 21.
Germicides and making the same. P. Goedrich. 2,121,029; June 21.
Gland adjusting mechanism. S. G. Green. 2,121,030; June 21.
Glass, Feeding molten. B. Engels. 2,121,143; June 21.
Golf club. F. C. Houser. 2,121,387; June 21.
Golf club. C. T. Jennings. 2,121,295; June 21.
Golf club and implement handle. E. J. Sweetland. 2,121,718; June 21.
Gold leaf and product thereof, Making. F. Demel. 2,121,559; June 21.
Golf tee. L. S. Barr. 2,121,113; June 21.
Governor means. A. Ohnrich. 2,121,508; June 21.
Grain puffing equipment. W. J. Charnley. 2,120,964; June 21.
Granular product and preparing the same. F. H. Amon. 2,121,535; June 21.
Grease, Stable line soap. G. A. Suit. 2,121,748; June 21.
Grinding machine-work leading and driving mechanism. R. A. Cole. 2,121,730; June 21.
Grinding wheel. J. F. Fischer. 2,121,656; June 21.
Gripping mechanism. W. W. Criley. 2,121,119; June 21.
Guard or protective device for trees or hydrants. D. H. Young. 2,121,379; June 21.
Guide, Fender. A. A. Johnson. 2,121,525; June 21.
Handbag. A. Landis. 2,121,154; June 21.
Handkerchief pocketbook ensemble. S. English. 2,121,561; June 21.
Handle: *See*—
Golf club and implement handle.
Handle and lock mechanism, Automobile door. J. Summers. 2,121,414; June 21.
Handle for automobiles, Disappearing door. E. Jones and J. C. Fineout. 2,121,758; June 21.
Hanger: *See*—
Trousers hanger.
Hatch fastener. G. A. Henrickson. 2,121,386; June 21.
Heat exchanger and accumulator. O. S. McGuffey. 2,121,253; June 21.
Heating and cooking unit. J. Uhl and R. Porrman. 2,121,273; June 21.
Heating and cooling system. H. R. Crago. 2,121,625; June 21.
Heating apparatus for automobiles. W. H. Kuehn. 2,121,090; June 21.
Heel and its attachment to shoe. F. C. Lovejoy. 2,121,172; June 21.
Heel, Rubber. H. E. Hustad. 2,121,353; June 21.
Hinge. J. Soss. 2,121,452; June 21.
Hobbyhorse, Walking. E. P. O'Donnell. 2,121,257; June 21.
Hoist, Hydraulic. C. G. Eisenberg, Jr. 2,120,967; June 21.
Hoisting apparatus. W. W. Latimer. 2,121,565; June 21.
Holder: *See*—
Condiment holder. License plate holder.
Door holder. Necktie holder.
Filler rod holder. Sewing equipment holder.
Film holder. Tooth brush holder.
Hook: *See*—
Key ring hook.
Hopper and agitator. G. G. Merchen. 2,121,486; June 21.
Hot air furnace. G. A. Tuck. 2,121,108; June 21.
Hydrocarbon burner. B. V. Szabó. 2,121,271; June 21.
Hydrocarbon vapors with ammonium pentachlorodisincate, Contacting. F. E. Kimball. 2,121,169; June 21.
Hydrocarbons, Apparatus for the separation of saturated and unsaturated. C. Barbieri. 2,121,332; June 21.
Hydrocarbons, Cracking. C. B. Forward. 2,121,027; June 21.
Hypochlorite composition. P. R. Hershman. 2,121,501; June 21.
Ignition starter control. H. Schwarze. 2,121,671; June 21.
Ignition system. L. L. Henderson. 2,121,385; June 21.
Incandescent lamp, Electric. E. Mickley. 2,121,641; June 21.
Incinerator. A. C. Waterman. 2,121,514; June 21.
Indicator: *See*—
Nonrepeating indicator.
Indicator for ascertaining conditions of the circulatory system, Visual. W. J. Cameron. 2,121,014; June 21.
Induction motor. A. Nyman. 2,121,550; June 21.
Inking mechanism for printing machines. W. F. Huck. 2,120,978; June 21.
Insecticidal compositions. L. E. Mills. 2,121,038; June 21.
Insecticidal compositions comprising dinitro-cresols. L. E. Mills. 2,121,039; June 21.
Insulating member for electric heating elements. E. Challet. 2,121,283; June 21.
Integrator mechanism for measuring instruments. F. R. Harrison. 2,121,082; June 21.
Internal combustion injection engine, Governor controlled compression. D. W. Latta. 2,121,666; June 21.
Internal-combustion engine, Two-stroke. H. R. Ricardo. 2,121,409; June 21.
Internal combustion motor. E. E. Hammers. 2,121,660; June 21.
Iron, Corrosion resisting. E. C. Smith and G. T. Motok. 2,121,055; June 21.
Iron, Rustless. W. B. Arness. 2,121,001; June 21.
Jacket, Water. W. E. Bahls. 2,121,579; June 21.
Jar. B. F. Conner. 2,121,382; June 21.
Jar assembly, Rotary, straight-pull. D. U. Shaffer. 2,121,267; June 21.
Jewelry and the like, Article of. L. H. Fontan. 2,121,344; June 21.
Joint: *See*—
Expansion joint. Spectacle frame joint.
Socket joint.
Joint construction. E. M. Tucker. 2,121,372; June 21.
Juice extractor. R. F. Bean. 2,121,622; June 21.
Key ring hook. W. N. Morrison. 2,121,440; June 21.
Lamp: *See*—
Incandescent lamp. Reflecting electric lamp.
Lamp. L. S. Greenman. 2,121,192; June 21.
Lapping machine. W. F. Egger. 2,121,025; June 21.
Latch structure, Door. H. J. Murphy. 2,121,530–1; June 21.
Leather, Artificial. M. M. Brubaker and L. P. Hubbuch. 2,121,684; June 21.
Leather cutting machine. W. C. Shields. 2,121,716; June 21.
License plate holder. B. L. Anderson. 2,121,677; June 21.
Light: *See*—
Decorative light.
Light flux system, Anamorphosing. H. S. Newcomer. 2,121,568; June 21.
Light reflecting means. C. D. Ryder. 2,121,132; June 21.
Lighting construction. P. D. Phillips. 2,121,280; June 21.
Lighting fixture. G. B. Hurlbut. 2,121,738; June 21.
Lighting fixture. R. W. Shoemaker. 2,121,575; June 21.
Line casting and composing machine. L. M. Potts. 2,121,048; June 21.
Line tracker, Automatic. P. Padva and L. J. Cannon. 2,121,211; June 21.
Lining for containers and machine for and method of forming the same. F. T. Robinson. 2,121,053; June 21.
Lining, Glove. W. H. Kuh. 2,121,503; June 21.
Lining, Pump. J. A. Buechler. 2,121,068; June 21.
Lipstick receptacle, Mirror provided. L. H. Fontan. 2,121,221; June 21.
Liquid dispensing apparatus. C. A. Desimone and J. C. Woodford. 2,121,734; June 21.
Liquid gauge. C. V. Oyen. 2,121,748; June 21.
Liquid level control apparatus. R. E. Manley. 2,121,324; June 21.
Liquid measuring and dispensing device. W. M. Colombe. 2,121,424; June 21.
Lock: *See*—
Door lock.
Lock. I. C. White. 2,121,515; June 21.
Lock and key, Magnetic. E. M. Ractliffe. 2,121,301; June 21.
Locking means. W. M. Hamon. 2,121,230; June 21.
Locking mechanism. M. Tibbetts. 2,121,060; June 21.
Locomotive tender. F. P. Roesch. 2,121,326; June 21.
Lubricating means for change speed mechanisms. F. M. Vandervoort. 2,121,214; June 21.
Machine for cutting continuous lengths of rubber threads. E. Vincke. 2,121,062; June 21.
Machine for decorating surfaces by stencil method. L. D. Soubier. 2,121,491; June 21.
Machine for delivering measured charges of fluent material. J. P. Crandall. 2,121,070; June 21.

Machine for finishing gears. R. S. Drummond. 2,121,479; June 21.
Machine for making cans. H. Sebell. 2,121,236; June 21.
Machine for making sanitary pads. O. E. Teall. 2,121,484; June 21.
Machine for manufacturing sized sheets of flattened expanded metal. B. T. Ballard, W. M. McNeil, and R. H. Hurd. 2,121,470; June 21.
Machine for winding yarns or threads or the like on to paper tubes or cones or other bodies. H. Holt and E. Brierley. 2,121,352; June 21.
Match folder, Safety. W. Wallace. 2,121,136; June 21.
Material and producing same, Leather-like. J. J. Moriarty. 2,121,709; June 21.
Material and producing the same, Marked. W. L. Morgan. 2,121,041; June 21.
Material, Cellulosic wrapping. H. A. Gardner and A. Kirkpatrick. 2,121,028; June 21.
Material, Formation and packaging of. S. F. Anderson. 2,121,065; June 21.
Material handling apparatus for machine operations. M. J. Clark. 2,120,966; June 21.
Material, Method of cutting. G. T. Balfe. 2,121,004; June 21.
Material, Ornamental display. W. Venner. 2,121,374; June 21.
Materials, Process and apparatus for drying and burning moist. H. J. Hartley and D. Baird. 2,121,661; June 21.
Materials, Production of textile. R. W. Moncrieff and C. W. North. 2,121,040; June 21.
Materials, Treatment of artificial. H. Dreyfus. 2,121,341; June 21.
Materials, Treatment of textile. H. Dreyfus. 2,121,343; June 21.
Mattress. E. J. Wolf. 2,121,417; June 21.
Meat slicing machine. C. Held. 2,121,348; June 21.
Mechanical furnace. G. N. Halter. 2,121,229; June 21.
Merchandiser, Basket-type floor. J. Lawler. 2,121,155; June 21.
Merchandiser, Basket-type floor. N. J. Leigh. 2,121,156; June 21.
Mercury switch. K. Hunciker. 2,121,235; June 21.
Metal composition, Hard. G. Ritzau. 2,121,448; June 21.
Metal to glass, Apparatus for sealing. J. F. Donovan and F. J. Malloy. 2,121,627; June 21.
Metal tube. D. D. Knowles and E. F. Lowry. 2,121,600; June 21.
Meter: *See*—
Fluid meter.
Mill: *See*—
Colloid mill.
Miner's cap. T. R. Jones. 2,121,296; June 21.
Mirror device. B. Putterman. 2,121,099; June 21.
Mirror suitable for map plotting devices. O. M. Miller. 2,121,255; June 21.
Mobile merchandising device. J. E. Heckert. 2,121,756; June 21.
Mold. C. A. Mensel. 2,121,439; June 21.
Mold structure. J. T. Sentrop. 2,121,450; June 21.
Molding composition of urea resin and modifying agent, and process of making same. C. Ellis. 2,121,076; June 21.
Mop cleaner. C. O. Dickinson. 2,121,426; June 21.
Motor: *See*—
Induction motor. Synchronous motor.
Internal combustion motor.
Motor control system. N. D. Cooper. 2,121,586; June 21.
Motor control system. W. F. Eames. 2,121,588; June 21.
Motor control system, Electric traction. P. L. Mardis and E. A. Binney. 2,121,605; June 21.
Motor vehicle. F. C. Best. 2,121,007; June 21.
Mount, Resilient engine. S. Giuhareff. 2,121,429; June 21.
Mounting: *See*—
Burner mounting. Eyeglass mounting.
Mounting. L. I. Guion, Jr. 2,121,290; June 21.
Mounting means for lamps in headlights of automobiles. F. J. Watts. 2,121,310; June 21.
Mower. B. H. Urschel. 2,121,749; June 21.
Mower, Lawn. F. T. Farmer and S. D. Loud. 2,121,219; June 21.
Mower, Lawn. G. M. Smith. 2,121,451; June 21.
Mowing machines, Attachment for. W. Gaterman. 2,121,425; June 21.
Muffler, Air-cooled. J. S. Fluor, Jr., and P. W. Ash. 2,121,319; June 21.
Muffler, Exhaust. R. R. Barron. 2,121,242; June 21.
Necktie holder. H. H. Knoebel, Jr. 2,121,402; June 21.
Needles, Producing sound reproducing. L. E. Turner. 2,121,272; June 21.
Nest, Trap. F. C. Stone. 2,121,107; June 21.
Network distribution system. G. O. Harrison. 2,121,604-5; June 21.
Network system of distribution. J. S. Parsons and G. O. Harrison. 2,121,606; June 21.
Nonrepeating indicator. A. R. Babcock. 2,121,494; June 21.
Nozzle, Hose. A. C. Lusher and D. L. Spender. 2,121,741; June 21.
Nozzle, Hose. A. J. Scholtes. 2,121,747; June 21.
Nozzle, Spray. G. F. Hollis. 2,121,401; June 21.
Octyl cyclohexanol, Oxidation products of. J. B. Niederl and R. A. Smith. 2,121,472; June 21.
Oil and product therefrom, Hydrogenation of oiticica. J. F. T. Berliner and C. Sly. 2,121,580; June 21.
Oil for withstanding high bearing pressures and making the same. C. B. Karas. 2,121,151; June 21.
Oil, Solvent extraction of. D. R. Merrill. 2,121,325; June 21.
Oil, Treatment of hydrocarbon. W. F. Moore. 2,121,209; June 21.
Oils, Apparatus for dewaxing. R. E. Burk and E. C. Hughes. 2,121,420; June 21.
Oils, Conversion and treatment of mineral. A. E. Pew, Jr. 2,121,046; June 21.
Oils, fats and analogous products, Refining edible. V. R. Kokatnur and O. S. Plantinga. 2,121,545; June 21.
Oils, Refining and converting. C. B. Forward. 2,121,026; June 21.
Oiler, Hog. R. J. Dreeszen. 2,121,688; June 21.
Organ key-control apparatus. R. G. Riesmeyer. 2,121,262; June 21.
Oscillation generator. N. E. Lindenblad. 2,121,158; June 21.
Oscillator. O. T. McIlvaine. 2,121,607; June 21.
Oscillator, Electronic. L. Malter, J. A. Rajchman, and R. R. Goodrich, 2nd. 2,121,360; June 21.
Oscillator stabilising circuit. J. D. Reid. 2,121,447; June 21.
Oven door. E. Challet. 2,121,284; June 21.
Oxides and solid fuels, Preparation and use of metallic. C. C. Morfit and R. H. Sweetser. 2,121,160; June 21.
Oxygen, especially for breathing purposes, Apparatus for generating. M. Hansemann. 2,121,034; June 21.
Oxygen, especially for breathing purposes, Apparatus for generating. M. Hansemann. 2,121,347; June 21.
Pack, Manifold. W. E. Oliver. 2,121,096; June 21.
Package, Frozen comestible. A. E. Herron. 2,121,564; June 21.
Packer, Screw off. L. A. Layne, A. L. Roco, and H. C. Block. 2,120,981; June 21.
Packing box, Gas-tight. H. G. Kittredge and S. J. Broderick. 2,121,667; June 21.
Packing case. M. Round. 2,121,410; June 21.
Pad: *See*—
Foot deodorant pad.
Pad for hair waving, Scalp protecting. V. Geraci. 2,121,466; June 21.
Panel structure and making same, Weatherproof. J. W. Shields. 2,121,512; June 21.
Paneling, Interior. F. M. Small. 2,121,213; June 21.
Paper manufacture. L. R. Growdon. 2,121,540; June 21.
Paper pulp, Cork treated. L. L. Larson. 2,121,703; June 21.
Parking control apparatus. E. J. Sweetland. 2,121,179; June 21.
Partition, Adjustable counter. C. B. St. John. 2,121,492; June 21.
Partition, Slidable. H. H. Stevens, Jr. 2,121,106; June 21.
Patterned effects on crepe products and product therefrom, Making. G. Heberlein, Jun. 2,121,755; June 21.
Pavement breaking equipment. C. O. Finn. 2,121,480; June 21.
Peening tool. A. T. Rochte. 2,121,669; June 21.
Pen, Fountain. F. M. Ashley. 2,121,239; June 21.
Pen points, Manufacture of. G. E. Bartol, Jr. 2,121,542; June 21.
Pen points, Manufacturing. L. S. Henwood. 2,121,541; June 21.
Petrolatum, Purifying. F. W. Breth and A. Kinsel. 2,121,518; June 21.
Petroleum oils, Acid treatment of. L. U. Franklin. 2,121,167; June 21.
Phase sequence apparatus. R. E. Powers. 2,121,609; June 21.
Phosphate coating baths, Maintenance of. L. P. Curtin. 2,121,520; June 21.
Phosphate, Production of monocalcium. C. H. Milligan. 2,121,208; June 21.
Photoelectric device. L. R. Koller. 2,121,636; June 21.
Photoelectric haze penetrator. H. E. Jones. 2,121,771; June 21.
Piezoelectric crystal holder. R. C. Curtis. 2,121,340; June 21.
Pin: *See*—
Cotter pin.
Piston actuated switch. E. F. Kettunen. 2,121,433; June 21.
Plastic, Ship deck mortar-like adhesive. J. Labra. 2,121,067; June 21.
Plotting apparatus, Stereophotogrammetric. O. von Gruber. 2,121,081; June 21.
Plug: *See*—
Connecter plug. Spark plug.
Electric plug.
Plug. N. Chirelstein. 2,121,338; June 21.
Pneumatic tool. E. J. Selden. 2,120,992; June 21.
Pocket for garments and producing same, Knit breast. G. E. Rutledge and R. H. Davidson. 2,121,480; June 21.
Pole for drying machines or the like, Conveyer. T. Allsop and W. W. Sibson. 2,121,216; June 21.
Polymerisation process. R. Hill. 2,121,695; June 21.
Pontoon, float, and the like. D. Roberts and F. W. Peel. 2,121,052; June 21.
Pour point reducer. E. F. Pevere. 2,121,326; June 21.





Powder dispenser, Tooth. C. C. Pope and H. T. Slaton. 2,121,047; June 21.
Powder, Manufacturing smokeless. D. R. Wiggam. 2,121,138; June 21.
Power indicating apparatus, Electrical. O. E. De Lange. 2,121,141; June 21.
Power supply system, Vibrator. A. D. Burt. 2,121,421; June 21.
Power transmitting mechanism, Automatic. W. E. Haupt. 2,121,663; June 21.
Preselector device for controlling sliding pinion gear boxes. M. Lempereur and C. Vincent. 2,121,157; June 21.
Press: *See*—
Printing press.
Pressure gauge. I. S. Salnikov. 2,120,991; June 21.
Print roll composition. L. H. Harrison. 2,121,126; June 21.
Print roll composition. J. T. Power. 2,121,131; June 21.
Printing and article resulting therefrom. R. T. K. Cornwell. 2,121,021; June 21.
Printing press. C. W. Harrold and C. G. Horton. 2,121,195; June 21.
Printing press. B. Wale. 2,121,308; June 21.
Printing press, Rotary. B. Wale. 2,121,309; June 21.
Protector: *See*—
Baseball head protector. Thread protector.
Pump or compressor, Rotary. C. E. Yates. 2,121,110; June 21.
Quotation board. W. E. Roland. 2,121,390; June 21.
Rack: *See*—
Refrigerator car floor rack.
Radiator construction. J. H. Miguel. 2,121,708; June 21.
Radio receiver dial apparatus. R. C. Marbois. 2,121,762; June 21.
Radio receivers, Tuning and indicating apparatus for. L. J. Wronke. 2,121,767; June 21.
Radio transmitting and receiving system. H. Diamond. 2,121,024; June 21.
Rail bond. J. Statz. 2,121,769; June 21.
Range. J. W. Barker. 2,121,473; June 21.
Razor blades, Device for the sharpening of. J. Medellin. 2,121,438; June 21.
Razor, Safety. J. W. Anderson. 2,121,000; June 21.
Razor, Safety. W. H. Hall. 2,121,228; June 21.
Reactance independent of temperature. G. Hagen. 2,121,148; June 21.
Receptacle: *See*—
Condiment receptacle. Lipstick receptacle.
Records, Method of and apparatus for the indexing and photo-transcription of. L. G. Townsend. 2,121,061; June 21.
Rectifiers, Producing selenium. A. Lota. 2,121,603; June 21.
Reflecting electric lamp. C. Birdseye and C. K. Reiman. 2,121,314; June 21.
Reflecting electric lamp. C. K. Reiman and J. F. Cook, Jr. 2,121,765; June 21.
Reflector, High intensity. G. Leray. 2,121,566; June 21.
Refrigerating device. J. T. Bertrand. 2,121,381; June 21.
Refrigerating system. L. D. Kellogg. 2,121,083; June 21.
Refrigeration apparatus. O. I. Price. 2,121,049; June 21.
Refrigerator. H. L. Merrill. 2,121,640; June 21.
Refrigerator car floor rack. V. E. Sisson. 2,121,269; June 21.
Register, Running. F. S. Shields. 2,121,104-5; June 21.
Regulating apparatus. J. F. Kovalsky. 2,121,601; June 21.
Reservoir release valve. E. K. Lynn and W. S. Abraham. 2,121,548; June 21.
Resin product and making same, Glass-clear synthetic. C. Ellis. 2,121,077; June 21.
Resin, Synthetic. I. Rosenblum. 2,121,642; June 21.
Resins, Synthetic. R. A. Jacobson. 2,121,697; June 21.
Resinous material and producing it, Synthetic. I. W. Humphrey. 2,121,294; June 21.
Respiration apparatus. B. E. W. Anderson and G. K. V. Johanson. 2,121,311; June 21.
Retainer means for brake hangers. M. S. Johnson. 2,121,249; June 21.
Rig, Logging. C. Torner. 2,121,134; June 21.
Ring: *See*—
Finger ring.
Ring traveler. P. C. Wentworth. 2,121,647; June 21.
Ringlet setting implement. V. Beraci. 2,121,467; June 21.
Rod: *See*—
Welding rod.
Rod line carrier. R. D. Hill. 2,121,694; June 21.
Roof support for underground passageways. F. J. Habe. 2,121,291; June 21.
Room cooler. C. F. Wheaton. 2,121,648; June 21.
Rotary bit. R. J. Killgore. 2,121,202; June 21.
Rotation, Apparatus and method for controlling. H. A. Satterlee. 2,121,054; June 21.
Rotor, Aircraft sustaining. J. A. J. Bennett. 2,121,536; June 21.
Rubber, Preservation of. I. Williams and A. M. Neal. 2,121,618-9; June 21.
Safety control brake. E. E. Von Behren. 2,121,555; June 21.
Salts of high molecular nonaromatic carboxylic acids, Catalytically hydrogenating metal. G. Schiller. 2,121,368; June 21.
Salts of hydrosulphurous acid and preparation thereof, Stabilized. F. B. Downing and C. J. Pedersen. 2,121,397; June 21.
Sash, Back-set metal. J. J. Nuding and J. Pollak. 2,121,094; June 21.
Saw, Circular. J. G. Colliga. 2,121,069; June 21.
Saw, Power meat band. C. G. Biro. 2,120,963; June 21.
Scaffold bracket. W. R. Leeworthy. 2,121,704; June 21.
Scale, Weighing. W. A. Flumerfelt. 2,121,481; June 21.
Screen: *See*—
Trommel screen. Window screen.
Screen washer. T. S. Park. 2,120,988; June 21.
Screw, Conveyer. A. Winterlich. 2,121,462; June 21.
Screw extractor. E. F. Jackman. 2,121,197; June 21.
Scrubbing machine for floors and floor coverings. A. B. Beltman. 2,121,649; June 21.
Seal, Lead. L. A. Layne. 2,120,982; June 21.
Sealing means. F. W. Peters. 2,121,299; June 21.
Seat: *See*—
Annular valve seat. Car seat.
Seat structure, Vehicle. L. S. Whedon and A. A. Grinnell. 2,121,238; June 21.
Seed germinating machine. E. A. Widmann. 2,121,461; June 21.
Sensitivity control system for automobile receivers. L. T. Fowler. 2,121,427; June 21.
Sewing equipment holder, Multiple purpose. A. Q. Adamson. 2,121,676; June 21.
Sewing machine belt drive. J. Galkin. 2,121,080; June 21.
Sewing machines, Feed mechanism for. G. Sauer. 2,121,532; June 21.
Sewing machines, Take-up mechanism for. H. E. Cooper. 2,121,652; June 21.
Sewing machines, Trimming mechanism for. F. A. Kucera. 2,121,526; June 21.
Sewing machine with looper thread control. F. Ebert. 2,121,689; June 21.
Shade fixture. L. M. Kapsalis. 2,121,700; June 21.
Shaker, Salt. P. Beringer. 2,121,116; June 21.
Shear, Flying. G. L. Mak. 2,121,145; June 21.
Shears, Sheet metal. R. O. Hooker. 2,121,247; June 21.
Sheave block construction. B. S. Minor. 2,121,256; June 21.
Sheet material cutter. J. A. Bassett. 2,121,681; June 21.
Sheets, bands, tubes, rods, and the like, and in particular wire, Manufacture of. A. vom Braucke. 2,121,415; June 21.
Shock absorber. S. G. Conkling. 2,121,339; June 21.
Shoes and products thereof, Producing orthopedic. A. E. Murray. 2,120,987; June 21.
Shovel. A. J. Jonsson. 2,121,200; June 21.
Shut-down device for well pumping engines. A. B. Case. 2,121,316; June 21.
Sign painter's table. G. R. Cole. 2,121,140; June 21.
Signal: *See*—
Directional signal. Traffic signal.
Signal. C. Adler, Jr. 2,121,276; June 21.
Signal system. W. D. Lindsey. 2,121,357; June 21.
Signaling system, Selective. A. S. Benjamin. 2,121,182; June 21.
Sinks, Making. J. Stanits. 2,121,672; June 21.
Sizing and shearing method and device for flattened expanded metal. M. G. Vass. 2,121,469; June 21.
Sizing apparatus for internal grinding machines. R. A. Cole. 2,121,729; June 21.
Sizing method and machine. O. E. Gibson. 2,121,468; June 21.
Skid-preventing device for use with vehicle tires. H. T. Kraft. 2,121,740; June 21.
Slat, Venetian blind. C. Ellis. 2,121,217; June 21.
Slicing apparatus. P. G. Peddicord. 2,121,340; June 21.
Slicing machine. C. F. M. van Berkel. 2,121,351; June 21.
Sludge and other waste materials, Incineration of sewage. H. J. Hartley and D. Baird. 2,121,662; June 21.
Smelting furnace. C. C. Berg. 2,121,405; June 21.
Socket joint. K. K. Larsen. 2,121,322; June 21.
Sodium cyanide, Manufacture of high grade. L. J. Christmann. 2,121,020; June 21.
Solenoid mechanism. C. G. Kronmiller. 2,121,321; June 21.
Solutions of soluble heavy metal salts of sulphonated aliphatic compounds, Aqueous. W. H. McAllister, R. A. Duncan, and O. T. Quimby. 2,121,485; June 21.
Solvent refining process. R. E. Manley, B. Y. McCarty, and H. H. Gross. 2,121,323; June 21.
Sounds, System for the artificial production of vocal or other. H. W. Dudley. 2,121,142; June 21.
Spark plug. M. Sousa. 2,121,178; June 21.
Spear. G. A. Humason. 2,121,634; June 21.
Spectacle frame joint. R. E. Polden and W. C. Hawkings. 2,121,572; June 21.
Sponge, Composite. H. Z. Gray. 2,121,384; June 21.
Spool. H. C. Howsam. 2,121,234; June 21.
Spring shank for shoes. G. A. Reily and J. G. Novak. 2,121,261; June 21.
Spring: *See*—
Contact spring.
Starch. C. C. Kesler. 2,121,502; June 21.

Steel or other metal billets, bars, or the like, Manufacture of. W. C. Bell. 2,121,280; June 21.
Stop, Door. M. J. and A. M. Sasgen. 2,121,490; June 21.
Stop mechanism for knitting machines. M. Wachsman. 2,121,375; June 21.
Stop mechanism for knitting machines. J. and M. Wachsman. 2,121,376; June 21.
Strainer for wells. L. A. Layne. 2,120,983; June 21.
Strata in wells, Plugging porous. C. Irons. 2,121,036; June 21.
Structural assembly. V. Jacobsen. 2,121,432; June 21.
Sulphates of polybasic acid esters. J. H. Werntz. 2,121,616; June 21.
Sulphur, Recovery of. E. Klepetko and L. G. Wright. 2,121,544; June 21.
Support: *See*—
Electrode support.
Support for shoes, Making and applying an arch. S. Shain. 2,121,176; June 21.
Supporter, Shoulder strap. W. E. Smith. 2,121,513; June 21.
Supporting mechanism for the crown sheave of a drilling machine. J. A. Elmes. 2,121,078; June 21.
Suspender, Invisible. H. C. Lyons. 2,121,251; June 21.
Switch: *See*—
Electric switch. Piston actuated switch.
Mercury switch. Time switch.
Switch. E. M. Claytor. 2,121,651; June 21.
Switch. M. Faulkner. 2,121,124; June 21.
Switch box cover fastener. E. B. Workman. 2,121,620; June 21.
Switch for dynamo-electric machines, Reversing. J. H. Blankenbuehler. 2,121,581; June 21.
Switch for toy vehicle tracks. B. Horn. 2,121,696; June 21.
Synchronous motor, Self-starting single-phase alternating current. O. Jansen. 2,121,600; June 21.
Table: *See*—
Folding table. Sign painter's table.
Tank cover construction. H. G. Beede. 2,120,961; June 21.
Tank structure, Pickling. J. A. Clauss and D. E. McGuire. 2,121,139; June 21.
Tank structure, Transformer. R. L. Brown. 2,121,583; June 21.
Tap, Bottoming. R. F. Bath. 2,121,380; June 21.
Tapper, Portable electrically controlled. F. Cordes. 2,121,286; June 21.
Target. F. R. B. Whitehouse. 2,121,377; June 21.
Target trap. A. M. McCrea. 2,121,763; June 21.
Tearing means for wrappers of cellophane and the like. B. Olsson. 2,121,443; June 21.
Telephone and fire alarm system, Combined. R. C. Bradford. 2,121,282; June 21.
Telephone system. C. E. Lemax and J. H. Voss. 2,121,189; June 21.
Telephone system, Call distributing. F. B. Blake. 2,121,419; June 21.
Telephone system, Call distributing. S. F. Dunning. 2,121,496; June 21.
Tenturing machine. R. E. Rusden. 2,121,101; June 21.
Testing device for wetting agents. I. M. Colbeth. 2,121,423; June 21.
Textiles resistive against shrinking and product thereof, Rendering. C. Bener. 2,121,006; June 21.
Textiles with calender finish permanent to washing and product thereof, Producing. C. Bener. 2,121,005; June 21.
Thermostat. E. Biets. 2,121,582; June 21.
Thermostat, Electric. S. G. Rakin. 2,121,079; June 21.
Thermostatic elements. F. A. Parsons. 2,121,259; June 21.
Thread, Artificial. R. Picard and A.-M. Oriel. 2,120,990; June 21.
Thread protecter. L. H. Lytle. 2,121,436; June 21.
Thread tensioning device for braiding machines and the like. H. Janssen. 2,121,736; June 21.
Threader, Spring curtain. P. Petri. 2,121,712; June 21.
Ticket issuing machine. E. H. Heisel. 2,120,976; June 21.
Ticket, Protection. H. P. Knoble. 2,121,203; June 21.
Time switch. F. Conrad. 2,121,585; June 21.
Time valve, Automatic. C. I. Young. 2,121,274; June 21.
Timer, Electronic. R. E. Conover. 2,121,117; June 21.
Timing device, Variable. H. L. Duncan. 2,121,560; June 21.
Tire retreading machine. F. W. Marco. 2,121,252; June 21.
Titanium iron alloy. E. C. Smith and G. T. Motok. 2,121,656; June 21.
Titanium oxygen compounds, Preparation of. P. Weise and F. Raspe. 2,121,215; June 21.
Tobacco, Apparatus for treating. R. D. Touton. 2,121,370; June 21.
Tobacco, Treating. R. D. Touton. 2,121,369; June 21.
Tone control system. K. W. Jarvis. 2,121,150; June 21.
Tool: *See*—
Belt applying and removing tool. Peening tool.
Cutting tool. Pneumatic tool.
Tooth brush. A. Loeffler. 2,121,358; June 21.
Tooth brush. W. E. D. Turner. 2,121,373; June 21.
Tooth brush holder. H. Nofs. 2,121,468; June 21.
Torpedo. E. S. Purington. 2,121,446; June 21.
Totalizing system. H. C. Robinson. 2,121,164; June 21.
Towel. J. A. Riley. 2,121,162; June 21.
Towel cabinet. L. M. Harvey. 2,121,346; June 21.
Toy. E. S. Savage. 2,121,175; June 21.
Toy, Mechanical. H. Krupp. 2,121,355; June 21.
Toy, Vehicle. E. E. Knutson. 2,121,152; June 21.
Track crossing, Reinforced. J. F. E. and R. L. Grand. 2,121,650; June 21.
Traffic signal. G. E. Munch. 2,121,003; June 21.
Trailer hitch. O. E. Leines. 2,121,705; June 21.
Trailer, Tandem wheel. L. M. Francis. 2,121,245; June 21.
Transformer, Constant regulation. J. H. Gough. 2,121,592; June 21.
Transporting and dumping vehicle. G. R. Dempster. 2,121,121; June 21.
Trap: *See*—
Target trap.
Trip controlled brake. R. R. Stevens. 2,121,552; June 21.
Trommel screen. J. A. Traylor. 2,121,371; June 21.
Trousers hanger. H. F. Saenger. 2,121,715; June 21.
Truck, Hand lift. G. Quayle. 2,121,764; June 21.
Tube: *See*—
Electron tube. X-ray tube.
Metal tube.
Tube with metal envelope, Hot cathode. E. F. Lowry. 2,121,761; June 21.
Tube with zero temperature effect, Grid glow. R. K. Gessford and D. D. Knowles. 2,121,591; June 21.
Tubes, Coppering of seamless. M. Braun. 2,121,393; June 21.
Tubes, Gettering vacuum. H. Vatter. 2,121,180; June 21.
Tubular members, Joining. S. C. Hollister, J. E. Trainer, and B. T. Kehoe. 2,121,035; June 21.
Tubular system, Installing a. J. S. Coe and W. M. Mulholland. 2,121,556; June 21.
Turbine arrangement, Elastic fluid. A. R. Smith. 2,121,643; June 21.
Turbine, Elastic fluid. G. B. Warren. 2,121,645; June 21.
2-amino-8-hydroxy-quinoline and its salts and producing the same. H. J. Schneiderwirth. 2,121,449; June 21.
Two-cycle engine. C. L. Bowden. 2,121,727; June 21.
Typewriting machine. A. G. F. Kurowski. 2,121,086; June 21.
Universal coupling. A. P. A. ten Broek. 2,121,455; June 21.
Utensil, Kitchen. C. A. Sundstrand. 2,121,453; June 21.
Vacuum pumping for mercury rectifiers. L. A. Kilgore and J. H. Cox. 2,121,599; June 21.
Valve: *See*—
Container valve. Time valve.
Diaphragm valve.
Valve. E. G. Johnson. 2,121,354; June 21.
Valve. F. R. McGee. 2,121,707; June 21.
Valve construction. D. H. Greenwood. 2,121,031; June 21.
Valve control, Choke. H. Ashworth. 2,121,392; June 21.
Valve device, Reservoir release. C. D. Stewart and R. R. Stevens. 2,121,553; June 21.
Valve for internal combustion engines, Oscillatory. C. Bretschneider. 2,121,768; June 21.
Valve for pneumatic hammers, Operating. E. E. Nagel. 2,121,364; June 21.
Valve for refrigerating systems, Regulating. B. N. Bicknell. 2,121,312; June 21.
Valve for well testing tools. D. U. Shaffer. 2,121,268; June 21.
Valve guide. P. J. Marten. 2,121,362; June 21.
Valve seat, Annular. J. Zagorski. 2,121,464; June 21.
Valve seats, Making hot-blast. R. H. Currie. 2,121,686; June 21.
Valve washer. W. C. Black. 2,121,315; June 21.
Valve with resilient cover, Quick coupling. W. A. Buckner. 2,121,244; June 21.
Vanity. R. W. Wilson. 2,121,111; June 21.
Variable reactance modulator circuit. C. W. Hansell. 2,121,737; June 21.
Varnish base, Making a. G. Barsky and S. S. Gutkin. 2,121,335; June 21.
Varnish, Preparing an oil. G. Barsky. 2,121,334; June 21.
Vault, Burial. J. F. Myers. 2,121,363; June 21.
Vegetable cutter, Rotary. J. J. Lee. 2,121,089; June 21.
Vegetation bearing cellular structure and system. W. M. Macpherson. 2,121,173; June 21.
Vegetable washer. F. Travaglini. 2,121,719; June 21.
Vehicle: *See*—
Cross country vehicle. Transporting and dumping vehicle.
Motor vehicle.
Vehicle suspension. J. V. Martin. 2,121,504; June 21.
Vending machine. C. V. Vanbergen. 2,121,457; June 21.
Ventilator, Window. J. A. Webb. 2,121,646; June 21.
Vermin eliminating device. A. D. Purifoy. 2,121,466; June 21.
Vessel for electric apparatus, Vacuum- and gas-tight. W. Espe. 2,121,590; June 21.
Vibrator and expansion device for transmission lines, Mechanical. C. O. Dorman. 2,121,476; June 21.
Vinylidene chloride, Stabilizing. E. C. Britton and W. J. Le Fevre. 2,121,009–12; June 21.
Viscosity control. H. J. Paynter. 2,121,045; June 21.
Volume control means, Audio frequency. W. P. Maginnis. 2,121,091; June 21.





Wall structure for railway cars. G. G. Gilpin. 2,121,288; June 21.
Washer: *See*—
Screen washer. Vegetable washer.
Valve washer.
Washing machine. K. P. Hamm. 2,121,431; June 21.
Washing machine, Clothes. P. E. Geldhof. 2,121,523; June 21.
Water heating control device, Hot. W. O. Lum. 2,121,639; June 21.
Wave presser. N. L. Solomon. 2,121,058; June 21.
Weeder. C. B. Ruffcorn. 2,121,265; June 21.
Weighing apparatus. O. P. Haegele. 2,121,227; June 21.
Welding, Electric arc. H. M. Henderson. 2,121,693; June 21.
Welding rod. C. Hardy. 2,121,194; June 21.
Wheel. F. C. Frank. 2,121,146; June 21.
Wheels, Manufacturing vehicle. S. N. Johnson. 2,121,199; June 21.
Wick for liquid fuel burners. N. E. Heil. 2,121,293; June 21.
Window assembly for automotive vehicles. H. E. Van Voorhees. 2,121,577; June 21.
Window construction. F. B. Rose. 2,121,714; June 21.
Window screen. W. H. Maynard. 2,121,174; June 21.
Windshield cleaner. E. C. Horton. 2,121,233; June 21.
Windshield cleaner. T. J. Scofield. 2,121,266; June 21.
Wire article. J. Lapinskas. 2,121,403; June 21.
Wire bunches, Machine for producing coiled. G. L. Mason. 2,121,527; June 21.
Wire connecter. R. N. Rowe. 2,121,329; June 21.
Wireless and like receiver. F. T. Lett. 2,120,984; June 21.
Work supporting and rotating mechanism. A. G. Belden. 2,121,726; June 21.
Wrapping materials, Moistureproofing. R. T. K. Cornwell. 2,121,023; June 21.
Wheel: *See*—
Composite abrasive wheel. Grinding wheel.
Cutting off wheel.
X-ray apparatus. M. J. Gross and Z. J. Atlee. 2,121,630; June 21.
X-ray tube. M. J. Gross and Z. J. Atlee. 2,121,631–2; June 21.
Yeast production, Apparatus and process for aerating wort in. W. Vogelbusch. 2,121,458; June 21.
Zinc and product formed thereby, Treating. W. B. Schulte. 2,121,412; June 21.
Zinc, Coating. G. C. Romig. 2,121,574; June 21.
Zinc, Deoxidation of technically pure. F. Schreiber. 2,121,306; June 21.
Zinc sulphate, Production of. I. L. Haag. 2,121,399; June 21.

# CLASSIFICATION OF PATENTS

## ISSUED JUNE 21, 1938

**In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.**

NOTE.—First number—class, second number—subclass, third number—patent number

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| | 10: | 2,121,149 | | 54: | 2,121,880 |
| | 24: | 2,121,622 | | 80: | 2,121,548 |
| | 27: | 2,121,191 | | 84: | 2,121,453 |
| | 36: | 2,121,139 | | 88: | 2,121,888 |
| 266— | 7: | 2,121,486 | 304— | 14: | 2,121,704 |
| | 29: | 2,121,485 | 308— | 2: | 2,121,481 |
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U. S. GOVERNMENT PRINTING OFFICE: 1936

# LIST OF TRADE-MARK APPLICANTS

## PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acquisto, John, Jamaica, Long Island, N. Y. Bluing liquid. Serial No. 402,839; June 28. Class 11.

Adams & Brooks, Los Angeles, Calif. Popped popcorn. Serial No. 406,163; June 28. Class 46.

Aktieselskabet Bing & Grøndahls Porcelænsfabrik, Copenhagen, Denmark. Porcelain and crockery ware. Serial No. 398,271; June 28. Class 30.

Alder Products Co. (See Schneider, Roy E.)

American Bemberg Corporation, New York, N. Y. Thread and yarn of artificial origin. Serial No. 405,951; June 28. Class 43.

American Cutting Alloys, Inc., New York, N. Y. Cutting tools and parts of such tools. Serial No. 400,149; June 28. Class 23.

American Safety Razor Corporation, Brooklyn, N. Y. Safety razors and safety razor blades. Serial No. 404,248; June 28. Class 23.

Appleby & Appleby, doing business as Audit Bureau of Broadcasting Coverage, Atlantic City, N. J. Periodic bulletins, reports, and compilations of data. Serial No. 400,080; June 28. Class 38.

Aronson-Caplin Company, Inc., New York, N. Y. Silk, satin, rayon, and cotton piece goods. Serial No. 392,006; June 28. Class 42.

Associated Distributors, Inc., Chicago, Ill. Sun-tan lotion and pads impregnated with sun-tan lotion. Serial No. 404,626; June 28. Class 6.

Audit Bureau of Broadcasting Coverage. (See Appleby & Appleby.)

Auto-Lec Stores, Inc., New Orleans, La. Lubricating oils. Serial No. 402,927; June 28. Class 15.

Back, Jesse A., Lawrence, N. Y. Cheese cloth. Serial No. 305,758; June 28. Class 42.

Balfour, Guthrie, & Co., Limited, San Francisco, Calif. Canned prunes. Serial No. 404,627; June 28. Class 46.

Belk Brothers Company, Charlotte, N. C. Shoes, hose, and anklets. Serial No. 405,431; June 28. Class 39.

Bell, William G., Company, The, Boston, Mass. Spiced seasonings. Serial No. 391,680; June 28. Class 46.

Bennet, Eve, New York, N. Y. Dolls and dummy representations of beings. Serial No. 406,086; June 28. Class 22.

Bermuda Knitwear Corporation, New York, N. Y. Knitted outerwear and beach wear. Serial No. 405,586; June 28. Class 39.

Betty Wells Cosmetic Co. (See Fowler, Ernestine.)

Billimack, Vernon J., doing business as Inca Products, St. Louis, Mo. Bird foods for canaries and the like. Serial No. 404,463; June 28. Class 46.

Bocan Drug Co. (See Bockmann, Frederick A.)

Bockmann, Frederick A., doing business as Bocan Drug Co., Utica, N. Y. Laxative tablets. Serial No. 406,080; June 28. Class 6.

Bracken, Louis D., Seattle, Wash. Medicated ointment for cold sores. Serial No. 406,369; June 28. Class 6.

Bremner Bros., Chicago, Ill. Crackers. Serial No. 404,290; June 28. Class 46.

Bril, Jacques L., New York, N. Y. Electrical lie detector and accessories, etc. Serial No. 401,808; June 28. Class 26.

Broadway Drug Products Co., New York, N. Y. Prophylactic rubber articles. Serial No. 401,763; June 28. Class 44.

Builders Iron Foundry, Providence, R. I. Fluid flow metering nozzles. Serial No. 406,009; June 28. Class 26.

Buxbaum, S., Company, Newton Centre, Mass. Butter. Serial No. 398,609; June 28. Class 46.

California Mission Vintage Co. (See Moramarco, Antonio.)

Camden Furniture Company, Camden, Ark. Periodical advertising publication. Serial No. 401,369; June 28. Class 38.

Celanese Corporation of America, New York, N. Y. Fabrics in the piece. Serial No. 405,590; June 28. Class 42.

Central Orange County Citrus Exchange, Anaheim, Calif. Fresh citrus fruit, canned citrus fruit juices, and citrus fruit concentrates for food purposes. Serial No. 405,150; June 28. Class 46.

Champion Chemical Works, Incorporated, New York, N. Y. Chlorinated lime. Serial No. 393,316; June 28. Class 6.

Chevron Co. (See Knapp-Monarch Company.)

Chicago Sales & Building Supply Co. (See Gessler, Samuel.)

Churchhill Downs-Latonia Inc., Louisville, Ky. Magazine published from time to time. Serial No. 400,551; June 28. Class 38.

Clairol, Inc., New York, N. Y. Shampoo, hair wash, and hair beautifier preparation. Serial Nos. 394,580–2; June 28. Class 6.

Cohen, Goldman & Co. Inc., New York, N. Y. Coats, vests, pants, etc. Serial No. 404,935; June 28. Class 39.

Congress Shirt Company, Boston, Mass. Sport jackets and parkas. Serial No. 404,162; June 28. Class 39.

Conrad Page Corporation, Washington, D. C. Brandy. Serial No. 402,511; June 28. Class 49.

Container Corporation of America, Chicago, Ill. Wood pulp. Serial No. 405,984; June 28. Class 1.

Corn Products Refining Company, New York, N. Y. Orange soda, root beer, grape soda, etc. Serial No. 405,917; June 28. Class 45.

Cosgrove, Marion S., New York, N. Y. Preparation for relief of pain of brow plucking, and antiseptic solution. Serial No. 402,770; June 28. Class 6.

Daniels, Ward, Fillmore, Calif. Fresh citrus fruit. Serial No. 404,633; June 28. Class 46.

Dawson, Dan, Harveysburg, Ohio. Medicated hog food. Serial No. 405,487; June 28. Class 46.

Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Tires. Serial No. 401,427; June 28. Class 35.

Decorators Digest, Inc., The, New York, N. Y. Magazine. Serial No. 403,169; June 28. Class 38.

Department Store Publishing Corporation, New York, N. Y. Magazine. Serial No. 403,400; June 28. Class 38.

Deutscher Kriegerbund New York von 1884, Inc., New York, N. Y. Magazine. Serial No. 404,166; June 28. Class 38.

Diana, Alexander, doing business as Diana Fruit Preserving Co., Santa Clara, Calif. Preserved cherries. Serial No. 403,542; June 28. Class 46.

Don Confectionery Company Limited, The, Shefield, England. Candies. Serial No. 402,904; June 28. Class 46.

Etournaud, Jph., & Co., Cognac, France. Cognac and liqueurs. Serial No. 405,064; June 28. Class 49.

Ever-Plastics Corporation, New York, N. Y. Synthetic compound. Serial No. 402,119; June 28. Class 12.

Evr-Klean Seat Pad Co., St. Louis, Mo. Automobile seat covers. Serial No. 388,923; June 28. Class 19.

Evr-Klean Seat Pad Co., St. Louis, Mo. Vehicle seat covers and pads. Serial No. 388,927; June 28. Class 19.

Fearn Laboratories, Inc., Chicago, Ill. Curing salts and compounds containing curing salts. Serial No. 405,385; June 28. Class 6.

Feuerheerd Bros. & Ca. Ltda., Villa Nova de Gaya (Oporto), Portugal. Port wines. Serial No. 386,798; June 28. Class 47.

Flintkote Company, The, New York, N. Y. Insulating materials. Serial No. 391,694; June 28. Class 12.

Flying Stories, Inc., New York, N. Y. Periodical. Serial No. 403,250; June 28. Class 38.

Fowler, Ernestine, doing business as Betty Wells Cosmetic Co., San Francisco, Calif. Skin tonic, astringent, and powder base. Serial No. 389,914; June 28. Class 6.

Friendly Knitting Mills, Inc., Brooklyn, N. Y. Knitted sweaters. Serial No. 405,203; June 28. Class 39.

Gallenkamp Stores Co., San Francisco, Calif. Shoes. Serial No. 405,695; June 28. Class 39.

Gardner Machine Company, South Beloit, Ill. Abrasive tools, abrasive wheels, and abrasive disks. Serial No. 404,209; June 28. Class 4.

Garner-Tarkenton, Wilson, N. C. Beverage. Serial No. 402,970; June 28. Class 45.

Gellocide Corporation, Tulsa, Okla. Medicine. Serial Nos. 405,111–14; June 28. Class 6.

Gemloid Corporation, New York, N. Y. Dials. Serial No. 399,504; June 28. Class 26.

General Equipment Co., Los Angeles, Calif. Cooling unit for air conditioning. Serial No. 404,894; June 28. Class 34.

General Paint & Varnish Co., Chicago, Ill. Paints and paint enamels. Serial No. 404,706; June 28. Class 16.

General Purchasing Company, Paris, France. Perfume. Serial No. 405,155; June 28. Class 6.

Gessler, Samuel, doing business as Chicago Sales & Building Supply Co., Chicago, Ill. Building units. Serial No. 401,479; June 28. Class 12.

Gillette Safety Razor Company, Boston, Mass. Electrically operated instruments for shaving and for removing hair from the body. Serial Nos. 405,696–7; June 28. Class 23.

Glencoe Lime & Cement Co., St. Louis, Mo. Lime. Serial No. 402,371; June 28. Class 12.

Gold Buckle Association, East Highlands, Calif. Fresh citrus fruits. Serial No. 400,006; June 28. Class 46.

Goodstein, W. H., Millinery Co., Chicago, Ill. Women's hats. Serial No. 404,126; June 28. Class 39.

Grant, William G., doing business as Willco Mfg. Company, Tulsa, Okla. Athletic equipment. Serial No. 403,867; June 28. Class 22.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Grobine Knitting Mills, Inc., New York, N. Y. Dresses. Serial No. 405,160; June 28. Class 39.
Gum Incorporated, Philadelphia, Pa. Chewing gum. Serial No. 404,362; June 28. Class 46.
Gusmer, A., Inc., Hoboken, N. J. Brewers' tank cleaning preparation. Serial No. 404,647; June 28. Class 4.
Haserot Company, The, Cleveland, Ohio. Coffee. Serial No. 404,789; June 28. Class 46.
Hearst Magazines Inc., New York, N. Y. Magazine. Serial No. 405,021; June 28. Class 38.
Heatbath Corporation, The, West Springfield, Mass. Salt compositions for metal treating baths. Serial No. 404,758; June 28. Class 6.
Herzog Miniature Lamp Works, Inc., Long Island City, N. Y. Electric incandescent lamp bulbs. Serial No. 404,524; June 28. Class 21.
Hewitt Soap Company, Inc., The, Dayton, Ohio. Complexion soap. Serial No. 396,918; June 28. Class 4.
Hickey Freeman Company, Rochester, N. Y. Suits, topcoats, and overcoats. Serial No. 405,961; June 28. Class 39.
Hollingshead, R. M., Corporation, Camden, N. J. Lubricants, lubricating oils, lubricating greases, etc. Serial No. 405,251; June 28. Class 15.
Hughes, Edward J., doing business as Tribike Company, Mineola, N. Y. Children's velocipedes. Serial No. 402,976; June 28. Class 22.
Humble Oil & Refining Company, Houston, Tex. Ready mixed paints and paint enamels. Serial No. 402,565; June 28. Class 16.
Hyal Products Co., New York, N. Y. Razor blades. Serial No. 405,698; June 28. Class 23.
Ice Cream Products, Inc., Chicago, Ill. Specially treated milk solids. Serial No. 406,135; June 28. Class 46.
Inca Products. (See Billimack, Vernon J.)
Ingham, Richard, & Company, Limited, Pudsey, England. Yarns of wool, worsted, or hair. Serial No. 398,539; June 28. Class 43.
Instituto Nazionale Medico Farmacologico "Serono", Rome, Italy. Pharmaceutical. Serial No. 401,306; June 28. Class 6.
International Bedding Company, The, Baltimore, Md. Mattresses, cushions, studio couches, etc. Serial No. 406,586; June 28. Class 32.
International Printing Ink Corporation, New York, N. Y. Printing inks. Serial No. 406,186; June 28. Class 11.
International Radio Corporation, Ann Arbor, Mich. Cameras, camera lens, and photographic equipment. Serial No. 404,807; June 28. Class 26.
International Silver Company, Meriden, Conn. Silverplated flat-ware and hollow-ware. Serial No. 398,356; June 28. Class 28.
Ivoroid Mixed Paint Company, Newark, N. J. Barn and roof paint. Serial No. 405,162; June 28. Class 16.
Jacoby-Bender, Inc., New York, N. Y. Wrist watch clasps and buckles. Serial No. 405,443; June 28. Class 28.
James, Karl D., doing business as K. D. James, Algona, Iowa. Ice-cream confection. Serial No. 397,666; June 28. Class 46.
Johns-Manville Corporation, New York, N. Y. Pamphlet. Serial No. 388,192; June 28. Class 38.
Kalart Company, The, New York, N. Y. Photograph cameras and camera attachments. Serial No. 403,624; June 28. Class 26.
Kearney, James R., Corporation, St. Louis, Mo. Electrical line equipment. Serial No. 405,508; June 28. Class 21.
Kenite Laboratory, Inc., New York, N. Y. Pipe joint compounds. Serial No. 400,305; June 28. Class 12.
Knapp-Monarch Company, doing business as Chevron Co., St. Louis, Mo. Electric fans. Serial No. 405,710; June 28. Class 21.
Knoblock, David F., New York, N. Y. Optical viewing device. Serial No. 403,085; June 28. Class 26.
Kofoed, William H., Philadelphia, Pa. Magazine. Serial No. 405,709; June 28. Class 38.
Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Paint, varnish, varnish stain, etc. Serial No. 406,061; June 28. Class 16.
Liebovits, S., & Sons, Inc., New York, N. Y. Negligee shirts. Serial No. 404,177; June 28. Class 39.
Lincoln Electric Company, The, Cleveland, Ohio. Metallic welding electrodes. Serial No. 404,505; June 28. Class 14.
Loeser Laboratory, Incorporated, New York, N. Y. Aqueous vehicle for use as a general tonic. Serial No. 405,160; June 28. Class 6.
Lola Beverages, Inc., Thompsonville, Conn. Beverages, and syrups, extracts, and flavors used for making the same. Serial No. 405,864; June 28. Class 45.
Loomtogs, Inc., New York, N. Y. Women's and misses' two-piece playsuits. Serial No. 405,904; June 28. Class 39.
Mallory, P. R., & Co., Inc., Indianapolis, Ind. Electric switches, switches. Serial No. 405,654; June 28. Class 21.
Marcus, Myra B. and H. S., New York, N. Y. Perfumes, face powders, body powders, etc. Serial No. 402,303; June 28. Class 6.
Mar-Vin Dispenser and Products Co., New York, N. Y. Dish washing compounds and dish washing powders. Serial No. 401,533; June 28. Class 4.
McCormick-Armstrong Press Company, The, Wichita, Kans. Magazine. Serial No. 401,116; June 28. Class 38.
McGaw, Kenneth A., Chicago, Ill. Cakes. Serial No. 404,766; June 28. Class 46.
McGraw Electric Company, Chicago, Ill. Electrical appliances. Serial No. 380,563; June 28. Class 21.
Melncke, A. M., & Son, Inc., Chicago, Ill. Powdered material for use in coating, filling, or treating printing paper. Serial Nos. 356,768–9; June 28. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Disinfectant, germicide, and antiseptic. Serial No. 404,948; June 28. Class 6.
Meyercord Company, The, Chicago, Ill. Decalcomanias. Serial No. 402,782; June 28. Class 38.
Monarch Wine Company, Inc., New York, N. Y. Wines. Serial No. 403,779; June 28. Class 47.
Moon, James E., New York, N. Y. Gunsight blackening candles, bullet lubricants, colloidal graphited oil. Serial No. 404,446; June 28. Class 15.
Montebello Distillers, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. Serial No. 404,903; June 28. Class 49.
Moramarco, Antonio, doing business as California Mission Vintage Co., Los Angeles, Calif. Wines. Serial No. 398,925; June 28. Class 47.
Morgan, Marguerite J., doing business as New Health Laboratories, East Aurora, N. Y. Laxative. Serial No. 402,947; June 28. Class 6.
National Institute of Nutrition, Los Angeles, Calif. Calcium phosphate product. Serial No. 405,176; June 28. Class 6.
National Institute of Nutrition, Los Angeles, Calif. Nasal inhalant. Serial No. 405,177; June 28. Class 6.
National Oil Products Company, Harrison, N. J. Cod liver oil. Serial No. 402,690; June 28. Class 6.
Natural Set Up Sales Corporation, St. Louis, Mo. Soft drinks and extracts and concentrated fruit syrups used in the preparation of said soft drinks. Serial No. 406,464; June 28. Class 45.
New Health Laboratories. (See Morgan, Marguerite J.)
New Era Canning Company, New Era, Mich. Canned fruits and canned vegetables. Serial No. 400,123; June 28. Class 46.
Newport Mineral Water Company, Inc., Newport, Ky. Beverage and syrup and extract for making the same. Serial No. 404,940; June 28. Class 45.
Oil Well Supply Company, Dallas, Tex. Water tubes. Serial No. 405,460; June 28. Class 23.
Onsrud Machine Works, Inc., Chicago, Ill. Routing machines, bending machines, and gluing machines. Serial No. 404,261; June 28. Class 23.
Paragon Oil Company, Inc., Brooklyn, N. Y. Cutting oils and lubricating oils and greases. Serial No. 405,128; June 28. Class 15.
Paransky, David, doing business as Star Bedding Company, Pittsburgh, Pa. Mattresses. Serial No. 406,481; June 28. Class 32.
Parfums Corday, Inc., New York, N. Y. Perfumes. Serial No. 405,221; June 28. Class 6.
Paulian Drug & Chemical Company, St. Louis, Mo. Astringents, astringent cerates, beauty creams, etc. Serial No. 389,264; June 28. Class 6.
Pepperell Manufacturing Company, Boston, Mass. Sheets and pillowcases. Serial No. 395,538; June 28. Class 42.
Perez, Carlos S., Caracas, Venezuela. Medicinal preparations for treating colds. Serial No. 405,820; June 28. Class 6.
Phillips, A., Service, Newkirk, Okla. Motor lubricating oil. Serial No. 405,264; June 28. Class 15.
Pollack, Max, & Company, Inc., New York, N. Y. Thread. Serial No. 402,314; June 28. Class 43.
Polyfoto Corporation, Bridgeport, Conn. Photographs. Serial No. 404,504; June 28. Class 38.
Prim Corporation, St. Louis, Mo. Liquid cleaner. Serial No. 404,543; June 28. Class 4.
Proctor, Maurice E., doing business as Proctors Products Co., New Haven, Conn. Dental cream. Serial No. 404,867; June 28. Class 6.
Quality Brands, Inc., San Francisco, Calif. Wines. Serial No. 404,374; June 28. Class 47.
Reuge, Al., et Cie., Ste. Croix, Switzerland. Skis, sideirons, toe irons for skis, etc. Serial No. 397,770; June 28. Class 22.
Rosenfeld Chain Mfg. Co., New York, N. Y. Chains and other jewelry. Serial No. 404,546; June 28. Class 28.
Ruth, Joseph P., Denver, Colo. Mine locomotives. Serial No. 404,584; June 28. Class 23.
Salesmen's League of America, Inc., New York, N. Y. Periodical publication. Serial No. 395,629; June 28. Class 38.
Safety Vulcanizer Company, Chicago, Ill. Tire repair vulcanizers, tube repair vulcanizers, etc. Serial No. 398,593; June 28. Class 23.
St. Clair Foods Company, McAllen, Tex. Canned foods. Serial No. 401,795; June 28. Class 46.
Schnefel Bros. Corporation, Newark, N. J. Base coat nail polish. Serial No. 404,868; June 28. Class 6.
Schneider, Roy E., doing business as Alder Products Co., Kansas City, Mo. Specialised lubricating and penetrating oil. Serial No. 385,154; June 28. Class 15.



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Security Engineering Co. Inc., Whittier, Calif. Oil and gas well drilling, operating, and cementing equipment. Serial No. 405,570; June 28. Class 13.
Sears, Roebuck and Co., Chicago, Ill. Dresses. Serial No. 405,412; June 28. Class 39.
Showmen's Trade Review, Inc., New York, N. Y. Annual trade publication. Serial No. 403,925; June 28. Class 38.
Silsle, Earl Co., Anaheim, Calif. Orange butter, orange marmalade, citrus fruit juices, etc. Serial No. 399,810; June 28. Class 46.
Simplicity Pattern Company, New York, N. Y. Fashion periodicals. Serial No. 404,496; June 28. Class 38.
Smead Manufacturing Company, The, Hastings, Minn. Filing pockets, expanding wallets, file holders, etc. Serial No. 403,473; June 28. Class 37.
Spatola, Joseph, Sr., doing business as Spatola Importing Company, Philadelphia, Pa. Scotch whiskey. Serial No. 405,372; June 28. Class 49.
Standard Oil Company of New Jersey, Wilmington, Del. Lubricating oils and lubricating greases. Serial No. 401,002; June 28. Class 15.
Standard Wall Covering Company, Inc., Philadelphia, Pa. Wall panels. Serial Nos. 405,572–4; June 28. Class 12.
Star Bedding Company. (See Paransky, David.)
Star-Maid Dresses Inc., New York, N. Y. Dresses, coats, jackets, etc. Serial No. 403,188; June 28. Class 39.
Steinberger, L., & Sons, Inc., Jersey City, N. J. Beverages and syrups and extracts for making the same. Serial No. 399,738; June 28. Class 45.
Stetson China Company, Inc., Chicago, Ill. China tableware. Serial No. 404,921; June 28. Class 30.
Stockard, Joseph F., Lee's Summit, Mo. Medicinal composition for the treatment of poultry. Serial No. 404,667; June 28. Class 6.
Tank Seal Products Company, Tulsa, Okla. Plastic tank cement, plastic tank bottom cement, etc. Serial No. 405,139; June 28. Class 12.
Tebault, Hugh, & Company, Inc., New York, N. Y. Breakfast cereals. Serial No. 406,106; June 28. Class 46.
Titanium Carbide Corporation, New York, N. Y. Cutting tools, and parts of such tools. Serial No. 404,273; June 28. Class 23.
Train & McIntyre, Limited, Glasgow, Scotland. Scotch whisky. Serial No. 403,927; June 28. Class 49.
Tremont Mills Corporation, New York, N. Y. Ribbon and cord. Serial No. 403,151; June 28. Class 42.
Tribike Company. (See Hughes, Edward J.)
Triboro Knitting Mills, Inc., New York, N. Y. Sweaters. Serial No. 391,830; June 28. Class 39.
Tritt, Olga, New York, N. Y. Jewelry. Serial No. 402,747; June 28. Class 28.
Tumbler, Joseph A., doing business as J. A. Tumbler Laboratories, Baltimore, Md. Preparation for degreasing and cleaning cement floors, auto chassis, etc. Serial No. 403,468; June 28. Class 4.
Turco Products, Inc., Los Angeles, Calif. Glass cleaning preparations. Serial No. 404,858; June 28. Class 4.
Turco Products, Inc., Los Angeles, Calif. Cleaning compounds. Serial No. 406,357; June 28. Class 4.
Union Bottling Company, Memphis, Tenn. Soft drinks. Serial No. 406,577; June 28. Class 45.
United Feature Syndicate, Inc., New York, N. Y. Magazine. Serial No. 404,275; June 28. Class 38.
U. S. Knitwear Co., Baltimore, Md. Knitted sweaters and bathing suits. Serial No. 405,375; June 28. Class 39.
United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. Serial No. 403,743; June 28. Class 22.
Utility Trailer Manufacturing Company, Los Angeles, Calif. Vehicle bodies. Serial No. 404,876; June 28. Class 19.
Vaghelatos, James, Toledo, Ohio. Beauty treatment medicated preparations. Serial No. 402,281; June 28. Class 6.
Van Allen, John D., & Son, Inc., Clinton, Iowa. Shirts, pajamas, socks, etc. Serial No. 405,789; June 28. Class 39.
Vim Laboratories, Chicago, Ill. Beverages. Serial No. 404,969; June 28. Class 45.
Wagner-Feller & Co., New York, N. Y. Fur pelts. Serial No. 404,553; June 28. Class 1.
Walker, Tom, Inc., Pittsburgh and Glenfield, Pa. Whiskey. Serial No. 404,142; June 28. Class 49.
Watkins, William B., Evanston, Ill. Cooking hollowware. Serial No. 405,231; June 28. Class 13.
Weingarten, Miriam, doing business as Milton Weingarten Co., San Francisco, Calif. Jewelry cleaner. Serial No. 405,948; June 28. Class 4.
Wellesley Modes, Inc., New York, N. Y. Piece goods. Serial No. 404,276; June 28. Class 42.
West Point Manufacturing Company, Langdale, Ala. Towels. Serial No. 405,950; June 28. Class 42.
Wheeler Insulated Wire Co., The, Bridgeport, Conn. Electric wire. Serial No. 405,043; June 28. Class 21.
Whirlfio Corporation, The, Pittsburgh, Pa. Apparatus for straining or filtering fluids, and parts thereof. Serial No. 405,867; June 28. Class 31.
White, H. Kirk, and Company, Oconomowoc, Wis. Deodorant tablets. Serial No. 403,884; June 28. Class 6.
White Laboratories, Inc., Newark, N. J. Chewing gum. Serial No. 403,155; June 28. Class 6.
Willco Mfg. Company. (See Grant, William G.)
Williams, Frances R., doing business as Mrs. Winthrop Williams, Kansas City, Mo. Series of cartoons. Serial No. 403,026; June 28. Class 38.
Witkowski, Joseph S., doing business as Witt Packing Co., Chicago, Ill. Prepared dog food. Serial No. 403,245; June 28. Class 46.
Witt Packing Co. (See Witkowski, Joseph S.)
Wolf, Jacques, & Co., Clifton, N. J. Catalyst. Serial No. 404,150; June 28. Class 6.
Wolfe & Lang, Inc., New York, N. Y. Panties and girdles. Serial No. 406,006; June 28. Class 39.
Worthington, Geo., Company, The, Cleveland, Ohio. Composition roofing, sheet metal roofing, etc. Serial No. 391,832; June 28. Class 12.
Worthington, Geo., Company, The, Cleveland, Ohio. Carving knives, kitchen knives, pocket knives, etc. Serial No. 391,835; June 28. Class 23.
Worthington, Geo., Company, The, Cleveland, Ohio. Rubber hose, leather belting, canvas belting, etc. Serial No. 391,840; June 28. Class 35.
Wright-DeCoster, Inc., St. Paul, Minn. Magnets. Serial No. 401,463; June 28. Class 21.
Zephyr Company, Minneapolis, Minn. Electric vacuum cleaners. Serial No. 394,072; June 28. Class 21.

# LIST OF REGISTRANTS OF TRADE-MARKS

Aaron, Harry, Brooklyn, N. Y. Brilliantine, petroleum jelly, depilatory wax, etc. 358,125; June 28; Serial No. 402,242; published Apr. 5, 1938. Class 6.
Abbott Laboratories, North Chicago, Ill. Anodyne and sclerosing solution. 358,110; June 28; Serial No. 401,967; published Apr. 5, 1938. Class 6.
Abbott Laboratories, North Chicago, Ill. Medicinal jelly. 358,109; June 28; Serial No. 401,966; published Apr. 5, 1938. Class 6.
Aga Stove Company, Elizabeth, N. J. Heating apparatus. 358,086; June 28; Serial No. 401,128; published Apr. 19, 1938. Class 34.
Allied Earthen Products Company. (See Larkin, James F.)
Allied Manufacturers, Inc., Ypsilanti, Mich. Book racks. 358,167; June 28; Serial No. 403,158; published Apr. 19, 1938. Class 32.
American Aniline Products, Inc., New York, N. Y. Chemicals. 358,122; June 28; Serial No. 402,167; published Apr. 12, 1938. Class 6.
American Aniline Products, Inc., New York, N. Y. Dyes. 358,123; June 28; Serial No. 402,168; published Apr. 5, 1938. Class 6.
American Merchandise Company, Inc., New York, N. Y. Razors and razor blades. 358,137; June 28; Serial No. 402,359; published Apr. 19, 1938. Class 23.
American Zeolite Corporation. (See Staten Island Chemical Corporation, assignor.)
Aronson-Caplin Company, Inc., New York, N. Y. Piece goods. 358,207; June 28. Class 42.
Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. 358,061; June 28; Serial No. 398,603; published Jan. 4, 1938. Class 6.
Astro Chemical Company, San Antonio, Tex. Anti-freeze compound. 358,114; June 28; Serial No. 402,054; published Apr. 5, 1938. Class 6.
Atlas Powder Company, Wilmington, Del. Ready mixed paints and enamels, etc. 358,179; June 28; Serial No. 403,354; published Apr. 19, 1938. Class 16.
Autosmoker Corporation of America, New York, N. Y. Cigarette vending or dispensing machines. 358,132; June 28; Serial No. 402,325; published Apr. 19, 1938. Class 23.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 358,215; June 28. Class 17.
Ayerst, McKenna & Harrison, Limited, Montreal, Quebec, Canada. Medicinal ointment. 358,174; June 28; Serial No. 403,296; published Apr. 19, 1938. Class 6.
Bellcamp Stores, Inc. (See Kaufman, Benjamin H.)
Bell's Homeopathic Pharmacy. (See Hoffmann, Otto J.)
Berg Sales Co., Chicago, Ill. Razor blades. 358,143; June 28; Serial No. 402,404; published Apr. 19, 1938. Class 23.
B. G. H. Automotive Manufacturing Co., Elgin, Ill. Clutch plates and replacement parts of clutch plates. 358,026; June 28; Serial No. 385,129; published Apr. 19, 1938. Class 23.

Blanchard, Alva G., doing business as Inferno Company, Shreveport, La. Boiler fittings. 358,080; June 28; Serial No. 400,944; published Apr. 19, 1938. Class 13.

Borden Company, The, New York, N. Y. Buttermilk. 358,209; June 28. Class 46.

Borg-Warner Corporation, Detroit, Mich. Glass refrigerator dishes and jars. 358,097; June 28; Serial No. 401,646; published Apr. 19, 1938. Class 33.

Breyer, Joseph, doing business as Feroyse Company, New York, N. Y. General health tonic. 358,151; June 28; Serial No. 402,709; published Apr. 5, 1938. Class 6.

Bry-A-Lene Company. (See Bryant, Maud E.)

Bryant, Maud E., doing business as Bry-A-Lene Company, San Francisco, Calif. Dandruff remover, etc. 358,051; June 28; Serial No. 396,488; published Apr. 5, 1938. Class 6.

Buck, Everett W., Jr., doing business as Buck & Buck Company, Tulsa, Okla. Preparation for relief of athlete's foot. 358,141; June 28; Serial No. 402,411; published Apr. 5, 1938. Class 6.

Bühler, Carl Konstanz, Germany. Medicine. 358,062; June 28; Serial No. 398,705; published Apr. 19, 1938. Class 6.

Burrows Company, The, Chicago, Ill. Syphon evacuators. 358,195; June 28; Serial No. 403,578; published Apr. 19, 1938. Class 44.

Callite Products Co. (See Eisler Electric Corporation.)

Cameron Machine Company, Brooklyn, to Cameron Machine Company, New York, N. Y. Machines and parts thereof. 123,096; renewed Oct. 15, 1938.

Castilian Products Corp., Los Angeles, Calif. Shaving soap. 358,037; June 28; Serial No. 392,196; published Apr. 19, 1938. Class 4.

Celanese Corporation of America, New York, N. Y. Piece goods. 358,175; June 28; Serial No. 403,305; published Apr. 19, 1938. Class 42.

Cell-O-Flex Co. (See Outon, William M.)

Champion Paper and Fibre Company, The, Canton, N. C. Tailoel. 358,133; June 28; Serial No. 402,328; published Apr. 5, 1938. Class 6.

Chappel Bros., Inc., Rockford, Ill. Food supplement. 358,067; June 28; Serial No. 399,397; published Apr. 19, 1938. Class 46.

Clipper Belt Lacer Company, Grand Rapids, Mich. Belt lacer pins. 358,129; June 28; Serial No. 402,250; published Apr. 19, 1938. Class 13.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. 358,158; June 28; Serial No. 402,892; published Apr. 19, 1938. Class 42.

Collins, Joseph A., doing business as Collins the Chemist, Yonkers, N. Y. Preparation for the treatment of coughs, colds, etc. 358,030; June 28; Serial No. 387,860; published Apr. 12, 1938. Class 6.

Compania Agricola Carabaylio, Lima, Peru. Rum. 358,136; June 28; Serial No. 402,358; published Apr. 19, 1938. Class 49.

Conewango Refining Company, The, Warren, Pa. Composition for treatment of coal. 358,089; June 28; Serial No. 401,471; published Apr. 19, 1938. Class 6.

Consumers Utilities Company, Winchester, Va. Bottled gas. 358,147; June 28; Serial No. 402,557; published Apr. 19, 1938. Class 6.

Crescent Dental Mfg. Co., Chicago, Ill. Dental amalgam. 358,196; June 28; Serial No. 403,583; published Apr. 19, 1938. Class 44.

Cress Packing Company. (See Hammond, G. H., Company, The, assignor.)

Dale Luggage, Inc., New York, N. Y. Trunks, valises, suitcases, etc. 358,222; June 28. Class 3.

Darwin & Milner, Inc., New York, N. Y., to Darwin & Milner, Cleveland, Ohio. Bar-steel and steel castings. 123,574; renewed Nov. 19, 1938.

De Vees, Springfield, Ill. Fruit juices and candies. 358,034; June 28; Serial No. 390,051; published Apr. 19, 1938. Class 46.

Davis, Lee, doing business as Davis Manufacturing Co., Tampa, Fla. Pomade for treating wavy hair. 358,201; June 28; Serial No. 403,910; published Apr. 19, 1938. Class 6.

De Botelho, Martin, New York, N. Y. Toilet water and perfume. 358,100; June 28; Serial No. 401,771; published Apr. 5, 1938. Class 6.

De Kousnetzoff, Nicolas, Paris, France. Pharmaceutical preparation. 358,076; June 28; Serial No. 400,634; published Apr. 19, 1938. Class 6.

Drakenfeld, B. F., & Co. Inc., New York, N. Y. Paint colors and dry enamels. 358,160; June 28; Serial No. 403,077; published Apr. 19, 1938. Class 16.

Duhaime, Aime L., doing business as A. L. Duhaime Soup Co., Bedford, N. H. Canned soups. 358,094; June 28; Serial No. 401,106; published Apr. 19, 1938. Class 46.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Nitrate of ammonia compounds. 358,105; June 28; Serial No. 401,852; published Apr. 5, 1938. Class 6.

Durkee-Mower, Inc., Lynn, Mass. Prepared cocoa. 358,168; June 28; Serial No. 403,172; published Apr. 19, 1938. Class 46.

Eisler Electric Corporation, also doing business as Callite Products Co., Union City, N. J., and Wilmington, Del. Electrical contacts. 358,035; June 28; Serial No. 390,641; published Apr. 19, 1938. Class 21.

Electro-Inhaler Co., Inc., The, Washington, D. C. Preparations for treatment of colds, asthma, hay fever, etc. 358,150; June 28; Serial No. 402,702; published Apr. 12, 1938. Class 6.

Elson, Nathan, & Co. Inc., Chicago, Ill. Cigars. 358,221; June 28. Class 17.

Emberg Manufacturing Company, Warsaw, N. Y. Truck lanterns burning liquid fuel. 358,098; June 28; Serial No. 401,655; published Apr. 19, 1938. Class 34.

Empire Electric Brake Corporation, Dover, Del. Brakes and parts thereof. 358,161; June 28; Serial No. 403,060; published Apr. 19, 1938. Class 23.

English Needle & Fishing Tackle Company Limited, The. (See Milward, Henry, & Sons, assignor.)

Equalife Laboratories, Los Angeles, Calif. Reconditioner for hair and scalp. 358,111; June 28; Serial No. 401,994; published Apr. 5, 1938. Class 6.

Eustace Company, The. (See Logotheton, Cleanthe E.)

Factor, Max, & Co. Inc., Los Angeles, Calif. Chemical solution. 358,009; June 28; Serial No. 401,729; published Apr. 5, 1938. Class 6.

Feroyse Company. (See Breyer, Joseph.)

Field, Edwin, & Sons, Limited, Skelmanthorpe, England. Floor rugs and mats. 358,082–3; June 28; Serial Nos. 401,054–5; published Apr. 19, 1938. Class 42.

Fine Art Lace Company, Philadelphia, to Fine Art Lace Company, Tacony, Philadelphia, Pa. Lace goods and lace curtains. 122,093; renewed Sept. 10, 1938.

Fir-Tex Insulating Board Company, St. Helens, Oreg. Sheathing board, insulating material, and wall covering. 358,205; June 28.

Fladung, Andrew E., doing business as Fladung Bottling Works, Reading, Ohio. Soda beverage. 358,170; June 28; Serial No. 403,202; published Apr. 19, 1938. Class 45.

Fouke Fur Company, St. Louis, Mo. Fur skins, hides, and pelts. 358,152; June 28; Serial No. 402,722; published Apr. 19, 1938. Class 1.

4-5-6 Company, Highland, Ill. Medicated mineral mix for stock and poultry feed and dog food. 358,071; June 28; Serial No. 399,886; published Apr. 5, 1938. Class 6.

Frazier, Frederick A., Berkeley, Calif. Lotion for medicinal uses. 358,149; June 28; Serial No. 402,582; published Apr. 19, 1938. Class 6.

Friendly Laboratories, Shawnee, Okla. Diuretic stimulant. 358,106; June 28; Serial No. 401,931; published Apr. 5, 1938. Class 6.

Fry Products, Incorporated, Detroit, Mich. Covers for furniture, chairs, seats, etc. 358,027; June 28; Serial No. 386,856; published Apr. 19, 1938. Class 32.

Fuge, Henry N. D., Beverly Hills, Calif. Hydrant lawn sprinklers. 358,055; June 28; Serial No. 397,507; published Apr. 19, 1938. Class 23.

Garden City Plating & Mfg. Co., Inc., Chicago, Ill. Glass letter signs. 358,094; June 28; Serial No. 401,607; published Apr. 19, 1938. Class 50.

Geigy Company, Inc., New York, N. Y. Dyestuffs, lakes, and chemical products suitable for dyeing and printing purposes. 358,124; June 28; Serial No. 402,181; published Apr. 12, 1938. Class 6.

Geigy Company, Inc., New York, N. Y. Tanning materials and chemical products suitable for tanning purposes. 358,125; June 28; Serial No. 402,182; published Apr. 12, 1938. Class 6.

General Chemical Company, New York, N. Y. Detergents. 358,025; June 28; Serial No. 384,960; published Jan. 5, 1937. Class 4.

General Dyestuff Corporation, New York, N. Y. Soluble cellulose product. 358,038; June 28; Serial No. 302,488; published Apr. 19, 1938. Class 6.

General Railway Signal Company, Rochester, N. Y. Electrical equipment; and parts thereof. 358,115; June 28; Serial No. 402,061; published Apr. 19, 1938. Class 21.

Globe Roofing Products Co. Inc., Chicago, Ill. Asphalt composition roofing and building papers. 358,220; June 28. Class 12.

Goulard & Olena, Incorporated, New York, N. Y. Tree saver, a preparation to be used to safeguard trees against insects. 358,058; June 28; Serial No. 398,073; published Apr. 19, 1938. Class 6.

Grant, W. T., Company, New York, N. Y. Sanitary napkins. 358,183; June 28; Serial No. 403,411; published Apr. 19, 1938. Class 44.

Green Cross Pharmaceutical Products, Inc., New York, N. Y. Expectorant. 358,138; June 28; Serial No. 402,374; published Apr. 5, 1938. Class 6.

Griffin-Gary Company, Bakersfield, Calif. Nasal spray. 358,154; June 28; Serial No. 402,816; published Apr. 19, 1938. Class 6.

Griswold Manufacturing Company, The, Erie, Pa. Aluminum cooking utensils. 358,144; June 28; Serial No. 402,474; published Apr. 19, 1938. Class 13.

Grubb, Julius C., High Point, N. C. Medicine. 358,070; June 28; Serial No. 399,835; published Apr. 19, 1938. Class 6.

Hackman, Meyer J., doing business as Jock-O-Company, Chicago, Ill. Novelty toy doll. 358,185; June 28; Serial No. 403,460; published Apr. 19, 1938. Class 22.

Haines, James A., doing business as Haines Products Company, Carey, Ohio. Deodorants. 358,198; June 28; Serial No. 403,684; published Apr. 19, 1938. Class 6.

Hammond, G. H., Company, The, assignor, by mesne assignments, to Cress Packing Company, Chicago, Ill. Canned pineapples, apricots, plums, etc., and canned salmon. 122,470; renewed Aug. 20, 1938.



Harpel, J. J., doing business as Zefer Manufacturing Company, Denver, Colo. Cleaner or solvent. 358,085; June 28; Serial No. 401,113; published Apr. 19, 1938. Class 4.

Harris, Robert, Los Angeles, Calif. Preparation for the treatment of headaches and neuralgia. 358,116; June 28; Serial No. 402,063; published Apr. 5, 1938. Class 6.

Hasselbusch, Aaron L., doing business as Hypotox Laboratories, College Hill, Cincinnati, Ohio. Preparation for athlete's foot, poison ivy, and eczema. 358,130; June 28; Serial No. 402,260; published Apr. 12, 1938. Class 6.

Hausheer, W. E., doing business as The Tecor Co., Chicago, Ill. Lipsticks. 358,095; June 28; Serial No. 401,610; published Apr. 5, 1938. Class 6.

Haynesville Pharmacy, Haynesville, La. Pharmaceutical preparation. 358,217; June 28. Class 6.

Hercules Powder Company, Wilmington, Del. Polybasic acid intermediate for making synthetic resins. 358,056; June 28; Serial No. 397,537; published Feb. 22, 1938. Class 6.

Herman, Max, doing business as Westex Blade Company and Herman's Supply House, Fort Worth, Tex. Razor blades. 358,171; June 28; Serial No. 403,208; published Apr. 19, 1938. Class 23.

Hill-Independent Mfg. Co., Philadelphia, Pa. Hand stamps. 358,191; June 28; Serial No. 403,499; published Apr. 19, 1938. Class 37.

Hill-Independent Mfg. Co., Philadelphia, Pa. Hand stamps. 358,192; June 28; Serial No. 403,505; published Apr. 19, 1938. Class 37.

Hoffmann, Otto J., doing business as Bell's Homeopathic Pharmacy, New York, N. Y. Medicinal tonic. 358,131; June 28; Serial No. 402,261; published Apr. 19, 1938. Class 6.

Hooper, Wm. E., & Sons Company, Baltimore, Md. Fire resisting paint. 358,107; June 28; Serial No. 401,933; published Apr. 5, 1938. Class 16.

Horn, A. C., Company, Long Island City, N. Y. Varnish sealer for plywood. 358,090; June 28; Serial No. 401,488; published Apr. 19, 1938. Class 16.

Howlett & Hockmeyer Co. Inc., New York, N. Y. Corduroys. 358,208; June 28. Class 42.

Hudnut, Richard, Inc., New York, N. Y. Toilet kits. 358,063; June 28; Serial No. 398,726; published Feb. 15, 1938. Class 50.

Hypotox Laboratories. (See Hasselbusch, Aaron L.)

Ihagee Kamerawerk Steenbergen & Company, Dresden, Germany. Camera and photographic lenses, and lens mounts. 358,043; June 28; Serial No. 394,085; published Apr. 19, 1938. Class 26.

Improved Liquid Glues Co. Ltd., The, London, England. Liquid glue. 122,323; renewed July 23, 1938.

Inferno Company. (See Blanchard, Alva G.)

Ingraham, E., Company, The, Bristol, Conn. Clocks. 122,483; renewed Aug. 20, 1938.

Ingraham, E., Company, The, Bristol, Conn. Clocks. 123,041; renewed Oct. 8, 1938.

Ingraham, E., Company, The, Bristol, Conn. Clocks. 123,447; renewed Nov. 12, 1938.

Irwin Auger Bit Company, The, Wilmington, Ohio. Auger bits. 358,155; June 28; Serial No. 402,864; published Apr. 19, 1938. Class 23.

Jock-O-Company. (See Hackman, Meyer J.)

Johnson, Joe F., doing business as Joe F. Johnson Popcorn Co., Columbus, Ohio. Bulk and packaged popcorn. 358,060; June 28; Serial No. 398,283; published Apr. 19, 1938. Class 46.

Kant-Rust Manufacturing Company, Holdenville, Okla. Preparation for preventing rust in radiators, etc. 358,031; June 28; Serial No. 388,680; published Apr. 12, 1938. Class 6.

Kastner, Emil J., Indianapolis, Ind. After shaving lotions, face powders, cleansing creams, etc. 358,068; June 28; Serial No. 399,563; published Apr. 5, 1938. Class 6.

Kaufman, Benjamin H., to Bellcamp Stores, Inc., New York, N. Y., successor. Headwear. 123,605; renewed Nov. 19, 1938.

Kelley, Walter T., Co., The, Paducah, Ky. Bees. 358,126; June 28; Serial No. 402,225; published Apr. 19, 1938. Class 1.

Keys, James J., New York, N. Y. Arch-supports. 122,714; renewed Sept. 10, 1938.

Killian Manufacturing Company, The, Akron, Ohio. Prophylactic rubber articles. 358,078; June 28; Serial No. 400,842; published Apr. 19, 1938. Class 44.

Kimball, C. M., Co., Everett, Mass. Ammonia. 358,172; June 28; Serial No. 403,211; published Apr. 19, 1938. Class 6.

Kleinhans, Edgar, New York, N. Y. Potatoes. 358,204; June 28. Class 46.

Koken, Alice W., executrix of the estate of W. F. Koken, deceased, St. Louis, Mo. Cosmetics and beauty shop supplies. 358,117; June 28; Serial No. 402,066; published Apr. 5, 1938. Class 6.

Lanman & Kemp, assignor to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Pectoral compound. 123,611; renewed Nov. 19, 1938.

Larkin, James F., doing business as Allied Earthen Products Company, Oklahoma City, Okla. Drilling mud and mud weights. 358,218; June 28. Class 12.

Lentheric, Incorporated, assignor to Pulp Products Company, Incorporated, New York, N. Y. Women's handbags. 358,057; June 28; Serial No. 397,714; published Nov. 23, 1937. Class 3.

Lew-Pay Mfg. Co., Springfield, Mass. Cases and containers for hearing-aid batteries. 358,112; June 28; Serial No. 402,008; published Apr. 19, 1938. Class 44.

Lincoln Park Natural Springs Corporation, Paterson, N. J. Mineral water. 358,113; June 28; Serial No. 402,009; published Apr. 19, 1938. Class 45.

Linde Air Products Company, The, New York, N. Y. Welding compositions. 358,102; June 28; Serial No. 401,825; published Apr. 5, 1938. Class 6.

Liqui-Lax Co., Baltimore, Md. Medicinal preparation. 358,127; June 28; Serial No. 402,229; published Apr. 5, 1938. Class 6.

Logeais, Jacques, Issy-les-Moulineaux, France. Liquid preparation containing iodine. 358,199; June 28; Serial No. 403,775; published Apr. 19, 1938. Class 6.

Logotheton, Cleanthe E., doing business as The Eustace Company, New York, N. Y. Baby and cleansing cream. 358,121; June 28; Serial No. 402,130; published Apr. 12, 1938. Class 6.

Lovely Lady, Inc., Chicago, Ill. Face powder, cream, astringent, etc. 358,044; June 28; Serial No. 394,239; published Jan. 25, 1938. Class 6.

Lum, Carleton T., Inc., Chatham, N. J. Gardenia plants, rooted gardenia cuttings, etc. 358,101; June 28; Serial No. 401,783; published Apr. 19, 1938. Class 1.

Lunts, Charles L., doing business as Secret Products Company, Los Angeles, Calif. Antiseptic and deodorant compound. 358,145; June 28; Serial No. 402,481; published Apr. 12, 1938. Class 6.

Macy, R. H., & Co., Inc., New York, N. Y. Olive oil. 358,053; June 28; Serial No. 397,262; published Apr. 19, 1938. Class 46.

Mally, James W., doing business as James W. Mally Co., Cleveland, Ohio. Gummed paper labels, stickers, stamps, and ornamental seals. 358,054; June 28; Serial No. 397,410; published Apr. 19, 1938. Class 37.

Manning, Bowman & Co., Meriden, Conn. Electric waffle irons. 358,162; June 28; Serial No. 403,089; published Apr. 19, 1938. Class 21.

Markel Electric Products, Inc., Buffalo, N. Y. Electric lighting fixtures. 358,223; June 28. Class 21.

Martin-Senour Co., The, Cleveland, Ohio. Paints, paint enamels, japans, etc. 358,142; June 28; Serial No. 402,429; published Apr. 19, 1938. Class 16.

Mau Mary, Fernand, doing business as Mau Mary Laboratories, New York, N. Y. Analgesic. 358,029; June 28; Serial No. 387,793; published Apr. 5, 1938. Class 6.

May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Denver, Colo.; St. Louis, Mo.; and Los Angeles, Calif. Sheets, pillow cases, and bedding. 358,193; June 28; Serial No. 403,553; published Apr. 19, 1938. Class 42.

McCoy's Products, Inc., New York, N. Y. Cod liver oil and tablets containing extract of cod liver oil. 358,074; June 28; Serial No. 400,424; published Apr. 19, 1938. Class 6.

Medical Products Co., also doing business as Mother Marie's Medicine Co., Los Angeles, Calif. Tablets for the relief of periodic pain, muscular aches and pains, etc. 358,139; June 28; Serial No. 402,382; published Apr. 5, 1938. Class 6.

Mennen Company, The, Newark, N. J. Toilet and talcum powders, etc. 358,165; June 28; Serial No. 403,139; published Apr. 19, 1938. Class 6.

Mennen, Gerhard Chemical Co., Newark, N. J., now by change of name The Mennen Company. Soaps, shaving-cream. 123,623; renewed Nov. 19, 1938.

Meldol, Incorporated, New York, N. Y. Composition for external application for effecting reformation of fleshy portions of the human body. 358,203; June 28. Class 6.

Meritas Mills, North Highlands, near Columbus, Ga., assignor, by mesne assignments, to Standard Coated Products Corporation, New York, N. Y. Cotton piece goods. 121,801; renewed May 28, 1938.

Metallising Engineering Company, Inc., New York, N. Y. Metal rods and wire for metal spraying. 358,092; June 28; Serial No. 401,535; published Apr. 19, 1938. Class 14.

Milward, Henry, & Sons, Redditch, assignor to The English Needle & Fishing Tackle Company Limited, Studley, England. Needles. 15,731; re-renewed July 31, 1938.

Mitchell, Richard D., doing business as Mitchell Syrup & Preserving Co., Detroit, Mich. Preserved fruits, preserved berries, and preserved tomatoes. 358,066; June 28; Serial No. 399,066; published Apr. 12, 1938. Class 46.

Mother Marie's Medicine Co. (See Medical Products Co.)

Mot-O-Rize Co., Inc., Chicago, Ill. Moth repellant preparation. 358,045–6; June 28; Serial Nos. 394,242–3; published Mar. 8, 1938. Class 6.

Muhs, Henry, Company, The, Passaic, N. J. Hams. 358,103; June 28; Serial No. 401,834; published Apr. 19, 1938. Class 46.

Mutual Orange Distributors, Redlands, Calif. Fresh citrus fruit and canned orange juice for food purposes. 358,048; June 28; Serial No. 394,852; published Jan. 4, 1938. Class 46.

Nassour Bros. Inc. Ltd., Los Angeles, Calif. After shave powder and lotion, shampoos, and colognes. 358,049; June 28; Serial No. 395,076; published Jan. 18, 1938. Class 6.

National Aniline & Chemical Company, Inc., New York, N. Y. Preparation used in tanning. 358,118; June 28; Serial No. 402,068; published Apr. 12, 1938. Class 6.
National Fabrics Corporation, New York, N. Y. Piece goods. 358,077; June 28; Serial No. 400,651; published Apr. 19, 1938. Class 42.
National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box lids. 358,202; June 28; Serial No. 404,006; published Apr. 19, 1938. Class 14.
Natomas Fruit Company, Exeter, Calif. Fresh fruits. 358,176; June 28; Serial No. 403,321; published Apr. 19, 1938. Class 46.
Nellie-Lou Corporation, The, Norwalk, Conn. Cleaning paste. 358,156; June 28; Serial No. 402,865; published Apr. 19, 1938. Class 4.
New Era Canning Company, New Era, Mich. Canned fruits and canned vegetables. 358,216; June 28. Class 46.
Newport Rolling Mill Company, The, assignor to The Newport Rolling Mill Company, Newport, Ky. Corrugated metal sheets and plain metal sheets. 123,475; renewed Nov. 12, 1938.
New York Evening Journal, Inc., New York, N. Y. Newspaper section. 358,213; June 28. Class 38.
Outon, William M., doing business as Cell-O-Flex Co., Chicago, Ill. Sizing and dressing fluid. 358,153; June 28; Serial No. 402,738; published Apr. 19, 1938. Class 6.
Owen Canning Company, Owen, Wis. Canned peas. 121,727–8; renewed May 21, 1938.
Palmer, Gene, Incorporated, Los Angeles, Calif. Tissue cream. 358,042; June 28; Serial No. 393,546; published Jan. 25, 1938. Class 6.
Parfums Chevalier Garde, Inc., New York, N. Y. Face powder compacts, rouge compacts, and combinations thereof. 358,108; June 28; Serial No. 401,943; published Apr. 19, 1938. Class 6.
Parke, Davis & Company, Detroit, Mich. Preparation containing vitamin B. 358,039–40; June 28; Serial Nos. 392,889–90; published Apr. 12, 1938. Class 6.
Peoples' Outfitting Company, Detroit, Mich. Living room, dining room, and bedroom furniture, chairs, tables, etc. 358,073; June 28; Serial No. 400,248; published Mar. 22, 1938. Class 32.
Peter, William, Brewing Corp., The, Union City, N. J. Beer. 358,200; June 28; Serial No. 403,781; published Apr. 19, 1938. Class 48.
Phosphate Mining Company, The, New York, N. Y. Water softener and bath salts. 358,166; June 28; Serial No. 403,147; published Apr. 12, 1938. Class 6.
Polarised Products Corporation, Whitestone, N. Y. Light polarisers. 358,036; June 28; Serial No. 391,709; published Apr. 19, 1938. Class 26.
Pontiac Press Co., The, Pontiac, Mich. Newspaper. 358,052; June 28; Serial No. 396,507; published Jan. 11, 1938. Class 38.
Pratt & Lambert-Inc., Buffalo, N. Y. Varnishes, paint enamels, etc. 358,177; June 28; Serial No. 403,329; published Apr. 19, 1938. Class 16.
Premier Packing Co., San Diego, to Van Camp Sea Food Co. Inc., Terminal Island, Calif., successor. Canned sardines. 121,946; renewed June 11, 1938.
Prentice, G. E., Manufacturing Company, The, Berlin, Conn. Slide-operated fasteners. 358,091; June 28; Serial No. 401,507; published Apr. 19, 1938. Class 13.
Pulp Products Company, Incorporated. (See Lentheric, Incorporated, assignor.)
Pure Food Factory "Hansa", Mamaroneck, N. Y. Liquid vegetable flavoring essences. 123,643; renewed Nov. 19, 1938.
Quinlan, Kathleen Mary, Inc., New York, N. Y. Perfume. 358,134; June 28; Serial No. 402,344; published Apr. 5, 1938. Class 6.
Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston rings and piston ring expanders. 358,088; June 28; Serial No. 401,400; published Apr. 19, 1938. Class 35.
Rare Chemicals, Inc., Nepera Park, N. Y. Preparations having anesthetic qualities. 358,119; June 28; Serial No. 402,101; published Apr. 19, 1938. Class 6.
Renesol Corporation, The, New York, N. Y. Medicinal preparation. 358,197; June 28; Serial No. 403,615; published Apr. 19, 1938. Class 6.
Richmond Hosiery Mills, Rossville, Ga. Hosiery. 123,648; renewed Nov. 19, 1938.
Roberts, Weldon, Rubber Co., Newark, N. J. Elastic supports for typewriter erasers. 358,182; June 28; Serial No. 403,382; published Apr. 19, 1938. Class 37.
Russian Tea Room Restaurant, Inc., New York, N. Y. Gingerale, club soda, and cream soda. 358,178; June 28; Serial No. 403,331; published Apr. 19, 1938. Class 45.
Sandoz Chemical Works, Inc., New York, N. Y. Medicinal preparation. 358,163; June 28; Serial No. 403,093; published Apr. 5, 1938. Class 6.
Scatena Bros. Wine Co., Healdsburg, Calif. Wines. 358,206; June 28. Class 47.
Schiff, Benjamin A., doing business as Underwood Razor Company, Chicago, Ill. Electric dry shavers. 358,219; June 28. Class 23.
Schalk Chemical Company, Los Angeles, Calif. Composition for use as a floor cleaner. 358,087; June 28; Serial No. 401,277; published Apr. 19, 1938. Class 4.
Schroeder Bros., Inc., New York, N. Y. Sherry. 358,214; June 28. Class 47.
Scott, Alice V., Dayton, N. Y. Worm vegetable compound specific syrup and medicine. 358,041; June 28; Serial No. 393,466; published Apr. 5, 1938. Class 6.
Scranton Lace Company, The, Scranton, Pa. Curtains, curtain materials, and lace table covers. 358,186; June 28; Serial No. 403,470; published Apr. 19, 1938. Class 42.
Searle, G. D., & Co., Chicago, Ill. Solution of chloromercurifuran. 358,148; June 28; Serial No. 402,573; published Apr. 5, 1938. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Electrical automobile horns. 358,033; June 28; Serial No. 389,333; published Apr. 19, 1938. Class 21.
Secret Products Company. (See Lunts, Charles I.)
Shulton, Inc., New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. 358,079; June 28; Serial No. 400,935; published Apr. 19, 1938. Class 6.
Smith, Joseph L., doing business as Spring Specialty Co., Maywood, Ill. Muffler repair jackets. 358,224; June 28. Class 23.
Société Chrysa, Fontaines-sur-Saone, France. Chemicals, and pharmaceutical preparations. 358,050; June 28; Serial No. 396,048; published Apr. 19, 1938. Class 6.
Society of Chemical Industry in Basle, Basel, Switzerland. Coal tar colors. 358,187; June 28; Serial No. 403,474; published Apr. 19, 1938. Class 6.
Society of Chemical Industry in Basle, Basel, Switzerland. Chemical products. 358,188; June 28; Serial No. 403,475; published Apr. 19, 1938. Class 6.
Society of Chemical Industry in Basle, Basel, Switzerland. Glues, adhesives, and binding agents. 358,189; June 28; Serial No. 403,476; published Apr. 19, 1938. Class 5.
Society of Chemical Industry in Basle, Basel, Switzerland. Glues, adhesives, and binding agents. 358,190; June 28; Serial No. 403,478; published Apr. 19, 1938. Class 5.
Speare Supply Company, The, Chicago, Ill. Detergents. 358,024; June 28; Serial No. 381,234; published Sept. 7, 1937. Class 4.
Spicer and Company, Glendale, Calif. Preparation for an antigen (parenteral alternative). 358,157; June 28; Serial No. 402,874; published Apr. 5, 1938. Class 6.
Spitz, Samuel, & Sons, Inc., New York, N. Y. Suits, overcoats, coats, etc. 358,065; June 28; Serial No. 399,016; published Jan. 4, 1938. Class 39.
Spring Specialty Co. (See Smith, Joseph L.)
Squibb, E. R., & Sons, New York, N. Y. Analgesic, antirheumatic, and anti-neuralgic preparations. 358,096; June 28; Serial No. 401,621; published Apr. 5, 1938. Class 6.
Standard Coated Products Corporation. (See Meritas Mills, assignor.)
Staten Island Chemical Corporation, Paterson, N. J., and New York, N. Y., assignor, by mesne assignments, to American Zeolite Corporation, New York, N. Y. Chemical compounds. 122,242; renewed July 9, 1938.
Stern & Co., Philadelphia, Pa. Furniture. 358,047; June 28; Serial No. 394,436; published Apr. 5, 1938. Class 32.
Stevens Walden, Incorporated. (See Walden-Worcester, Inc.)
Stoll, Robert, assignor to Robert Stoll, Incorporated, New York, N. Y. Jewelry. 123,500; renewed Nov. 12, 1938.
Strauss, B., M. and J., Ltd., London, England. Wines. 358,120; June 28; Serial No. 402,104; published Apr. 19, 1938. Class 47.
Stroock, S., & Co. Inc., New York, N. Y. Woven cloth. 358,028; June 28; Serial No. 387,296; published Apr. 19, 1938. Class 42.
Sunbeam Laboratories, Los Angeles, Calif. Finger nail preserver and tonic, nail polishes, nail polish remover, etc. 358,032; June 28; Serial No. 388,808; published Apr. 27, 1937. Class 6.
Sunbeam Laboratories, Los Angeles, Calif. Preparation for treating finger nails, nail cream, nail polish, etc. 358,072; June 28; Serial No. 400,071; published Apr. 19, 1938. Class 6.
Tecor Co., The. (See Hausbeer, W. E.)
Terwilliger, Ivan M., Altadena, Calif. Cinematographic pictures, photographic films, color films, etc. 358,093; June 28; Serial No. 401,537; published Apr. 19, 1938. Class 26.
Thompson & Thompson, Pittsburgh, Pa. Medicated chewing gum. 358,023; June 28; Serial No. 378,765; published Apr. 19, 1938. Class 6.
Tiffany Bakeries, Inc., Dallas, Tex. Bakery products. 358,210; June 28. Class 46.
Tobin, Richard R., doing business as R. R. Tobin Tobacco Co., Detroit, Mich. Smoking tobacco, chewing tobacco, and cigarettes. 358,184; June 28; Serial No. 403,431; published Apr. 19, 1938. Class 17.
Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scales. 358,159; June 28; Serial No. 403,025; published Apr. 19, 1938. Class 26.
Underwood Razor Company. (See Schiff, Benjamin A.)
United Aircraft Corporation, East Hartford, Conn. Aircraft propellers, parts, and attachments therefor. 358,104; June 28; Serial No. 401,838; published Apr. 19, 1938. Class 19.



United Drill and Tool Corporation, Chicago, Ill. Twist drills, reamers, milling cutters, etc. 358,109; June 28; Serial No. 403,185; published Apr. 19, 1938. Class 23.
United Drug Company, Boston, Mass. Sedative and hypnotic medicine. 358,135; June 28; Serial No. 402,353; published Apr. 5, 1938. Class 6.
United Drug Company, Boston, Mass. Medicinal tablet for colds, etc. 358,194; June 28; Serial No. 403,570; published Apr. 12, 1938. Class 6.
Van Camp Sea Food Co. Inc. (See Premier Packing Co.)
Verley, Albert, Inc., Chicago, Ill. Perfumes and perfume materials. 358,173; June 28; Serial No. 403,227; published Apr. 5, 1938. Class 6.
Walden-Worcester, Inc., assignor to Stevens Walden, Incorporated, Worcester, Mass. Wrenches. 121,982; renewed June 11, 1938.
Walker Electrical Company, Atlanta, Ga. Sheet metal boxes or containers. 358,146; June 28; Serial No. 402,545; published Apr. 19, 1938. Class 21.
Walker, Myron L., Mount Vernon, N. Y. Cevitamic ascorbic acid. 358,180; June 28; Serial No. 403,379; published Apr. 19, 1938. Class 6.
Walker, Myron L., Mount Vernon, N. Y. Synthetic thiamin chloride in an aqueous solution. 358,181; June 28; Serial No. 403,380; published Apr. 19, 1938. Class 6.
Waropa A. G. (S. A. Waropa), Basel, Switzerland. Dental apparatus, dental instruments, and parts thereof. 358,104; June 28; Serial No. 403,106; published Apr. 19, 1938. Class 44.
Western Growers Protective Assn., Los Angeles, Calif. Melons. 358,211; June 28. Class 46.
Westex Blade Company. (See Herman, Max.)
Wickwire Spencer Steel Company, New York, N. Y. Steel wire rods and steel wire. 358,081; June 28; Serial No. 401,037; published Apr. 12, 1938. Class 14.
Windsor-Lloyd Products, Inc., Wilmington, Del. Ignition coils and replacement ignition coils. 358,212; June 28. Class 21.
Wróblewski, David, doing business as D. Wróblewski and Company, Brooklyn, N. Y. Sudless cleaning powder, clothes washing compound. 358,059; June 28; Serial No. 398,225; published Apr. 19, 1938. Class 4.
Young, Frank A., Shamokin, Pa. Tablet for stomach gas, heartburn, etc. 358,140; June 28; Serial No. 402,392; published Apr. 5, 1938. Class 6.
Younghusband, James L., Chicago, Ill. Lipsticks, rouge, face powder, etc. 358,064; June 28; Serial No. 398,953; published Apr. 19, 1938; Class 6.
Zefer Manufacturing Company. (See Harpel, J. J.)
Zenith Radio Corporation, Chicago, Ill. Radio frequency and audio frequency transmitting and receiving apparatus. 358,069; June 28; Serial No. 399,740; published Apr. 19, 1938. Class 21.
Zing Zong Co., Inc., Richmond, Va. Sound producing toy. 358,075; June 28; Serial No. 400,543; published Apr. 19, 1938. Class 22.

## LIST OF REGISTRANTS OF LABELS

American Pop Corn Company, Sioux City, Iowa. Jolly Time. For Pop Corn. 51,419; June 28.
American Pop Corn Company, Sioux City, Iowa. Jolly Time Seasoning. For Pop Corn. 51,420; June 28.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Cheese Wafers. For Cheese Wafers. 51,421; June 28.
Clayton, A. C., Printing Co., St. Louis, Mo. Stewart's Fine Footwear. For Footwear. 51,422; June 28.
Florida Citrus Canners Cooperative, Lake Wales, Fla. Value Controld. For Grapefruit. 51,423; June 28.
Hankow, Saul, doing business as Scientific Laboratories, Baltimore, Md. Scientific Roach and Bug Destroyer. For a Powder for the Elimination of Roaches, Water Bugs, Black Beetles, Ants, and Termites. 51,424; June 28.
Hoague-Sprague Corporation, Lynn, Mass. The Lincoln Shoe for Boys. For Shoes. 51,425; June 28.
Hoague-Sprague Corporation, Lynn, Mass. Aero Plastic. For Boxes. 51,426; June 28.
Hoague-Sprague Corporation, Lynn, Mass. Relaxers. For Boxes. 51,427; June 28.
Industrial Lithographic Company, Inc., New York, N. Y. Sterling. For Shoes. 51,428; June 28.
Lekas & Drivas, Inc., New York, N. Y. Evi Evan. For Light Wine Flavored with Resin. 51,429; June 28.
Morrison, Alfred M., doing business as Al Morrison, Oakland, Calif. Al Morrison's Alfalfa-Kelp Cream. For a Cream Product from Cream of Milk, Buttermilk, and Lemon Juice Combined with Organic Mineral Elements. 51,430; June 28.
National Institute of Public Service, Richmond, Ind. Thymphenolmethylene Blue. For Antiseptic Solution for Prophylactic and Local Treatment of Genito-Urinary Infections. 51,431; June 28.
O-Cedar Corp'n, Chicago, Ill. O-So-Ezy No-Rubbing Cream Polish. For Polish for Fine Furniture and Woodwork. 51,432; June 28.
O-Cedar Corp'n, Chicago, Ill. O-So-Ezy Glass Cleaner. For a Cleaner for Windows, Auto Glass Mirrors, and All Glass Surfaces. 51,433; June 28.
Paul, Peter, Inc., Naugatuck, Conn. Dreams. For a Chocolate, Almonds, and Coconut Confection. 51,434; June 28.
Refined Macaroni Co., New York, N. Y. Macaroni. For Macaroni. 51,435; June 28.
Scientific Laboratories. (See Hankow, Saul.)
Uco Food Corporation, Newark, N. J. Shamrock. For Coffee. 51,436; June 28.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Rentschlerized Meat is Better Meat. For Meat. 51,437; June 28.

## LIST OF REGISTRANTS OF PRINTS

American Institute of Food Products. (See Bories, Robert A.)
Bories, Robert A., doing business as the American Institute of Food Products, New York, N. Y. American Institute of Food Products. For a Food Product. 16,901; June 28.
Dick Brothers Brewing Company, Quincy, Ill. Dick's Pilsener Beer. For Beer. 16,902; June 28.
General Mills, Inc., Minneapolis, Minn. Can You Make a Cherry Pie as Perfect as This One? For Flour. 16,903; June 28.
Gum Incorporated, Philadelphia, Pa. Horrors of War. For Picture Cards and Bubble Gum. 16,904–7; June 28.
Hills Bros., San Francisco, Calif. An Empty Wagon Makes the Most Noise. For Coffee. 16,908; June 28.
Hills Bros., San Francisco, Calif. The Boxer's Fist Must Keep to Its Task. For Coffee. 16,909; June 28.
Hills Bros., San Francisco, Calif. You Cannot Make a Windmill Go With a Pair of Bellows. For Coffee. 16,910; June 28.
Hills Bros., San Francisco, Calif. If You Run After Two Hares You Will Catch Neither. For Coffee. 16,911; June 28.
Hills Bros., San Francisco, Calif. Gather the Rose and Leave the Thorn Behind. For Coffee. 16,912; June 28.
Hills Bros., San Francisco, Calif. A Good Anvil Does not Fear the Hammer. For Coffee. 16,913; June 28.
Hills Bros., San Francisco, Calif. When the Fox Preaches, Beware of Your Geese. For Coffee. 16,914; June 28.
Hills Bros., San Francisco, Calif. No Tree Falls at the First Stroke. For Coffee. 16,915; June 28.
Hills Bros., San Francisco, Calif. Too Keen an Edge Does Not Cut. . . Too Fine a Point Does Not Pierce. For Coffee. 16,916; June 28.
Hills Bros., San Francisco, Calif. The Worth of Good is Not Known But by Experience. For Coffee. 16,917; June 28.
Jackson, Michael, doing business as Jackson Publishing Co., Chicago, Ill. It's in the Bag. For Souvenirs. 16,918; June 28.
Lowe, Joe, Corporation, New York, N. Y. Healthful 5¢ Ice Cream on a Stick Cheerio Deliciously Coated. For Deliciously Coated Ice Cream Confections on a Stick. 16,919; June 28.
Lowe, Joe, Corporation, New York, N. Y. Ya Better Listen to th' Radio!! 5¢ Save Bags for Gifts—Popsicle Fudgicle Creamsicle Ice Cream on-a-Stick. For Frozen Confections on Sticks. 16,920; June 28.
Switzerland Cheese Association, Inc., New York, N. Y. Switzerland Swiss Cheese. For Swiss Cheese. 16,921; June 28.
Weisbaum Bros. Brower Company, The, Cincinnati, Ohio. Wonderful Ties for Wonderful Fathers. For Neckties. 16,922; June 28.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Rentschlerized. For Meats. 16,923; June 28.

# CLASSIFIED LIST OF TRADE-MARKS REGISTERED

### CLASS 1

Bees. Walter T. Kelley Co. 358,126; June 28; Serial No. 402,225; published Apr. 19, 1938.
Plants, rooted gardenia cuttings, etc., Gardenia. Carleton T. Lum, Inc. 358,101; June 28; Serial No. 401,783; published Apr. 19, 1938.
Skins, hides, and pelts, Fur. Fouke Fur Company. 358,152; June 28; Serial No. 402,722; published Apr. 19, 1938.

### CLASS 3

Handbags, Women's. Lentheric, Incorporated. 358,057; June 28; Serial No. 397,714; published Nov. 23, 1937.
Trunks, valises, suitcases, etc. Dale Luggage, Inc. 358,222; June 28.

### CLASS 4

Cleaner or solvent. J. J. Harpel. 358,085; June 28; Serial No. 401,113; published Apr. 19, 1938.
Cleaning paste. Nellie-Lou Corporation. 358,156; June 28; Serial No. 402,865; published Apr. 19, 1938.
Cleaning powder, clothes washing compound, Sudless. D. Wróblewski. 358,059; June 28; Serial No. 398,225; published Apr. 19, 1938.
Composition for use as a floor cleaner. Schalk Chemical Company. 358,087; June 28; Serial No. 401,277; published Apr. 19, 1938.
Detergents. General Chemical Company. 358,025; June 28; Serial No. 384,960; published Jan. 5, 1937.
Detergents. Speare Supply Company. 358,024; June 28; Serial No. 381,234; published Sept. 7, 1937.
Soap, Shaving. Castillian Products Corp. 358,037; June 28; Serial No. 302,196; published Apr. 19, 1938.
Soaps, Shaving-cream. Gerhard Mennen Chemical Co. 123,623; renewed Nov. 19, 1938.

### CLASS 5

Glue, Liquid. Improved Liquid Glues Co. Ltd. 122,323; renewed July 23, 1938.
Glues, adhesives, and binding agents. Society of Chemical Industry in Basle. 358,189; June 28; Serial No. 403,476; published Apr. 19, 1938.
Glues, adhesives, and binding agents. Society of Chemical Industry in Basle. 358,190; June 28; Serial No. 403,478; published Apr. 19, 1938.

### CLASS 6

Acid intermediate for making synthetic resins. Hercules Powder Company. 358,056; June 28; Serial No. 397,537; published Feb. 22, 1938.
Ammonia. C. M. Kimball Co. 358,172; June 28; Serial No. 403,211; published Apr. 19, 1938.
Analgesic. F. Mau Mary. 358,029; June 28; Serial No. 387,793; published Apr. 5, 1938.
Analgesic, anti-rheumatic, and anti-neuralgic preparations. E. R. Squibb & Sons. 358,096; June 28; Serial No. 401,621; published Apr. 5, 1938.
Anodyne and sclerosing solution. Abbott Laboratories. 358,110; June 28; Serial No. 401,967; published Apr. 5, 1938.
Anti-freeze compound. Astro Chemical Company. 358,114; June 28; Serial No. 402,084; published Apr. 5, 1938.
Antiseptic and deodorant compound. C. I. Lunts. 358,145; June 28; Serial No. 402,481; published Apr. 12, 1938.
Astringents, astringent cerates, bleach and beauty creams, etc. Shulton, Inc. 358,079; June 28; Serial No. 400,935; published Apr. 19, 1938.
Brilliantine, petroleum jelly, depilatory wax, etc. H. Aaron. 358,128; June 28; Serial No. 402,242; published Apr. 5, 1938.
Cellulose product, Soluble. General Dyestuff Corporation. 358,038; June 28; Serial No. 392,488; published Apr. 19, 1938.
Cevitamic ascorbic acid. M. L. Walker. 358,180; June 28; Serial No. 403,379; published Apr. 19, 1938.
Chemical compounds. Staten Island Chemical Corporation. 122,242; renewed July 9, 1938.
Chemical products. Society of Chemical Industry in Basle. 358,188; June 28; Serial No. 403,475; published Apr. 19, 1938.
Chemical solutions. Max Factor & Co. Inc. 358,099; June 28; Serial No. 401,729; published Apr. 5, 1938.
Chemicals. American Aniline Products, Inc. 358,122; June 28; Serial No. 402,167; published Apr. 12, 1938.
Chemicals, and pharmaceutical preparations. Société Chrysa. 358,050; June 28; Serial No. 396,048; published Apr. 19, 1938.
Cod liver oil and tablets containing extract of cod liver oil. McCoy's Products, Inc. 358,074; Serial No. 400,424; published Apr. 19, 1938.
Colors, Coal tar. Society of Chemical Industry in Basle. 358,187; June 28; Serial No. 403,474; published Apr. 19, 1938.
Compacts and combinations thereof, Face powder and rouge. Parfums Chevalier Garde, Inc. 358,108; June 28; Serial No. 401,943; published Apr. 19, 1938.
Composition for external application for effecting reformation of fleshy portions of the human body. Meldol, Incorporated. 358,203; June 28.
Composition for treatment of coal. Conewango Refining Company. 358,069; June 28; Serial No. 401,471; published Apr. 19, 1938.
Cosmetics and beauty shop supplies. A. W. Koken. 358,117; June 28; Serial No. 402,066; published Apr. 5, 1938.
Cream, Baby and cleansing. C. E. Logotheton. 358,121; June 28; Serial No. 402,130; published Apr. 12, 1938.
Cream, Tissue. Gene Palmer, Incorporated. 358,042; June 28; Serial No. 393,546; published Jan. 25, 1938.
Dandruff remover, etc. M. E. Bryant. 358,051; June 28; Serial No. 396,488; published Apr. 5, 1938.
Deodorants. J. A. Haines. 358,198; June 28; Serial No. 403,684; published Apr. 19, 1938.
Dyes. American Aniline Products, Inc. 358,123; June 28; Serial No. 402,168; published Apr. 5, 1938.
Dyestuffs, lakes, and chemical products suitable for dyeing and printing purposes. Geigy Company. 358,124; June 28; Serial No. 402,181; published Apr. 12, 1938.
Expectorant. Green Cross Pharmaceutical Products, Inc. 358,138; June 28; Serial No. 402,374; published Apr. 5, 1938.
Gas, Bottled. Consumers Utilities Company. 358,147; June 28; Serial No. 402,557; published Apr. 19, 1938.
Lipstick, rouge, face powder, etc. Associated Distributors, Inc. 358,001; June 28; Serial No. 398,603; published Jan. 4, 1938.
Lipsticks. W. E. Hausheer. 358,095; June 28; Serial No. 401,610; published Apr. 5, 1938.
Lipsticks, rouge, face powder, etc. J. L. Younghusband. 358,064; June 28; Serial No. 398,953; published Apr. 19, 1938.
Lotion for medicinal uses. F. A. Frasier. 358,149; June 28; Serial No. 402,582; published Apr. 19, 1938.
Lotions, face powders, cleansing cream, etc., After shaving. E. J. Kastner. 358,088; June 28; Serial No. 399,503; published Apr. 5, 1938.
Medicated chewing gum. Thompson & Thompson. 358,023; June 28; Serial No. 378,765; published Apr. 19, 1938.
Medicated mineral mix for stock and poultry feed and dog food. 4-5-6 Company. 358,071; June 28; Serial No. 399,886; published Apr. 5, 1938.
Medicinal jelly. Abbott Laboratories. 358,109; June 28; Serial No. 401,966; published Apr. 5, 1938.
Medicinal preparation. Liqui-Lax Co. 358,127; June 28; Serial No. 402,229; published Apr. 5, 1938.
Medicinal preparation. Renesol Corporation. 358,197; June 28; Serial No. 403,615; published Apr. 19, 1938.
Medicinal preparation. Sandos Chemical Works, Inc. 358,193; June 28; Serial No. 403,093; published Apr. 5, 1938.
Medicinal tablet for colds, etc. United Drug Company. 358,194; June 28; Serial No. 403,570; published Apr. 12, 1938.
Medicinal tonic. O. J. Hoffmann. 358,131; June 28; Serial No. 402,261; published Apr. 19, 1938.
Medicine. C. Bühler. 358,062; June 28; Serial No. 398,705; published Apr. 19, 1938.
Medicine. J. C. Grubb. 358,070; June 28; Serial No. 390,835; published Apr. 19, 1938.
Moth repellant preparation. Moth-O-Rize Co. 358,045–6; June 28; Serial Nos. 394,242–3; published Mar. 8, 1938.
Nitrate of ammonia compounds. E. I. du Pont de Nemours and Company. 358,105; June 28; Serial No. 401,852; published Apr. 5, 1938.
Ointment, Medicinal. Ayerst, McKenna & Harrison, Limited. 358,174; June 28; Serial No. 403,296; published Apr. 19, 1938.
Pectoral compound. Lanman & Kemp. 123,611; renewed Nov. 19, 1938.
Perfume. Kathleen Mary Quinlan, Inc. 358,134; June 28; Serial No. 402,344; published Apr. 5, 1938.
Perfumes and perfume materials. A. Verley, Inc. 358,173; June 28; Serial No. 403,227; published Apr. 5, 1938.
Pharmaceutical preparation. N. de Kouznetsoff. 358,076; June 28; Serial No. 400,634; published Apr. 19, 1938.
Pharmaceutical preparation. Haynesville Pharmacy. 358,217; June 28.
Pomade for treating wavy hair. L. Davis. 358,201; June 28; Serial No. 403,910; published Apr. 19, 1938.
Powder and lotion, shampoos, and colognes, After shave. Nassour Bros. Inc. Ltd. 358,049; June 28; Serial No. 395,076; published Jan. 18, 1938.
Powder, cream, astringent, etc., Face. Lovely Lady, Inc. 358,044; June 28; Serial No. 394,239; published Jan. 25, 1938.
Powders, etc., Toilet and talcum. Mennen Company. 358,165; June 28; Serial No. 403,139; published Apr. 19, 1938.
Preparation containing iodine, Liquid. J. Logeais. 358,190; June 28; Serial No. 403,775; published Apr. 19, 1938.





Preparation containing vitamin B. Parke, Davis & Company. 358,039–40; June 28; Serial Nos. 392,889–90; published Apr. 12, 1938.
Preparation for an antigen (parenteral alterative). Spicer and Company. 358,157; June 28; Serial No. 402,874; published Apr. 5, 1938.
Preparation for athelete's foot, poison ivy, and eczema. A. L. Hasselbusch. 358,130; June 28; Serial No. 402,260; published Apr. 12, 1938.
Preparation for preventing rust in radiators, etc. Kant-Rust Manufacturing Company. 358,031; June 28; Serial No. 388,680; published Apr. 12, 1938.
Preparation for relief of athlete's foot. E. W. Buck, Jr. 358,141; June 28; Serial No. 402,411; published Apr. 5, 1938.
Preparation for the treatment of coughs, colds, etc. J. A. Collins. 358,030; June 28; Serial No. 387,860; published Apr. 12, 1938.
Preparation for treatment of colds, asthma, hay fever, etc. Electro-Inhaler Co. 358,150; June 28; Serial No. 402,702; published Apr. 12, 1938.
Preparation for the treatment of headaches and neuralgia. R. Harris. 358,116; June 28; Serial No. 402,063; published Apr. 5, 1938.
Preparation for treating finger nails, nail cream and polish, etc. Sunbeam Laboratories. 358,072; June 28; Serial No. 400,071; published Apr. 19, 1938.
Preparation used in tanning. National Aniline & Chemical Company. 358,118; June 28; Serial No. 402,068; published Apr. 12, 1938.
Preparatons having anesthetic qualities. Rare Chemicals, Inc. 358,119; June 28; Serial No. 402,101; published Apr. 19, 1938.
Preserver and tonic, nail polishes, nail polish remover, etc., Finger nail. Sunbeam Laboratories. 358,032; June 28; Serial No. 388,808; published Apr. 27, 1937.
Reconditioner for hair and scalp. Equalife Laboratories. 358,111; June 28; Serial No. 401,904; published Apr. 5, 1938.
Sedative and hypnotic medicine. United Drug Company. 358,135; June 28; Serial No. 402,353; published Apr. 5, 1938.
Sizing and dressing fluid. W. M. Outon. 358,153; June 28; Serial No. 402,788; published Apr. 19, 1938.
Solution of chloromercurifuran. G. D. Searle & Co. 358,148; June 28; Serial No. 402,573; published Apr. 5, 1938.
Spray, Nasal. Griffin-Gary Company. 358,154; June 28; Serial No. 402,816; published Apr. 19, 1938.
Stimulant, Diuretic. Friendly Laboratories. 358,106; June 28; Serial No. 401,931; published Apr. 5, 1938.
Tablet for stomach gas, heartburn, etc. F. A. Young. 358,140; June 28; Serial No. 402,392; published Apr. 5, 1938.
Tablets for the relief of periodic pain, muscular aches and pains, etc. Medical Products Co. 358,139; June 28; Serial No. 402,382; published Apr. 5, 1938.
Talloel. Champion Paper and Fibre Company. 358,133; June 28; Serial No. 402,328; published Apr. 5, 1938.
Tanning materials and chemical products suitable for tanning purposes. Geigy Company. 358,125; June 28; Serial No. 402,182; published Apr. 12, 1938.
Thiamin chloride in an aqueous solution, Synthetic. M. L. Walker. 358,181; June 28; Serial No. 403,380; published Apr. 19, 1938.
Toilet water and perfume. M. de Botelho. 358,100; June 28; Serial No. 401,771; published Apr. 5, 1938.
Tonic, General health. J. Breyer. 358,151; June 28; Serial No. 402,709; published Apr. 5, 1938.
Tree saver, a preparation to be used to safeguard trees against insects. Goulard & Olena, Incorporated. 358,058; June 28; Serial No. 398,073; published Apr. 19, 1938.
Water softener and bath salts. Phosphate Mining Company. 358,166; June 28; Serial No. 403,147; published Apr. 12, 1938.
Welding compositions. Linde Air Products Company. 358,102; June 28; Serial No. 401,825; published Apr. 5, 1938.
Worm vegetable compound specific syrup and medicine. A. V. Scott. 358,041; June 28; Serial No. 393,466; published Apr. 5, 1938.

### CLASS 12

Board, insulating material, and wall covering, Sheathing. Fir-Tex Insulating Board Company. 358,205; June 28.
Mud and mud weights, Drilling. J. F. Larkin. 358,218; June 28.
Roofing and building papers, Asphalt composition. Globe Roofing Products Co. Inc. 358,220; June 28.

### CLASS 13

Boiler fittings. A. G. Blanchard. 358,080; June 28; Serial No. 400,944; published Apr. 19, 1938.
Fasteners, Slide-operated. G. E. Prentice Manufacturing Company. 358,091; June 28; Serial No. 401,507; published Apr. 19, 1938.
Pins, Belt lacer. Clipper Belt Lacer Company. 358,129; June 28; Serial No. 402,250; published Apr. 19, 1938.
Utensils, Aluminum cooking. Griswold Manufacturing Company. 358,144; June 28; Serial No. 402,474; published Apr. 19, 1938.

### CLASS 14

Bar-steel and steel castings. Darwin & Milner, Inc. 123,574; renewed Nov. 19, 1938.
Journal box lids. National Malleable and Steel Castings Company. 358,202; June 28; Serial No. 404,006; published Apr. 19, 1938.
Metal sheets and plain metal sheets, Corrugated. Newport Rolling Mill Company. 123,475; renewed Nov. 12, 1938.
Rods and wire for metal spraying, Metal. Metallizing Engineering Compahy. 358,092; June 28; Serial No. 401,535; published Apr. 19, 1938.
Rods and steel wire, Steel wire. Wickwire Spencer Steel Company. 358,081; June 28; Serial No. 401,037; published Apr. 12, 1938.

### CLASS 16

Colors and dry enamels, Paint. B. F. Drakenfeld & Co. Inc. 358,160; June 28; Serial No. 403,077; published Apr. 19, 1938.
Paints and enamels, etc., Ready mixed. Atlas Powder Company. 358,179; June 28; Serial No. 403,354; published Apr. 19, 1938.
Paint, Fire resisting. Wm. E. Hooper & Sons Company. 358,107; June 28; Serial No. 401,933; published Apr. 5, 1938.
Paints, paint enamels, japans, etc. Martin-Senour Co. 358,142; June 28; Serial No. 402,429; published Apr. 19, 1938.
Varnish sealer for plywood. A. C. Horn Company. 358,090; June 28; Serial No. 401,488; published Apr. 19, 1938.
Varnishes, paint enamels, etc. Pratt & Lambert-Inc. 358,177; June 28; Serial No. 403,329; published Apr. 19, 1938.

### CLASS 17

Cigarettes. Axton-Fisher Tobacco Company. 358,215; June 28.
Cigars. Nathan Elson & Co. Inc. 358,221; June 28.
Tobacco, chewing tobacco, and cigarettes, Smoking. R. B. Tobin. 358,184; June 28; Serial No. 403,431; published Apr. 19, 1938.

### CLASS 19

Aircraft propellers, parts and attachments therefor. United Aircraft Corporation. 358,104; June 28; Serial No. 401,838; published Apr. 19, 1938.

### CLASS 21

Boxes or containers, Sheet metal. Walker Electrical Company. 358,146; June 28; Serial No. 402,545; published Apr. 19, 1938.
Electrical contacts. Elsler Electric Corporation. 358,035; June 28; Serial No. 390,641; published Apr. 19, 1938.
Electrical equipment, and parts thereof. General Railway Signal Company. 358,115; June 28; Serial No. 402,061; published Apr. 19, 1938.
Horns, Electrical automobile. Sears, Roebuck and Co. 358,033; June 28; Serial No. 389,333; published Apr. 19, 1938.
Ignition coils and replacement ignition coils. Windsor-Lloyd Products, Inc. 358,212; June 28.
Lighting fixtures, Electric. Markel Electric Products, Inc. 358,223; June 28.
Transmitting and receiving apparatus, Radio, frequency and audio frequency. Zenith Radio Corporation. 358,069; June 28; Serial No. 390,740; published Apr. 19, 1938.
Waffle irons, Electric. Manning, Bowman & Co. 358,162; June 28; Serial No. 403,089; published Apr. 19, 1938.

### CLASS 22

Doll, Novelty toy. M. J. Hackman. 358,185; June 28; Serial No. 403,460; published Apr. 19, 1938.
Toy, Sound producing. Zing Zong Co. 358,075; June 28; Serial No. 400,543; published Apr. 19, 1938.

### CLASS 23

Auger bits. Irwin Auger Bit Company. 358,155; June 28; Serial No. 402,864; published Apr. 19, 1938.
Brakes and parts thereof. Empire Electric Brake Corporation. 358,161; June 28; Serial No. 403,080; published Apr. 19, 1938.
Cigarette vending or dispensing machines. Automoker Corporation of America. 358,132; June 28; Serial No. 402,325; published Apr. 19, 1938.
Clutch plates and replacement parts of clutch plates. B. G. H. Automotive Manufacturing Co. 358,026; June 28; Serial No. 385,129; published Apr. 19, 1938.
Drills, reamers, milling cutters, etc., Twist. United Drill and Tool Corporation. 358,169; June 28; Serial No. 403,185; published Apr. 19, 1938.
Machines and parts thereof. Cameron Machine Company. 123,096; renewed Oct. 15, 1938.
Muffler repair jackets. J. L. Smith. 358,224; June 28.
Razor blades. Berg Sales Co. 358,143; June 28; Serial No. 402,464; published Apr. 19, 1938.
Razor blades. M. Herman. 358,171; June 28; Serial No. 403,208; published Apr. 19, 1938.
Razors and razor blades. American Merchandise Company. 358,137; June 28; Serial No. 402,359; published Apr. 19, 1938.
Shavers, Electric dry. B. A. Schiff. 358,210; June 28.
Sprinklers, Hydrant lawn. H. N. D. Fuge. 358,055; June 28; Serial No. 397,507; published Apr. 19, 1938.

Wrenches. Walden-Worcester, Inc. 121,982; renewed June 11, 1938.

CLASS 26

Lenses and lens mounts, Camera and photographic. Ihagee Kamerawerk Steenbergen & Company. 358,043; June 28; Serial No. 394,085; published Apr. 19, 1938.
Light polarizers. Polarized Products Corporation. 358,036; June 28; Serial No. 391,709; published Apr. 19, 1938.
Pictures, photographic films, color films, etc., Cinematographic. I. M. Terwilliger. 358,093; June 28, Serial No. 401,537; published Apr. 19, 1938.
Scales, Weighing. Toledo Scale Manufacturing Company. 358,159; June 28; Serial No. 403,025; published Apr. 19, 1938.

CLASS 27

Clocks. E. Ingraham Company. 123,041; renewed Oct. 8, 1938.
Clocks. E. Ingraham Company. 123,447; renewed Nov. 12, 1938.
Clocks. E. Ingraham Company. 122,483; renewed Aug. 20, 1938.

CLASS 28

Jewelry. R Stoll. 123,500; renewed Nov. 12, 1938.

CLASS 32

Covers for furniture, chairs, seats, etc. Fry Products, Incorporated. 358,027; June 28; Serial No. 386,856; published Apr. 19, 1938.
Furniture. Stern & Co. 358,047; June 28; Serial No. 394,436; published Apr. 5, 1938.
Furniture, chairs, tables, etc., Living room, dining room, and bedroom. Peoples' Outfitting Company. 358,073; June 28; Serial No. 400,248; published Mar. 22, 1938.
Racks, Book. Allied Manufacturers, Inc. 358,167; June 28; Serial No. 403,158; published Apr. 19, 1938.

CLASS 33

Dishes and jars, Glass refrigerator. Borg-Warner Corporation. 358,097; June 28; Serial No. 401,646; published Apr. 19, 1938.

CLASS 34

Heating apparatus. Aga Stove Company. 358,086; June 28; Serial No. 401,128; published Apr. 19, 1938.
Lanterns burning liquid fuel. Truck. Embury Manufacturing Company. 358,098; June 28; Serial No. 401,655; published Apr. 19, 1938.

CLASS 35

Piston rings and piston ring expanders. Ramsey Accessories Manufacturing Corporation. 358,088; June 28; Serial No. 401,400; published Apr. 19, 1938.

CLASS 37

Labels, stickers, stamps, and ornamental seals, Gummed paper. J. W. Mally. 358,054; June 28; Serial No. 397,410; published Apr. 19, 1938.
Stamps, Hand. Hill-Independent Mfg. Co. 358,191; June 28; Serial No. 403,499; published Apr. 19, 1938.
Stamps, Hand. Hill-Independent Mfg. Co. 358,192; June 28; Serial No. 403,505; published Apr. 19, 1938.
Supports for typewriter erasers, Elastic. Weldon Roberts Rubber Co. 358,182; June 28; Serial No. 403,382; published Apr. 19, 1938.

CLASS 38

Newspaper. Pontiac Press Co. 358,052; June 28; Serial No. 396,507; published Jan. 11, 1938.
Newspaper section. New York Evening Journal, Inc. 358,213; published June 28, 1938.

CLASS 39

Headwear. B. H. Kaufman. 123,605; renewed Nov. 19, 1938.
Hosiery. Richmond Hosiery Mills. 123,648; renewed Nov. 19, 1938.
Suits, overcoats, coats, etc. Samuel Spitz & Sons, Inc. 358,065; June 28; Serial No. 399,016; published Jan. 4, 1938.

CLASS 40

Needles. Henry Milward & Sons. 15,731; re-renewed July 31, 1938.

CLASS 42

Cloth, Woven. S. Stroock & Co. Inc. 358,028; June 28; Serial No. 387,296; published Apr. 19, 1938.
Corduroys. Howlett & Hockmeyer Co. Inc. 358,208; June 28.
Cotton piece goods. Meritas Mills. 121,801; renewed May 28, 1938.
Curtains, curtain materials, and lace table covers. Scranton Lace Company. 358,186; June 28; Serial No. 403,470; published Apr. 19, 1938.
Lace goods and lace curtains. Fine Art Lace Company. 122,693; renewed Sept. 10, 1938.
Piece goods. Aronson-Caplin Company. 358,207; June 28.
Piece goods. Celanese Corporation of America. 358,175; June 28; Serial No. 403,305; published Apr. 19, 1938.
Piece goods. National Fabrics Corporation. 358,077; June 28; Serial No. 400,651; published Apr. 19, 1938.
Piece goods. Cohn-Hall-Marx Co. 358,158; June 28; Serial No. 402,892; published Apr. 19, 1938.
Rugs and mats, Floor. Edwin Field & Sons, Limited. 358,082–3; June 28; Serial Nos. 401,054–5; published Apr. 19, 1938.
Sheets, pillow cases, and bedding. May Department Stores Company. 358,193; June 28; Serial No. 403,353; published Apr. 19, 1938.

CLASS 44

Arch-supports. J. J. Keys. 122,714; renewed Sept. 10, 1938.
Dental amalgam. Crescent Dental Mfg. Co. 358,196; June 28; Serial No. 403, 583; published Apr. 19, 1938.
Dental apparatus, dental instruments and parts thereof. Waropa A. G. (S. A. Waropa). 358,164; June 28; Serial No. 403,106; published Apr. 19, 1938.
Cases and containers for hearing-aid batteries. Lew-Pay Mfg. Co. 358,112; June 28; Serial No. 402,008; published Apr. 19, 1938.
Prophylactic rubber articles. Killiam Manufacturing Company. 358,078; June 28; Serial No. 400,842; published Apr. 19, 1938.
Sanitary napkins. W. T. Grant Company. 358,183; June 28; Serial No. 403,411; published Apr. 19, 1938.
Syphon evacuators. Burrows Company. 358,195; June 28; Serial No. 403,578; published Apr. 19, 1938.

CLASS 45

Beverage, Soda. A. E. Fladung. 358,170; June 28; Serial No. 403,202; published Apr. 19, 1938.
Gingerale, club soda, and cream soda. Russian Tea Room Restaurant, Inc. 358,178; June 28; Serial No. 403,331; published Apr. 19, 1938.
Water, Mineral. Lincoln Park Natural Springs Corporation. 358,113; June 28; Serial No. 402,009; published Apr. 19, 1938.

CLASS 46

Bakery products. Tiffany Bakeries, Inc. 358,210; June 28.
Buttermilk. Borden Company. 358,209; June 28.
Canned fruits and canned vegetables. New Era Canning Company. 358,216; June 28.
Canned peas. Owen Canning Company. 121,727–8; renewed May 21, 1938.
Canned pineapples, apricots, plums, etc., and canned salmon. G. H. Hammond Company. 122,470; renewed Aug. 20, 1938.
Canned soups. A. L. Duhaime. 358,084; June 28; Serial No. 401,106; published Apr. 19, 1938.
Canned sardines. Premier Packing Co. 121,946; renewed June 11, 1938.
Cocoa, Prepared. Durkee-Mower, Inc. 358,168; June 28; Serial No. 403,172; published Apr. 19, 1938.
Essences, Liquid vegetable flavoring. Pure Food Factory "Hansa". 123,643; renewed Nov. 19, 1938.
Food supplement. Chappel Bros., Inc. 358,067; June 28; Serial No. 399,397; published Apr. 19, 1938.
Fruit and canned orange juice for food purposes, Fresh citrus. Mutual Orange Distributors. 358,048; June 28; Serial No. 394,852; published Jan. 4, 1938.
Fruit juices and candies. Da Vees. 358,034; June 28; Serial No. 390,051; published Apr. 19, 1938.
Fruits, Fresh. Natomas Fruit Company. 358,176; June 28; Serial No. 403,321; published Apr. 19, 1938.
Fruits, preserved berries, and preserved tomatoes. Preserved. R. D. Mitchell. 358,066; June 28; Serial No. 399,066; published Apr. 12, 1938.
Hams. Henry Muhs Company. 358,103; June 28; Serial No. 401,834; published Apr. 19, 1938.
Melons. Western Growers Protective Assn. 358,211; June 28.
Olive oil. R. H. Macy & Co. 358,053; June 28; Serial No. 397,262; published Apr. 19, 1938.
Popcorn, Bulk and packaged. J. F. Johnson. 358,060; June 28; Serial No. 398,283; published Apr. 19, 1938.
Potatoes. E. Kleinhans. 358,204; June 28.

CLASS 47

Sherry. Schroeder Bros., Inc. 358,214; June 28.
Wines. Scatena Bros. Wine Co. 358,206; June 28.
Wines. B. M. & J. Strauss Ltd. 358,120; June 28; Serial No. 402,104; published Apr. 19, 1938.

CLASS 48

Beer. William Peter Brewing Corp. 358,200; June 28; Serial No. 403,781; published Apr. 19, 1938.

CLASS 49

Rum. Compania Agricola Carabayllo. 358,136; June 28; Serial No. 402,358; published Apr. 19, 1938.

CLASS 50

Kits, Toilet. Richard Hudnut, Inc. 358,063; June 28; Serial No. 398,726; published Feb. 15, 1938.
Signs, Glass letter. Garden City Plating & Mfg. Co. 358,094; June 28; Serial No. 401,607; published Apr. 19, 1938.

# LIST OF LABELS

Aero Plastic. For Boxes. Hoague-Sprague Corporation. 51,426; June 28.
Al Morrison's Alfalfa-Kelp Cream. For a Cream Product from Cream of Milk, Buttermilk, and Lemon Juice Combined with Organic Mineral Elements. A. M. Morrison. 51,430; June 28.
Beech-Nut Cheese Wafers. For Cheese Wafers. Beech-Nut Packing Company. 51,421; June 28.
Dreams. For a Chocolate, Almonds and Coconut Confection. Peter Paul, Inc. 51,434; June 28.
Evi Evan. For Light Wine Flavored with Resin. Lekas & Drivas, Inc. 51,429; June 28.
Jolly Time. For Pop Corn. American Pop Corn Company. 51,419; June 28.
Jolly Time Seasoning. For Pop Corn. American Pop Corn Company. 51,420; June 28.
Macaroni. For Macaroni. Refined Macaroni Co. 51,435; June 28.
O-So-Ezy Glass Cleaner. For a Cleaner for Windows, Auto Glass, Mirrors and All Glass Surfaces. O-Cedar Corp'n. 51,433; June 28.
O-So-Ezy No-Rubbing Cream Polish. For Polish for Fine Furniture and Woodwork. O-Cedar Corp'n. 51,432; June 28.
Relaxers. For Boxes. Hoague-Sprague Corporation. 51,427; June 28.
Rentschlerized Meat is Better Meat. For Meat. Westinghouse Electric & Manufacturing Company. 51,437; June 28.
Scientific Roach and Bug Destroyer. For a Powder for the Elimination of Roaches, Water Bugs, Black Beetles, Ants, and Termites. S. Hankow. 51,424; June 28.
Shamrock. For Coffee. Uco Food Corporation. 51,436; June 28.
Sterling. For Shoes. Industrial Lithographic Company. 51,428; June 28.
Stewart's Fine Footwear. For Footwear. A. C. Clayton Printing Co. 51,422; June 28.
The Lincoln Shoe For Boys. For Shoes. Hoague-Sprague Corporation. 51,425; June 28.
Thymphenolmethylene Blue. For Antiseptic Solution for Prophylactic and Local Treatment of Genito-Urinary Infections. National Institute of Public Service. 51,431; June 28.
Value Controld. For Grapefruit. Florida Citrus Canners Cooperative. 51,423; June 28.

# LIST OF PRINTS

A Good Anvil Does Not Fear the Hammer. For Coffee. Hills Bros. 16,913; June 28.
American Institute of Food Products. For a Food Product. R. A. Bories. 16,901; June 28.
An Empty Wagon Makes the Most Noise. For Coffee. Hills Bros. 16,908; June 28.
Can You Make a Cherry Pie as Perfect as this One? For Flour. General Mills, Inc. 16,903; June 28.
Dick's Pilsener Beer. For Beer. Dick Brothers Brewing Company. 16,902; June 28.
Gather the Rose and Leave the Thorn Behind. For Coffee. Hills Bros. 16,912; June 28.
Healthful 5¢ Ice Cream on a Stick Cheerio Deliciously Coated. For Deliciously Coated Ice Cream Confections on a Stick. Joe Lowe Corporation. 16,919; June 28.
Horrors of War. For Picture Cards and Bubble Gum. Gum Incorporated. 16,904–7; June 28.
If You Run After Two Hares You Will Catch Neither. For Coffee. Hills Bros. 16,911; June 28.
It's in the Bag. For Souvenirs. M. Jackson. 16,918; June 28.
No Tree Falls at the First Stroke. For Coffee. Hills Bros. 16,915; June 28.
Rentschlerized. For Meats. Westinghouse Electric & Manufacturing Company. 16,923; June 28.
Switzerland Swiss Cheese. For Swiss Cheese. Switzerland Cheese Association, Inc. 16,921; June 28.
The Boxer's Fist Must Keep to Its Task. For Coffee. Hills Bros. 16,909; June 28.
The Worth of Good is Not Known but by Experience. For Coffee. Hills Bros. 16,917; June 28.
Too Keen an Edge Does Not Cut . . . Too Fine a Point Does Not Pierce. For Coffee. Hills Bros. 16,916; June 28.
When the Fox Preaches, Beware of Your Geese. For Coffee. Hills Bros. 16,914; June 28.
Wonderful Ties for Wonderful Fathers. For Necktie. Weisbaum Bros., Brower Company. 16,922; June 28.
Ya Better Listen to th' Radio!! 5¢ Save Bags for Gifts—Popsicle Fudgicle Creamsicle Ice Cream on-a-Stick. For Frozen Confections on Sticks. Joe Lowe Corporation. 16,920; June 28.
You Cannot Make a Windmill Go With a Pair of Bellows. For Coffee. Hills Bros. 16,910; June 28.

# LIST OF REISSUE PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 28TH DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Clayton, Benjamin, Houston, Tex., assignor to Refining, Inc., Reno, Nev. Producing soap having a definite water content. Re. 20,772; June 28.

Gottschalk, John W., Manufacturing Co. (See Sedgley, Reginald F., assignor.)

Helmore, William. (See Swan, A., and Helmore.)

Hobson, H. M., (Aircraft and Motor) Components Limited. (See Swan, A., and Helmore, assignors.)

Refining, Inc. (See Clayton, Benjamin, assignor.)

Sarazin, Raoul R. R., Saint-Prix, France. Means adapted to reduce the torsional oscillations of crankshafts. Re. 20,773; June 28.

Sedgley, Reginald F., assignor to John W. Gottschalk Manufacturing Co., Philadelphia, Pa. Method of and apparatus for curling strand material. 20,774; June 28.

Swan, Andrew, Kingston-on-Thames, and W. Helmore, London, assignors to H. M. Hobson (Aircraft and Motor) Components Llimted, London, England. System for preventing detrimental ice formation. 20,775; June 28.

# LIST OF DESIGN PATENTEES

Andrews, Jerome E., Andover, Mass. Shoe. 110,235; June 28.

Antkies, Jack, New York, N. Y. Textile fabric. 110,236; June 28.

Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine knee. 110,237; June 28.

Back, Robert, assignor to The Wahl Company, Chicago, Ill. Barrel for mechanical pencil or similar article. 110,265; June 28.

Benjamin, Benjamin, Freeport, N. Y. Shoe or similar article. 110,238; June 28.

Benjamin, Benjamin, Freeport, N. Y. Shoe or similar article. 110,239; June 28.

Berry, Helen, New York, N. Y. Dress. 110,300; June 28.

Betmar Hats, Inc. (See Marks, Murray, assignor.)

Blake Manufacturing Corporation. (See Cargill, William W., assignor.)

Blake Manufacturing Corporation. (See Coleman, Willis P., assignor.)

Boecking, Ewald, Great Kills, Staten Island, assignor to International Projector Corporation, New York, N. Y. Motion picture projector. 110,240; June 28.

Brenner, Louis J., New York, N. Y. Textile fabric. 110,307; June 28.

Brenner, Louis J., New York, N. Y. Textile fabric. 110,308; June 28.

Brown, Percy M. (See Garry, O. S., and Brown.)

Brownscombe, Philip J. (See Kende, G., and Brownscombe.)

Bruce, Leo I., Jr., Framingham, Mass., assignor to The Fitzgerald Manufacturing Company, Winsted, Conn. Flatiron. 110,266; June 28.

Caplan, Moses, Boston, Mass. Chair pad cover. 110,309; June 28.

Cargill, William W., Madison, Wis., assignor to Blake Manufacturing Corporation, Clinton, Mass. Flashlight casing. 110,267; June 28.

Carman, Albert S., assignor to The Dentists' Supply Company of New York, New York, N. Y. Combined storage cabinet and display screen. 110,268; June 28.

Chambers, Reuben H., Washington, D. C. Sorting device. 110,241; June 28.

Churchill, Howard B., Voorheesville, N. Y. Magazine rack. 110,269; June 28.

Cohen, William, New York, N. Y. Textile fabric. 110,310; June 28.

Coleman, Tora, New York, N. Y. Dress. 110,311; June 28.

Coleman, Tora, New York, N. Y. Dress. 110,312; June 28.

Coleman, Tora, New York, N. Y. Dress. 110,313; June 28.

Coleman, Willis P., Madison, Wis., assignor to Blake Manufacturing Corporation, Clinton, Mass. Flashlight casing. 110,270; June 28.

Crewse, Herbert F., Des Moines, Iowa. Combination lamp and fish bowl. 110,271; June 28.

Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 110,272; June 28.

Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 110,273; June 28.

Del Re, Gennaro, New York, N. Y. Slipper. 110,242; June 28.

Dennists' Supply Company of New York, The. (See Carman, Albert S., assignor.)

Divineform Brassiere Co. (See Pecknay, Irving E., assignor.)

Dreyfuss, Henry, New York, N. Y., assignor to The S. S. White Dental Manufacturing Company. Dental equipment stand. 110,274; June 28.

Dreyfuss, Henry, New York, N. Y., assignor to The S. S. White Dental Manufacturing Company. Dental equipment stand. 110,275; June 28.

Dreyfuss, Henry, New York, N. Y., assignor to The S. S. White Dental Manufacturing Company. Dental equipment unit. 110,276; June 28.

Dreyfuss, Henry, New York, N. Y., assignor to The S. S. White Dental Manufacturing Company. Dental equipment stand. 110,277; June 28.

Dubow, Nathan, New York, N. Y. Hat. 110,243; June 28.

Elsinger, Ernest F., New York, N. Y. Embroidered textile fabric. 110,301; June 28.

Electro Manufacturing Co. (See Nemeroff, Victor, assignor.)

Ellman, Jacob L., University City, Mo. Merchants' discount stamp or similar article. 110,321; June 28.

Epstein, Louis J., Jersey City, N. J. Bootee. 110,244; June 28.

Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)

Fitzgerald Manufacturing Company, The. (See Bruce, Leo I., Jr., assignor.)

Fracchia, Pauline, New York, N. Y. Dress. 110,314; June 28.

Freeman Daughaday Company. (See Hopfenberg, Irving J., assignor.)

French, Harriet Holder, Newport, R. I. Clothes drying frame. 110,322; June 28.

Fuerst, Brooks D., assignor to Libbey Glass Company, Toledo, Ohio. Tumbler. 110,278; June 28.

Fuerst, Brooks D., assignor to Libbey Glass Company, Toledo, Ohio. Tumbler. 110,279; June 28.

Fuerst, Brooks D., assignor to Libbey Glass Company, Toledo, Ohio. Tumbler. 110,280; June 28.

Fuerst, Edwin W., assignor to Libbey Glass Company, Toledo, Ohio. Tumbler. 110,281; June 28.

Gantner & Mattern Company. (See Gantner, Vallejo, assignor.)

Gantner, Vallejo, Hollywood, assignor to Gantner & Mattern Company, San Francisco, Calif. Textile fabric. 110,315; June 28.

Garry, Otto S., and P. M. Brown, New York, N. Y. Combined bottle and container therefor. 110,245; June 28.

Goldsmith, Samuel R., New York, N. Y. Handbag. 110,282; June 28.

Goodrich, Roy C., assignor to Robinson Knife Co., Springville, N. Y. Handle for knives, forks, and similar articles. 110,283; June 28.

Guerlain Perfumery Corporation of Delaware. (See Guerlain, Raymond, assignor.)

Guerlain, Raymond, Paris, France, assignor to Guerlain Perfumery Corporation of Delaware, Wilmington, Del. Bottle. 110,302; June 28.

Guild, Lurelle, Darien, Conn., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Thermometer. 110,246; June 28.

Hafner, August, Whitestone, Long Island, N. Y. Textile fabric or the like. 110,324; June 28.

Hafner, August, Whitestone, Long Island, N. Y. Textile fabric or the like. 110,325; June 28.

Hafner, August, Whitestone, Long Island, N. Y. Textile fabric or the like. 110,326; June 28.

Hafner, August, Whitestone, Long Island, N. Y. Textile fabric or the like. 110,327; June 28.

Hafner, August, Whitestone, Long Island, N. Y. Textile fabric or the like. 110,328; June 28.

Hafner, August, Whitestone, Long Island, N. Y. Textile fabric or the like. 110,329; June 28.

Hafner, August, Whitestone, Long Island, N. Y. Textile fabric or the like. 110,330; June 28.

Hafner, August, Whitestone, Long Island, N. Y. Textile fabric or the like. 110,331; June 28.

Hafner, August, Whitestone, Long Island, N. Y. Textile fabric or the like. 110,332; June 28.

Henschel, Joseph, New York, N. Y. Coat. 110,247; June 28.

Henschel, Joseph, New York, N. Y. Coat. 110,303; June 28.
Hokanson, Otto A. (See Swanson, C. A., and Hokanson.)
Hopfenberg, Irving J., New York, N. Y., assignor to Freeman Daughaday Company, Providence, R. I. Collar holder. 110,284; June 28.
Hurseler, Alphons, New Rochelle, N. Y. Shoe. 110,248; June 28.
International Projector Corporation. (See Boecking, Ewald, assignor.)
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Heater. 110,285; June 28.
Katz & Ogush, Inc. (See Ogush, Ben, assignor.)
Kearney & Trecker Corporation. (See Armitage, Joseph B., assignor.)
Kende, George, New York, N. Y., and P. J. Brownscombe, East Orange, N. J., assignors to Universal Camera Corporation, New York, N. Y. Camera or similar article. 110,323; June 28.
Knipple, Gordon W., Chicago, Ill., and N. L. Mercer, Marengo, Iowa. Package dispenser. 110,304; June 28.
Krebbiel, Edwin P., Hinsdale, Ill. Flowerpot or analogous article. 110,286; June 28.
Levin, David, New York, N. Y. Shoe. 110,249; June 28.
Levin, David, New York, N. Y. Shoe. 110,250; June 28.
Levin, David, New York, N. Y. Shoe. 110,251; June 28.
Lewis, Florence N., New York, N. Y. Face massager or the like. 110,252; June 28.
Libbey Glass Company. (See Fuerst, Brooks D., assignor.)
Marks, Murray, assignor to Betmar Hats, Inc., New York, N. Y. Hat. 110,254; June 28.
Melville, Beatrice. (See Melville, Joseph, assignor.)
Melville, Joseph, assignor to B. Melville, Long Beach, Calif. Shorts. 110,253; June 28.
Mercer, Nathan L. (See Knipple, G. W., and Mercer.)
Moore, Sidney A., assignor to The Prime Manufacturing Company, Milwaukee, Wis. Electric fence controller panel. 110,287; June 28.
Moore, Sidney A., assignor to The Prime Manufacturing Company, Milwaukee, Wis. Electric fence controller panel. 110,288; June 28.
Morse Andrews Company. (See Morse, William J., assignor.)
Morse, William J., Attleboro, Mass., assignor to Morse Andrews Company. Cuff link. 110,289; June 28.
Nemeroff, Victor, assignor to Electro Manufacturing Co., Chicago, Ill. Lamp shade. 110,255; June 28.
Neumann, Alfred, New York, N. Y. Display box. 110,256; June 28.
Ogg, Frank L., Los Angeles, Calif. Pennant-like device. 110,257; June 28.
Ogush, Ben, assignor to Katz & Ogush, Inc., New York, N. Y., Watchcase. 110,258; June 28.
Pecknay, Irving E., Brooklyn, assignor to Divineform Brassiere Co., Inc., New York, N. Y. Brassière. 110,316; June 28.
Philippe, Alfred, assignor to Trifari, Krussman, & Fishel, Inc., New York, N. Y. Pin clip. 110,290; June 28.
Philippe, Alfred, assignor to Trifari, Krussman, & Fishel, Inc., New York, N. Y. Pin clip. 110,291; June 28.
Philippe, Alfred, assignor to Trifari, Krussman, & Fishel, Inc., New York, N. Y. Pin clip. 110,292; June 28.
Philippe, Alfred, assignor to Trifari, Krussman, & Fishel, Inc., New York, N. Y. Pin clip. 110,293; June 28.
Pomeranz, Jacob J., Brooklyn, N. Y. Spectacle front. 110,259; June 28.
Prime Manufacturing Company, The. (See Moore, Sidney A., assignor.)
Quality Brands, Inc. (See Steuer, Norman F., assignor.)
Rebhuhn, Anne, New York, N. Y. Dress. 110,317; June 28.
Robinson, Harry C., Chattanooga, Tenn. Casket flower holder. 110,260; June 28.
Robinson Knife Co. (See Goodrich, Roy C., assignor.)
Schein, Samuel, Brooklyn, N. Y. Display stand for perfume bottles or the like. 110,305; June 28.
Shamyer, George H., New York, N. Y. Doily or similar article. 110,318; June 28.
Speik, Frederick A., Los Angeles, Calif. Spoon holder. 110,294; June 28.
Steinberger, Irwin, New York, N. Y. Glove. 110,319; June 28.
Stephens, Andrew J., Kansas City, Mo. Service bar counter. 110,261; June 28.
Steuer, Norman F., assignor to Quality Brands, Inc., San Francisco, Calif. Bottle. 110,262; June 28.
Swank Products, Inc. (See Zeman, Bernard R., assignor.)
Swanson, Carl A., Buffalo, and O. A. Hokanson, North Tonawanda, N. Y. Lamp. 110,263; June 28.
Thomas, Louis H., New York, N. Y. Combined lapel pin and match book holder. 110,295; June 28.
Tomshinsky, Victor, New York, N. Y. Dress. 110,306; June 28.
Trifari, Krussman, & Fishel, Inc. (See Philippe, Alfred, assignor.)
Universal Camera Corporation. (See Kende, G., and Brownscombe, assignors.)
Usona Manufacturing Company, The. (See Williams, Robert G., assignor.)
Verrecchio, Gene, Providence, R. I. Brooch or similar article. 110,296; June 28.
Wachs, Benjamin, New York, N. Y. Handbag frame or similar article. 110,297; June 28.
Wahl Company, The. (See Back, Robert, assignor.)
Weinstein, Benjamin, New York, N. Y. Dress. 110,320; June 28.
Weston Electrical Instrument Corporation. (See Guild, Lurelle, assignor.)
White, S. S., Dental Manufacturing Company, The. (See Dreyfuss, Henry, assignor.)
Williams, Robert G., assignor to The Usona Manufacturing Company, Toledo, Ohio. Flashlight. 110,298; June 28.
Wurlitzer Rudolph Company, The. (See Zaiser, William, assignor.)
Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill. Piano. 110,264; June 28.
Zeman, Bernard R., Providence, R. I., assignor to Swank Products, Inc. Cravat holder. 110,299; June 28.

# LIST OF PATENTEES

TO WHOM

## PATENTS WERE ISSUED ON THE 28TH DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accumulatoren-Fabrik Aktiengesellschaft. (See Burkhardt, Hans, assignor.)
Adams, Chester E., Hammond, Ind., and F. W. Scheineman, assignors to Standard Oil Company, Chicago, Ill. Separation of wax from oils. 2,122,019; June 28.
Adlake Company, The. (See Larson, Carl H., assignor.)
Air Preheater Corporation, The. (See Herbeck, Charles J., assignor.)
Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See Örström, Gustaf, assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Beck, Hans, assignor.)
Albini, Albino. (See Marsico, E., and Albini.)
Alexander, Edith F., Haverford, Pa. Combined hat and handbag. 2,122,171; June 28.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting system. 2,122,271; June 28.
Allen, Roy M., Bloomfield, N. J. Traffic signal. 2,121,772; June 28.
Alles, Richard, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Water-soluble condensation products and producing same. 2,122,124; June 28.
Alles, Richard, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Water-soluble condensation products and producing same. 2,122,125; June 28.
Allied Engineering Company. (See Kaptuller, Alexander F., assignor.)
Alme, Carl T., Meadville, Pa., assignor to Spaide Shirt Company. Garment presser. 2,121,849; June 28.
Alme, Carl T., Meadville, Pa., assignor to Spaide Shirt Company. Garment presser. 2,121,850; June 28.
Altmayer, Frank, assignor to Willard Storage Battery Company, Cleveland, Ohio. Battery dumper. 2,122,272; June 28.
American Automatic Devices Co. (See Kovac, Rudolph, assignor.)
American Chain & Cable Company. (See Williams, Charles G., assignor.)
American Cutting Alloys, Inc., The. (See Schwarzkopf, Paul, assignor.)
American Enka Corporation. (See Engel, Antonie J., assignor.)
American Enka Corporation. (See Slikker, Dirk, assignor.)
American Epok Inc. (See Rosenberg, Kurt, assignor.)
American Magnesium Metals Corporation. (See Hansgirg, Fritz, assignor.)
American Radiator Company. (See Woolley, Clarence M., assignor.)
American Seal-Kap Corporation of Delaware. (See Clark, Kempton, assignor.)
American Securit Company, The. (See Clitherow, William B., assignor.)
American Smelting and Refining Company. (See Smith, Albert A., Jr., assignor.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
American Stove Company. (See Frick, William H., assignor.)
American Telephone and Telegraph Company. (See Jacobson, Morris H. L., assignor.)
American Telephone and Telegraph Company. (See Swart, Leland K., assignor.)
American Timer Corporation. (See Gains, Chester R., assignor.)
American Tool and Machine Company. (See Williams, Frank I., assignor.)
American Window Glass Company. (See Forman, L. P., and Pancoast, assignors.)
Anderson, Harold N. (See Katzberg, William J., assignor.)
Angelmi, Curt. (See Kruse, W., and Fischer, assignors.)
Anklam, Charles W. (See Foley, C. F., and Anklam.)
Apparatebau Gesellschaft Neumann & Borm Kommanditgesellschaft. (See Wurdel, Günther, assignor.)
Appelberg, Gustaf R. (See Bullard, E. P., and Appelberg.)
Archibald, John W. (See Jolly, C., Archibald, and Solomon.)
Arnold, Craig R., Dahlonega, Ga. Electric furnace. 2,122,241; June 28.
Asbury, Charles T., Elkins Park, Pa. Liquid vaporizing device. 2,122,333; June 28.
Asbury, Charles T., Elkins Park, Pa. Gas and liquid contacting apparatus. 2,122,334; June 28.
Atno, Henry T. (See Hooper, J. E., and Atno.)
Auden, Harold A., Banstead, H. P. Staudinger, Epsom, and P. Eaglesfield, Carshalton, England, assignors to E. Berl, Pittsburgh, Pa. Treatment of cellulose triacetate. 2,121,899; June 28.
Bailey, James, and A. K. Lyle, assignors to Bailey & Sharp Co., Inc., Hamburg, N. Y. Windowpane and making same. 2,121,777; June 28.
Bailey & Sharp Co. (See Bailey, J., and Lyle, assignors.)
Baily, Thaddeus F., Canton, Ohio. Calcining phosphate-bearing materials. 2,121,776; June 28.
Baird, Warren W., assignor of one-fourth to C. W. Vollenweider, Pittsburgh, Pa. Conductor fitting. 2,122,051; June 28.
Baldwin-Southwark Corporation. (See Steinfeld, Hans K., assignor.)
Ballantine, Stuart, Mountain Lakes, N. J. Sound translating apparatus. 2,121,778; June 28.
Ballantine, Stuart, Mountain Lakes, N. J. Sound translating apparatus. 2,121,779; June 28.
Ballantine, Stuart, Mountain Lakes, N. J. Sound translating system. 2,121,780; June 28.
Ballantine, Stuart, Mountain Lakes, N. J. Sound translating device. 2,121,781; June 28.
Ballantine, Stuart, Mountain Lakes, N. J. Sound translation apparatus. 2,122,191; June 28.
Banks, Arnold E., Cheboygan, Mich. Independent four-wheel spring mounting. 2,122,308; June 28.
Barclay, Frank B., Chicago, Ill. Supporting mechanism for locomotives. 2,121,782; June 28.
Barks, Frank S., assignor to Lincoln Engineering Company, St. Louis, Mo. Pumping apparatus. 2,122,020; June 28.
Barnard, Harold, Houston, Tex., assignor to Whitehead Brothers Rubber Company, Trenton, N. J. Hose end structure. 2,122,126; June 28.
Barrett Company, The. (See Canavan, Edward J., assignor.)
Barrett Company, The. (See Wittenberg, Lester, assignor.)
Barrett, Edward L., La Grange, assignor to Utah Radio Products Company, Chicago, Ill. Making and assembling laminated structures and apparatus therefor. 2,121,851; June 28.
Barrett, Edward L., La Grange, assignor to Utah Radio Products Company, Chicago, Ill. Electric motor. 2,121,852; June 28.
Barrett, Elliott P., Pittsburgh, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric cable and manufacturing it. 2,121,942; June 28.
Barron, Arthur S., et al. (See Pollard, John H., assignor.)
Barton, James B. (See Smith, W., Hall, and Barton.)
Barwick, Emerson C., Pinner, England, assignor to General Electric Company. Control of electric motors. 2,122,273; June 28.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Light weight brake beam. 2,122,081; June 28.
Batcheller, Clements, Portsmouth, N. H. Roofing or sheet product. 2,122,192; June 28.
Bear Creek Company, The. (See Beckwith, L. C., Leuschner, and Fordham, assignors.)
Beasley, Archie H., and D. H. Donahoo, Kannapolis, N. C. Humidifier control apparatus. 2,122,000; June 28.
Bechik, Michael, St. Paul, Minn. Mattress and cushion handle. 2,122,355; June 28.
Beck, Hans, Stuttgart-Bad-Cannstatt, Germany, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Producing sheet metal cages for cylindrical roller bearings. 2,122,365; June 28.
Beckwith, Leonard C., Berkeley, R. D. Leuschner, Merced, and F. Fordham, Turlock, assignors to The Bear Creek Company, Merced, Calif. Method of and apparatus for processing figs. 2,122,021; June 28.
"Beco" Maschinenfabrik G. m. b. H. (See Lorentz, Valentin, assignor.)
Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Recording and reproduction of sound. 2,122,193; June 28.
Beimler, Henry C., Phoebus, Va. Garment hanger. 2,122,309; June 28.
Bell, Charles R., Rosharon, Tex. Conveyer belt. 2,122,052; June 28.
Bem, Joseph P., Oakland, Calif. Brick and block wall reinforcing. 2,121,943; June 28.
Benade, Walther, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Orthohydroxyazo dyes and manufacturing the same. 2,122,127; June 28.
Bennett, James A. J., Genista, Newton Mearns, assignors to G. & J. Weir Limited, Glasgow, Scotland. Torsional vibration absorber. 2,122,274; June 28.
Bergmann, Adolf, Berlin-Charlottenburg, Germany. Furniture frame. 2,122,172; June 28.

Berl, Ernst. (See Auden, H. A., Staudinger, and Waglesfield, assignors.)
Berman, Michael, and W. Brockner, assignors to Hewitt Rubber Corporation, Buffalo, N. Y. Making multiple passage hose. 2,122,335; June 28.
Berry, Casmer P., Buffalo, N. Y. Spice rack. 2,122,336; June 28.
Bertram, Francis C., Portland, N. Y. Forming wire handles. 2,122,062; June 28.
Best, Wilson F., and W. Kremer, Grand Rapids, Mich.; said Kremer, assignor to said Best. Receptacle. 2,121,944; June 28.
Bidwell, Earl E., assignor to Productive Inventions, Inc., Gary, Ind. Spark plugs. 2,122,242; June 28.
Bienert, Berthold. (See Gassner, S., and Bienert.)
Bird, Harold S. (See Marsters, E. R., and Bird.)
Birkebak, Christian A. (See Snader, I. J., and Birkebak.)
Bischoff, Fritz E., Santa Barbara, Calif. Insulin preparation. 2,121,900; June 28.
Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Camp stove. 2,122,275; June 28.
Bixby, Butler L., Buffalo, assignor of one-tenth to E. H. Wright, Olean, N. Y. Automatic welding torch. 2,122,194; June 28.
Black, Harold M., assignor to McKee Glass Company, Jeannette, Pa. Glass feeder. 2,121,945; June 28.
Bockisch, Walter A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coin controlled apparatus. 2,121,946; June 28.
Bodkin, Irving S., New York, assignor to Conrad Razor Blade Co., Inc., Long Island City, N. Y. Machine for applying legends to razor blades. 2,121,947; June 28.
Bonhard, John, West New York, N. J. Pressure gauge for internal combustion motors. 2,122,243; June 28.
Borland, Carl A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Burner. 2,121,948; June 28.
Bosco, George B., Chicago, Ill. Form hanger for concrete slab structures. 2,122,276; June 28.
Boudin, Louis, St.-Gobain, and H. Poeymirou, Asnieres, assignors to Société Anonyme des Manufactures des Glaces & Produits Chemiques de Saint-Gobain, Chauny & Cirey, Paris, France. 2,122,083; June 28.
Bower, Raymond G., Bloomfield Hills, assignor to Burroughs Adding Machine Company, Detroit, Mich. Typewriter. 2,121,853; June 28.
Brainard, Seymour W. (See Lewis, E. V., and Brainard.)
Brandt, Samuel. (See Fuller, F. L., and Brand.)
Brandt, Robert J., Los Angeles, Calif. Electrode release for arc lamps. 2,122,195; June 28.
Breckenridge, Francis C., Washington, D. C. Airplane running light. 2,121,783; June 28.
Breer, Carl, Grosse Pointe Park, assignor to Chrysler Corporation, Highland Park, Mich. Weatherstrip. 2,121,854; June 28.
Bren, Bezetech C., Verona, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of resins. 2,122,277; June 28.
Briggs Manufacturing Company. (See Callahan, John A., assignor.)
Briggs Manufacturing Company. (See Coordes, Harry G., assignor.)
Briggs Manufacturing Company. (See Pinter, Frank V., assignor.)
Brill, Rudolf. (See Lederle, E., and Brill.)
Brockner, William. (See Berman, M., and Brockner.)
Brown, Charles R., Champaign, Ill., and A. T. Scott, Ardmore, assignors to The Sharples Specialty Company, Philadelphia, Pa. Steeping and degerminating process. 2,122,084; June 28.
Brown Company. (See Brown, Orton B., assignor.)
Brown, Gouverneur G., Ashuelot, N. H. Socket connection. 2,122,244; June 28.
Brown Instrument Company, The. (See Harrison, T. R., Grauel, and Kessler, assignors.)
Brown, Orton B., assignor to Brown Company, Berlin, N. H. Apparatus for mixing and reacting purposes. 2,122,173; June 28.
Brown, Orton B., assignor to Brown Company, Berlin, N. H. Apparatus for mixing and reacting purposes. 2,122,174; June 28.
Budd, Edward G., Manufacturing Company. (See Ragsdale, E. J. W., and Conwell, assignors.)
Bullard Company, The. (See Bullard, E. P., and Appelberg, assignors.)
Bullard, Edward P., Fairfield, and G. R. Appelberg, Bridgeport, Conn., assignors to The Bullard Company. Fluid chuck operating mechanism. 2,122,356; June 28.
Burdick, Richard, et al. (See Pollard, John H., assignor.)
Burdick, Wayne E. (See Loehr, L. K., and Burdick.)
Burkhardt, Hans, Berlin-Lankwitz, assignor to Accumulatoren-Fabrik Aktiengesellschaft, Berlin, Germany. Manufacturing porous metallic bodies. 2,122,053; June 28.
Burroughs Adding Machine Company. (See Bower, Raymond G., assignor.)
Burroughs, Edwin E., Hamilton Beach, Long Island, assignor to Potdevin Machine Company, Brooklyn, N. Y. Printing press. 2,122,128; June 28.
Burt, Enos M., Wichita Falls, Tex. Oil and water separator. 2,122,310; June 28.
Busby, Daniel, Seattle, Wash. Cowling fastener. 2,121,784; June 28.
Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Coupling high-frequency apparatus. 2,121,855; June 28.
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 2,121,785; June 28.
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 2,122,231; June 28.
Butler, Charles R. (See Rasmussen, C. A., and Butler.)
Butty, Carlos, Buenos Aires, Argentina. Tubular body forming apparatus. 2,121,901; June 28.
Buysch, Heinrich. (See Krants, H., Simons, and Buysch.)
Callahan, John A., assignor to Briggs Manufacturing Company, Detroit, Mich. Bathtub. 2,122,245; June 28.
Campbell, Donald J., Spring Lake Township, Ottawa County, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Molding apparatus. 2,122,022; June 28.
Campbell, Harry A., and G. H. Vinette, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Seat construction. 2,121,856; June 28.
Campbell, Harry W., Los Angeles, and T. S. Graham, Inglewood, Calif. Javelin. 2,122,023; June 28.
Campbell, William R., Battle Creek, Mich. Roller skate. 2,122,311; June 28.
Campbell, Wyant & Cannon Foundry Company. (See Campbell, Donald J., assignor.)
Canavan, Edward J., Teaneck, N. J., assignor to The Barrett Company, New York, N. Y. Bituminous paint and making the same. 2,121,949; June 28.
Carbide and Carbon Chemicals Corporation. (See Cox, Henry L., assignor.)
Carboxhyd Ltd. (See Prudhomme, Eugène A., assignor.)
Cardwell-Westinghouse Company. (See Sproul, Donald F., assignor.)
Carel, Marjorie E., Chicago, assignor to F. E. Seiz, Glencoe, Ill. Bag for hot or cold packs. 2,122,001; June 28.
Carley, Russell W., Wauwatosa, assignor to Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 2,121,857; June 28.
Carroll, Joseph, Brooklyn, assignor of one-half to B. Kobre, New York, N. Y. Washing machine. 2,121,786; June 28.
Cassion, John, Brooklyn, N. Y. Door attachment. 2,122,312; June 28.
Castricone, John A., Peoria, Ill. Gear case drive shaft mounting. 2,122,085; June 28.
Catron, Joseph W., Bigelow, Mo. Internal combustion engine. 2,122,002; June 28.
Cawley, Aloysius J., Pittston, Pa. Television system. 2,122,337; June 28.
Celanese Corporation of America. (See Steinberger, Alfred J., assignor.)
Chase, Arthur A., Southend-on-Sea, assignor to F. T. Fogden, Westcliff-on-Sea, England. Silencer for internal combustion engines. 2,122,086; June 28.
Chemical Construction Corporation. (See Eklund, Joel, assignor.)
Chemische Fabrik R. Baumheier Kommanditgesellschaft Oschatz-Zscheilau. (See Kern, Rudolf, assignor.)
Chemical Works formerly Sandos. (See Peter, Albin, assignor.)
Cherry-Burwell Corporation. (See Lippold, Adolph J., assignor.)
Chew, Fred C., Grand Island, Nebr. Excavating and prospecting tool. 2,121,858; June 28.
Chilton, Roland, Ridgewood, N. J., assignor to The Reed Propeller Co., Inc. Ball suspended dynamic counterweight. 2,121,950; June 28.
Chorlton, Frank O. L., Bury, England. Sealing container. 2,122,087; June 28.
Chouinard, Alfred F., assignor to R. T. Moloney, Chicago, Ill. Coin divider. 2,122,024; June 28.
Christie, Soren L., Los Angeles, Calif. Concentration testing apparatus and method. 2,122,363; June 28.
Christie, Soren L., Los Angeles, Calif. Compensated concentration testing system and method. 2,122,364; June 28.
Chrysler Corporation. (See Breer, Carl, assignor.)
Chrysler Corporation. (See Campbell, H. A., and Vinette, assignors.)
Chrysler Corporation. (See Lee, Roger K., assignor.)
Chrysler Corporation. (See Tea, Clark A., assignor.)
Clanton, Earl S. (See Quick, John B., assignor.)
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Fluorinated paraffin wax. 2,122,278; June 28.
Clark, Kempton, Little Compton, R. I., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del. Paper article. 2,121,951; June 28.
Cleveland Hobbing Machine Company, The. (See Staples, Otis E., assignor.)
Clewell, John H., Arlington, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Making ornamental plastic rods. 2,122,246; June 28.
Clitherow, William B., St. Helens, England, assignor to The American Securit Company, Wilmington, Del. Tempering of glass. 2,122,088; June 28.
Cohen, Abraham, Amsterdam, Netherlands. Shuttle for looms. 2,122,338; June 28.
Cohen, Charles A. (See Mikeska, L. A., and Cohen.)





Collins, Joseph L. (See Robinson, P., and Collins.)
Colonius, Herbert, Duesseldorf, and F. Weldes, Duesseldorf-Benrath, assignors to Henkel & Cie G. m. b. H., Duesseldorf-Holthausen, Germany. Bleaching, washing, and cleansing compositions. 2,121,952; June 28.
Conner, Guy O., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Container. 2,121,953; June 28.
Connors, Thomas. (See Curtis, David W., assignor.)
Conrad Razor Blade Co. (See Bodkin, Irving S., assignor.)
Conrad, Werner, Cologne, assignor to the firm Herbig Haarhaus Aktiengesellschaft, Cologne-Bickendorf, Germany. Manufacture of artificial resins. 2,122,089; June 28.
Consolidated Expanded Metal Companies, The. (See Glass, Alexander, assignor.)
Conwell, Charles B. (See Ragsdale, E. J. W., and Conwell.)
Cooper, Leonard W., La Grande, Oreg. Cartridge holding device. 2,122,003; June 28.
Coordes, Harry G., assignor to Briggs Manufacturing Company, Detroit, Mich. Sheet metal bathtub. 2,122,247; June 28.
Coulter, Charles P., Jr., Great Neck, assignor to Wellington Sears Company, New York, N. Y. Absorbent textile. 2,122,175; June 28.
Cox, Henry L., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Diethyl ether of triethylene glycol. 2,122,129; June 28.
Crane, Augustus W., deceased, Kalamazoo, Mich.; C. H. Kleinstuck, executor. Making a golf ball. 2,122,279; June 28.
Crary, Jay D., Portland, Oreg. Carrying bag. 2,122,025; June 28.
Creighton, Olin C., assignor to The Kristee Manufacturing Company, Akron, Ohio. Clothes brush. 2,122,090; June 28.
Crist, William E., Jr., Springfield, Ohio. Tensioning apparatus for material rolls. 2,121,902; June 28.
Crockett, James B., Malden, assignor to Hevestex Corporation, Melrose, Mass. Centrifugal concentration of rubber latex or the like. 2,122,232; June 28.
Crown Cork & Seal Company. (See Frink, Nelson S., assignor.)
Crown Cork & Seal Company. (See McManus, Charles E., assignor.)
Crown Cork & Seal Company. (See Weisenburg, Andrew, assignor.)
Cuadrado, Manuel F. de C. (See Sandoval y Campdera, J. M., and Cuadrado.)
Culbertson, Joe W., West Hollywood, Calif., assignor to Technical Oil Tool Corporation, Ltd. Shock absorber for drift recording instruments. 2,122,026; June 28.
Cunningham, George L., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Dehydrating aqueous alcohols. 2,121,954; June 28.
Cuppies Company, Manufacturers. (See Fleischli, J. A., and Kountzman, assignors.)
Curran, Eugene, Cardiff, Wales. Boundary beacon light for airports. 2,122,313; June 28.
Currie, Donald. (See Currie, Dugald and D.)
Currie, Dugald and D., Odebolt, Iowa. Corn harvester. 2,121,859; June 28.
Currie, Robert A., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Torch or lamp. 2,121,903; June 28.
Currie, Robert A., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Torch or lamp. 2,121,904; June 28.
Curtis, David W., assignor to T. Connors, St. Louis, Mo. Bushing for steel barrel heads. 2,122,054; June 28.
Cushman Chuck Company, The. (See Sloan, H. E., and Highberg, assignors.)
Czapp, Erich. (See Schoenbeck, F., and Czapp.)
Czarny, Albert and F., St. Paul, Minn. Illuminated license plate taillight. 2,122,027; June 28.
Czarny, Frank. (See Czarny, Albert and F.)
Daggett, T. Calvin, et al. (See Raymond, Joseph, assignor.)
Dahlgren, Edwin H., Seattle, Wash., assignor to Government of the United States, as represented by the Secretary of Commerce. Method and apparatus for determining the migration of fish. 2,121,787; June 28.
Dahnert, Theodore C., assignor to Ludwig Mfgy Co. Inc., Racine, Wis. Fastener. 2,122,130; June 28.
Daiber, George C., Seattle, Wash., now by judicial change of name Ome Craig Daiber. Garment-like sleeping bag. 2,121,788; June 28.
Daiber, Ome C. (See Daiber, George C.)
Daman, Arthur C., Denver, Colo. Ore treating system. 2,122,028; June 28.
Dauman, Samuel S., New York, N. Y. Lighting fixture. 2,121,860; June 28.
Davey, Herbert W., Annapolis, Md. Roof construction. 2,121,789; June 28.
Davies, Gomer L. (See Kear, F. G., Davies, and Orton.)
Davies, Gomer L., Silver Spring, Md., assignor to Washington Institute of Technology, Inc., Washington, D. C. Method and apparatus for producing course indication. 2,122,091; June 28.
Davis, Elmer M., assignor to Industrial Patents Corporation, Chicago, Ill. Deodorising. 2,122,029; June 28.
Day, William W., Hammond, La. Crate. 2,121,905; June 28.
De Give, Gertrude L., Atlanta, Ga. Page turning tab. 2,122,004; June 28.
De Groot, Abraham J. W. (See Volz, R. F., Horowitz, and De Groot.)
De Long, Darrol F., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,122,131; June 28.
Demas, John, New York, N. Y. Circuit closer for alarms. 2,122,248; June 28.
Dennis, W. J., & Company. (See Dennis, William J., assignor.)
Dennis, William J., assignor to W. J. Dennis & Company, Chicago, Ill. Weather strip construction. 2,122,366; June 28.
Dennison Manufacturing Company. (See Flood, Carl A., assignor.)
Denver Patent Company. (See Logue, Leland H., assignor.)
Dickerson, Arthur, Salt Lake City, Utah. Jack. 2,121,861; June 28.
Dickey, Joseph B. (See McNally, J. G., and Dickey.)
Diedrich, Günther, Stettin, Germany, assignor to General Electric Company. Elastic fluid generator arrangement. 2,122,280; June 28.
Dietz, R. E., Company. (See Currie, Robert A., assignor.)
Dirkes, Robert F., Jamaica, and V. R. Kimball, Palisade Park, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph switching system. 2,122,367; June 28.
Docking, Arthur, Sanderstead, England. Refractory brick or radiant for surface combustion burners. 2,122,132; June 28.
Dodge, Harry B., assignor to The Four Wheel Drive Auto Company, Clintonville, Wis. Heavy duty vehicle construction. 2,121,862; June 28.
Dodge, Henry M. (See Kranich, H. O., and Dodge.)
Dohse, Hans, Heidelberg, and W. Huehn, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Irontanned leather. 2,122,133; June 28.
Dole Valve Company, The. (See Tweed, Frederick H., assignor.)
Dolt, Margaret C. (See Dolt, Otto F., assignor.)
Dolt, Otto F., assignor to M. C. Dolt, Louisville, Ky. Building construction. 2,122,339; June 28.
Donahoo, David H. (See Beasley, A. H., and Donahoo.)
Donnellan, James S., Los Angeles, Calif. Sprinkler. 2,122,055; June 28.
Dorr Company, The. (See Kepper, Henry, assignor.)
Dorr Company, The. (See Scott, Charles H., assignor.)
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electrical connection means. 2,122,030; June 28.
Driessen, Wallace W. (See Goldberg, M. W., and Driessen.)
Druge, Daniel O., and O. C., Oakland, Calif. Faucet. 2,121,863; June 28.
Druge, Otto C. (See Druge, Daniel O. and O. C.)
Duffield, Frederick L., London, England. Production of iron from iron ore. 2,122,197; June 28.
Duke, Robert S., Houston, Tex. Lap retruing machine. 2,122,056; June 28.
Dunn, Edward L., Livingston, N. J., assignor to Otis Elevator Company, New York, N. Y. Closure operating mechanism. 2,121,906; June 28.
Dunsheath, Percy, Kent, assignor to Henley Extrusion Machine Company Limited, London, England. Means for melting metal. 2,122,233; June 28.
Du Pont, E. I., de Nemours & Company. (See Bren, Bezetech C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Clewell, John H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Legendre, Ernest, assignor.)
Du Pont, E. I., de Nemours & Company. (See Lewis, E. V., and Brainard, assignors.)
Du Pont, E. I., de Nemours & Company. (See McKenna, William R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Strain, Daniel E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wilder, George H., assignor.)
Durand & Huguenin S. A. (See Ratti, Roger, assignor.)
Durno, George W., Pittsburgh, Pa. Service cock key and curb box cleaner. 2,122,340; June 28.
Eaglesfield, Philip. (See Auden, H. A., Staudinger, and Eaglesfield.)
Eastman Kodak Company. (See Maim, Carl J., assignor.)
Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)
Easton, Clarence V., Coshocton, Ohio. Footwear 2,121,907; June 28.
Eaton Manufacturing Company. (See Russell, Robert C., assignor.)
Eddison, William B., Ardsley on Hudson, N. Y. Motion checking apparatus. 2,121,773; June 28.
Edes, Fletcher R., and F. M. Martin, Plymouth, Mass. Apparatus for conditioning engraving plates. 2,122,198; June 28.
Eger, Ernst, Grosse Pointe Park, Mich., assignor to United States Rubber Products, Inc., New York, N. Y. Pneumatic tire tread. 2,121,955; June 28.

Eger, Ernst, Grosse Pointe Park, Mich., assignor to United States Rubber Products, Inc., New York, N. Y. Nonskid tire. 2,121,956; June 28.
Eldco, Inc. (See Hokanson, Martin, assignor.)
Elison, Walter G., Winchester, England. Liquid power transmission device. 2,122,169; June 28.
Eklund, Joel, New Rochelle, assignor to Chemical Construction Corporation, New York, N. Y. Steam boiler. 2,122,390; June 28.
Electrical Research Laboratories Inc. (See Schnell, William J., assignor.)
Electro-Acoustic Products Company. (See Freimann, Frank, assignor.)
Electronic Supply Corp. (See Stringer, Louis C., assignor.)
Elenbaas, Willem. (See Holst, G., Elenbaas, and van Wyk.)
Ellis, Joseph A. (See Hondeville, A. L., and Ellis.)
Emanuell, Luigi, Milan, Italy, assignor to Società Italiana Pirelli. High tension electrical apparatus. 2,122,281; June 28.
Engel, Antonie J., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Manufacture of artificial silk. 2,122,092; June 28.
Engler, Max L., assignor to The General Tire & Rubber Company, Akron, Ohio. Punch. 2,122,368; June 28.
Ericksen, Erick, Astoria, Oreg. Hook. 2,121,908; June 28.
Erie Resistor Corporation. (See Sherk, Harold C., assignor.)
Essex, Jesse L. (See Nichols, A. S., and Essex.)
Etsel, Paul, Buffalo, N. Y. Hinge mounting for doors and the like. 2,121,700; June 28.
Eugene, Ltd. (See Finnegan, George B., Jr., assignor.)
Eugene Ltd. (See Suter, Eugène F., assignor.)
Ex-Cell-O Corporation. (See Snader, I. J., and Birkebak, assignors.)
Faber, John P., Dunellen, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Seal for rotary concrete mixing drums. 2,122,249; June 28.
Fellows Gear Shaper Company, The. (See Stubbs, Everard, assignor.)
Ferrier, Peter H., Brookfield, Ill. Combined steam and electric locomotive. 2,122,344; June 28.
Fields, Hubert, London, Ky. Fuel supplying means for brooder stoves. 2,122,314; June 28.
Finnegan, George B., Jr., Mountain Lakes, N. J., assignor to Eugene, Ltd., New York, N. Y. Permanent waving apparatus. 2,122,134; June 28.
Fischer, Maximilian J. (See Kruse, W., and Fischer.)
Fitchett, Thomas S., and H. B. Greenwood, assignors to F. X. Hooper Company, Inc., Glenarm, Md. Duplex cut-off. 2,122,031; June 28.
Flannery Bolt Company. (See Peirce, W. B., and Kouche, assignors.)
Fleischli, John A., and J. M. Kountzman, assignors to Cupples Company, Manufacturers, St. Louis, Mo. Apparatus for securing valve stems to rubber tubes. 2,121,957; June 28.
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Printing machine. 2,121,864; June 28.
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Ticket strip. 2,121,865; June 28.
Floyd, Henry G., assignor to The McVane Cast Iron Pipe Co., Birmingham, Ala. Horizontal core machine. 2,122,199; June 28.
Fogden, Frank T. (See Chase, Arthur A., assignor.)
Foley, Charles F., and C. W. Anklam, assignors to C. M. Hall Lamp Company, Detroit, Mich. Vehicle lamp. 2,122,342; June 28.
Foley Greenhouse Manufacturing Company, The. (See Foley, Philip J., Jr., assignor.)
Foley, Joseph H., Schenectady, N. Y., assignor to General Electric Company. Electric valve translating system. 2,122,282; June 28.
Foley, Philip J., Jr., River Forest, Ill., assignor to The Foley Greenhouse Manufacturing Company. Greenhouse construction. 2,122,005; June 28.
Fonda, Harold H., Skaneateles, assignor to Nye-Watt Company, Inc., Auburn, N. Y. Textile fabric and making the same. 2,121,909; June 28.
Food Machinery Corporation. (See Paxton, Gerald C., assignor.)
Fordham, Free. (See Beckwith, L. C., Leuschner, and Fordham.)
Forman, Laurence P., Oakmont, and W. Pancoast, Jeannette, assignors to American Window Glass Company, Pittsburgh, Pa. Manufacture of sheet glass. 2,121,958; June 28.
Fosty, Léopold, and T. Laurent, Belleview, and F. J. Laurent, Findlay, Manitoba, Canada. Fire escape. 2,122,315; June 28.
Four Wheel Auto Drive Company, The. (See Dodge, Harry B., assignor.)
Fourment, Marcel, Paris, France. Apparatus for conveying objects treated in continuously operating furnaces. 2,122,200; June 28.
Francis, Cyril J. (See Savage, L. F., and Francis.)
Frank, George H., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for roughening roll surfaces. 2,121,959; June 28.
Franks, Christopher J. (See Loughlin, W. D., and Franks.)
Frantz, Edna L., Slatington, Pa. Attachment for hair waving machines. 2,122,201; June 28.
Frederikson, Gunnar, Stockholm, Sweden. Cover for sinks provided with sprinkling means. 2,121,866; June 28.
Freeman, Antony P., San Francisco, Calif. Bucky grid and making same. 2,122,135; June 28.
Freimann, Frank, assignor to Electro-Acoustic Products Company, Fort Wayne, Ind. Carrying case for picture projecting apparatus. 2,121,910; June 28.
French, Alfred W., Jr., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Expressing press. 2,122,202; June 28.
French Oil Mill Machinery Company, The. (See French, Alfred W., Jr., assignor.)
Frick, William H., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Oven. 2,122,093; June 28.
Frink, Carl H., Clayton, N. Y. Wing crane for snow plows. 2,121,960; June 28.
Frink, Nelson S., Norwood, Mass., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Cork composition and method of making. 2,121,791; June 28.
Frontalini, Alfredo, Numana, Italy. Resounding-board for accordions. 2,122,094; June 28.
Fuller, Frederick L., West Orange, N. J., and S. Brand, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Combined printing and sorting machine. 2,122,136; June 28.
Gábor, Dénes, Rugby, England. Cathode ray device. 2,122,095; June 28.
Gains, Chester R., La Porte, Ind., assignor to American Timer Corporation. Selected time reminder. 2,122,057; June 28.
Gandrud, Ebenhard S., Pipestone, Minn. Land measuring instrument. 2,121,867; June 28.
Ganio, Otto, New York, N. Y. Pressing machine. 2,122,316; June 28.
Garand, John C., Springfield, Mass., assignor to the Government of the United States of America, as represented by the Secretary of War. Cartridge clip. 2,121,792; June 28.
Gaskell, Charles J., assignor to The Halloran Company, Memphis, Tenn. Boiler. 2,122,369; June 28.
Gassner, Sebastian, and B. Bienert, Leverkusen-I. G., Werk, Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Alkyloxy and aryloxy phthalocyanines. 2,122,137; June 28.
Gelder, Percy, Willowdale, Ontario, Canada. Reflecting safety device. 2,121,868; June 28.
General Aniline Works, Inc. (See Benade, Walther, assignor.)
General Aniline Works, Inc. (See Gassner, S., and Bienert, assignors.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Barwick, Emerson C., assignor.)
General Electric Company. (See Clark, Frank M., assignor.)
General Electric Company. (See Diedrich, Günther, assignor.)
General Electric Company. (See Foley, Joseph H., assignor.)
General Electric Company. (See Holst, G., Elenbaas, and van Wyk, assignors.)
General Electric Company. (See Tröger, Richard, assignor.)
General Electric Company. (See Welch, Alfred F., assignor.)
General Motors Corporation. (See Henney, Charles F., assignor.)
General Motors Corporation. (See Kearney, Lawrence J., assignor.)
General Motors Corporation. (See McCormack, Alex A., assignor.)
General Motors Corporation. (See Smith, Harry F., assignor.)
General Railway Signal Company. (See Bushnell, Charles S., assignor.)
General Railway Signal Company. (See De Long, Darrol F., assignor.)
General Railway Signal Company. (See Hormats, Myer, assignor.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
General Railway Signal Company. (See Judge, Thomas J., assignor.)
General Railway Signal Company. (See Langdon, Andrew, assignor.)
General Railway Signal Company. (See Powell, Winfred T., assignor.)
General Railway Signal Company. (See Preston, Neil D., assignor.)
General Railway Signal Company. (See Reichard, Wade H., assignor.)
General Railway Signal Company. (See Wight, Sedgwick N., assignor.)
General Tire & Rubber Company, The. (See Engler, Max L., assignor.)
Gibson Patent Containers Ltd. (See Powell, Henry K.)
Gill, Alan F., Ottawa, Ontario, Canada. Traffic marking device. 2,121,961; June 28.



Glass, Alexander, assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Soundproof wall structure and structural member for use therein. 2,121,962; June 28.
Glover, John, Chicago, Ill., assignor, by mesne assignments, to Midway Chemical Co., Jersey City, N. J. Wall duster. 2,121,911; June 28.
Glover, John, Chicago, Ill., assignor, by mesne assignments, to Midway Chemical Co., Jersey City, N. J. Mop. 2,121,912; June 28.
Godoy, Humbert, Philadelphia, Pa. Display device. 2,122,250; June 28.
Goehler, Elmer E., assignor to Vortex Manufacturing Company, Portland, Oreg. Tank fitting. 2,122,227; June 28.
Goehler, Elmer E., assignor to Vortex Manufacturing Company, Portland, Oreg. Water heater. 2,122,228; June 28.
Gogan, Joseph, Lakewood, Ohio. Continuous hardness tester. 2,122,203; June 28.
Golf, Kenneth E., Minneapolis, Min. Cover for steering wheel rims. 2,121,963; June 28.
Goldberg, Max W., and W. W. Driessen, Port Washington, Wis. Covered ladle. 2,122,032; June 28.
Gopperton, Ardath A. (See Sherman, J. Q., and Gopperton.)
Gora, Henry, Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y. Jar ring lathe. 2,122,204; June 28.
Goshorn, John C., and P. O. Rockwell, Baltimore, Md. Absorbents for hydrogen sulphide. 2,121,793; June 28.
Government of the United States, as represented by the Secretary of Commerce. (See Dahlgren, Edwin H., assignor.)
Government of the United States of America, as represented by the Secretary of War. (See Garand, John C., assignor.)
Graham, Tom S. (See Campbell, H. W., and Graham.)
Grant, Albert E., New York, N. Y. Electric connecter plug. 2,122,058; June 28.
Grauel, Ernest H. (See Harrison, T. R., Grauel, and Kessler.)
Grece, Harry H., Detroit, Mich. Lubricated dust guard. 2,122,343; June 28.
Green, Samuel G., Gray, Ga. Cartridge guide and stop for machine guns. 2,121,794; June 28.
Greenawalt, William E., Dallas, Tex. Flywheel brake. 2,121,869; June 28.
Greene, Howard H., Oklahoma City, Okla. Weight and line indicator. 2,121,870; June 28.
Greenwood, Henry B. (See Fitchett, T. S., and Greenwood.)
Gundlfinger, Karl. (See Hebel, M., and Gundlfinger.)
Hackney, H. Hamilton, et al. (See Raymond, Joseph, assignor.)
Haikias, Theodore. (See West, Claude J., assignor.)
Hall, C. M., Lamp Company. (See Foley, C. F., and Anklam, assignors.)
Hall, James C. (See Smith, W., Hall, and Barton.)
Hall, Mitchell A., Fort Thomas, Ky. Coin controlled switch apparatus. 2,122,357; June 28.
Hallenbeck, Charles V., Denver, Colo. Jaw crusher plate. 2,122,033; June 28.
Halloran Company, The. (See Gaskell, Charles J., assignor.)
Halpine, Charles G., Washington, D. C. Spin recovery device. 2,121,795; June 28.
Ham, John, San Francisco, Calif. Air release means and combination in railway air-brake system. 2,121,774; June 28.
Hamilton, Joe W., assignor of forty-five per cent to R. J. Hamilton, Los Angeles, Calif. Stop motion for knitting machines. 2,121,964; June 28.
Hamilton, Reynolds J. (See Hamilton, Joe W., assignor.)
Handley, Arthur H. (See Neale, Edgar W., and Handley.)
Hansen, Martin, Ventura, Calif. Garment clasp. 2,122,138; June 28.
Hanagirg, Fritz, Korea, Chosen, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Refining of metals. 2,122,139; June 28.
Hanson, Harry M., assignor to The Kennedy Car Liner & Bag Co., Shelbyville, Ind. Case liner. 2,122,317; June 28.
Harbatreit, Charles B. (See Tolen, E. V., and Harbstreit.)
Harger, Donald K., Hermosa Beach, and H. I. Wolff, Albany, assignors to Standard Oil Company of California, San Francisco, Calif. Refining oil. 2,122,059; June 28.
Harris-Seybold-Potter Company. (See Valiquette, William L., assignor.)
Harris, William A., Nutley, N. J., assignor to Radio Corporation of America. Frequency converter. 2,122,283; June 28.
Harrison, Thomas R., Wyncote, E. H. Grauel, Conshohocken, and J. E. Kessler, assignors to The Brown Instrument Company, Philadelphia, Pa. Slide wire resistance. 2,122,370; June 28.
Hartmann, Henry M., assignor to Hartmann, Inc., Garfield, N. J. Securing decorative effects on leather or similar goods. 2,122,251; June 28.
Hartmann, Inc. (See Hartmann, Henry M., assignor.)
Hartog, Stephen D., Normandy, Mo. Container valve. 2,121,913; June 28.
Havens, Glenn G., Detroit, Mich., assignor to United States Rubber Products, Inc., New York, N. Y. Tire tread. 2,121,871; June 28.
Hawk, Robert M. (See Schnase, A. J., and Skinner, assignors.)
Hawks, William K., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Brake cylinder assembly and making same. 2,122,371; June 28.
Hayes, Nell G., Bridgeport, Conn. Wire connecter. 2,122,252; June 28.
Hazel-Atlas Glass Company. (See Sisson, Orta D., assignor.)
Hazell, Eardley, New York, N. Y., and A. W. Keen, Passaic, N. J., assignors to United States Rubber Products, Inc., New York, N. Y. Manufacture of articles from plastics. 2,121,872; June 28.
Hebel, Martin, Hechendorf-on-Pilsensee, Oberbayern, and K. Gundlfinger, Frankfort-on-the-Main, Germany. Telegraph printer. 2,121,873; June 28.
Helnitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft Chemnitz, Germany. Narrowing device for flat knitting machines. 2,122,344; June 28.
Helbich, Josef E., Seattle, Wash. Projectile. 2,121,796; June 28.
Henkel & Cie G. m. b. H. (See Colonius, H., and Weides, assignors.)
Henley Extrusion Machine Company Limited. (See Dunsheath, Percy, assignor.)
Henney, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating method and apparatus. 2,122,140; June 28.
Herbeck, Charles J., Cedar Rapids, Iowa, assignor to The Air Preheater Corporation, New York, N. Y. Air preheater. 2,122,176; June 28.
Herbig Haarhaus Aktiengesellschaft. (See Conrad, Werner, assignor.)
Heumader, Otto, St. Joseph, Mo. Differential driving mechanism. 2,122,284; June 28.
Heventex Corporation. (See Crockett, James B., assignor.)
Hewitt Rubber Corporation. (See Berman, M., and Brockner, assignors.)
Highberg, George A. (See Sloan, H. E., and Highberg.)
Hill, C. Y., and Company. (See MacMaster, Frank D., assignor.)
Himebaugh, Clayton D., Burr Oak, Mich. Lawn mower sharpener. 2,121,965; June 28.
Hinds, George E. (See Olin, J. F., and Hinds.)
Hobby, Hampton L., Princeton, Ky. Adjustable locomotive seat. 2,122,345; June 28.
Hodgkins, Albert A., Providence, R. I., assignor to Universal Gear Shift Corporation, New York, N. Y. Servomotor. 2,121,874; June 28.
Hoe, R., & Co. (See Huck, William F., assignor.)
Hokanson, Martin, assignor to Eldco, Inc., Duluth, Minn. Drill bit. 2,121,914; June 28.
Holland, Hal B., assignor, by mesne assignments, of one-fifth to J. Powell, Praise, Ky. Transcript or note holder. 2,121,797; June 28.
Holmes, William I., Hyattsville, Md., assignor to Washington Institute of Technology, Inc., Washington, D. C. Stop mechanism. 2,122,096; June 28.
Holophane Company, (See Rolph, T. W., and Logan, assignors.)
Holst, Gilles, W. Elenbaas, and A. van Wyk, Eindhoven, Netherlands, assignors to General Electric Company. Electrical discharge device. 2,122,285; June 28.
Holthaus, Eugene F., assignor to Inviz-a-Grip Company, Los Angeles, Calif. Garment holder. 2,122,141; June 28.
Holzwarth Gas Turbine Co. (See Meininghaus, Ulrich, assignor.)
Hondeville, August I., Merced, and J. A. Ellis, assignors to Serv-A-Towel Manufacturing Company, San Francisco, Calif. Towel service cabinet. 2,122,060; June 28.
Hooper, F. X., Company. (See Fitchett, T. S., and Greenwood, assignors.)
Hooper, James E., Ruxton, Md., and H. T. Atno, Cedar Knolls, N. J.; said Hooper assignor to Wm. E. Hooper & Sons Company. Boat fender. 2,122,372; June 28.
Hooper, Wm. E., & Sons Company. (See Hooper, J. E., assignor, and Atno.)
Honpe, Edgar, Amsterdam, Netherlands, assignor to St. Regis Paper Company, New York, N. Y. Multiwall bag of paper or similar material. 2,122,061; June 28.
Honpe, Edgar, Amsterdam, Netherlands, assignor to St. Regis Paper Company, New York, N. Y. Forming a valve bag. 2,122,062; June 28.
Hormats, Myer, assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 2,122,373; June 28.
Horn, Ernst, Nuremberg, Germany. Toy airplane. 2,122,346; June 28.
Horsman, Harold M., East Riverdale, Md., assignor to Washington Institute of Technology, Inc., Washington, D. C. Balancing means for modulators. 2,122,097; June 28.
Horowitz, Alexandre. (See Volz, H. F., Horowitz, and De Groot.)
Hovde, Chester A., Mesa, Ariz. Power operated depth control for disk plows. 2,122,286; June 28.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 2,121,798; June 28.
Howell, Hugh A., Berwyn, assignor to Frank Raffeg, Chicago, Ill. Making cast permanent magnets. 2,121,799; June 28.

Huck, William F., Richmond Hill, assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Forming printing plates. 2,122,142; June 28.

Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Plate shaving machine. 2,122,143; June 28.

Huehn, Werner. (See Dohse, H., and Hüehn.)

Hughes, A. Evan. (See Sloan, Harry, assignor.)

Hughes-Mitchell Processes Incorporated. (See Sessions, R. L., and Mitchell, assignors.)

Hughes, Walter, Long Beach, Calif. Hole straightening or reaming bit. 2,122,063; June 28.

Hultman, Maynard R., Pittsburgh, Pa. Reconditioning old books and ledgers. 2,121,800; June 28.

Hume, James W., Jackson, Mich. Wheel balancer. 2,122,064; June 28.

Hume, James W., Jackson, Mich. Wheel balancing unit. 2,122,065; June 28.

Humphreys, David M., Pittsburgh, Pa. Highway signal. 2,122,253; June 28.

Hygrade Sylvania Corporation. (See McCarthy, Henry J., assignor.)

I. G. Farbenindustrie Gesellschaft. (See Alles, Richard, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Dohse, H., and Huehn, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Lederle, E., and Brill, assignors.)

I-T-E Circuit Breaker Company. (See Scott, William M., Jr., assignor.)

Ifield, Richard J., Coventry, England. Differential or balance mechanism. 2,121,915; June 28.

Ilg, Anton. (See Schürch, F., and Ilg.)

Illinois Clay Products Company, The. (See Nichols, A. S., and Essex, assignors.)

Imperial Chemical Industries Limited. (See Piggott, Henry A., assignor.)

Industrial Patents Corporation. (See Davis, Elmer M., assignor.)

International Business Machines Corporation. (See Fuller, F. L., and Brand, assignors.)

Invis-a-Grip Company. (See Holthaus, Eugene F., assignor.)

Ivers Lee Company. (See Salfisberg, Leroy L., assignor.)

Jackle, Johann, Detroit, Mich. Hinge. 2,122,034; June 28.

Jacobsen, Morris H. L., Guilford, Conn., assignor to American Telephone and Telegraph Company. Combined guide and guard for wires. 2,121,916; June 28.

Jacobson, Conrad C., Glen Ridge, N. J., assignor to John Robertson Company, Incorporated, Brooklyn, N. Y. Molding synthetic resins and like plastic materials. 2,121,906; June 28.

Jameson, John B. (See Matson, Carl A., assignor.)

Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Knitting machine yarn housing structure. 2,122,098; June 28.

Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Stocking display device and the like. 2,122,144; June 28.

Jeffrey, Carl J., assignor of one-fourth to F. P. Voter and E. Schuler, Laurel, Nebr. Device for laying pipe. 2,122,099; June 28.

Jenkins Bros. (See Gora, Henry, assignor.)

Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Making brushes. 2,122,318; June 28.

Johnston, Stanley. (See Stewart, David H., assignor.)

Jolly, Colin, Coogee, J. W. Archibald, D. Hill, and H. J. Solomon, Sydney, New South Wales, Austria. Dewooling machine. 2,122,006; June 28.

Josephson, Gustave A., Everett, Wash. Meter reading recorder. 2,122,319; June 28.

Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,121,801; June 28.

Kahn, Robert J., Chicago, Ill. Pressure cooker and mold. 2,122,320; June 28.

Kaptuller, Alexander F., assignor to Allied Engineering Company, Chicago, Ill. Roller skate. 2,122,066; June 28.

Katzberg, William J., Glen Ellyn, Ill., assignor to H. N. Anderson, Lakewood, Ohio. Coupling for tubes. 2,122,205; June 28.

Kear, Frank G., Minersville, Pa., G. L. Davies, Cleveland, Ohio, and W. H. Orton, assignors to Washington Institute of Technology, Inc., Washington, D. C. Radio communication system. 2,122,145; June 28.

Kearney, Lawrence J., assignor to General Motors Corporation, Detroit, Mich. Mounting for hinges or the like. 2,122,007; June 28.

Keefe, Lincoln M., Springfield, Mass., assignor to Remington Rand Inc., Buffalo, N. Y. Translator for record controlled machines. 2,122,206; June 28.

Keen, Alexis W. (See Hazell, E., and Keen.)

Kellogg, Edward W., Moorestown, N. J., assignor to Radio Corporation of America. Recording and reproduction of sound. 2,122,207; June 28.

Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Windshield construction. 2,122,321; June 28.

Kennedy Car Liner & Bag Co., The. (See Hanson, Harry M., assignor.)

Kepper, Henry, Voorburg, Netherlands, assignor to The Dorr Company, Inc., New York, N. Y. Thickening, stirring, or agitating apparatus. 2,122,287; June 28.

Kern, Rudolf, Oschatz, Germany, assignor to the firm Chemische Fabrik R. Baumheier Kommanditgesellschaft Oschatz-Zschollau. Coloring and water-proofing textile material. 2,122,100; June 28.

Kessler, John E. (See Harrison, T. R., Grauel, and Kessler.)

Kewaskum Aluminum Company. (See Rosenheimer, Adolph L., Jr., assignor.)

Kidwell, John C. (See Kidwell, Robert A. and J. C.)

Kidwell, Robert A. and J. C., Fairmont, W. Va. Roller rack. 2,122,322; June 28.

Kimball, Vernon R. (See Dirkes, R. F., and Kimball.)

King, Walter. (See Lawrence, Joseph L., assignor.)

Kingston Products Corporation. (See Douglas, Harry A., assignor.)

Klein, Victor G., assignor to Lincoln Engineering Company, St. Louis, Mo. Injector. 2,122,177; June 28.

Kleinstuck, C. Hubbard, executor. (See Crane, Augustus W.)

Kleist, Dale, and J. H. Thomas, Newark, Ohio, assignors to Owens-Illinois Glass Company. Method and apparatus for strengthening fibers. 2,121,802; June 28.

Knote, John M., assignor to Quigley Company, Inc., South River, N. J. Making cellular refractory bodies. 2,122,288; June 28.

Kobre, Benjamin. (See Carroll, Joseph, assignor.)

Kohlhagen, Walter, assignor to The Waterbury Clock Company, Waterbury, Conn. Self-starting synchronous electric motor. 2,122,374; June 28.

Könnuling, Leo G. A., Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,121,967; June 28.

Kouche, Nicholas J. (See Peirce, W. B., and Kouche.)

Kountzman, Joseph M. (See Fleischil, J. A., and Kountzman.)

Kovac, Rudolph, assignor to American Automatic Devices Co., Chicago, Ill. Lamp. 2,122,375; June 28.

Kranich, Henry O., and H. M. Dodge, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for use in the cutting of plastic sheeting. 2,122,254; June 28.

Krantz, Hubert, and A. Simons, and H. Buysch, assignors to firm H. Krantz Söhne, Aachen, Germany. Finishing planiform textile fabrics. 2,122,146; June 28.

Kreidl, Ignaz, Vienna, Austria. Making phenol, cresol, or the like resins. 2,121,917; June 28.

Kremer, William. (See Best, W. F., and Kremer.)

Kress, Ralph H., Lawrence, assignor to Patent Protection Corporation, Lowell, Mass. Rim release oil clutch. 2,122,067; June 28.

Kristee Manufacturing Company, The. (See Creighton, Olin C., assignor.)

Kruse, Walter, and M. J. Fischer, assignors to C. Angelmi, Leipzig, Germany. Sterilizing and disinfecting. 2,121,875; June 28.

Kuehl, Edward E., Verdigre, Nebr. Fish ladder. 2,121,968; June 28.

La Barbera, Mariano, New York, N. Y. Cool smoking pipe. 2,122,255; June 28.

Laird, Alfred W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Mold. 2,121,969; June 28.

Lambotey, H. J., et al. (See Sacker, Frank, assignor.)

Lamp, William F., Spokane, Wash. Trap. 2,122,147; June 28.

Land, Edwin H., Wellesley Farms, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J. Diffusing light polarizer. 2,122,178; June 28.

Landreth, Morton L., Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coin controlled apparatus. 2,121,970; June 28.

Landreth, Morton L., Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coin controlled apparatus. 2,121,971; June 28.

Langdon, Andrew, Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 2,121,803; June 28.

Lange, Allert, Park Ridge, Ill. Dental tray. 2,122,101; June 28.

Lannon, James J. (See Petersen, Anker, assignor.)

Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Oxidized plunger and spring. 2,121,804; June 28.

Larson, Godfrey W., Kansas City, Mo., assignor to Standard Oil Company, Chicago, Ill. Tube heater. 2,122,035; June 28.

Lasch, Werner, Waldenburg-Dittersbach, Germany. Seat. 2,122,347; June 28.

Laurent, Frank J. (See Fosty, Léopold, and T., and F. J. Laurent.)

Laurent, Théophile. (See Fosty, Léopold and T., and F. J. Laurent.)

Lawrence, Joseph L., assignor to W. King, San Francisco, Calif. Filling machine. 2,122,148; June 28.

Leach, Charles H., Roselle, N. J. Heat exchange apparatus. 2,122,256; June 28.

Leary, James J., Philadelphia, Pa. Window including inwardly swinging sash. 2,121,805; June 28.

Leathers, Ward, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y. Agitator top for vacuum cleaner filters. 2,122,179; June 28.

Lederle, Ekbert, Ludwigshafen-on-the-Rhine, and R. Brill, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Synthetic spinels. 2,122,180; June 28.





Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Vehicle body mounting. 2,121,876; June 28.

Legendre, Ernest, Fitchburg, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Display card. 2,122,289; June 28.

Leighton, John W., Port Huron, Mich. Independent wheel suspension. 2,121,806; June 28.

Leighton, John W., Port Huron, Mich. Independent wheel suspension. 2,121,807; June 28.

Leighty, Elroy H., Seattle, Wash. Beater. 2,121,918; June 28.

Leuschner, Richard D. (See Beckwith, L. C., Leuschner, and Fordham.)

Lewis, Everett V., Richmond, Va., and S. W. Brainard, Buffalo, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial thread and preparing same. 2,122,290; June 28.

Libbey-Owens-Ford Glass Company. (See Kranich, H. O., and Dodge, assignors.)

Libbey-Owens-Ford Glass Company. (See Louviaux, Leon I., assignor.)

Libbey-Owens-Ford Glass Company. (See Morris, Joseph R., assignor.)

Lincoln Engineering Company. (See Barks, Frank S., assignor.)

Lincoln Engineering Company. (See Klein, Victor G., assignor.)

Lindburg, Carl E., assignor to K. I. Willis Corporation, Moline, Ill. Elevator cup. 2,122,036; June 28.

Link, Karl P., C. G. Niemann, and R. H. Roberts, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Purification and separation of starch. 2,121,919; June 28.

Linsell, Alfred A., London, England, assignor to Radio Corporation of America. Ultrahigh frequency electron discharge modulator. 2,121,877; June 28.

Linton, Merwyn B., Tyler, Tex., assignor to The Lubrication Corporation, Chicago, Ill. Portable grease gun. 2,121,972; June 28.

Lippold, Adolph J., assignor to Cherry-Burrell Corporation, Milwaukee, Wis. Bottle filling mechanism. 2,122,149; June 28.

Lippold, Adolph J., Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill. Stabilizer. 2,122,150; June 28.

Lipton, Ruby, New York, N. Y. Hat fastener. 2,121,973; June 28.

Lissauer, Adolph W., assignor to Louisville Drying Machinery Company, Incorporated, Louisville, Ky. Utilization of waste gases. 2,122,037; June 28.

Liverance, Frank E., Jr., Grandville, Mich. Starter control. 2,122,038; June 28.

Lobbenberg, Hans, Cologne, Germany. Device for fastening corsets. 2,122,323; June 28.

Locker, Maurice, Manchester, England. Caster for sugar or other granular or powdered substances. 2,121,878; June 28.

Loehr, Leslie K., and W. E. Burdick, assignors to The Startomatic Corporation, Los Angeles, Calif. Automatic starting system for engines. 2,121,974; June 28.

Logan, Henry L. (See Rolph, T. W., and Logan.)

Logue, Leland H., assignor to Denver Patent Company, Denver, Colo. Pulsating jig. 2,122,039; June 28.

Lorents, Valentin, Dolzschen, near Dresden, assignor to "Beco" Maschinenfabrik G. m. b. H., Dresden, Germany. Tobacco cutting device. 2,121,879; June 28.

Loughlin, William D., Mountain Lakes, and C. J. Franks, Denville, N. J., assignors to Radio Corporation of America. Multirange coupling circuit. 2,122,257; June 28.

Louisville Drying Machinery Company. (See Lissauer, Adolph W., assignor.)

Louviaux, Leon I., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting table. 2,122,258; June 28.

Lubrication Corporation, The. (See Linton, Merwyn B., assignor.)

Lubrication Corporation, The. (See Taylor, George O., assignor.)

Lubrication Corporation, The. (See Tear, Harry R., assignor.)

Lubri-Zol Development Corporation, The. (See Prutton, Carl F., assignor.)

Ludwig Mfgy. Co, Inc. (See Dahnert, Theodore C., assignor.)

Luethke, John, Guttenberg, N. J. Metallic window frame. 2,122,151; June 28.

Luhn, Hans P., New York, N. Y. Apparatus for determining and indicating variations in thickness of thread or the like. 2,122,152; June 28.

Lundell, Torsten A., Appelviken, Sweden. Electric signaling system. 2,122,102; June 28.

Lundgren, Jacob, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Balancing apparatus. 2,122,391; June 28.

Lyle, Aaron K. (See Bailey, J., and Lyle.)

Lyle, Georgia, Hockley County, Tex. Button fastener. 2,122,208; June 28.

Machovec, Fred J., Monterey, Calif. Step. 2,122,040; June 28.

Macleans Limited. (See Rumball, Frederick W., assignor.)

Macleod, Cameron, et al., trustees. (See Stanton, Avery H., assignor.)

MacLeod, Eldon, et al., trustees. (See Stanton, Avery H., assignor.)

McMaster, Frank D., Ewing Township, Mercer County, assignor to C. V. Hill and Company, Incorporated, Trenton, N. J. Refrigerated display case and the like. 2,122,209; June 28.

Mahrström, Anton G., Gothenburg, Sweden. Carburetor. 2,122,348; June 28.

Mallory, Marion, Detroit, Mich. Internal combustion engine. 2,121,920; June 28.

Mallory, Marion, Detroit, Mich. Internal combustion engine. 2,121,921; June 28.

Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of high viscosity cellulose esters. 2,121,808; June 28.

Manhattan Company, President and Directors of the. (See Powell, Henry K., assignor.)

Manning Laboratories. (See McAuliffe, Joseph M., assignor.)

Marasco, Marshall, University City, Mo. Method and product of shoe-construction. 2,122,041; June 28.

March Automatic Irrigation Company. (See Wilson, Charles O., assignor.)

Marsico, Ernesto, and A. Albini, Vandergrift, Pa. Toy. 2,122,103; June 28.

Marsters, Ernest R., Boston, and H. S. Bird, Belmont, Mass. Signal light. 2,122,008; June 28.

Martin, Frank M. (See Edes, F. R., and Martin.)

Martin, William C., Boston, Mass. Pipe wrench. 2,122,104; June 28.

Marty, Adam, et al. (See Sacker, Frank, assignor.)

Mason-Neilan Regulator Company. (See Stanton, Avery H.)

Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Process and apparatus for continuous drying of fiber board under pressure. 2,122,376; June 28.

Masonite Corporation. (See Mason, William H., assignor.)

Mathieson Alkali Works, Inc., The. (See Cunningham, George L., assignor.)

Matson, Carl A., Swampscott, Mass., assignor of one-half to J. B. Jameson, Concord, N. H. No-roll-back brake for automobiles. 2,122,009; June 28.

Mattucci, Anthony O., Chicago, Ill. Combination cellaret cocktail table. 2,122,042; June 28.

Mauser, Karl W., Waldeck, Germany. Metal container. 2,122,105; June 28.

McAuliffe, Joseph M., assignor to Manning Laboratories, Kelso, Wash. Applicator. 2,122,234; June 28.

McCann, M. F. (See Sloan, William H., assignor.)

McCarthy, Henry J., Danvers, assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge tube. 2,122,377; June 28.

McCormack, Alex A., assignor to General Motors Corporation, Dayton, Ohio. Resilient yielding material. 2,122,378; June 28.

McCullough, Paul J., assignor to J. Pavelka, Sr., St. Louis, Mo. Car stop. 2,121,775; June 28.

McDermott, Wallace C., Washington, D. C. Garment hanger rack. 2,122,324; June 28.

McKee Glass Company. (See Black, Harold M., assignor.)

McKenna, William R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Filter press. 2,122,259; June 28.

McManus, Charles E., Spring Lake, N. J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Composition cork and making same. 2,121,809; June 28.

McManus, Charles E., Spring Lake, N. J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Cork composition and making same. 2,121,810; June 28.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and dyeing therewith. 2,121,811; June 28.

McWane Cast Iron Pipe Co. (See Floyd, Henry G., assignor.)

Mead, Richard R., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 2,121,975; June 28.

Meharg, Jim B., Kennett, Mo. Hairpin. 2,122,106; June 28.

Meininghaus, Ulrich, Mulheim-Ruhr, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Apparatus for charging constant volume explosion chambers. 2,121,812; June 28.

Meller, Louis J., and K. H. Miner, Huntington Park, Calif.; said Miner assignor to said Meller. Protecting three-phase apparatus. 2,122,107; June 28.

Mergenthaler Linotype Company. (See Mead, Richard R., assignor.)

Meyers, Gilbert R., assignor to Trouzer Meter Inc., Fort Wayne, Ind. Measure. 2,122,068; June 28.

Michelson, Carl, Klamath Falls, Oreg. Tool rack for meat blocks. 2,122,069; June 28.

Midway Chemical Co. (See Glover, John, assignor.)

Mikeska, Louis A., and C. A. Cohen, Elizabeth, N. J., assignors to Standard Oil Development Company. Increasing the oiliness value of lubricating oils and lubricating oils prepared by such method. 2,121,976; June 28.

Miles, James T., Hamlin, Tex. Safety egg-laying nest. 2,122,340; June 28.
Milk Processes, Inc. (See Wendt, Herman D., assignor.)
Millard, Loren D., assignor to Murray Iron Works Company, Burlington, Iowa. Turbine. 2,122,235; June 28.
Miller, Ernest F., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling apparatus. 2,122,210; June 28.
Miller, Swift, Wauwatosa, assignor to E. R. Wagner Manfacturing Company, Milwaukee, Wis. Carpet sweeper. 2,121,880. June 28.
Mills, John, Jr., Auburn, Wash. Exhaust nozzle. 2,122,211; June 28.
Miner, James S. (See Miner, William E. and J. S.)
Miner, Keith H. (See Meller, L. J., and Miner.)
Miner, William E., Meridian, Miss., and J. S. Miner, Shreveport, La., assignors to Simonds Saw and Steel Co., Worcester County, Mass. Saw. 2,122,196; June 28.
Mitchell, Courtney N., Berea, Ohio. Internal combustion engine. 2,121,813; June 28.
Mitchell, Courtney N., Strongsville, Ohio. Hydraulic check. 2,121,814; June 28.
Mitchell, Donald C. (See Sessions, R. L., and Mitchell.)
Mitchell, James A., Indianapolis, Ind. Powder and puff box. 2,122,350; June 28.
Modlin, Elmer D., Litchfield, Ill. Shoe heel. 2,122,108; June 28.
Moloney, Raymond T. (See Chouinard, Alfred F., assignor.)
Monsanto Chemical Company. (See Sibley, Robert L., assignor.)
Moore, Landon C., Dallas, and A. C. Norman, deceased, by S. S. Norman, executrix, New Boston, Tex. Deodorizing and bleaching oils. 2,122,260; June 28.
Morris, Joseph E., Pasadena, Calif. Parking meter. 2,122,351; June 28.
Morris, Joseph R., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting apparatus. 2,122,261; June 28.
Morrison, Frank A., et al., trustees. (See Stanton, Avery H., assignor.)
Morrison, Willard L., Lake Forest, Ill. Automobile. 2,121,815; June 28.
Mortier, Henri, Clichy, France. Relay for fuel gauges. 2,121,816; June 28.
Motor Products Corporation. (See Kellogg, Homer G., assignor.)
Murray Iron Works Company. (See Millard, Loren D., assignor.)
Meyer, George, et al. (See Raymond, Joseph, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Vingerhoets, Antonius W., assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Volz, R. F., Horowitz, and De Groot, assignors.)
Nampa, Sulo M., Detroit, Mich., assignor to Transportation Systems, Inc., Tulsa, Okla. Hand operated truck body. 2,121,922; June 28.
Nast, Paul H., Claremont, N. H., assignor to Sullivan Machinery Company. Punching mechanism. 2,121,817; June 28.
Nast, Paul H., Claremont, N. H., assignor to Sullivan Machinery Company. Punching mechanism. 2,121,818; June 28.
National Cash Register Company, The. (See Kömmling, Leo G. A., assignor.)
National Lock Company. (See Wade, W., and North, assignors.)
Nauert, Carl H. (See Pleasant, H. E., and Nauert.)
Neale, Edgar W., Quinton, Birmingham, and A. H. Handley, Northfield, Birmingham, England. Hand guard for rotary cutters. 2,122,109; June 28.
Nergaard, Leon S., East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Vacuum thermocouple. 2,122,262; June 28.
Nestle-Lemur Company, The. (See Rohland, Curt J., assignor.)
Neubert, Herbert, assignor to J. E. Reinecker Aktiengesellschaft, Chemnitz, Germany. Milling machine. 2,121,923; June 28.
Newell, Robert E., assignor to Robertshaw Thermostat Company, Youngwood, Pa. Temperature control system. 2,121,977; June 28.
Newlin, Henry J., Birmingham, England. Spraying apparatus. 2,121,924; June 28.
Newton, Howard L., Wauwatosa, assignor to Pressed Steel Tank Company, Milwaukee, Wis. Device for securing heads to barrels. 2,121,881; June 28.
Nichols, Arthur S., Oak Park, and J. L. Essex, La Grange, assignors to The Illinois Clay Products Company, Joliet, Ill. Well drilling fluids. 2,122,236; June 28.
Nichols, James D. (See Nichols, Paul G. and J. D.)
Nichols, Paul G. and J. D., Riverton, Ky. Spike puller. 2,122,212; June 28.
Niemann, Carl G. (See Link, K. P., Niemann, and Roberts.)
Norddeutsche Seekabelwerke Aktiengesellschaft. (See Studt, Ernst, assignor.)
Norman, Arthur C. (See Moore, L. C., and Norman.)
Norman, Smithia S., executrix. (See Moore, L. C., and Norman.)
North, Edwin. (See Wade, W., and North.)
Nye-Walt Company. (See Fonda, Harold H., assignor.)
Oakes & Burger Co. (See Wolf, Frank F., assignor.)
O'Brien, Brian, Rochester, N. Y. Electrode. 2,121,882; June 28.
Oczko, Marion K., Johnstown, N. Y. Unhairing roll. 2,121,925; June 28.
Ohio Corrugating Company, The. (See Vaughn, Harold G., assignor.)
Oles, John St., Detroit, Mich. Vibration damper. 2,121,819; June 28.
Olin, John F., and G. E. Hinds, Grosse Ile, Mich., assignors to The Sharples Solvents Corporation, Philadelphia, Pa. Halogenation of aliphatic alcohols. 2,122,110; June 28.
Oliver, Alfred J., Milford, Mass. Orthodontic model former. 2,122,213; June 28.
Olsen, Tinius, Testing Machine Company. (See Lundgren, Jacob, assignor.)
Örström, Gustaf, Alsten, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden. Machine for closing bags. 2,121,926; June 28.
Orton, William H. (See Kear, F. G., Davies, and Orton.)
Otis Elevator Company. (See Dunn, Edward L., assignor.)
Owens-Illinois Glass Company. (See Kleits, D., and Thomas, assignors.)
Page Displays, Inc. (See Page, Frank C. B., assignor.)
Page, Frank C. B., assignor to Page Displays, Inc., New York, N. Y., Advertising device. 2,122,153; June 28.
Pancoast, William. (See Forman, L. P., and Pan coast.)
Parker, Louis W., Astoria, assignor to S. M. Saltzman, New York, N. Y. Intercommunicating system and apparatus therefor. 2,121,883; June 28.
Patent Protection Corporation. (See Kress, Ralph H., assignor.)
Patterson, Albert C., Roselle, N. J., assignor to Standard Oil Development Company. Cracking process. 2,121,978; June 28.
Paul, Julius, assignor of one-half to R. M. Sellwood, Duluth, Minn. Deep well pump. 2,121,927; June 28.
Pavelka, Joseph, Sr. (See McCullough, Paul J., assignor.)
Paxton, Gerald C., Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Box ejector. 2,121,820; June 28.
Paxton, Hale, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Box ejector. 2,121,821; June 28.
Payson Manufacturing Co., The. (See Smith, Harry, assignor.)
Peirce, William B., Pittsburgh, and N. J. Kouche, assignors to Flannery Bolt Company, Bridgeville, Pa. Staybolt and manufacturing the same. 2,121,979; June 28.
Pesturini, Joseph M., Grant City, Staten Island, N. Y. Electrical machine, of the kind called metadyne, operating at an adjustable constant speed. 2,122,237; June 28.
Peter, Albin, assignor to the firm Chemical Works formerly Sandoz, Basel, Switzerland. Anthraquinone dyestuffs and their manufacture. 2,121,928; June 28.
Petersen, Anker, Boston, assignor to J. J. Lannon, West Newton, Mass. Braiding machine. 2,122,291; June 28.
Petersen, Anker, Boston, assignor to J. J. Lannon, West Newton, Mass. Carrier for braiding machines. 2,122,292; June 28.
Petry, Joseph, Port Chester, N. Y. Stretching and fitting device. 2,121,822; June 28.
Phillips Petroleum Company. (See Thomas, Russell W., assignor.)
Phoenix Hosiery Company. (See Carley, Russell W., assignor.)
Piggott, Henry A., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of sulphonium compounds. 2,121,823; June 28.
Pinter, Frank V., assignor to Briggs Manufacturing Company, Detroit, Mich. Guard for scraper devices. 2,122,263; June 28.
Pleasant, Herman E., Grand Rapids, Mich., and C. H. Nauert, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Light fixture for cabinet structures. 2,122,293; June 28.
Poelman, Armand J. J., Saint-Maurice, and R. Schneider, Paris, France. Air filter. 2,122,111; June 28.
Poeymirou, Henri. (See Boudin, L., and Poeymirou.)
Pollard, John H., assignor of one-half to A. S. Barron and one-half to R. Burdick, Dallas, Tex. Producing characters. 2,122,043; June 28.
Pollitzer, Franz, Grosshesselohe, near Munich, Germany, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Process and apparatus for the separation of gas mixtures. 2,122,238; June 28.
Porter, Harry O., Anderson Township, Hamilton County, Ohio. Noose device. 2,122,264; June 28.
Potdevin Machine Company. (See Burroughs, Edwin E., assignor.)
Powell, Henry K., Chicago, Ill., assignor, by mesne assignments, to president and directors of the Manhattan Company, New York, N. Y., trustee for Gibson Patent Containers Ltd. Carton assembling mechanism. 2,122,044; June 28.
Powell, Joe. (See Holland, Hal B., assignor.)
Powell, Winfred T., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,122,112; June 28.
Powell, Winfred T., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Train describer system. 2,122,229; June 28.



Prasak, Emil, Elizabeth, N. J. Sewing machine. 2,121,884; June 28.
Prendes, Joaquina, New York, N. Y. Coin operated vending device. 2,122,265; June 28.
Pressed Steel Tank Company. (See Newton, Howard L., assignor.)
Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Train describer system. 2,122,358; June 28.
Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 2,122,379; June 28.
Prochaska, Carroll W., Mount Vernon, N. Y. Measuring apparatus. 2,121,980; June 28.
Productive Inventions, Inc. (See Bidwell, Earl E., assignor.)
Prudhomme, Eugène A., Kremlin-Bicetre, France, assignor, by mesne assignments, to Carboxhyd Ltd., Geneva, Switzerland. Process of and apparatus for manufacturing saccharose from formaldehyde. 2,121,981; June 28.
Prutton, Carl F., assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricants. 2,121,825; June 28.
Prutton, Carl F., Cleveland Heights, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricants. 2,121,824; June 28.
Pugsley, Edwin, assignor to Winchester Repeating Arms Company, New Haven, Conn. Try-gun outfit. 2,121,982; June 28.
Pullman-Standard Car Manufacturing Company. (See Shaver, Raymond M., assignor.)
Puppe, Heinz, Neunkirchen, Germany. Rolling mill. 2,121,929; June 28.
Quadrex Corporation. (See Leathers, Ward, assignor.)
Quick, John B., assignor of one-half to E. S. Clanton, Fresno, Calif. Combustible gas detecting system. 2,122,070; June 28.
Quigley Company. (See Knote, John M., assignor.)
R. C. Can Company. (See Rutkowski, Walter L., assignor.)
Radio Corporation of America. (See Bedford, Alda V., assignor.)
Radio Corporation of America. (See Harris, William A., assignor.)
Radio Corporation of America. (See Kellogg, Edward M., assignor.)
Radio Corporation of America. (See Linsell, Alfred A., assignor.)
Radio Corporation of America. (See Loughlin, W. D., and Franks, assignors.)
Radio Corporation of America. (See Nergaard, Leon S., assignor.)
Radio Corporation of America. (See Wagner, Herbert M., assignor.)
Raffles, Frank. (See Howell, Hugh A., assignor.)
Ragsdale, Earl J. W., Norristown, and C. B. Conwell, Narberth, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Mast. 2,122,380; June 28.
Ransome Concrete Machinery Company. (See Faber, John P., assignor.)
Rasmussen, Chester A., and C. R. Butler, assignors to Trobas, Inc., Long Beach, Calif. Casing head 2,122,071; June 28.
Ratajczak, Stephen. (See Stensy, August F. P., assignor.)
Ratti, Roger, assignor to firm Durand & Huguenin S. A., Basel, Switzerland. Producing stable sulphuric acid ester salts of leuco-vat-dyestuffs in dry state. 2,122,113; June 28.
Raymond, Joseph, Baltimore County, Md., assignor, by mesne assignments, to T. C. Daggett, H. H. Hackney, G. Myer, J. Raymond, and R. I. Welsh. Refrigerating method and apparatus. 2,122,381; June 28.
Reed Propeller Co., The. (See Chilton, Roland, assignor.)
Regan, John E., Elmhurst, assignor to Reynolds Metals Company, New York, N. Y. Tamperproof secondary closure. 2,122,294; June 28.
Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 2,122,382; June 28.
Reichmann, Reinhold, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Heating device and the like. 2,121,930; June 28.
Reid, Arthur A., Dickson City, Pa. Aircraft. 2,122,214; June 28.
Reinecker, J. E., Aktiengesellschaft. (See Neubert, Herbert, assignor.)
Reliance Manufacturing Company. (See Tolen, E. V., and Harbstreit, assignors.)
Remington Rand Inc. (See Keefe, Lincoln M., assignor.)
Rerick, George L., St. Petersburg, Fla. System for concrete constructions. 2,122,181; June 28.
Reynolds, Lloyd H. V., New York, N. Y. Heater for railway switches. 2,122,154; June 28.
Reynolds Metals Company. (See Regan, John E., assignor.)
Richter, Henry G., Westfield, N. J. Variable resistor. 2,121,983; June 28.
Rieger, Edward M., and M. A. Zurn, assignors to J. A. Zurn Manufacturing Company, Erie, Pa. Adjustable drain connection. 2,121,984; June 28.
Robaczynski, Ladislaus, Brooklyn, N. Y. Knitting machine. 2,122,239; June 28.
Roberts, Dudley, assignor to Rubatex Products, Inc., New York, N. Y. Door jamb. 2,121,826; June 28.
Roberts, Dudley, assignor to Rubatex Products, Inc., New York, N. Y. Stripping. 2,121,827; June 28.
Roberts, Ray H. (See Link, K. P., Niemann, and Roberts.)
Robertshaw Thermostat Company. (See Newell, Robert E., assignor.)
Robertson, Harold D., Vancouver, British Columbia, Canada. Shower bath. 2,121,985; June 28.
Robertson, John, Incorporated. (See Jacobson, Conrad C., assignor.)
Robinson, Preston, Williamston, and J. L. Collins, South Boston, assignors to Sprague Specialties Company, North Adams, Mass. Electrolytic device. 2,122,392; June 28.
Robinson, Preston, Williamston, and J. L. Collins, South Boston, assignors to Sprague Specialties Company, North Adams, Mass. Electrolytic device. 2,122,393; June 28.
Rockwell, Paul O. (See Goshorn, J. C., and Rockwell.)
Roesch, Frank P., Chicago, Ill., assignor, by mesne assignments, to Standard Stoker Company (1922), Inc., New York, N. Y. Locomotive and tender. 2,122,114; June 28.
Rogers, Addison J., Cleveland Heights, Ohio. Window structure. 2,122,182; June 28.
Rogers, Lunias L., Houston, Tex. Casket and hardware therefor. 2,121,885; June 28.
Rohland, Curt J., East Providence, R. I., assignor to The Nestle-Lemur Company, New York, N. Y. Making hair waving pads. 2,121,986; June 28.
Rolph, Thomas W., Newark, Ohio, and H. L. Logan, New Rochelle, assignors to Holophane Company, Inc., New York, N. Y. Luminair. 2,122,295; June 28.
Rose, Edwin L., and R. L. Tweedale, assignors to The Waterbury Tool Company, Waterbury, Conn. Power Transmission. 2,122,045; June 28.
Rosenberg, Kurt, Berlin, Germany, assignor, by mesne assignments, to American Epok Inc., New York, N. Y. Electrical arrangement for displaying pictures and communications. 2,121,987; June 28.
Rosenheimer, Adolph L., Jr., assignor to Kewaskum Aluminum Company, Kewaskum, Wis. Percolator. 2,122,046; June 28.
Rottler, Clarence T., Seattle, Wash. Automatic feed for boring bars. 2,122,072; June 28.
Rubatex Products, Inc. (See Roberts, Dudley, assignor.)
Rumball, Frederick W., Lulworth, The Fairway, Barnet Vale, assignor, by mesne assignments, to Macleans Limited, Brentford, England. Forming a collapsible container. 2,122,325; June 28.
Rummel, Roman, Vienna, Austria. Rotary blower, gas meter, liquid meter, rotary compressor, and rotary pump. 2,122,352; June 28.
Russell, Ronert C., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Brake. 2,122,296; June 28.
Rutkowski, Walter L., Normandy, assignor to R. C. Can Company, St. Louis, Mo. Combined powder container package and spray-gun. 2,122,230; June 28.
Sacker, Frank, assignor of seventy-five percent to A. Marty and twenty-five percent to H. J. Lamboley, Monroe, Wis. Animal restrainer. 2,121,828; June 28.
Sage, Walter P., Los Angeles, Calif. Bamboo rake. 2,122,359; June 28.
Saelen, Erling J. O., Bergen, Norway. Electrically illuminated fish lure. 2,122,215; June 28.
St. John, Alfred, Manchester, N. H. Spark plug. 2,122,015; June 28.
St. Regis Paper Company. (See Hoppe, Edgar, assignor.)
Salerni, Marie T. E. (See Salerni, Piero M., assignor.)
Salerni, Piero M., Westminster, England, assignor to M. T. E. Salerni, Nice, France. Hydraulic power transmission apparatus. 2,122,353; June 28.
Salfisberg, Leroy L., South Orange, assignor to Ivers Lee Company, Newark, N. J. Metal container. 2,121,988; June 28.
Saltzman, S. M. (See Parker, Louis W., assignor.)
Sandoval y Campdera, José M., and M. F. de C. Cuadrado, Seville, Spain. Electric lamp plug connecter base and socket. 2,121,886; June 28.
Sargent, Sullivan A., Jr., et al., trustees. (See Stanton Avery H., assignor.)
Saunders, Harold F., Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Weather resistant pigment. 2,122,297; June 28.
Sauvage, Herbert J., Chicago, Ill. Match comb conveyer or carrier. 2,122,047; June 28.
Savage, Lawrence F., and C. J. Francis, London, England. System for the reception and reproduction of sound. 2,122,010; June 28.
Schaefer, Frederic, Pittsburgh, Pa. Self-locking key. 2,122,073; June 28.
Scheineman, Fred W. (See Adams, C. E., and Scheineman.)
Schlatt, George, New York, N. Y. Screen door. 2,122,155; June 28.
Schleede, Arthur. (See Schröter, F., and Schleede.)
Schnase, Arthur J., and H. S. Skinner, assignors of one-third to R. M. Hawk, Chicago, Ill. Combined handle grip and weapon. 2,121,989; June 28.
Schneider, Robert. (See Poelman, A. J. J., and Schneider.)
Schnell, Fred W., New York, N. Y. Rotary brush. 2,122,326; June 28.

Schnell, William J., Berwyn, assignor to Electrical Research Laboratories Inc., Chicago, Ill. Radio tuning indicator. 2,122,328; June 28.

Schnell, William J., Berwyn, assignor to Electrical Research Laboratories Inc., Chicago, Ill. Radio tuning indicator. 2,122,329; June 28.

Schoenbeck, Friederich, Berlin-Biesenthal, and E. Czapp, Berlin, Germany. Dental filling composition. 2,122,011; June 28.

Scholts, Clarence A., Minneapolis, Minn. Reflecting sign. 2,122,156; June 28.

Schröter, Fritz, Berlin, and A. Schleede, Leipzig, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Television. 2,121,990; June 28.

Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Heinitz, Woldemar, assignor.)

Schuler, Earl, et al. (See Jeffrey, Carl J., assignor.)

Schürch, Frida, and A. Ilg, Zurich, Switzerland. Flatiron support. 2,122,354; June 28.

Schwartz, Francis H. (See Soss, J., and Schwartz.)

Schwartz, Henry W. Mart, Tex. Combination door hinge and control. 2,122,327; June 28.

Schwarmer, Fritz, Berlin-Schoneberg, Germany. Stepwise tuning of electric circuits. 2,122,183; June 28.

Schwarzkopf, Paul, Reutte, Austria, assignor to The American Cutting Alloys, Inc., New York, N. Y. Hard metal alloy, especially for tools. 2,122,157; June 28.

Schwenden, Carl A. (See Seaman, R. H., and Schwenden.)

Scott, Ashton T. (See Brown, C. R., and Scott.)

Scott, Charles H., Queens Village, assignor to The Dorr Company, Inc., New York, N. Y. Sedimentation apparatus (automatic lifting arm). 2,122,383; June 28.

Scott, Charles H., Queens Village, assignor to The Dorr Company, Inc., New York, N. Y. Sedimentation apparatus. 2,122,384; June 28.

Scott, Charles H., Queens Village, assignor to The Dorr Company, Inc., New York, N. Y. Sedimentation apparatus (long and short torque arms). 2,122,385; June 28.

Scott, William M., Jr., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Bus bar assembly. 2,122,298; June 28.

Scrivener, Arthur, Birmingham, England. Grinding machine. 2,122,184; June 28.

Seamen, Richard H., Los Angeles, and C. A. Schwenden, Alhambra, assignors of forty percent to said Seaman, forty percent to W. T. Wells, Glendale, and twenty percent to L. Spencer, Los Angeles, Calif. Advertising sign. 2,121,829; June 28.

Seamless Rubber Company. (See Seys, John O., assignor.)

Seawell, Joseph M., Richmond, Va. Bulk material dispensing device. 2,122,216; June 28.

Segal, Hyman R., assignor to Segal Safety Razor Corporation, New York, N. Y. Receptacle. 2,122,158; June 28.

Segal Safety Razor Corporation. (See Segal, Hyman R., assignor.)

Sellwood, R. M. (See Paul, Julius, assignor.)

Seln, Frank E. (See Carel, Marjorie E., assignor.)

Serv-A-Towel Manufacturing Company. (See Hondeville, A. L., and Ellis, assignors.)

Servel, Inc. (See Pleasant, H. E., and Nauert, assignors.)

Servel, Inc. (See Ulfstrand, Hugo M., assignor.)

Sessions, Royal L., Inglewood, and D. C. Mitchell, Los Angeles, Calif., assignors to Hughes-Mitchell Processes Incorporated, Denver, Colo. Sulphating an ore material. 2,121,887; June 28.

Seys, John O., Chicago, Ill., assignor to The Seamless Rubber Company, Inc., New Haven, Conn. Base plate for baseball diamonds. 2,122,266; June 28.

Shapiro, Joseph M., New York, N. Y. Facial and toilet tissue holder. 2,122,048; June 28.

Sharples Solvents Corporation, The. (See Olin, J. F., and Hinds.)

Sharples Specialty Company, The. (See Brown, C. R., and Scott, assignors.)

Shaver, Raymond M., Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Welded draft sill assembly. 2,122,159; June 28.

Sheet Polarizer Company. (See Land, Edwin H., assignor.)

Sheet Polarizer Company. (See Wheelwright, George W., 3d, assignor.)

Sherk, Harold C., assignor to Erie Resistor Corporation, Erie, Pa. Resistor. 2,122,160; June 28.

Sherman, John Q., and A. A. Gopperton, Dayton, Ohio; said Gopperton assignor to said Sherman. Portable registering device. 2,121,830; June 28.

Sherwin-Williams Company, The. (See Saunders, Harold F., assignor.)

Sherwin-Williams Company, The. (See Sterba, Melvin J., assignor.)

Sibley, Robert L., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company. Animal dip. 2,122,389; June 28.

Siemens & Halske, Aktiengesellschaft. (See Reichmann, Reinhold, assignor.)

Simmons, Ruth D., Los Angeles, Calif. Tool-actuating apparatus. 2,121,831; June 28.

Simonds Saw and Steel Co. (See Miner, William E. and J. S., assignors.)

Simons, Aloys. (See Krantz, H., Simons, and Buysch.)

Simpson, Clarence E., Springfield, Mass. Mechanism for and method of rifling gun barrels. 2,121,832; June 28.

Sirp, Emil, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coin controlled apparatus. 2,121,991; June 28.

Sisson, Orta D., Oakland, Calif., assignor to Hasel-Atlas Glass Company, Wheeling, W. Va. Cleaning sand. 2,122,217; June 28.

Skinner, Harry S. (See Schnase, A. J., and Skinner.)

Slikker, Dirk, assignor to American Enka Corporation, Enka, N. C. Stop mechanism for reeling machines. 2,122,115; June 28.

Sloan, Harry, St. Louis County, assignor of one-half to A. E. Hughes, Overland, Mo. Dispensing top. 2,122,299; June 28.

Sloan, Harry E., Hartford, and G. A. Highberg, West Hartford, assignors to The Cushman Chuck Company, Hartford, Conn., Chuck. 2,122,360; June 28.

Sloan, William H., Washington, D. C., assignor of one-half to M. F. McCann, Seale, Ala. Pumping apparatus. 2,121,931; June 28.

Slocum, Herbert H., assignor of one-half to J. W. Storfold, Seattle, Wash. Rotary press. 2,121,932; June 28.

Smith, Albert A., Jr., Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Welding lead and lead alloys. 2,122,185; June 28.

Smith, Francis P., Jr., Mamaroneck, N. Y., and H. B. Smith, Leesburg, N. J. Boat and similar vehicle. 2,122,300; June 28.

Smith, Harry Leytonstone, London, England, assignor to The Payson Manufacturing Co., Chicago, Ill. Regulator for the closing of two hinged parts. 2,122,162; June 28.

Smith, Harry F., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,122,161; June 28.

Smith, Harry F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,122,012; June 28.

Smith, Harry F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,122,013; June 28.

Smith, Henry B. (See Smith, Francis P., Jr., and H. B.)

Smith, Herman C., Whittier, Calif. Underreamer. 2,121,888; June 28.

Smith, Walter G. L., Los Angeles, Calif. Replaceable molded rubber mat. 2,122,240; June 28.

Smith, William, J. C. Hall, London, and J. B. Barton, Surrey, England. Motion picture claw feed apparatus. 2,121,933; June 28.

Snader, Ira J., and C. A. Birkebak, Detroit, Mich., assignors to Ex-Cell-O Corporation. Diamond turning machine for forming pistons of elliptical shape. 2,121,934; June 28.

Sneed, John, Grosse Pointe Shores, Mich. Clutch. 2,122,218; June 28.

Società Italiana Pirelli. (See Emanueli, Lugi, assignor.)

Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Boudin, L., and Poeymirou, assignors.)

Söhne, H. Krantz. (See Krants, H., Simons, and Buysch, assignors.)

Solomon, Herbert J. (See Jolly, C., Archibald, and Solomon.)

Sortore, Emerson J. See Wheeler, E. R., and Sortore.)

Soss, Joseph, and F. H. Schwartz, Roselle, N. J.; said Schwartz assignor to said Soss. Long throw concealed hinge. 2,122,301; June 28.

Soule, Leslie, et al., trustees. (See Stanton, Avery H., assignor.)

Souscdik, Josef, Moravia, Czechoslovakia. Automatic friction brake. 2,121,889; June 28.

Southworth, Edward, Portland, Maine. Round-cornering machine. 2,122,186; June 28.

Spalde Shirt Company. (See Allme, Carl T., assignor.)

Spencer, Lloyd, et al. (See Seaman, R. H., and Schwenden, assignors.)

Spicer, Gerald E., St. Albans, England. Magnetically controlled advertising, educational, or amusement device. 2,122,116; June 28.

Sprague Specialties Company. (See Robinson, P., and Collins, assignors.)

Sprigings, David A., assignor to Standard Container, Inc., Bloomfield, N. J., Can. 2,121,890; June 28.

Sproul, Donald F., Chicago, Ill., assignor to Cardwell-Westinghouse Company. Draft gear. 2,121,833; June 28.

Sproul, Donald F., Chicago, Ill., assignor to Cardwell-Westinghouse Company. Selective travel draft gear. 2,121,834; June 28.

Sproul, Donald F., Chicago, Ill., assignor to Cardwell-Westinghouse Company. Bolster spring unit. 2,121,835; June 28.

Standard Container, Inc. (See Sprigings, David A., assignor.)

Standard-I. G. Company. (See Tilton, Joshua A., assignor.)

Standard Oil Company. (See Adams, C. E., and Scheineman, assignors.)

Standard Oil Company. (See Larson, Godfrey W., assignor.)

Standard Oil Company. (See Voorhees, Vanderveer, assignor.)





Standard Oil Company of California. (See Harger, D. K., and Wolff, assignors.)

Standard Oil Development Company. (See Mikeska, L. A., and Cohen, assignors.)

Standard Oil Development Company. (See Patterson, Albert C., assignor.)

Standard Stoker Company (1922). (See Roesch, Frank P., assignor.)

Stanton, Avery H., Dedham, assignor to E. Macleod, F. A. Morrison, C. Macleod, L. Soule, and S. A. Sargent, Jr., trustees, doing business as Mason-Neilan Regulator Company, Boston, Mass. Control mechanism for paper making machines. 2,122,362; June 28.

Staples, Otis E., assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio. Hobbing machine. 2,122,219; June 28.

Stark, Edward A., Waldport, Oreg. Safety device. 2,122,049; June 28.

Startomatic Corporation, The. (See Loehr, L. K., and Burdick, assignors.)

Staudinger, Hanns P. (See Auden, H. A., Staudinger, and Eaglesfield.)

Steinberger, Alfred J., Jamaica, N. Y., assignor to Celanese Corporation of America. Wearing apparel. 2,121,836; June 28.

Steinfeld, Hans K., Aldan, Pa., assignor to Baldwin-Southwark Corporation. Air conditioning apparatus. 2,121,837; June 28.

Stellner, John A., Mansfield, S. Dak. End gate. 2,122,014; June 28.

Stenzy, August F. P., assignor of thirty per cent to S. Ratajczak, Baltimore, Md. Torque and speed increasing gearing. 2,122,330; June 28.

Sterba, Melvin J., Riverside, Ill., assignor, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Purification of titanium fluoride solutions. 2,121,992; June 28.

Stetson, George W., Hingham, Mass. Liquid level regulator. 2,121,891; June 28.

Stevenson, Ralph A., San Marino, Calif. Sewage treatment process. 2,122,074; June 28.

Stewart, David H., Los Angeles, Calif., assignor to S. Johnston, Pittsburgh, Pa. Sound operated dice machine. 2,121,838; June 28.

Stiner, George F., Victor, Colo. Gasoline meter for internal combustion engines. 2,121,892; June 28.

Stocks, Christopher R., Sacramento, Calif. Cord reel for stand lamps. 2,121,993; June 28.

Stokes, William W., assignor to Washington Chocolate Company, Seattle, Wash. Production of caramel coatings and the like. 2,122,016; June 28.

Storfold, John W. (See Slocum, Herbert H., assignor.)

Strain, Daniel E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacturing polymerization products. 2,121,839; June 28.

Stringer, Louis C., Chicago, Ill., assignor to Electronic Supply Corp. Reconditioning electronic unit. 2,122,117; June 28.

Strzalkowski, Charles, Milwaukee, Wis. Stop feed plug for textile knitting machines. 2,121,994; June 28.

Stuart, Fred W., Cincinnati, Ohio. Retard air control for stokers. 2,122,050; June 28.

Stubbs, Everard, assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear generation. 2,121,840; June 28.

Studt, Ernst, assignor to Norddeutsche Seekabelwerke Aktiengesellschaft, Nordenham, Oldenburg, Germany. Submarine cable. 2,122,118; June 28.

Sullivan Machinery Company. (See Nast, Paul H., assignor.)

Suter, Eugène F., assignor to Eugene Ltd., New York, N. Y. Permanent waving apparatus. 2,122,163; June 28.

Swart, Leland K., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Amplifying system. 2,121,935; June 28.

Tadewald, Albert O., La Crosse, Wis. Automatic speed and vacuum controlling device. 2,122,331; June 28.

Tangeman, Fred, Madison, Wis. Carton filling device. 2,122,302; June 28.

Taylor, George O., Cicero, assignor to The Lubrication Corporation, Chicago, Ill. Fillet piston packing. 2,121,995; June 28.

Tea, Clark A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Weather strip. 2,121,893; June 28.

Tear, Harry R., Evanston, assignor to The Lubrication Corporation, Chicago, Ill. Lubricating device. 2,121,996; June 28.

Technical Oil Tool Corporation. (See Culbertson, Joe W., assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, F., and Schleede, assignors.)

Textile Machine Works. (See Janssen, Henry, assignor.)

Thibert, Napoleon E., Worcester, Mass. Straining liquids. 2,122,119; June 28.

Thode, Martin H., Guler, Wash. Antiglare shield mounting and operating means therefor. 2,122,120; June 28.

Thomas, John H. (See Kleist, D., and Thomas.)

Thomas, Roswell W., Detroit, Mich., assignor to Phillips Petroleum Company, Bartlesville, Okla. Combination excess flow and check valve. 2,121,936; June 28.

Thorold, Frederick W., Niagara Falls, N. Y. Method and apparatus for grading articles. 2,122,075; June 28.

Tichota, Lumir J. and R. V., Dodge, Nebr. Oil pan assembling device. 2,121,937; June 28.

Tichota, Rudolph V. (See Tichota, Lumir J. and R. V.)

Tikulsky, Francis P., La Grange Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article forming apparatus. 2,121,997; June 28.

Tillotson, Joseph H., Colusa, Calif. Surgical aspirated drainage cup. 2,122,121; June 28.

Tilton, Joshua A., Baton Rouge, La., assignor to Standard-I. G. Company. Kerosene. 2,121,998; June 28.

Toledo Automatic Brush Machine Company, The. (See Jobst, Conrad, assignor.)

Tolen, Earl V., and C. B. Harbstreit, Bedford, Ind., assignors to Reliance Manufacturing Company, Chicago, Ill. Neck band forming apparatus. 2,122,303; June 28.

Torjussen, Karl, Brooklyn, N. Y. Submarine lifeboat. 2,121,894; June 28.

Toward, William. (See Toward, William and A.)

Toward, William, Poland Mines, and A. Toward, Eighty-four, Pa. Electric power apparatus. 2,121,895; June 28.

Transportation Systems, Inc. (See Nampa, Sulo M., assignor.)

Trépaud, Georges, La Rochelle, France. Vertical heat exchanger. 2,121,999; June 28.

Trobas, Inc. (See Rasmussen, C. A., and Butler, assignors.)

Tröger, Richard, Berlin-Zehlendorf-Mitte, Germany, assignor to General Electric Company. Control system for electric valve apparatus. 2,122,304; June 28.

Trouser Meter Inc. (See Meyers, Gilbert R., assignor.)

Turner, Grover C., Oklahoma City, Okla. Door retainer. 2,122,220; June 28.

Tweed, Frederick H., assignor to The Dole Valve Company, Chicago, Ill. Dispenser for carbonated drinks. 2,121,841; June 28.

Tweedale, Ralph L. (See Rose, E. L., and Tweedale.)

Ulfstrand, Hugo M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,122,361; June 28.

Union Carbide and Carbon Corporation. (See Pollitzer, Frans, assignor.)

United Shoe Machinery Corporation. (See Wagner, Harry E., assignor.)

Union Steel Products Company. (See Bitney, Dewey H., assignor.)

United States Rubber Products, Inc. (See Eger, Ernst, assignor.)

United States Rubber Products, Inc. (See Havens, Glenn G., assignor.)

United States Rubber Products, Inc. (See Hazell, E., and Keen, assignors.)

Universal Gear Shift Corporation. (See Hodgkins, Albert A., assignor.)

Utah Radio Products Company. (See Barrett, Edward L., assignor.)

Valiquette, William L., Dayton, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Set-up table. 2,122,221; June 28.

Van Buskirk, Edward C., South Pasadena, assignor to D. L. Williams, Glendale, Calif. Handle. 2,122,164; June 28.

Van Wyk, Aart. (See Holst, G., Elenbaas, and van Wyk.)

Vaughn, Harold G., assignor to The Ohio Corrugating Company, Warren, Ohio. Container. 2,121,842; June 28.

Vaughn, Harold G., assignor to The Ohio Corrugating Company, Warren, Ohio. Sealing means. 2,121,843; June 28.

Vecchio, Orazio, Philadelphia, Pa. Clothes hanger. 2,122,305; June 28.

Victor Chemical Works. (See Woodstock, Willard H., assignor.)

Vinette, George H. (See Campbell, H. A., and Vinette.)

Vingerhoets, Antonius W., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Device for automatic interruption of radiation. 2,122,222; June 28.

Vollenweider, Charles W. (See Baird, Warren W., assignor.)

Vollrath, Harold B., Bronxville, N. Y. Chemical apparatus. 2,122,187; June 28.

Vollrath, Harold B., Bronxville, N. Y. Manufacturing viscose. 2,122,188; June 28.

Volz, Rudolf F., A. Horowitz, and A. J. W. De Groot, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Radio control device. 2,122,306; June 28.

Von Dollen, Harold M., Omaha, Nebr. Movable tab for file wrappers. 2,122,223; June 28.

Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Fueling system. 2,122,076; June 28.

Vortex Manufacturing Company. (See Goehler, Elmer E., assignor.)

Voter, F. P., et al. (See Jeffrey, Carl J., assignor.)

Wade, William, Chicago, and E. North, assignors to National Lock Company, Rockford, Ill. Venetian blind. 2,122,224; June 28.

Wagner, E. R., Manufacturing Company. (See Miller, Swift, assignor.)

Wagner, Harry E., Endicott, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Insole and making the same. 2,121,938; June 28.
Wagner, Herbert M., Newark, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Tuning indicator circuits. 2,122,267; June 28.
Wagner, Herbert M., Newark, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Tuning indicator tube. 2,122,268; June 28.
Wagner, Herbert M., Newark, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Tuning indicator tube. 2,122,269; June 28.
Wall, Ayana L., Cleveland, Ohio. Roofing construction. 2,122,077; June 28.
Ward, Michael, South Orange, N. J. Flush valve. 2,122,160; June 28.
Washington Chocolate Company. (See Stokes, William W., assignor.)
Washington Institute of Technology, Inc. (See Davies, Gomer L., assignor.)
Washington Institute of Technology, Inc. (See Holmes, William L., assignor.)
Washington Institute of Technology, Inc. (See Horsman, Harold M., assignor.)
Washington Institute of Technology, Inc. (See Kear, F. G., Davies, and Orton, assignors.)
Waterbury Clock Company, The. (See Kohlhagen, Walter, assignor.)
Waterbury Tool Company, The. (See Rose, E. L., and Tweedale, assignors.)
Weatherhead Company, The. (See Hawks, William K., assignor.)
Weir, G. & J., Limited. (See Bennett, James A. J., assignor.)
Weissenburg, Andrew, Philadelphia, Pa., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Composition and making same. 2,121,844; June 28.
Welch, Alfred F., Fort Wayne, Ind., assignor to General Electric Company. Timer motor. 2,122,307; June 28.
Weldes, Friedrich. (See Colonius, H., and Weldes.)
Wellington Sears Company. (See Coulter, Charles P., Jr., assignor.)
Wells, Walter T., et al. (See Seaman, R. H., and Schwenden, assignors.)
Wells, William F., Minneapolis, Minn. Pencil sharpener. 2,122,386; June 28.
Welsh, Robert L., et al. (See Raymond, Joseph, assignor.)
Wendt, Ada R., administratrix. (See Wendt, Herman D.)
Wendt, Charles A., Milwaukee, Wis. Clothes rack. 2,122,190; June 28.
Wendt, Herman D., deceased, West Chester, by A. R. Wendt, administratrix, Coudersport, assignor to Milk Processes, Inc., Philadelphia, Pa. Cream process and product. 2,121,890; June 28.
Wernicke, Erich A., Hamburg, Germany. Producing clear light-colored, water-soluble sulphonation products of mineral oil. 2,121,845; June 28.
West, Claude J., assignor, by mesne assignments, to T. Halkias, Philadelphia, Pa. Resilient ironing surface. 2,122,165; June 28.
Western Electric Company. (See Barrett, Elliott P., assignor.)
Western Electric Company. (See Bocksch, Walter A., assignor.)
Western Electric Company. (See Borland, Carl A., assignor.)
Western Electric Company. (See Frank, George H., assignor.)
Western Electric Company. (See Laird, Alfred W., assignor.)
Western Electric Company. (See Landreth, Morton L., assignor.)
Western Electric Company. (See Sirp, Emil, assignor.)
Western Electric Company. (See Tikalsky, Francis P., assignor.)
Western Union Telegraph Company, The. (See Dirkes, E. F., and Kimball, assignors.)
Western Union Telegraph Company. (See Wheeler, E. R., and Bertore, assignors.)
Westinghouse Electric & Manufacturing Company. (See Miller, Ernest F., assignor.)
Westman, Carl J. F., Stockholm, Sweden. Ship's sidelight. 2,122,106; June 28.
Wheeler, Evan R., North Plainfield, and E. J. Sortore, Metuchen, N. J., assignors to Western Union Telegraph Company, New York, N. Y. Stock selecting and indicating system. 2,122,387; June 28.
Wheeling Steel Corporation. (See Conner, Guy O., assignor.)
Wheelwright, George W., 3rd, Dover, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J. Signaling device employing polarized light. 2,122,225; June 28.
Whitehead Brothers Rubber Company. (See Barnard, Harold, assignor.)
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 2,121,846; June 28.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 2,121,847; June 28.
Wilder, George H., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pigmentation of resinous condensation products. 2,122,270; June 28.
Wilkerson, Herman W., Hearne, Tex. Tire demounting unit. 2,122,388; June 28.
Willard Storage Battery Company. (See Altmayer, Frank, assignor.)
Williams, Charles G., Fairfield, Conn., assignor to American Chain & Cable Company, Inc. Wire fabric. 2,121,939; June 28.
Williams, Dora L. (See Van Buskirk, Edward C., assignor.)
Williams, Dorothy C. (See Williams, Fred S., assignor.)
Williams, Frank I., assignor to American Tool and Machine Company, Hyde Park, Mass. Control apparatus. 2,122,017; June 28.
Williams, Fred S., assignor to D. C. Williams, Trumbull, Conn. Posture meter. 2,122,078; June 28.
Willis, K. I., Corporation. (See Lindburg, Carl E., assignor.)
Wilson, Charles O., North Muskegon, assignor to March Automatic Irrigation Company, Muskegon, Mich. Sprinkler. 2,122,079; June 28.
Winchester Repeating Arms Company. (See Pugsley, Edwin, assignor.)
Winters, Alfred G., Flint, Mich. Indicator. 2,121,848; June 28.
Wisconsin Alumni Research Foundation. (See Link, K. P., Niemann, and Roberts, assignors.)
Wisdom, George P., Longview, Tex. Automatic well flow control. 2,122,080; June 28.
Wittenberg, Lester, New Rochelle, assignor to The Barrett Company, New York, N. Y. Expansion joint. 2,122,167; June 28.
Wolf, Frank F., assignor to Oakes & Burger Co., Inc., Cattaraugus, N. Y. Can washing machine. 2,122,018; June 28.
Wolff, Franklyn J., Trenton, N. J. Closet bowl. 2,121,940; June 28.
Wolff, Harold I. (See Harger, D. K., and Wolff.)
Wood, Jess M., Windom, Minn. Power take-off device for automobile trucks and tractors. 2,121,897; June 28.
Woodstock, Willard H., Chicago Heights, Ill., assignor to Victor Chemical Works. Water softener. 2,122,122; June 28.
Woolley, Clarence M., assignor to American Radiator Company, New York, N. Y. Air heating assembly. 2,122,108; June 28.
Wright, Edward H. (See Bixby, Butler L., assignor.)
Wurdel, Günther, assignor to Apparatebau Gesellschaft Neumann & Borm Kommanditgesellschaft, Berlin, Germany. Sound transmitting apparatus. 2,121,941; June 28.
Wursinger, Maximilian J., Fresno, Calif. Boring apparatus. 2,122,332; June 28.
Wyman, Walter A., Los Angeles, Calif. Combination comb and instrument case. 2,122,226; June 28.
Young, Royal A., Walsh, Colo. Sign. 2,121,898; June 28.
Zolotnitsky, Mischa, Paris, France. Powder puff forming a receptacle. 2,122,123; June 28.
Zotos, Georg, Berlin, Germany. Withdrawing materials from high-speed rotary furnaces. 2,122,170; June 28.
Zurn, J. A., Manufacturing Company. (See Rieger, E. M., and Zurn, assignors.)
Zurn, Melvin A. (See Rieger, E. M., and Zurn.)


# LIST OF REISSUE INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 28TH DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ice formation, System for preventing detrimental. A. Swan and W. Helmore. Re. 20,775; June 28.
Material, Method of and apparatus for curling strand. R. F. Sedgley. Re. 20,774; June 28.
Oscillations of crankshafts, Means adapted to reduce the torsional. R. R. R. Sarazin. Re. 20,773; June 28.
Soap having a definite water content, Producing. B. Clayton. Re. 20,772; June 28.

# LIST OF DESIGN INVENTIONS

Barrel for mechanical pencil or similar article. R. Back. 110,265; June 28.
Bootee. L. J. Epstein. 110,244; June 28.
Bottle. R. Guerlain. 110,302; June 28.
Bottle. N. F. Stauer. 110,262; June 28.
Bottle and container therefor, Combined. O. S. Garry and P. M. Brown. 110,245; June 28.
Box, Display. A. Neumann. 110,266; June 28.
Brassière. I. B. Peckney. 110,316; June 28.
Brooch or similar article. G. Verrecchio. 110,296; June 28.
Cabinet and display screen, Combined storage. A. S. Carman. 110,269; June 28.
Camera or similar article. G. Keade and P. J. Brownscombe. 110,323; June 28.
Casing, Flashlight. W. W. Cargill. 110,267; June 28.
Casing, Flashlight. W. P. Coleman. 110,270; June 28.
Clip, Pin. A. Philippe. 110,290–3; June 28.
Coat. J. Henschel. 110,247; June 28.
Coat. J. Henschel. 110,308; June 28.
Counter, Service bar. A. J. Stephens. 110,261; June 28.
Cover, Chair pad. M. Caplan. 110,309; June 28.
Cuff link. W. J. Morse. 110,299; June 28.
Dental equipment unit. H. Dreyfuss. 110,276; June 28.
Dispenser, Package. G. W. Knipple. 110,304; June 28.
Dolly or similar article. G. H. Shamyer. 110,318; June 28.
Dress. H. Berry. 110,300; June 28.
Dress. T. Coleman. 110,311–13; June 28.
Dress. P. Fracchia. 110,314; June 28.
Dress. A. Rebhuhn. 110,317; June 28.
Dress. V. Tomashinsky. 110,306; June 28.
Dress. B. Weinstein. 110,320; June 28.
Fabric, Embroidered textile. B. F. Eisinger. 110,301; June 28.
Fabric or the like, Textile. A. Hafner. 110,324–332; June 28.
Fabric, Textile. J. Antkies. 110,236; June 28.
Fabric, Textile. L. J. Brenner. 110,307–8; June 28.
Fabric, Textile. W. Cohen. 110,310; June 28.
Fabric, Textile. V. Gantner. 110,315; June 28.
Flashlight. R. G. Williams. 110,298; June 28.
Flatiron. L. I. Bruce, Jr. 110,266; June 28.
Flowerpot or analogous article. E. P. Krehbiel. 110,286; June 28.
Frame, Clothes drying. H. H. French. 110,322; June 28.
Glove. I. Steinberger. 110,310; June 28.
Goblet or similar article. A. J. Cunningham. 110,272–3; June 28.
Handbag. S. R. Goldsmith. 110,282; June 28.
Handbag frame or similar article. B. Wachs. 110,297; June 28.
Handle for knives, forks, and similar articles. R. C. Goodrich. 110,283; June 28.
Hat. N. Dubow. 110,243; June 28.
Hat. M. Marks. 110,254; June 28.
Heater. B. B. Kahn. 110,285; June 28.
Holder, Casket flower. H. C. Robinson. 110,260; June 28.
Holder, Collar. I. J. Hopfenberg. 110,284; June 28.
Holder, Combined lapel pin and match book. L. H. Thomas. 110,295; June 28.
Holder, Cravat. B. R. Zeman. 110,299; June 28.
Holder, Spoon. F. A. Speik. 110,294; June 28.
Lamp. C. A. Swanson and O. A. Hokanson. 110,263; June 28.
Lamp and fish bowl, Combination. H. F. Crewse. 110,271; June 28.
Massager or the like, Face. F. N. Lewis. 110,252; June 28.
Milling machine knee. J. B. Armitage. 110,237; June 28.
Panel, Electric fence controller. S. A. Moore. 110,287–8; June 28.
Pennant-like device. F. L. Ogg. 110,257; June 28.
Piano. W. Zaiser. 110,264; June 28.
Projector, Motion picture. E. Boecking. 110,240; June 28.
Rack, Magazine. H. B. Churchill. 110,269; June 28.
Shade, Lamp. V. Nemeroff. 110,255; June 28.
Shoe. J. E. Andrews. 110,235; June 28.
Shoe. A. Hurzeler. 110,248; June 28.
Shoe. D. Levin. 110,249–51; June 28.
Shoe or similar article. B. Benjamin. 110,238–9; June 28.
Shorts. J. Melville. 110,253; June 28.
Slipper. G. Del Re. 110,242; June 28.
Sorting device. R. H. Chambers. 110,241; June 28.
Spectacle front. J. J. Pomeranz. 110,259; June 28.
Stamp or similar article, Merchants' discount. J. L. Ellman. 110,321; June 28.
Stand, Dental equipment. H. Dreyfuss. 110,274–5; June 28.
Stand, Dental equipment. H. Dreyfuss. 110,277; June 28.
Stand for perfume bottles or the like, Display. S. Schain. 110,305; June 28.
Thermometer. L. Guild. 110,246; June 28.
Tumbler. B. D. Fuerst. 110,278–81; June 28.
Watchcase. B. Ogush. 110,258; June 28.

# LIST OF INVENTIONS

FOR WHICH

## PATENTS WERE ISSUED ON THE 28TH DAY OF JUNE, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorbents for hydrogen sulphide. J. C. Goshorn and F. O. Rockwell. 2,121,793; June 28.
Accordions. Resounding-board for. A. Frontalini. 2,122,094; June 28.
Acid ester salts of leuco-vat-dyestuffs in dry state, Producing stable sulphuric. R. Ratti. 2,122,113; June 28.
Advertising device. F. C. B. Page. 2,122,153; June 28.
Advertising, educational, or amusement device, Magnetically controlled. G. E. Spicer. 2,122,116; June 28.
Advertising sign. R. H. Seaman and C. A. Schwenden. 2,121,820; June 28.
Air conditioning apparatus. H. K. Steinfeld. 2,121,837; June 28.
Air control for stokers, Retard. F. W. Stuart. 2,122,050; June 28.
Aircraft. A. A. Reid. 2,122,214; June 28.
Air filter. A. J. J. Poelman and R. Schneider. 2,122,111; June 28.
Air heating assembly. C. M. Woolley. 2,122,168; June 28.
Airplane running light. F. C. Breckenridge. 2,121,783; June 28.
Air preheater. C. J. Herbeck. 2,122,176; June 28.
Air release means and combination in railway air-brake system. J. Ham. 2,121,774; June 28.
Alcohols, Dehydrating aqueous. G. L. Cunningham. 2,121,954; June 28.
Alcohols, Halogenation of aliphatic. J. F. Olin and G. E. Hinds. 2,122,110; June 28.
Alloy especially for tools, Hard metal. P. Schwarzkopf. 2,122,167; June 28.
Amplifying system. L. K. Swart. 2,121,935; June 28.
Animal restrainer. F. Sacker. 2,121,828; June 28.
Apparatus for conveying objects treated in continuously operating furnaces. M. Fourment. 2,122,200; June 28.
Apparatus for mixing and reacting purposes. O. B. Brown. 2,122,173–4; June 28.
Apparatus for use in the cutting of plastic sheeting. H. O. Kranich and H. M. Dodge. 2,122,254; June 28.
Apparel, Wearing. A. J. Steinberger. 2,121,836; June 28.
Applicator. J. M. McAuliffe. 2,122,234; June 28.
Article forming apparatus. F. P. Tikalsky. 2,121,997; June 28.
Articles from plastics, Manufacture of. E. Hazell and A. W. Keen. 2,121,872; June 28.
Articles, Method and apparatus for grading. F. W. Thorold. 2,122,075; June 28.
Automobile. W. L. Morrison. 2,121,815; June 28.
Azo compounds and dyeing therewith. J. G. McNally and J. B. Dickey. 2,121,811; June 28.
Bag: *See*—
  Carrying bag. Sleeping bag.
  Hat and hand-bag.
Bag for hot or cold packs. M. E. Carel. 2,122,001; June 28.
Bag, Forming a valve. E. Hoppe. 2,122,062; June 28.
Bag for paper or similar material, Multiwall. E. Hoppe. 2,122,061; June 28.
Balancing apparatus. J. Lundgren. 2,122,391; June 28.
Balancing means for modulators. H. M. Horsman. 2,122,097; June 28.
Ball, Making a golf. A. W. Crane. 2,122,279; June 28.
Band forming apparatus, Neck. E. V. Tolen and C. B. Harberelt. 2,122,303; June 28.
Bar assembly, Bus. W. M. Scott, Jr. 2,122,298; June 28.
Base plate for baseball diamonds. J. O. Seys. 2,122,266; June 28.
Bathtub. J. A. Callahan. 2,122,245; June 28.
Bathtube, Sheet metal. H. G. Coordes. 2,122,247; June 28.
Battery dumper. F. Altmayer. 2,122,272; June 28.
Beater. E. H. Leighty. 2,121,918; June 28.
Belt, Conveyer. C. R. Bell. 2,122,052; June 28.
Bit: *See*—
  Drill bit.
  Hole straightening or reaming bit.
Bleaching, washing, and cleansing compositions. H. Colonius and F. Weldes. 2,121,952; June 28.
Blind, Venetian. W. Wade and E. North. 2,122,224; June 28.
Blower, gas meter, liquid meter, rotary compressor, and rotary pump, Rotary. R. Rummel. 2,122,352; June 28.
Boat and similar vehicle. F. P. Smith, Jr., and H. B. Smith. 2,122,300; June 28.
Body forming apparatus, Tubular. C. Butty. 2,121,901; June 28.
Boiler: *See*—
  Steam boiler.
Boiler. C. J. Gaskell. 2,122,369; June 28.
Books and ledgers, Reconditioning old. M. R. Hultman. 2,121,800; June 28.
Boring apparatus. M. J. Wurzinger. 2,122,332; June 28.
Bottle filling mechanism. A. J. Lippold. 2,122,149; June 28.
Bowl, Closet. F. J. Wolff. 2,121,940; June 28.
Box: *See*—
  Powder and puff box.
Box ejector. G. C. Paxton. 2,121,820–1; June 28.
Braiding machine. A. Petersen. 2,122,291; June 28.
Brake: *See*—
  Flywheel brake. Friction brake.
Brake. R. C. Russell. 2,122,296; June 28.
Brake beam, Light weight. W. H. Baselt. 2,122,061; June 28.
Brake cylinder assembly and making same. W. K. Hawks. 2,122,371; June 28.
Brake for automobiles, No-roll-back. C. A. Matson. 2,122,009; June 28.
Brick and block wall reinforcing. J. P. Bem. 2,121,943; June 28.
Brick or radiant for surface combustion burners, Refractory. A. Docking. 2,122,132; June 28.
Brush, Clothes. O. C. Creighton. 2,122,090; June 28.
Brush, Rotary. F. W. Schnell. 2,122,326; June 28.
Brushes, Making. C. Jobst. 2,122,318; June 28.
Building construction. O. F. Dolt. 2,122,330; June 28.
Burner. C. A. Boriand. 2,121,946; June 28.
Bushing for steel barrel heads. D. W. Curtis. 2,122,054; June 28.
Button fastener. G. Lyle. 2,122,208; June 28.
Cabinet: *See*—
  Towel service cabinet.
Cable: *See*—
  Submarine cable.
Cable and manufacturing it, Electric. E. P. Barrett. 2,121,942; June 28.
Cages for cylindrical roller bearings, Producing sheet metal. H. Beck. 2,122,365; June 28.
Can. D. A. Sprigings. 2,121,890; June 28.
Can washing machine. F. F. Wolf. 2,122,018; June 28.
Caramel coatings and the like, Production of. W. W. Stokes. 2,122,016; June 28.
Carburetor. A. G. Mahrström. 2,122,348; June 28.
Card, Display. E. Legendre. 2,122,289; June 28.
Carrier for braiding machines. A. Petersen. 2,122,292; June 28.
Carrying bag. J. D. Crary. 2,122,025; June 28.
Carton assembling mechanism. H. K. Powell. 2,122,044; June 28.
Carton filling device. F. Tangeman. 2,122,302; June 28.
Cartridge clip. J. C. Garand. 2,121,702; June 28.
Cartridge guide and stop for machine guns. S. G. Green. 2,121,704; June 28.
Cartridge holding device. L. W. Cooper. 2,122,003; June 28.
Case: *See*—
  Comb and instrument case.
Case and the like, Refrigerated display. F. D. MacMaster. 2,122,209; June 28.
Case for picture projecting apparatus, Carrying. F. Freimann. 2,121,910; June 28.
Case liner. H. M. Hanson. 2,122,317; June 28.
Casing head. C. A. Rasmussen and C. R. Butler. 2,122,071; June 28.
Casket and harware therefor. L. L. Rogers. 2,121,885; June 28.
Caster for sugar or other granular or powdered substances. M. Locker. 2,121,878; June 28.
Cathode ray device. D. Gábor. 2,122,095; June 28.
Cellulose triacetate, Treatment of. H. A. Auden, H. P. Staudinger, and P. Eaglesfield. 2,121,899; June 28.
Characters, Producing. J. H. Pollard. 2,122,043; June 28.
Check, Hydraulic. C. N. Mitchell. 2,121,814; June 28.
Chemical apparatus. H. B. Vollrath. 2,122,187; June 28.
Chuck. H. E. Sloan and G. A. Highberg. 2,122,360; June 28.
Chuck operating mechanism, Fluid. E. P. Bullard and G. R. Appelberg. 2,122,356; June 28.
Circuit: *See*—
  Coupling circuit.
Circuit closer for alarms. J. Demas. 2,122,248; June 28.
Circuits, Method of and arrangement for stepwise tuning of electric. F. Schwarzer. 2,122,183; June 28.





Circuits, Tuning indicator. H. M. Wagner. 2,122,267; June 28.
Clasp, Garment. M. Hansen. 2,122,138; June 28.
Cleaner: *See*—
  Key and curb box cleaner.
Clip: *See*—
  Cartridge clip.
Closure operating mechanism. E. L. Dunn. 2,121,906; June 28.
Closure, Tamper-proof secondary. J. E. Regan. 2,122,294; June 28.
Clothes hanger. O. Vecchio. 2,122,305; June 28.
Clothes rack. C. A. Wendt. 2,122,190; June 28.
Clutch. J. Sneed. 2,122,218; June 28.
Cocktail table, Combination cellaret. A. O. Mattucci. 2,122,042; June 28.
Coin controlled apparatus. W. A. Bockisch. 2,121,946; June 28.
Coin controlled apparatus. M. L. Landreth. 2,121,970–1; June 28.
Coin controlled apparatus. E. Sirp. 2,121,991; June 28.
Coin divider. A. F. Chouinard. 2,122,024; June 28.
Comb and instrument case, Combination. W. A. Wyman. 2,122,226; June 28.
Composition and making same. A. Weisenburg. 2,121,844; June 28.
Concentration testing apparatus and method. S. L. Christie. 2,122,363; June 28.
Concentration testing system and method, Compensated. S. L. Christie. 2,122,364; June 28.
Concrete constructions, System for. G. I. Rerick. 2,122,181; June 28.
Condensation products and producing same, Water-soluble. R. Alles. 2,122,124–5; June 28.
Conductor fitting. W. W. Baird. 2,122,051; June 28.
Connecter: *See*—
  Wire connecter.
Connection, Adjustable drain. E. M. Rieger and M. A. Zurn. 2,121,984; June 28.
Connection, Socket. G. G. Brown. 2,122,244; June 28.
Container: *See*—
  Metal container. Sealing container.
Container. G. O. Conner. 2,121,953; June 28.
Container. H. G. Vaughn. 2,121,842; June 28.
Container, Forming a collapsible. F. W. Rumball. 2,122,325; June 28.
Container package and spray-gun, Combined powder. W. L. Rutkowski. 2,122,230; June 28.
Container valve. S. D. Hartog. 2,121,913; June 28.
Control apparatus. F. I. Williams. 2,122,017; June 28.
Control mechanism for paper making machines. A. H. Stanton. 2,122,362; June 28.
Control system for electric valve apparatus. R. Troger. 2,122,304; June 28.
Conveyer or carrier, Match comb. H. J. Sauvage. 2,122,047; June 28.
Cooker and mold, Pressure. R. J. Kahn. 2,122,320; June 28.
Cooling apparatus. E. F. Miller. 2,122,210; June 28.
Core machine, Horizontal. H. G. Floyd. 2,122,199; June 28.
Cork and making same, Composition. C. E. McManus. 2,121,809; June 28.
Cork composition and making same. C. E. McManus. 2,121,810; June 28.
Cork composition and method of making. N. S. Frink. 2,121,791; June 28.
Corsets, Device for fastening. H. Lobbenberg. 2,122,323; June 28.
Counterweight, Ball suspended dynamic. R. Chilton. 2,121,950; June 28.
Coupling circuit, Multirange. W. D. Loughlin and C. J. Franks. 2,122,257; June 28.
Coupling for tubes. W. J. Katsberg. 2,122,205; June 28.
Coupling, high-frequency apparatus. W. Buschbeck. 2,121,855; June 28.
Course indication, Method and apparatus for producing. G. L. Davies. 2,122,091; June 28.
Cover for sinks provided with sprinkling means. G. Frederikson. 2,121,866; June 28.
Cover for steering wheel rim. K. E. Goit. 2,121,963; June 28.
Cowling fastener. D. Busby. 2,121,784; June 28.
Cracking process. A. C. Patterson. 2,121,978; June 28.
Crane for snow plows, Wing. C. H. Frink. 2,121,960; June 28.
Crate. W. W. Day. 2,121,905; June 28.
Cream process and product. H. D. Wendt. 2,121,896; June 28.
Cup: *See*—
  Elevator cup.
  Surgical aspirated drainage cup.
Cut off, Duplex. T. S. Fitchett and H. B. Greenwood. 2,122,031; June 28.
Cutting apparatus. J. R. Morris. 2,122,261; June 28.
Cutting table. L. I. Louviaux. 2,122,258; June 28.
Damper, Vibration. J. S. Oles. 2,121,819; June 28.
Dental filling composition. F. Schoenbeck and E. Czapp. 2,122,011; June 28.
Deodorizing. E. M. Davis. 2,122,029; June 28.
Depth control for disk plows, Power operated. C. A. Hovde. 2,122,286; June 28.
Dewooling machine. C. Jolly, J. W. Archibald, and H. J. Solomon. 2,122,006; June 28.
Dice machine, Sound operated. D. H. Stewart. 2,121,838; June 28.
Differential driving mechanism. O. Heumader. 2,122,284; June 28.
Differential or balance mechanism. R. J. Ifield. 2,121,915; June 28.
Dip, Animal. R. L. Sibley. 2,122,389; June 28.
Dispenser for carbonated drinks. F. H. Tweed. 2,121,841; June 28.
Display device. H. Godoy. 2,122,250; June 28.
Door: *See*—
  Screen door.
Door attachment. J. Cassion. 2,122,312; June 28.
Door jamb. D. Roberts. 2,121,826; June 28.
Door retainer. G. C. Turner. 2,122,220; June 28.
Draft gear. D. F. Sproul. 2,121,833; June 28.
Draft gear, Selective travel. D. F. Sproul. 2,121,834; June 28.
Draft sill assembly, Welded. R. M. Shaver. 2,122,159; June 28.
Drill bit. M. Hokanson. 2,121,914; June 28.
Duster, Wall. J. Glover. 2,121,911; June 28.
Dyes and manufacturing the same, Ortho-hydroxyazo. W. Benade. 2,122,127; June 28.
Dyestuffs and their manufacture, Anthraquinone. A. Peter. 2,121,928; June 28.
Electric connecter plug. A. E. Grant. 2,122,058; June 28.
Electric furnace. C. R. Arnold. 2,122,241; June 28.
Electric motor. E. L. Barrett. 2,121,852; June 28.
Electric power apparatus. W. and A. Toward. 2,121,895; June 28.
Electrical apparatus, High tension. L. Emanueli. 2,122,281; June 28.
Electrical arrangement for displaying pictures and communications. K. Rosenberg. 2,121,987; June 28.
Electrical connection means. H. A. Douglas. 2,122,030; June 28.
Electrical discharge device. G. Holst, W. Elenbass, and A. van Wyk. 2,122,285; June 28.
Electrical machine, of the kind called metadyne, operating at an adjustable constant speed. J. M. Pestarini. 2,122,237; June 28.
Electrode. B. O'Brien. 2,121,882; June 28.
Electrode release for arc lamps. R. J. Brandt. 2,122,195; June 28.
Electrolytic device. P. Robinson and J. L. Collins. 2,122,392–3; June 28.
Electron discharge modulator, Ultrahigh frequency. A. A. Linsell. 2,121,877; June 28.
Electron discharge tube. H. J. McCarthy. 2,122,377; June 28.
Electronic unit, Reconditioning. L. C. Stringer. 2,122,117; June 28.
Elevator cup. C. E. Lindburg. 2,122,036; June 28.
End gate. J. A. Stellner. 2,122,014; June 28.
Engine: *See*—
  Internal combustion engine.
Engraved plates, Apparatus for conditioning. F. R. Edes and F. M. Martin. 2,122,198; June 28.
Esters, Manufacture of high viscosity cellulose. C. J. Malm. 2,121,808; June 28.
Ether of triethylene glycol, Diethyl. H. L. Cox. 2,122,129; June 28.
Excavating and prospecting tool. F. C. Chew. 2,121,858; June 28.
Excess flow and check valve, Combination. R. W. Thomas. 2,121,936; June 28.
Expansion joint. L. Wittenberg. 2,122,167; June 28.
Explosion chambers, Apparatus for charging constant volume. U. Meininghaus. 2,121,812; June 28.
Expressing press. A. W. French, Jr. 2,122,202; June 28.
Fabric: *See*—
  Wire fabric.
Fabric and making the same, Textile. H. H. Fonda. 2,121,909; June 28.
Fabrics, Finishing planiform textile. H. Krantz, A. Simon, and H. Buysch. 2,122,146; June 28.
Fastener: *See*—
  Button fastener. Hat fastener.
  Cowling fastener.
Fastener. T. C. Dahnert. 2,122,130; June 28.
Faucet. D. O. and O. C. Druge. 2,121,863; June 28.
Feed for boring bars, Automatic. C. T. Rottler. 2,122,072; June 28.
Feeder: *See*—
  Glass feeder.
Fender, Boat. J. E. Hooper and H. T. Atno. 2,122,372; June 28.
Fiber board under pressure, Process and apparatus for continuous drying of. W. H. Mason. 2,122,376; June 28.
Fibers, Method and apparatus for strengthening. D. Kleist and J. H. Thomas. 2,121,802; June 28.
Figs, Method of and apparatus for processing. L. C. Beckwith, R. D. Leuschner, and F. Fordham. 2,122,021; June 28.
Filling machine. J. L. Lawrence. 2,122,148; June 28.
Filter: *See*—
  Air filter.
Filter press. W. R. McKenna. 2,122,259; June 28.

Fire escape. L. Festy and T. and F. J. Laurent. 2,122,315; June 28.
Fish lure, Electrically illuminated. E. J. O. Saelen. 2,122,215; June 28.
Fish, Method and apparatus for determining the migration of. E. H. Dahlgren. 2,121,787; June 28.
Flatiron support. F. Schürch and A. Ilg. 2,122,354; June 28.
Fluid generator arrangement, Elastic. G. Diedrich. 2,122,260; June 28.
Fluids, Well drilling. A. S. Nichols and J. L. Essex. 2,122,236; June 28.
Flush valve. M. Ward. 2,122,189; June 28.
Flywheel brake. W. E. Greenawalt. 2,121,860; June 28.
Footwear. C. V. Easton. 2,121,907; June 28.
Four-wheel spring mounting, Independent. A. Banks. 2,122,308; June 28.
Frame: *See*—
Furniture frame. Window frame.
Frequency converter. W. A. Harris. 2,122,283; June 28.
Friction brake, Automatic. J. Sousedik. 2,121,889; June 28.
Fuel supplying means for brooder stoves. H. Fields. 2,122,314; June 28.
Fueling system. V. Voorhees. 2,122,076; June 28.
Furnace: *See*—
Electric furnace.
Furniture frame. A. Bergmann. 2,122,172; June 28.
Garment hanger. H. C. Belmler. 2,122,300; June 28.
Garment hanger rack. W. C. McDermott. 2,122,324; June 28.
Garment holder. E. F. Holthaus. 2,122,141; June 28.
Gas and liquid contacting apparatus. C. T. Asbury. 2,122,334; June 28.
Gas detecting system, Combustible. J. B. Quick. 2,122,070; June 28.
Gas mixtures, Process and apparatus for the separation of. F. Pollitzer. 2,122,238; June 28.
Gasses, Utilisation of waste. A. W. Lissauer. 2,122,037; June 28.
Gate: *See*—
End gate.
Gauge for internal combustion motors, Pressure. J. Beahard. 2,122,243; June 28.
Gear: *See*—
Draft gear.
Gear case drive shaft mounting. J. A. Castricone. 2,122,063; June 28.
Gear generation and apparatus for performing such method, Method of. E. Stubbs. 2,121,840; June 28.
Gearing, Torque and speed increasing. A. F. P. Stensy. 2,122,330; June 28.
Glass feeder. H. M. Black. 2,121,945; June 28.
Glass, Manufacture of sheet. L. P. Forman and W. Pancoast. 2,121,958; June 28.
Glass sheets, Method of and apparatus for producing. L. Boudin and H. Poeymirou. 2,122,083; June 28.
Glass, Tempering of. W. B. Clitherow. 2,122,088; June 28.
Grease gun, Portable. M. B. Linton. 2,121,972; June 28.
Greenhouse construction. P. J. Foley, Jr. 2,122,005; June 28.
Grid and making same, Bucky. A. P. Freeman. 2,122,135; June 28.
Grinding machine, Improvements in connection with. A. Scrivener. 2,122,184; June 28.
Grip and weapon, Combined handle. A. J. Schnase and H. S. Skinner. 2,121,989; June 28.
Guard for rotary cutters, Hand. E. W. Neale and A. H. Handley. 2,122,100; June 28.
Guard for scraper devices. F. V. Pinter. 2,122,263; June 28.
Guard, Lubricated, dust. H. H. Grece. 2,122,343; June 28.
Guide and guard for wires, Combined. M. H. L. Jacobsen. 2,121,916; June 28.
Gun barrels, Mechanism for and method of rifling. C. E. Simpson. 2,121,832; June 28.
Hair waving machines, Attachment for. E. L. Frants. 2,122,201; June 28.
Hairpin. J. B. Meharg. 2,122,106; June 28.
Handle: *See*—
Mattress and cushion handle.
Handle. E. C. Van Buskirk. 2,122,164; June 28.
Handles, Forming wire. F. C. Bertram. 2,122,082; June 28.
Hanger: *See*—
Clothes hanger. Garment hanger.
Hangers for concrete slab structures, Form. G. B. Bosco. 2,122,276; June 28.
Hardness tester, Continuous. J. Gogan. 2,122,203; June 28.
Harvester, Corn. D. and D. Currie. 2,121,859; June 28.
Hat and handbag, Combined. E. F. Alexander. 2,122,171; June 28.
Hat fastener. R. Lipton. 2,121,973; June 28.
Heads to barrels, Device for securing. H. L. Newton. 2,121,881; June 28.
Heat exchange apparatus. C. H. Leach. 2,122,256; June 28.
Heat exchanger, Vertical. G. Trépaud. 2,121,999; June 28.
Heater: *See*—
Tube heater. Water heater.
Heater for railway switches. L. H. V. Reynolds. 2,122,154; June 28.
Heating device and the like. R. Reichmann. 2,121,930; June 28.
Heel, Shoe. E. D. Modlin. 2,122,108; June 28.
Highway signal. D. M. Humphreys. 2,122,253; June 28.
Hinge. J. Jackle. 2,122,034; June 28.
Hinge and control, Combination door. H. W. Schwarz. 2,122,327; June 28.
Hinge, Long throw concealed. J. Soss and F. H. Schwartz. 2,122,301; June 28.
Hobbing machine. O. E. Staples. 2,122,219; June 28.
Holder: *See*—
Garment holder. Tissue holder.
Hole straightening or reaming bit. W. Hughes. 2,122,063; June 28.
Hook. E. Ericksen. 2,121,906; June 28.
Hose end structure. H. Barnard. 2,122,126; June 28.
Hose, Making multiple passage. M. Berman and W. Brockner. 2,122,335; June 28.
Hosiery. R. W. Carley. 2,121,857; June 28.
Humidifier control apparatus. A. H. Beasley and D. H. Donahoo. 2,122,000; June 28.
Indicator: *See*—
Liquid level indicator. Weight and line indicator.
Radio tuning indicator.
Indicator. A. G. Winters. 2,121,848; June 28.
Injector. V. G. Klein. 2,122,177; June 28.
Insole and making same. H. E. Wagner. 2,121,938; June 28.
Insulin preparation. F. E. Bischoff. 2,121,900; June 28.
Intercommunicating system and apparatus therefor. L. W. Parker. 2,121,883; June 28.
Interlocking system for railroads. C. S. Bushnell. 2,121,785; June 28.
Interlocking system for railroads. W. K. Howe. 2,121,798; June 28.
Interlocking system for railroads. A. Langdon. 2,121,803; June 28.
Interlocking system for railroads. S. N. Wight. 2,121,846–7; June 28.
Internal combustion engine. J. W. Catron. 2,122,002; June 28.
Internal combustion engine. M. Mallory. 2,121,920–1; June 28.
Internal combustion engine. C. N. Mitchell. 2,121,813; June 28.
Iron from iron ore, Production of. F. L. Duffield. 2,122,197; June 28.
Ironing surface, Resilient. C. J. West. 2,122,165; June 28.
Jack. A. Dickerson. 2,121,861; June 28.
Javelin. H. W. Campbell and T. S. Graham. 2,122,023; June 28.
Jig, Pulsating. L. H. Logue. 2,122,039; June 28.
Joint: *See*—
Expansion joint.
Kerosene. J. A. Tilton. 2,121,998; June 28.
Key and curb box cleaner, Service cock. G. W. Durno. 2,122,340; June 28.
Key, Self-locking. F. Schaefer. 2,122,073; June 28.
Knitting machine. L. Robaczynski. 2,122,239; June 28.
Knitting machine yarn housing structure. H. Janssen. 2,122,098; June 28.
Ladder, Fish. E. E. Kuehl. 2,121,968; June 28.
Ladle, Covered. M. W. Goldberg and W. W. Drissen. 2,122,032; June 28.
Lamp: *See*—
Vehicle lamp.
Lamp. R. Kovac. 2,122,375; June 28.
Land measuring instrument. E. S. Gandrud. 2,121,867; June 28.
Lap retruing machine. R. S. Duke. 2,122,056; June 28.
Lathe, Jar ring. H. Gora. 2,122,204; June 28.
Lead and lead alloys, Welding. A. A. Smith, Jr. 2,122,185; June 28.
Leather, Iron-tanned. H. Dohse and W. Huehn. 2,122,133; June 28.
Leather or similar goods, Securing decorative effects on. H. M. Hartmann. 2,122,251; June 28.
Lifeboat, Submarine. K. Torjussen. 2,121,894; June 28.
Light: *See*—
Airplane running light. Signal light.
Ship's side-light.
Light fixture for cabinet structures. H. E. Pleasant and C. H. Nauert. 2,122,293; June 28.
Light for airports, Boundary beacon. E. Curran. 2,122,313; June 28.
Light polariser, Diffusing. E. H. Land. 2,122,178; June 28.
Lighting fixture. S. S. Dauman. 2,121,860; June 28.
Liquid level regulator. G. W. Stetson. 2,121,891; June 28.
Liquid vaporizing device. C. T. Asbury. 2,122,333; June 28.
Liquids, Straining. N. R. Thibert. 2,122,119; June 28.
Locomotive and tender. F. P. Roesch. 2,122,114; June 28.
Locomotive, Combined steam and electric. P. H. Ferrier. 2,122,341; June 28.
Locomotive seat, Adjustable. H. L. Hobby. 2,122,345; June 28.





Lubricants. C. F. Prutton. 2,121,824–5; June 28.
Lubricating device. H. R. Tear. 2,121,906; June 28.
Luminair. T. W. Rolph and H. L. Logan. 2,122,295; June 28.
Machine for applying legends to razor blades. I. S. Bodkin. 2,121,947; June 28.
Machine for closing bags. G. Örström. 2,121,926; June 28.
Magnets, Making cast permanent. H. A. Howell. 2,121,799; June 28.
Mast. E. J. W. Ragsdale and C. B. Conwell. 2,122,380; June 28.
Mat, Replaceable molded rubber. W. G. I. Smith. 2,122,240; June 28.
Material, Coloring and water-proofing textile. R. Kern. 2,122,100; June 28.
Material dispensing device, Bulk. J. M. Seawell. 2,122,216; June 28.
Material, Resilient yielding. A. A. McCormack. 2,122,378; June 28.
Materials, Calcining phosphate-bearing. T. F. Baily. 2,121,776; June 28.
Materials from high-speed rotary furnaces, Withdrawing. G. Zotos. 2,122,170; June 28.
Mattress and cushion handle. M. Bechik. 2,122,355; June 28.
Measure. G. R. Meyers. 2,122,068; June 28.
Measuring apparatus. C. W. Prochaska. 2,121,980; June 28.
Metal container. K. W. Mauser. 2,122,105; June 28.
Metal container. L. L. Salfisberg. 2,121,988; June 28.
Metal, Melting. P. Dunsheath. 2,122,233; June 28.
Metallic bodies, Manufacturing porous. H. Burkhardt. 2,122,053; June 28.
Metals, Refining of. F. Hanagirg. 2,122,139; June 28.
Meter: *See*—
Parking meter. Posture meter.
Meter for internal combustion engines, Gasoline. G. F. Stiner. 2,121,892; June 28.
Meter reading recorder. G. A. Josephson. 2,122,319; June 28.
Mill: *See*—
Rolling mill.
Milling machine. H. Neubert. 2,121,923; June 28.
Model former, Orthodontic. A. J. Oliver. 2,122,213; June 28.
Mold. A. W. Laird. 2,121,969; June 28.
Molding apparatus. D. J. Campbell. 2,122,022; June 28.
Mop. J. Glover. 2,121,912; June 28.
Motion checking apparatus. W. B. Eddison. 2,121,773; June 28.
Motor: *See*—
Electric motor. Time motor.
Servo-motor.
Synchronous electric motor.
Motors, Control of electric. E. C. Barwick. 2,122,273; June 28.
Mounting: *See*—
Four-wheel spring mounting. Vehicle body mounting.
Gear case drive shaft mounting.
Mounting and operating means therefor, Antiglare shield. M. H. Thode. 2,122,120; June 28.
Mounting for doors and the like, Hinge. P. Etzel. 2,121,790; June 28.
Mounting for hinges or the like. L. J. Kearney. 2,122,007; June 28.
Narrowing device for flat knitting machines. W. Heinitz. 2,122,344; June 28.
Neat, Safety egg-laying. J. T. Miles. 2,122,349; June 28.
Noose device. H. O. Porter. 2,122,264; June 28.
Nozzle, Exhaust. J. Mills, Jr. 2,122,211; June 28.
Oil and water separator. E. M. Burt. 2,122,310; June 28.
Oil, Refining. D. E. Harger and H. I. Wolff. 2,122,059; June 28.
Oils and lubricating oils prepared by such method, Increasing the oiliness value of lubricating. L. A. Mikeska and C. A. Cohen. 2,121,976; June 28.
Oils, Deodorizing and bleaching. L. C. Moore and A. C. Norman. 2,122,260; June 28.
Ore material, Sulphating an. R. L. Sessions and D. C. Mitchell. 2,121,887; June 28.
Ore treating system. A. C. Daman. 2,122,028; June 28.
Oven. W. H. Frick. 2,122,093; June 28.
Packing, Fillet piston. G. O. Taylor. 2,121,995; June 28.
Pads, Making hair waving. C. J. Rohland. 2,121,966; June 28.
Paint and making the same, Bituminous. E. J. Canavan. 2,121,949; June 28.
Pan assembling device, Oil. L. J. and R. V. Tichota. 2,121,937; June 28.
Paper article. K. Clark. 2,121,951; June 28.
Paraffin wax, Fluorinated. F. M. Clark. 2,122,278; June 28.
Parking meter. J. E. Morris. 2,122,351; June 28.
Percolator. A. L. Rosenheimer, Jr. 2,122,046; June 28.
Permanent waving apparatus. G. B. Finnegan, Jr. 2,122,134; June 28.
Phenol, cresol, or the like resins, Making. I. Kreidl. 2,121,917; June 28.
Phthalocyanines, Alkyloxy and aryloxy. S. Gassner and B. Bienert. 2,122,137; June 28.
Picture claw feed apparatus, Motion. W. Smith, J. C. Hall, and J. B. Barton. 2,121,933; June 28.
Pigment, Weather resistant. H. F. Saunders. 2,122,297; June 28.
Pigmentation of resinous condensation products. G. H. Wilder. 2,122,270; June 28.
Pipe: *See*—
Smoking pipe.
Pipe, Device for laying. C. J. Jeffrey. 2,122,099; June 28.
Pipe wrench. W. C. Martin. 2,122,104; June 28.
Plate, Jaw crusher. C. V. Hallenbeck. 2,122,033; June 28.
Plate shaving machine. W. F. Huck. 2,122,143; June 28.
Plug: *See*—
Electric connecter plug. Spark plug.
Plug connecter base and socket, Electric lamp. J. M. Sandoval y Campderá and M. F. de C. Cuadrado. 2,121,886; June 28.
Plug for textile knitting machines, Stop feed. C. Strzalkowski. 2,121,994; June 28.
Plunger and spring, Oxidised. C. H. Larson. 2,121,804; June 28.
Polymerisation products, Manufacturing. D. E. Strain. 2,121,839; June 28.
Posture meter. F. S. Williams. 2,122,078; June 28.
Powder and puff box. J. A. Mitchell. 2,122,350; June 28.
Powder puff forming a receptacle. M. Zolotnitsky. 2,122,123; June 28.
Power take-off device for automobile trucks and tractors. J. M. Wood. 2,121,897; June 28.
Power transmission. E. L. Rose and R. L. Tweedale. 2,122,045; June 28.
Power transmission apparatus, Hydraulic. P. M. Salerni. 2,122,353; June 28.
Power transmission device, Liquid. W. G. Wilson. 2,122,169; June 28.
Press: *See*—
Expressing press. Printing press.
Filter press. Rotary press.
Presser, Garment. C. T. Allme. 2,121,849–50; June 28.
Pressing machine. O. Ganio. 2,122,316; June 28.
Printing and sorting machine, Combined. F. L. Fuller and S. Brand. 2,122,136; June 28.
Printing machine. C. A. Flood. 2,121,864; June 28.
Printing plates, Forming. W. F. Huck. 2,122,142; June 28.
Printing press. E. E. Burroughs. 2,122,128; June 28.
Projectile. J. E. Helbich. 2,121,796; June 28.
Puller: *See*—
Spike puller.
Pump: *See*—
Well pump.
Pumping apparatus. F. S. Barks. 2,122,020; June 28.
Pumping apparatus. W. H. Sloan. 2,121,931; June 28.
Punch. M. L. Engler. 2,122,368; June 28.
Punch mechanism. P. H. Nast. 2,121,817; June 28.
Punching mechanism. P. H. Nast. 2,121,818; June 28.
Rack: *See*—
Clothes rack. Roller rack.
Garment hanger rack. Spice rack.
Rack for meat blocks, Tool. C. Michelson. 2,122,069; June 28.
Radiation, Device for automatic interruption of. A. W. Vingerhoets. 2,122,222; June 28.
Radio communication system. F. G. Kear, G. L. Davies, and W. H. Orton. 2,122,145; June 28.
Radio control device. R. F. Vols, A. Horowitz, and A. J. W. De Groot. 2,122,306; June 28.
Radio tuning indicator. W. J. Schnell. 2,122,328–9; June 28.
Rake, Bamboo. W. P. Sage. 2,122,359; June 28.
Receptacle: *See*—
Powder puff forming receptacle.
Receptacle. W. F. Best and W. Kremer. 2,121,944; June 28.
Receptacle. H. R. Segal. 2,122,158; June 28.
Reel for stand lamps, Cord. C. R. Stocks. 2,121,993; June 28.
Reflecting safety device. P. Gelder. 2,121,868; June 28.
Reflecting sign. C. A. Scholtz. 2,122,156; June 28.
Refractory bodies, Making cellular. J. M. Knote. 2,122,288; June 28.
Refrigerating apparatus. H. F. Smith. 2,122,012–13; June 28.
Refrigerating apparatus. H. F. Smith. 2,122,161; June 28.
Refrigerating method and apparatus. C. F. Henney. 2,122,140; June 28.
Refrigerating method and apparatus. J. Raymond. 2,122,381; June 28.
Refrigeration. H. M. Ullstrand. 2,122,361; June 28.
Register, Cash. L. G. A. Kömmling. 2,121,967; June 28.
Registering device, Portable. J. Q. Sherman and A. A. Gopperton. 2,121,830; June 28.
Regulator for the closing of two hinged parts. H. Smith. 2,122,162; June 28.
Relay for fuel gauges. H. Mortier. 2,121,816; June 28.
Resins and like plastic materials, Molding synthetic. C. C. Jacobson. 2,121,966; June 28.

Resins, Manufacture of artificial. W. Conrad. 2,122,069; June 28.
Resins, Preparation of. B. C. Bren. 2,122,277; June 28.
Resistor. H. C. Sherk. 2,122,160; June 28.
Resistor, Variable. H. G. Richter. 2,121,983; June 28.
Rim release oil clutch. R. H. Kress. 2,122,067; June 28.
Rods, Making ornamental plastic. J. H. Clewell. 2,122,246; June 28.
Roll surfaces, Device for roughening. G. H. Frank. 2,121,959; June 28.
Roll, Unbairing. M. K. Ocsko. 2,121,925; June 28.
Roller rack. R. A. and J. C. Kidwell. 2,122,322; June 28.
Rolling mill. H. Puppe. 2,121,929; June 28.
Roof construction. H. W. Davey. 2,121,789; June 28.
Roofing construction. A. L. Wall. 2,122,077; June 28.
Roofing or sheet product. C. Batcheller. 2,122,192; June 28.
Rotary press. H. H. Slocum. 2,121,932; June 28.
Round-cornering machine. E. Southworth. 2,122,186; June 28.
Rubber latex or the like, Centrifugal concentration of. J. B. Crockett. 2,122,232; June 28.
Saccharose from formaldehyde, Process of and apparatus for manufacturing. E. A. Prudhomme. 2,121,981; June 28.
Safety device. E. A. Stark. 2,122,049; June 28.
Sand, Method for cleaning. O. D. Sisson. 2,122,217; June 28.
Saw. W. E. and J. S. Miner. 2,122,196; June 28.
Screen door. G. Schlatt. 2,122,155; June 28.
Seal for rotary concrete mixing drums. J. P. Faber. 2,122,240; June 28.
Sealing container. F. O. L. Choriton. 2,122,067; June 28.
Sealing means. H. G. Vaughn. 2,121,843; June 28.
Seat: *See*—
Locomotive seat.
Seat. W. Lasch. 2,122,347; June 28.
Seat construction. H. A. Campbell and G. H. Vinette. 2,121,856; June 28.
Sedimentation apparatus. C. H. Scott. 2,122,384; June 28.
Sedimentation apparatus (automatic lifting arm). C. H. Scott. 2,122,383; June 28.
Sedimentation apparatus (long and short torque arms). C. H. Scott. 2,122,385; June 28.
Separator: *See*—
Oil and water separator.
Servo-motor. A. A. Hodgkins. 2,121,874; June 28.
Set-up table. W. L. Valiquette. 2,122,221; June 28.
Sewage treatment process. R. A. Stevenson. 2,122,074; June 28.
Sewing machine. E. Prazak. 2,121,884; June 28.
Sharpener, Lawn mower. C. D. Himebaugh. 2,121,965; June 28.
Sharpener, Pencil. W. F. Wells. 2,122,386; June 28.
Ship's side-light. C. J. F. Westman. 2,122,166; June 28.
Shock absorber for drift recording instruments. J. W. Culbertson. 2,122,026; June 28.
Shoe-construction, Method and product of. M. Marasco. 2,122,041; June 28.
Shower bath. H. D. Robertson. 2,121,985; June 28.
Shuttle for looms. A. A. Cohen. 2,122,338; June 28.
Sign: *See*—
Reflecting sign.
Sign. R. A. Young. 2,121,898; June 28.
Signal: *See*—
Highway signal. Traffic signal.
Signal light. E. R. Marsters and H. S. Bird. 2,122,008; June 28.
Signaling device employing polarized light. G. W. Wheelwright. 2,122,225; June 28.
Signaling system, Electric. T. A. Lundell. 2,122,102; June 28.
Signaling system for railroads. C. S. Bushnell. 2,122,231; June 28.
Signaling system for railroads. M. Hormats. 2,122,373; June 28.
Signaling system for railroads. N. D. Preston. 2,122,379; June 28.
Signaling system for railroads. W. H. Reichard. 2,122,382; June 28.
Silencer for internal combustion engine. A. A. Chase. 2,122,066; June 28.
Silk, Manufacture of artificial. A. J. Engel. 2,122,092; June 28.
Skate, Roller. W. R. Campbell. 2,122,311; June 28.
Skate, Roller. A. F. Kaptuller. 2,122,066; June 28.
Sleeping bag, Garment-like. G. C. Daiber. 2,121,788; June 28.
Slide wire resistance. T. R. Harrison, E. H. Grauel, and J. E. Kessler. 2,122,370; June 28.
Slug casting machine. R. R. Mead. 2,121,975; June 28.
Smoking pipe, Cool. M. La Barbera. 2,122,255; June 28.
Sound, Recording and reproduction of. A. V. Bedford. 2,122,193; June 28.
Sound, Recording and reproduction of. E. W. Kellogg. 2,122,207; June 28.
Sound, System for the reception and reproduction of. L. F. Savage and C. J. Francis. 2,122,010; June 28.
Sound translating apparatus. S. Ballantine. 2,121,778–9; June 28.
Sound translating device. S. Ballantine. 2,121,781; June 28.
Sound translating system. S. Ballantine. 2,121,780; June 28.
Sound translation apparatus. S. Ballantine. 2,122,191; June 28.
Sound transmitting apparatus. G. Wurdel. 2,121,941; June 28.
Spark plug. E. E. Bidwell. 2,122,242; June 28.
Spark plug. A. St. John. 2,122,015; June 28.
Speed and vacuum controlling device, Automatic. A. O. Tadewald. 2,122,331; June 28.
Spice rack. C. P. Berry. 2,122,336; June 28.
Spike puller. P. G. and J. D. Nichols. 2,122,212; June 28.
Spin recovery device. C. G. Halpine. 2,121,795; June 28.
Spinels, Synthetic. E. Lederle and R. Brill. 2,122,180; June 28.
Spraying apparatus. H. J. Newlin. 2,121,924; June 28.
Spring unit, Bolster. D. F. Sproul. 2,121,835; June 28.
Sprinkler. J. S. Donnellan. 2,122,055; June 28.
Sprinkler. C. O. Wilson. 2,122,079; June 28.
Stabiliser. A. J. Lippold. 2,122,150; June 28.
Starch, Purification and separation of. K. P. Link, C. G. Niemann, and R. H. Roberts. 2,121,910; June 28.
Starter control. F. E. Liverance, Jr. 2,122,038; June 28.
Starting system for engines, Automatic. L. K. Loehr and W. E. Burdick. 2,121,974; June 28.
Staybolt and manufacturing the same. W. B. Peirce and N. J. Kouche. 2,121,979; June 28.
Steam boiler. J. Eklund. 2,122,390; June 28.
Steeping and degerminating process. C. R. Brown and A. T. Scott. 2,122,084; June 28.
Step. F. J. Machovec. 2,122,040; June 28.
Sterilizing and disinfecting. W. Kruse and M. J. Fischer. 2,121,875; June 28.
Stock selecting and indicating system. E. R. Wheeler and E. J. Sortore. 2,122,387; June 28.
Stocking display device and the like. H. Janssen. 2,122,144; June 28.
Stop, Car. P. J. McCullough. 2,121,775; June 28.
Stop mechanism. W. I. Holmes. 2,122,096; June 28.
Stop mechanism for reeling machine. D. Slikker. 2,122,115; June 28.
Stop motion for knitting machines. J. W. Hamilton. 2,121,964; June 28.
Stove, Camp. D. H. Bitney. 2,122,275; June 28.
Stretching and fitting device. J. Petty. 2,121,822; June 28.
Stripping. D. Roberts. 2,121,827; June 28.
Structures and apparatus therefor, Making and assembling laminated. E. L. Barrett. 2,121,851; June 28.
Submarine cable. E. Studt. 2,122,118; June 28.
Sulphonation products of mineral oil, Producing clear light-colored, water-soluble. E. A. Wernicke. 2,121,845; June 28.
Sulphonium compounds, Manufacture of. H. A. Piggott. 2,121,823; June 28.
Support: *See*—
Flatiron support.
Supporting mechanism for locomotives. F. B. Barclay. 2,121,782; June 28.
Surgical aspirated drainage cup. J. E. Tillotson. 2,122,121; June 28.
Sweeper, Carpet. S. Miller. 2,121,880; June 28.
Switch apparatus, Coin controlled. M. A. Hall. 2,122,357; June 28.
Synchronous electric motor, Self-starting. W. Kohlhagen. 2,122,374; June 28.
Tab for file wrappers, Movable. H. M. von Dollen. 2,122,223; June 28.
Tab, Page turning. G. L. de Give. 2,122,004; June 28.
Table: *See*—
Cocktail table. Set-up table.
Cutting table.
Taillight, Illuminated license plate. A. and F. Czarny. 2,122,027; June 28.
Tank fitting. E. E. Goehler. 2,122,227; June 28.
Telegraph printer. M. Hebel and K. Gundlfinger. 2,121,873; June 28.
Telegraph switching system. R. F. Dirkes and V. R. Kimball. 2,122,367; June 28.
Television. F. Schröter and A. Schleede. 2,121,990; June 28.
Television system. A. J. Cawley. 2,122,337; June 28.
Temperature control system. R. E. Newell. 2,121,977; June 28.
Tensioning apparatus for material rolls. W. E. Crist, Jr. 2,121,902; June 28.
Textile, Absorbent. C. P. Coulter, Jr. 2,122,175; June 28.
Thermocouple, Vacuum. L. S. Nergaard. 2,122,262; June 28.
Thickening, stirring, or agitating apparatus. H. Kepper. 2,122,267; June 28.
Thread and preparing same, Artificial. E. V. Lewis and S. W. Brainard. 2,122,290; June 28.
Thread or the like, Apparatus for determining and indicating variations in thickness of. H. P. Luhn. 2,122,152; June 28.
Three-phase apparatus, Protecting. L. J. Meller and K. H. Miner. 2,122,107; June 28.
Ticket strip. C. A. Flood. 2,121,865; June 28.





Time reminder, Selected. C. R. Gains. 2,122,057; June 28.
Timer motor. A. F. Welch. 2,122,207; June 28.
Tire demounting unit. H. W. Wilkerson. 2,122,388; June 28.
Tire, Non-skid. E. Eger. 2,121,956; June 28.
Tire tread. G. G. Havens. 2,121,871; June 28.
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Traffic controlling system for railroads, Centralized. D. F. De Long. 2,122,131; June 28.
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Train describer system. W. T. Powell. 2,122,229; June 28.
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Wire connecter. N. G. Hayes. 2,122,252; June 28.
Wire fabric. C. G. Williams. 2,121,939; June 28.
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# CLASSIFICATION OF PATENTS

## ISSUED JUNE 28, 1938

**In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.**

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| Trade-Marks Published (188 Applications) | 11 |
| Trade-Mark Registrations Granted | 31 |
| Trade-Mark Registrations Renewed | 43 |
| Labels | 44 |
| Prints | 44 |
| Reissues | 45 |
| Patents Granted | 48 |
| Designs | 210 |


### June 7, 1938

| | | |
|---|---|---|
| Trade-Marks | 238—No. | 357,276 to No. 357,663, inclusive. |
| T. M. Renewals | 25 | |
| Labels | 22—No. | 51,262 to No. 51,283, inclusive. |
| Prints | 1—No. | 16,268 |
| Reissues | 9—No. | 20,746 to No. 20,755, inclusive. |
| Patents | 717—No. | 2,119,808 to No. 2,120,224, inclusive. |
| Designs | 93—No. | 109,971 to No. 110,063, inclusive. |
| Total | 1,157 | |

## Interference Notice

U. S. Patent Office, *Washington, D. C., May 20, 1938.*

*Homer A. Trussell, his assigns or legal representatives, take notice:*

An interference having been declared by this Office between the patent granted November 30, 1937, No. 2,100,676, to Homer A. Trussell, then at 4090 Balfour Avenue, Detroit, Mich., but later residing at 5428 Baum Boulevard, Pittsburgh, Pa., and a notice of such declaration sent by registered mail to said Trussell at the above addresses having been returned by the post office as undeliverable, notice is hereby given that unless said Trussell, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

## Notice of Cancellation

U. S. Patent Office, *Washington, D. C., May 12, 1938.*

*The Chlorine Products Company, its assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of Albert H. Binash, 2820 West North Avenue, Chicago, Ill., to [illegible] the cancellation of trade-mark registration No. 1[illegible], issued April 21, 1925, to The Chlorine Products Co[illegible], 905 North Senate Avenue, Indianapolis, Ind., and [illegible] proceeding sent by registered mail to [illegible] Chlorine Products Company at said address has [illegible] by the post office as undeliverable, notice is hereby given that unless said The Chlorine Products Company, its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

## Adjudicated Patents

(C. C. A. Ohio) Lester patent, No. [illegible], for air-preheating mechanism for mill-furnaces, claims [illegible] 2 *Held* not infringed. *Lester* v. *American Rolling Mill Co.*, 95 F. 2d 772.

(C. C. A. Pa.) Harris patent, No. [illegible], for [illegible] pipe, claims 5, 6, and 7 *Held* infringed. *Harris Calorizing Co.* v. *Marra*, 95 F. 2d 870.

(C. C. A. Pa.) Harris patents, Nos. [illegible], 1,508,331, and 1,547,388, and Campbell patents, Nos. [illegible], 1,751,447, 1,835,845, and 1,920,965, relating to [illegible] ments in blowpipes, *Held* not contributorily infringed. *Id.*

(C. C. A. Va.) Kaltenbach patent, No. [illegible],876,686, for car dumper chute control mechanism, [illegible] valid and infringed. *Chesapeake & O. Ry. Co.* v. *Kaltenbach*, 95 F. 2d 801.

(C. C. A. Va.) Kaltenbach patent, No. [illegible], for car dumper, *Held* valid and infringed.

## Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,944,007, F. B. Hobart, Light[illegible] ceramic material and method of making the same, decided May 10, 1938, claim 1.

Pat. 1,982,415, H. G. Blevins, Method [illegible] apparatus for electrically welding pipe, decided May [illegible], 1938, claims 26 and 28.

Pat. 2,035,225, Harry Esterow, Pe[illegible], decided May 10, 1938, claims 1, 2, 3, 4, 6, 8, 10, and [illegible].

Pat. 2,087,849, J. A. Wilson, Proc[illegible] for tanning leather, decided May 7, 1938, claims 4, 6, and 7.

## Condition of Applications Under Examination at Close of Business May 21, 1938

(Total number of applications awaiting action, excluding Trade-Mark Division, 45,585; Trade-Mark Division, 1,529. Oldest new case, Oct. 16, 1937; oldest amended, Sept. 30, 1937.)
(The dates given are 1938 except where † indicates 1937)

| Room No. | Divisions, Examiners, and Subjects of Inventions | Oldest new application awaiting office action | Oldest amended application awaiting office action | No. of applications awaiting action |
|---|---|---|---|---|
| | | New | Amended | |
| 6624 | 1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage. | †Dec. 18 | †Dec. 22 | 768 |
| 6708 | 2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture. | †Dec. 15 | †Dec. 14 | 944 |
| 4602 | 3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces | Mar. 26 | Mar. 11 | 386 |
| 7063 | 4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes. | Feb. 11 | Feb. 7 | 522 |
| 3077 | 5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons.. | Feb. 19 | Feb. 15 | 617 |
| 4609C | 6. LEWERS, A. M., Carbon Chemistry (part) | Jan. 13 | Jan. 19 | 969 |
| 5725 | 7. JARBOE, C. G., Optics; Photography | Feb. 1 | Feb. 1 | 974 |
| 3565 | 8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets | Feb. 9 | Feb. 8 | 607 |
| 4624 | 9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors | Mar. 1 | Feb. 28 | 431 |
| 6612 | 10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices. | Jan. 19 | Jan. 29 | 820 |
| 6957B | 11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather. | Feb. 3 | Feb. 8 | 826 |
| 7701 | 12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes. | †Nov. 8 | †Nov. 8 | 944 |
| 6006 | 13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling. | Jan. 12 | Jan. 12 | 621 |
| 6007 | 14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes. | Mar. 7 | Mar. 5 | 499 |
| 4607 | 15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics | Jan. 28 | Jan. 28 | 1,272 |
| 5716 | 16. SPENCER, C. J., Telegraphy; Telephony | †Dec. 31 | Jan. 2 | 967 |
| 5701 | 17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting. | Jan. 25 | Jan. 26 | 794 |
| 4612 | 18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.. | Jan. 12 | Jan. 18 | 511 |
| 4608 | 19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners | Feb. 1 | Feb. 1 | 655 |
| 6606 | 20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making. | Feb. 8 | Feb. 8 | 419 |
| 7733 | 21. THOMPSON, T. J., Textiles; Cloth Finishing | Feb. 21 | Feb. 21 | 539 |
| 5600 | 22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | Feb. 21 | Feb. 21 | 647 |
| 7624 | 23. BUTTNER, W. J., Registers (part) | †Oct. 16 | †Sept. 30 | 333 |
| 6063 | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Feb. 12 | Feb. 14 | 636 |
| 5709 | 25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors. | Feb. 4 | Feb. 3 | 553 |
| 5602 | 26. YOUNG, R. R., Electricity, Generation; Motive Power | Jan. 31 | Jan. 27 | 536 |
| 5703 | 27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing | †Dec. 1 | †Dec. 1 | 1,047 |
| 4626 | 28. SOLYOM, H. L., Internal-Combustion Engines | Feb. 19 | Feb. 18 | 345 |
| 6063 | 29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables. | †Dec. 2 | †Dec. 2 | 990 |
| 6063 | 30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats. | †Dec. 21 | †Dec. 21 | 817 |
| 4716 | 31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons | Feb. 23 | Feb. 21 | 566 |
| 4603 | 32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating | Feb. 8 | Feb. 16 | 573 |
| 6006 | 33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.... | Feb. 24 | Jan. 31 | 763 |
| 6626 | 34. SAPERSTEIN, B., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders. | Feb. 19 | Feb. 17 | 319 |
| 3676 | 35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles | Feb. 18 | Feb. 23 | 623 |
| 7892 | 36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers | †Dec. 9 | †Dec. 16 | 578 |
| 5606B | 37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits | †Nov. 20 | †Nov. 24 | 847 |
| 3084 | 38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions. | †Nov. 23 | †Nov. 24 | 790 |
| 4678 | 39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances. | Jan. 24 | Jan. 25 | 605 |
| 7880 | 40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles | †Dec. 29 | †Dec. 29 | 1,448 |
| 7812 | 41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part) | Jan. 14 | Jan. 24 | 317 |
| 5882 | 42. CUTTING, H. O., Electric Signaling | †Dec. 1 | †Nov. 11 | 720 |
| 4606B | 43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch. | Feb. 15 | Feb. 15 | 585 |
| 4657B | 44. HARVEY, L. P., Refrigeration; Dispensing Beverages | †Dec. 24 | †Dec. 29 | 741 |
| 7066 | 45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles. | Jan. 21 | Jan. 26 | 823 |
| 4613 | 46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines. | Jan. 26 | Jan. 26 | 606 |
| 6062 | 47. LOWE, E. R. (Act.), Clutches; Brakes | Jan. 31 | Jan. 26 | 648 |
| 5731 | 48. ROEPKE, O. B., Electricity, General Applications; Igniters | Feb. 3 | Feb. 3 | 499 |
| 7726 | 49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification | †Nov. 12 | †Nov. 12 | 962 |
| 4701 | 50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products | Feb. 17 | Feb. 17 | 692 |
| 5628 | 51. BACKUS, C. D., Radiant Energy | Feb. 15 | Feb. 15 | 845 |
| 7709 | 52. KNOTTS, M. E., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits. | Feb. 11 | Feb. 10 | 835 |
| 6007 | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging. | Jan. 18 | Jan. 15 | 714 |
| 5674 | 54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes | Mar. 22 | Mar. 23 | 425 |
| 6063 | 55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery | †Dec. 21 | †Dec. 21 | 1,060 |
| 4726 | 56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making | †Dec. 21 | †Dec. 21 | 1,086 |
| 6613 | 57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys. | Jan. 20 | Jan. 22 | 503 |
| 5605 | 58. DOWELL, E. F., Abrading; Bottles and Jars | Mar. 2 | Feb. 21 | 319 |
| 4709 | 59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation. | Feb. 11 | Feb. 19 | 650 |
| 5606 | 60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants | Jan. 7 | Jan. 10 | 576 |
| 6724 | 61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery. | †Nov. 24 | †Dec. 4 | 712 |
| 5621 | 62. PUGH, E. C. Games; Geometrical Instruments | Mar. 8 | Mar. 2 | 562 |
| 4603 | 63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation | Feb. 25 | Feb. 26 | 330 |
| 4709 | 64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel. | Jan. 17 | Jan. 17 | 1,215 |
| 5612 | 65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission | Jan. 3 | Jan. 3 | 651 |
| 3000B | Trade-Marks, Labels, and Prints: F. A. RICHMOND | Trade-Marks | Apr. 13 | May 2 | 1,338 |
| | | Labels and Prints | May 13 | May 14 | 191 |
| 3085 | Designs: H. H. KALUPY | | Apr. 22 | May 7 | 696 |



# DECISIONS IN PATENT AND TRADE-MARK CASES

## U. S. Court of Customs and Patent Appeals

LUTON *v.* PULLAR

*No. 3,856. Decided December 6, 1937*

[92 F.(2d) 917]

INTERFERENCE—PRIORITY.

Evidence reviewed and *Held* insufficient to establish conception of the invention by the senior party L. before the reduction thereof to practice by P. and *Held* that priority was properly awarded to the latter.

APPEAL from the Patent Office. Affirmed.

*Mr. Elmer Stewart* for Luton.

*Mr. Lee J. Gary* for Pullar.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office reversing the decision of the Examiner of Interferences and awarding priority of invention of the subject matter in issue to appellee.

The interference is between appellant's application No. 535,573, filed May 6, 1931, and appellee's application No. 537,489, filed May 14, 1931.

Appellant is the senior party, having filed his application eight days prior to appellee's filing.

The invention in issue relates to a process of surfacing roads, and, as defined in the counts in issue—Nos. 1 to 5, inclusive—consists in applying a liquid asphaltic oil to the sub-base of a road, placing thereon a layer of "aggregate"—crushed stone, gravel, or other suitable material—mixing the oil with the "aggregate", and then spreading thereon a layer of bituminous material—powdered asphalt—at normal temperatures and causing the bituminous material to absorb the oil in order to form a homogeneous plastic binder.

Count 3, which we think, as did the tribunals of the Patent Office, is illustrative of the appealed counts, reads:

3. The process of surfacing roads which consists in coating the sub-base of the road with a liquid asphaltic oil, applying a layer of aggregate thereon, covering the road with a layer of comminuted solid bituminous material at normal temperatures and causing the oil to be absorbed outwardly toward the surface of the layer of material.

The sole issue in the case is that of originality.

Each of the parties claims that he disclosed the invention in issue to the other. Each denies the claim of the other, and there is no direct corroborating evidence of record to support the claim of either.

The invention was reduced to practice on October 9 and 10, 1930, long prior to the filing of the involved applications, and each of the parties claims the benefit of that reduction to practice to the exclusion of the other.

During the period of time with which we are concerned in this interference—March, 1929, to October 10, 1930—appellant (who at the time of the taking of the testimony in this case was vice president of the Lincoln Oil Refining Company, of Robinson, Ill., hereinafter referred to as the Lincoln Company) was general superintendent of that company and in charge of manufacturing operations, and appellee (who at the time of the taking of the testimony in this case was "general manager, American Mexican Petroleum Corporation") was secretary of the James B. Berry's Sons Company, Chicago, Ill. (hereinafter referred to as the Berry Company), marketers of petroleum products which it purchased from various refining companies, including the Lincoln Company.

It appears from the record that, since 1907, appellee, a chemical engineer, has been associated with various companies in the production and sale of asphaltic products for use on roads and for other purposes; that he acted as technical expert and consulting engineer for those companies, as well as for the Michigan State Highway Department and various cities in Michigan and Ohio, and was familiar with the use of asphaltic materials for use on roads not only as a salesman, but as one expert in that field; that he went with the Berry Company (frequently referred to as the exclusive sales agent for the Lincoln Company) in 1926; that from 1929 to October, 1930, and for sometime thereafter, the Berry Company purchased asphaltic materials, including road oil, from the Lincoln Company and sold such materials to the Indiana State Highway Department and to the roofing trade; and that from the time appellee went with the Berry Company until October, 1930, he had access to, and frequently visited, the Lincoln Company's refinery.

Appellant and appellee, although representing different companies, were mutually interested in the asphaltic materials produced by the Lincoln Company, because the better the materials produced the easier it was to dispose of them to the trade.

Appellant, as general superintendent of the Lincoln Company and in charge of manufacturing operations, was, of course, familiar with the products sold by his company to the Berry Company, and undoubtedly understood the uses to which they were put. Appellant testified, however, that he had had no experience in the building or maintenance of roads.

With these preliminary observations, we may now turn to the claimed activities of the parties relative to the conception and reduction to practice of the involved invention.

It is claimed by appellant that he conceived the invention on or about March 1, 1929. Relative to his conception, he said:

It was conceived on or about March 1st, 1929, in the laboratory of the Lincoln Oil Refining Company. At this time, we were conducting experiments mixing gilsonite with flux oils in order to get a material that would have certain qualifications and be satisfactory for meeting specifications of States, both Indiana and Illinois. It was at this time, while watching Mr. Lloyd mix gilsonite with flux oils, that I conceived the idea of *using powdered gilsonite or a powdered bituminous material* in conjunction with oiled roads to absorb excess oil that might be on the surface of the road. This was occasioned

by the fact that Mr. Lloyd, in order to hasten the mixing action, had finely powdered the portion of the gilsonite to be added to the flux oil. [Italics ours.]

Appellant testified that he immediately disclosed the invention to Mr. T. W. Culmer, at that time chief chemist for the Lincoln Company, and asked him for his opinion as to the results that might be obtained by "coating an oiled road with finely divided or pulverized *gilsonite*"; that a few days later Mr. Culmer reported to him that the "idea had merit and was apparently satisfactory", but that "the use of gilsonite would be limited, if not absolutely prohibited, by its excessive costs." [Italics ours.]

On cross-examination appellant stated that it was during the time the experiments were being made by Mr. Lloyd that he conceived the invention in issue, and that he did not recall that he observed Mr. Lloyd's experiments for any particular length of time. When asked what there was about those experiments that caused him to conceive the invention, appellant stated:

Just merely the fact that seeing the *powdered asphalt* [gilsonite] added to the liquid asphalt and oil, brought to my mind possibly for no reason whatsoever, other than it just happened, brought to my mind the thought that it could be used in the absorption of road oil, which is liquid asphalt. [Italics ours.]

Obviously, appellant had in mind the use of powdered gilsonite, which, according to the testimony of his own witnesses, could not be used in road construction to absorb road oil at normal temperatures.

Appellant further stated that he had never made any experiments with "powdered asphalt" capable of dissolving road oil at normal temperatures prior to his claimed reduction to practice of the involved invention—October 9 and 10, 1930; that on or about September 1, 1930, he disclosed the invention to appellee; and that such disclosure was made in appellant's office at the Lincoln Company's refinery. We quote from appellant's testimony:

During the period of Mr. Pullar's visit, I discussed with him the matter of using our solid material, more in the line of trying to sell him on the idea so that he would be for the proposition *as a marketer*, stating we had manufactured or produced several tons of *solid pitch*, and that the material was too valuable to use as a waste product and asked him whether it would be possible, through his connections with the Indiana State Highway Department, to get an experimental piece of road put in, *using this material on the oiled surface*. [Italics ours.]

It should be explained at this point that the term "solid pitch" used by appellant in his quoted testimony was undoubtedly intended to refer to the solid bituminous material produced by appellant's company during the first part of September, 1930, by means of a so-called "vacuum flash tower" purchased in the spring, delivered in April or May, and installed sometime during the summer of 1930, which material was powdered and later shipped to Jasonville, Ind., where it was used on a road in conformity with the process defined by the appealed counts.

Appellant further stated that appellee, Pullar, advised him that he would immediately get in touch with the Indiana State Highway Department and see what could be done.

Appellant's Exhibits Nos. 4, 6, 7, and 8 are letters from appellee to appellant. They are dated September 27, October 1, October 2, and October 4, 1930, respectively, and, so far as pertinent, read:

*Exhibit No. 4*

With reference to the *talk which I had with you* regarding putting in an experimental strip of road oil with powdered asphalt.

We have taken this matter up with Mr. Hinkle and he is agreeable to doing this, and if you *can arrange to pulverize three or four tons we can go ahead with this experiment just as soon as you are ready*. I think it would be well to do this within the next couple of weeks if possible.

For the experiment, if you so desire, *you can pulverize the hard Holmes-Manley residue which you have on hand, as in my opinion* there would be very little difference between how this would work and a 50–50 blended powdered asphalt would work on the road. *If for any reason this does turn out as good as I hope it will be of very material assistance* in holding our present position in Indiana. [Italics ours.]

*Exhibit No. 5*

We are just in receipt of letter from Mr. H. C. Offutt, District Engineer, advising that the pulverized asphalt experiment will be made on Road 59 just outside of Jasonville, and they have ordered a 10,000-gallon car of A–60 to be shipped to Jasonville as soon as we are in position to ship the pulverized asphalt.

* * * * * *

In view of the uncertainty of the weather I hope that you will be able to get this pulverized asphalt ready as soon as possible. I think it is of the utmost importance to try and get this work done under as favorable conditions as we can at this time of the year.

*Exhibit No. 6*

With reference to your letter of October 1 regarding powdered asphalt. Attached find copy of letter I am writing Mr. Offutt, District Engineer.

I wish you would, therefore, in accordance with this letter, ship the approximate 3½ tons of powdered asphalt to the Indiana State Highway Commission, Jasonville, Indiana; notify Mr. Steve Stalcup, Linton, Indiana.

*Exhibit No. 8*

With further reference to Indiana State Highway experimental road.

* * * * * * *

I have advised Mr. Offutt, District Engineer, that we will be ready to put on the experimental job next Thursday, October 9th, and will unload the cars at Petersburg and Tell City Friday and Saturday.

Please arrange to have the powdered asphalt and car of road oil on hand at Jasonville by Thursday. Should there be any change in plans due to Mr. Offutt I will wire you the first thing Monday morning.

Appellant testified that immediately prior to the construction of the experimental piece of road near Jasonville, Ind., he talked with the witness Franke in the presence of the witness Stover, told him of the amount of powdered asphalt the Lincoln Company had on hand, and suggested the various quantities of powder that should be distributed over different sections of the road.

The witness Stover testified that he was not present when the alleged conversation between appellant and the witness Franke took place, but that Mr. Franke was at the Lincoln Company's plant and talked to appellant the day before the experimental road was constructed.

The witness Franke stated that he had no recollection of any conversation with appellant regarding the building of the experimental road.

The witness Irwin W. Lloyd, a chemist employed by the Lincoln Company, testifying for appellant, stated that, in March or April, 1929, he made certain experiments with powdered gilsonite and asphaltic oil, and attempted to mix them together in an effort to have the gilsonite absorb the oil; that, in order to accomplish that purpose, it was necessary to heat the oil to a temperature of approximately 300° F.; that he also experimented with a combination of an aggregate (consisting of "mortar sand"), asphaltic oil, and powdered gilsonite, but that there was no apparent action until the oil was heated to a temperature of about 325° F.; and that, after the three ingredients had been subjected to that degree of heat for several hours, there was "a slight appearance that some fluxing had taken place." (The exact quantities of the three ingredients used were not stated, but it appears that they were not large and were heated in pans in an oven specially designed for the making of tests.) The witness stated that the chief chemist of the Lincoln Company, T. W. Culmer, was present during the making of those experiments. There is nothing in the testimony of the witness to indicate that his experiment in mixing the aggregate, the powdered gilsonite, and the heated oil was a success.



The witness T. W. Culmer, chief chemist of the Lincoln Company, testifying for appellant, stated that appellant had disclosed the invention to him in March, 1929; that his disclosure was

"that instead of heating, we could possibly get a bond by *powdering gilsonite* and applying it to an oil coated material." [Italics ours.]

that it was this disclosure and a request by appellant that experiments be made that resulted in the tests made by the witness Lloyd with gilsonite, oil, and an aggregate hereinbefore set forth; that, in carrying out the idea of appellant, it was decided that gilsonite was too expensive (as a matter of fact it appears that gilsonite could not be made to absorb oil readily at normal temperatures, but that it was necessary to heat the oil to at least 300° F.); that, because gilsonite was so expensive, an effort was made to secure a powdered asphaltic material for road building more suitable for that purpose; and that a "vacuum tower" was installed at the Lincoln Company's plant, and the solid bituminous material—the powdered asphalt used in reducing the invention to practice—was produced by his company in August, 1930.

There is nothing in the testimony of the witness to indicate that appellant ever mentioned any material other than gilsonite for use with an aggregate and oil in road building. On the contrary, he stated positively that appellant's idea was to

"employ *powdered gilsonite in cold* on a material which was coated with oil—a thin oil or a road oil." [Italics ours.]

Appellant's witness N. T. Stover, sales manager of the Lincoln Company, testified that soon after the laboratory experiments made in March and April, 1929, appellant and the witness Culmer explained the experimental work which had been done "with the material which they thought they could make in the plant." He further stated that the new material which had never been produced by the Lincoln Company, but which was contemplated, was for the first time produced by that company in the spring of 1930 by the use of the "vacuum tower." (It will be recalled that the "vacuum tower" was installed sometime during the summer of 1930, and that, according to the testimony of appellant, the so-called "new material" was not produced until the first part of September of that year.) The witness further stated that the "vacuum tower" was purchased in the late fall or winter of 1929, and that he was testifying entirely from memory. On cross-examination, referring to the disclosure by appellant to him of the involved invention, he said that

"One morning when * * * [they] were together [in the spring of 1929], Mr. Luton said that he had completed some tests in the laboratory which indicated that *we could make a pitch which would have some possibilities* in road materials and perhaps other lines and we talked about an insulation of refrigerators and several other possibilities and explained that he could use up a quantity of this residuum [the heavy residuums resulting from the refining of oil] at a higher priced material if the Board of Directors would approve an expenditure to make this in a commercial way and wanted to know what I thought of the possibilities of finding a market for it.". [Italics ours.]

It is clear, we think, from what has been said, that the only experiments made by appellant or his witnesses Culmer and Lloyd were with gilsonite and heated asphaltic oil, and those materials in combination with an aggregate of "mortar sand", and that the experiments with gilsonite, asphaltic oil, and "mortar sand" were not successful, even when the ingredients were heated to a temperature of approximately 325° F.

Each of the tribunals of the Patent Office held, and correctly so we think, that, due to the fact that the counts are limited to a solid bituminous material which will absorb asphaltic oil "at normal temperatures", the gilsonite experiments could be considered for no purpose other than that of fixing the date when appellant claims to have conceived the involved invention.

There is nothing in the testimony of the witness Stover that, by any stretch of the imagination, can be considered as in any way indicating any disclosure to him by appellant of the involved process.

The witness Lloyd did not testify that the involved invention had ever been disclosed to him by appellant.

The witness Culmer stated, as hereinbefore noted, that the disclosure to him by appellant was the possible application of gilsonite to an oiled road in the absence of heat.

From a careful consideration of the testimony of appellant and his witnesses, we think the observation may be fairly made that there is nothing in that testimony to indicate that either appellant or his witnesses had any conception of any solid bituminous material that would absorb oil at normal temperatures in March or April, 1929, or at any time thereafter prior to September, 1930, when such a material was produced by the Lincoln Company. Indeed, there is nothing in their testimony to indicate that, at that time or at any time prior to the construction of the experimental road, they were aware of the fact that the solid bituminous material produced by the Lincoln Company in September, 1930, would absorb oil at normal temperatures.

That appellant, in March, 1929, when he claims to have disclosed the invention to the witness Culmer, had in mind gilsonite, is not open to serious question. How, then, can it held that he has established that at any time prior to the construction of the experimental road he had a conception of the invention in issue; that is, a process of

"coating the sub-base of * * * [a] road with a liquid asphaltic oil, applying a layer of aggregate thereon.

covering the road with a layer of comminuted solid bituminous material at normal temperatures and causing the oil to be absorbed outwardly toward the surface of the layer of material"?

It may be that appellant had such a conception in September, 1930, or at some time prior thereto, but, if he had, there is nothing in his testimony or that of his witnesses to establish that fact.

We hold, therefore, that the evidence introduced by appellant is wholly insufficient to establish that he had any conception of the involved invention at any time prior to October, 1930.

The powdered bituminous material produced by the Lincoln Company in September, 1930, was used in the building of an experimental piece of road near Jasonville, Ind., on October 9 and 10, 1930. The road was constructed in conformity with the invention defined in the counts in issue; that is to say, the sub-base of the road was coated with unheated asphaltic oil, an aggregate was spread thereon, and the surface was then covered with comminuted solid bituminous material produced by the Lincoln Company.

It is agreed by counsel for the parties that the construction of the experimental road amounted to a reduction to practice of the involved invention, and the tribunals of the Patent Office so held.

Appellee testified that, in the winter of 1929, he attended an "Asphalt Convention" at French Lick Springs, Ind., and heard two "papers" read on "cold mixes"; that, although he had used powdered asphalt for years prior thereto for other commercial purposes, it was after hearing those "papers" that he became interested in the use of powdered asphalt for "paving purposes"; that, thereafter, during the winter of 1929 and 1930, he did a considerable amount of experimental work with powdered asphalt at his home in Chicago; that it was some time in the early spring of 1930 that he conceived the involved invention; that he disclosed the invention to his assistant, Mr. W. J. Franke, and, shortly thereafter, to Mr. A. H. Hinkle (at that time superintendent of maintenance of the Indiana State Highway Commission, whose duty it was to maintain the State highways, which included the resurfacing of roads, which work was carried on under his supervision); that, although he did not recall the exact dates when he disclosed the invention to Franke and Hinkle, he was certain that such disclosures were made in the winter or early spring of 1930, because, he said, it was immediately prior to the time when the Indiana State Highway Department let contracts for the furnishing of oil for use on the roads in that State for that year; that it was the practice of the State Highway Department to let those contracts in the spring of each year; that he was interested as the representative of the Berry Company in supplying oil to the State of Indiana, and, therefore, recalls that, having first disclosed the invention to his assistant, Franke, he took the matter up with Mr. Hinkle for the purpose of getting his consent to permit a piece of road to be constructed in accordance with his invention; that he was thoroughly familiar with the practice of the Indiana State Highway Department; and that it usually took from three to six months to secure its approval for the construction of an experimental piece of road, and the designation of a road for such purpose.

Appellee further stated that he disclosed the invention to appellant and to the witness Culmer during the summer of 1930, at which time they were considering the advisability of producing a "hard asphalt" for use as a fuel.

It may here be stated that, although Mr. Culmer testified for appellant, he was not asked whether appellee had disclosed the invention to him in the summer of 1930, and he did not deny appellee's statement that he had.

The witness William G. Franke testified that in 1930 he was a salesman for the Berry Company, and that appellee was his immediate superior. He stated that he was familiar with the involved invention and that it was disclosed to him by appellee in the "spring or early summer of 1930 * * * possibly May or June." He stated that it was his duty to get a test road put in by the Indiana State Highway Department, and that, therefore, he discussed the matter with the witness Hinkle, who was in charge of the maintenance of roads in that State. He further stated that appellee explained to him the character of a solid bituminous material that would absorb asphaltic oil at normal temperatures. In fixing the time when the invention was disclosed to him by appellee, the witness stated that it was several months prior to the construction of the experimental road—October 9 and 10, 1930.

The witness A. H. Hinkle testified that appellee disclosed the invention to him in the late winter or early spring of 1930; that, although he could not state definitely the exact date, he was positive that it was made to him at a time when he and appellee were discussing the summer program relative to the oiling and resurfacing of the roads in that State; that their summer programs for such work were arranged in the winter or early spring of each year; and that at that time, probably in March or April, appellee not only disclosed the invention to him, but requested permission "to lay an experimental strip of road" in accordance with his disclosure. He stated that appellee had called on him several times during the summer of 1930, and on each occasion discussed the involved invention and the proposed experimental construction.

The witness H. C. Offutt, who at the time of testifying was a salesman for the Lincoln Company but who in 1930 was district engineer with the Indiana State Highway Department, testifying for appellant, stated that, on or about the 23–25 of September, 1930, when he was in conference with the witness Hinkle and appellee it was decided to put in an experimental piece of road in accordance with the involved invention; that the witness Hinkle gave him detailed instructions as to how the road should be put in; that there was considerable discussion between appellee and the witness Hinkle as to the amount of powdered asphalt to be used in constructing the road; that appellee suggested that more powdered asphalt be used than Mr. Hinkle thought was necessary; that he (the witness) was told by Mr. Hinkle to use about one-quarter pound per square yard; that he instructed the witness Steve Stalcup (who testified for appellant and who was district engineer in charge of the Linton, Ind., sub-district) to build the experimental road near Jasonville, Ind., in accordance with the instructions he (Offutt) had received from Mr. Hinkle.



The witness Steve Stalcup testified that the experimental road was constructed under his supervision on October 9 and 10, 1930; that he had received instructions from the witness Offutt to use varying quantities of powdered asphalt on different sections of the road so that the correct amount to be used in the future might be determined; that a road of about $3\frac{1}{16}$ miles in length was constructed in accordance with the involved invention; that appellee and the witness Franke were present on October 9, when the road was started and remained until about one-half mile was completed; that Franke was present on October 10, but that appellee was not; that he discussed with appellee the amount of powdered asphalt to be used on the road; that they agreed upon the amount which was used—about one-quarter pound per square yard; and that appellee made suggestions during the construction of the road as to what should be done.

It clearly appears from the record that neither appellant nor any other representative of the Lincoln Company was present during the construction of the road; that the road was a success; that the powdered asphalt—about $3\frac{1}{2}$ tons—was furnished by the Lincoln Company; and that the State of Indiana furnished the oil, the equipment, and the labor necessary to do the work.

After the work of constructing the road was completed, appellee wrote to appellant, under date of October 14, 1930, as follows:

> We put in the experimental road using the powdered asphalt last Thursday and Friday, and I am very pleased to inform you that the results so far obtained have *more than met my most optimistic expectations.* The Indiana State Highway officials also seem to be much pleased, and unless something goes wrong I am inclined to think that this is going to be of material assistance to us in retaining our good standing in Indiana.
>
> From my experience in working with this powdered asphalt I am, however, inclined to feel that you are going to be obliged to separate the Holmes-Manley tar from the pipe still vacuum flux asphalt, as these two do not seem to mix properly. I will discuss this matter more fully with you the next time I see you.
>
> The results in Indiana are so encouraging that I would like to try out this powdered asphalt in connection with the treatment of earth roads in Illinois and if you could arrange to supply about an additional ton of material I can arrange to have it tried out on earth road construction this fall, and see how it goes through the winter. If by chance it should prove satisfactory for earth roads it will, of course, open up a large market in Illinois. I believe the possibilities of success are worth the expense and effort involved. [Italics ours.]

On this record, the Examiner of Interferences held that appellant conceived the invention prior to September, 1930, the exact time not being stated; that, so far as appellee's activities were concerned, he was acting as an employee of the Lincoln Company; that appellant disclosed the invention to appellee; and that, therefore, appellant was entitled to an award of priority.

On appeal, the Board of Appeals reversed the decision of the Examiner of Interferences and held that appellee was the first to conceive the invention; that he was not employed by the Lincoln Company; that the doctrine of employer-employee was not applicable; and that appellee was entitled to an award of priority.

It is argued by counsel for appellant that as appellee's witnesses Hinkle and Franke were testifying solely from memory as to what occurred four years prior thereto, their testimony was wholly insufficient to warrant a holding that appellee had actually disclosed the invention to them during the spring or summer of 1930.

It is true that those witnesses testified without documentary evidence to refresh their memory. However, each fixed the time of appellee's disclosure of the invention to him by the happening of known events, and neither, so far as it appears of record, had the slightest interest in the outcome of this proceeding. Both, of course, might be mistaken as to the time when appellee disclosed the invention to them. We are of opinion, however, considering the character of the witnesses, the apparent frankness with which they gave their testimony, and other circumstances appearing of record, that they are not mistaken, and that appellee disclosed the invention to them in the spring or early summer of 1930.

Appellant's Exhibits Nos. 4, 6, 7, and 8, hereinbefore quoted, would seem to indicate that appellee was advising appellant relative to the bituminous material to be used on the experimental road, and that he was urging that there be no undue delay by appellant's company in supplying such material. There is nothing in those exhibits to indicate that appellant had disclosed the invention to appellee. On the contrary, Exhibit No. 4 tends to indicate, in view of all the facts of record, that it was appellee, not appellant, who had made a disclosure of the invention. In that exhibit appellee referred to the talk he had with appellant and stated that if the experiment proved as successful as he hoped it would their position in Indiana would be improved. Furthermore, the letter from appellee to appellant under date of October 14, 1930, indicates clearly appellee's intense interest in the invention. He there stated that the success of the experimental road "more than met *my* most optimistic expectations." [Italics ours.] Certainly there is nothing in any of those exhibits to suggest that in September and October, 1930, appellee thought that appellant was the inventor of the involved process.

It clearly appears from the record that appellee was not at any time in the employ of either the Lincoln Company or appellant, and that the relationship of the parties was not such as to warrant the application in this case of the "employer-employee doctrine."

We hold, therefore, that appellee is entitled to the benefit of the building of the experimental road near Jasonville, Ind., as a reduction to practice of the involved invention; that he is the first and orig-

inal inventor of the subject matter in issue; and that he is entitled to an award of priority.

The decision of the Board of Appeals is affirmed.

Affirmed.

GRAHAM, J., sat during the argument of this case, but died before the opinion was prepared.

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## U. S. Court of Customs and Patent Appeals

KELVINATOR CORPORATION

*v.*

NORGE CORPORATION (BORG-WARNER CORPORATION, ASSIGNEE, SUBSTITUTED)

*No. 3,998. Decided February 7, 1938*

[94 F.(2d) 384]

TRADE-MARKS—OPPOSITION—SIMILARITY OF MARKS—"AEROLATOR" AND "KELVINATOR".

"Aerolator" for use on air-conditioning apparatus held not confusingly similar to opposer's registered mark "Kelvinator" used on goods of the same descriptive properties.

APPEAL from Patent Office. Affirmed.

*Mr. Donald B. Waite, Mr. Theodore A. Hostetler,* and *Mr. Wells F. Estabrook* for Kelvinator Corporation.

*Mr. Lin D. Bush, Messrs. Bacon and Thomas,* and *Mr. Charles M. Thomas* for Norge Corporation.

HATFIELD, *J.:*

This is an appeal from the decision of the Commissioner of Patents in a trade-mark opposition proceeding affirming the decision of the Examiner of Interference dismissing the opposition of appellant, and holding appellee to be entitled to the registration of its trade-mark "Aerolator", for use on air-conditioning apparatus.

In its application, appellee stated that it had used the trade-mark on its goods since November 17, 1933.

It appears from the record that appellant is the owner of registration No. 142,652, issued May 19, 1931, on an application filed May 28, 1920, of the trade-mark "Kelvinator" for use on refrigerating apparatus; that, long prior to the adoption and use by appellee of its mark "Aerolator", appellant had used its mark on other goods, such as air-conditioning apparatus, domestic and commercial refrigerators, automatic heating equipment, and similar articles; that appellant has advertised its trade-mark and its goods extensively throughout the United States and in foreign countries, and that it has expended large sums of money in such advertising, approximately $6,000,000 in the four-year period ending immediately prior to the taking of the testimony in this case—September, 1935; that the goods of the parties possess the same descriptive properties.

The sole issue in the case is whether the marks "Kelvinator" and "Aerolator" are so similar that, when used on the goods of the respective parties, confusion in the mind of the public is likely to result.

Counsel for appellant argue that the marks of the respective parties end in the suffix "ator", and that the prefix "Aerol" of appellee's mark is not sufficiently dissimilar from the prefix "Kelvin" of appellant's mark to prevent the marks as a whole from being confusingly similar when used on goods of the same descriptive properties.

It is not urged that the suffix "ator" is the dominant feature of either of the marks, and it obviously is not.

The suffix "ator" is very common. It appears as a part of the names of various mechanical contrivances, such as refrigerator, percolator, dehydrator, fumigator, aerator, circulator, evaporator, desiccator, and gyrator, as well as a part of other commonly used words, such as arbitrator, orator, mediator, etc.

If we may again indulge in a dissection of the marks, solely for the purpose of the discussion, we think it fair to say that the prefixes "Kelvin" and "Aerol" are quite dissimilar. When correctly pronounced, appellee's trade-mark is Ā'ĕrōlator".

The goods of the parties are comparatively expensive, and, as stated in the case of *International Silver Co.* v. *The American Silver Co.*, 17 C. C. P. A. (Patents) 871, 37 F.(2d) 622, 1930 C. D. 266, 395 O. G. 339, are purchased with a

> "considerable degree of care and discrimination upon the part of the purchaser. * * * They are not a matter of every-day purchase upon the part of an individual, like food products or other products that require frequent replacement."

Considering the marks in their entirety, the character of the goods of the parties and the degree of care and discrimination exercised by the purchasers of them, we are of opinion that their concurrent use by the parties on their respective goods would not be likely to cause confusion or mistake in the mind of the public, and that appellee is entitled to the registration of its mark.

The decision is affirmed.

Affirmed.

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## Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,262,860, S. B. Smith, Incubator, D. C., S. D. Calif. (Los Angeles), Doc. E 81–D, *S. B. Smith* v. *J. J. Oliver et al.* Doc. E 82–D, *S. B. Smith* v. *J. Bouckhout et al.* Doc. E 83–D, *S. B. Smith* v. *F. Schroeder et al.* Doc. E 84–D, *S. B. Smith* v. *A. H. Rohrs et al.* Doc. E 86–D, *S. B. Smith* v. *A. F. Fuller et al.* Doc. E 87–D, *S. B. Smith* v. *A. M. Clark.* Doc. E 88–D, *S. B. Smith* v. *S. B. Kerner et al.* Doc. E 90–D, *S. B. Smith* v. *C. D. Sturtevant et al.* Doc. E 91–D, *S. B. Smith* v. *J. F. Stone et al.* Doc. E 93–D, *S. B. Smith* v. *B. H. Hiestand.* Doc. E 94–D, *S. B. Smith* v. *I. R. Jones.* Doc. E 95–D, *S. B. Smith* v. *C. B. Yates et al.* Doc. E 96–D, *S. B. Smith* v. *A. E. Tappe.* Doc. E 97–D, *S. B. Smith* v. *J. Dreith.* Dismissed with prejudice April 7, 1938, in each of above cases. Same, D. C., N. D. Calif. (Sacramento), Doc. 1208–L, *S. B. Smith* v. *E. Bachli.* Doc. 1209–S, *S. B. Smith* v. *C. J. Bender et al.* Doc. 1210–L, *S. B. Smith* v. *H. H. Godfrey.* Doc. 1211–S, *S. B. Smith* v. *J. Dryden et al.* Doc. 1212–L, *S. B. Smith* v. *H. F. McCracken.* Doc. 1213–S, *S. B. Smith* v. *G. Sommers.* Doc. 1214–L, *S. B. Smith* v. *E. E. Sanders.* Doc. 1215–S, *S. B. Smith* v. *E. T. Lindley.* Doc. 1217–S, *S. B. Smith* v. *C. Bihn.* Doc. 1218–L, *S. B. Smith* v. *J. Cummings.* Doc. 1219–S, *S. B. Smith* v. *O. E. Taylor.* Dismissed April 11, 1938, in each of above cases.



1,389,059, W. W. Lester, Air-preheating mechanism for mill furnaces, C. C. A., 6th Cir., Doc. 7565, *W. W. Lester* v. *The American Rolling Mill Co.* Patent held not infringed April 7, 1938.

1,410,662, C. Evans, License plate, filed April 6, 1938, D. C., S. D. Calif. (Los Angeles), Doc. E 1367–C, *L. E. Stark et al.* v. *Pep Boys.*

1,416,553, C. M. Garland, Apparatus for blowing soot from the tubes of boilers, C. C. A. 8th Cir. (St. Louis), Doc. 11012, *Diamond Power Specialty Corp.* v. *The Bayer Co.* Decree affirmed Mar. 31, 1938.

1,431,070, J. Klein, Parlor floor lamp, D. C., N. D. Ill., E. Div., Doc. 15059, *Colonial Premier Co.* v. *E. Ruttenberg.* Consent decree, finding patent valid as to claim 1 Jan. 13, 1938.

1,521,888, H. Kanoffsky, Non-breakable button, D. C., S. D. N. Y., Doc. E 85/45, *Non-Breakable Button Corp.* v. *Flexible Tuft Corp.* Consent order of discontinuance (notice Apr. 12, 1938).

1,577,729, J. Koebig, Process for the production of lasting colored stains in and upon the surface of cement or other building material, D. C., S. D. Calif. (Los Angeles), Doc. E 920–C, *Color Control Co.* v. *H. H. Rohloff et al.* (*Rohloff & Carver*). Dismissed Mar. 31, 1938.

1,643,159, S. Greenberg, Child's overcoat, D. C., S. D. N. Y., Doc. E 79/376, *Louis Greenberg & Bro., Inc.*, v. *Littmann's Women's Apparel Corp. et al.* Dismissed without prejudice (notice Apr. 11, 1938).

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1,658,514, L. Carp et al., Button (declaratory judgment), D. C., S. D. N. Y., Doc. E 84/289, *Cromwell Novelty Corp.* v. *L. Carp et al.* Dismissed on merits (notice Apr. 4, 1938).

1,739,492, Berndt & Halloran, Machine for producing raised printing, D. C., E. D. Wis. (Milwaukee), Doc. 5177, *R. F. Berndt et al.* v. *P. J. Barnard.* Patent held valid Apr. 9, 1938.

1,800,558, Moran & Lee, Goggles, D. C., N. D. Ill., E. Div. Doc. 15916, *Willson Products, Inc.*, v. *R. Malcom et al.* Dismissed without prejudice Mar. 17, 1938.

1,825,389, Frisch & Rosenberg, Adhesive applying device, D. C., S. D. N. Y., Doc. E 85/382, *M. A. Frisch* v. *Uneeda Doll Co., Inc.* Consent order of discontinuance Apr. 8, 1938.

1,910,715, Ryden & Schrodt, Garment, filed Apr. 6, 1938, D. C., S. D. N. Y., Doc. E 1368–J, *M. R. Barnes et al.* (*Hollywood Silk Mills*) v. *Pacific Knitting Mills.*

1,919,674, L. Wenczel, Pneumatic puffing machine, D. C., S. D. N. Y., Doc. E 86/292, *W. Gillman et al.* (*Sterling Airbrush Co.*) v. *M. Bergwardt et al.* Consent decree for plaintiff Apr. 1, 1938.

1,926,644, Buono & Buono, Sewing machine, D. C., S. D. N. Y., Doc. E 77/186, *J. Buono et al.* v. *J. Schifter.* Dismissed (notice Apr. 1, 1938).

1,941,432, A. L. Doering, Metallic window structure, D. C., E. D. Pa., Doc. 9689, *J. S. Thorn Co.* v. *Michael Flynn, Inc., et al.* Dismissed Apr. 1, 1938.

1,959,321, W. H. Wedger, Method and composition for use in securing together pieces of stock, filed Apr. 14, 1938, D. C., W. D. N. Y., Doc. 2218, *B. B. Chemical Co.* v. *Cataract Chemical Co., Inc.*

1,968,030, R. de Filippis, Automatic gearless transmission, D. C., S. D. N. Y., Doc. E 84/308, *R. de Filippis* v. *Chrysler Sales Corp.* Dismissed without prejudice (notice Apr. 4, 1938).

1,968,712, J. Schonholtz et al., Watch dial construction, D. C., S. D. N. Y., Doc. E 80/103, *Swiss Radium & Dial Painting Co., Inc., et al.* v. *Bulova Watch Case Co., Inc.* Dismissed without prejudice (notice Apr. 9, 1938).

1,971,682, H. W. Hoch, Garment, D. C., S. D. N. Y., Doc. E 80/364, *London Weatherproof, Inc.*, v. *Jaffee-Cohen & Lang, Inc.* Consent order of discontinuance without prejudice (notice Apr. 2, 1938).

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1,983,187, B. M. Oswell, Counter set-up rack, filed Mar. 17, 1938, D. C., N. D. Ill., E. Div., Doc. 15983, *B. M. Oswell* (*Guarantee Metal Products*) v. *Bloomfield Mfg. Co.*

1,997,889, K. Smith, Golf club and method of manufacturing same, filed Apr. 1, 1938, D. C., S. D. Calif. (Los Angeles), Doc. E 1364–J, *K. Smith* v. *S. Thompson.*

2,030,466, I. R. Paris, Double dummy bridge games, filed Apr. 5, 1938, D. C., S. D. N. Y., Doc. E 86/382, *Tom Thumb Sales Corp. et al.* v. *Autobridge, Inc.*

2,042,648, W. M. Ziegler, Floating tool holder, D. C., E. D. Mich. (Detroit), Doc. 7800, *W. M. Ziegler* v. *J. C. Glenzer et al.* Dismissed Apr. 11, 1938.

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2,070,924, H. Derman, Wardrobe, cabinet, and the like, D. C., S. D. N. Y., Doc. E 85/5, *H. Derman* v. *L. Gersten.* Consent order of discontinuance (notice Apr. 1, 1938).

2,078,099, Rotelli & Saxe, Brassière, filed Apr. 4, 1938, D. C., S. D. N. Y., Doc. E 86/380, *D. Rotelli* (*Quest-Shon Mark Brassiere & Corset Mfg. Co.*) v. *Spirito Mfg. Co.*

2,082,712, D. G. McIvor, Insect exterminator, D. C., N. D. Calif. (San Francisco), Doc. E 4188–R, *D. G. McIvor* v. *Chemurgic Corp.* Claims 1, 2, 4, and 5 held invalid, bill and cross-bill dismissed Apr. 4, 1938.

2,086,325, N. Frankel, Detachable and adjustable cap for garments, D. C., E. D. N. Y., Doc. E 8416, *N. Frankel* v. *Sears, Roebuck & Co.* Decree for defendant, dismissing bill Apr. 12, 1938.

2,087,519, J. P. Lynn, Mechanical pencil, filed Mar. 11, 1938, D. C., N. D. Ill., E. Div., Doc. 15978, *Dur-O-Lite Pencil Co.* v. *Autopoint Co.*

2,092,745, E. A. Horton, Dispensing device, filed Mar. 7, 1938, D. C., N. D. Ill., E. Div., Doc. 15971, *The Cone Dispenser Corp.* v. *Illinois Baking Corp.*

2,096,672, J. Goodson, Practice apparatus for card games, filed Mar. 29, 1938, D. C., S. D. N. Y., Doc. E 86/372, *Autobridge, Inc., et al.*, v. *Tom Thumb Corp.*

2,100,868, A. Oppenheimer, Jr., Slip cover for furniture, filed Apr. 7, 1938, D. C., S. D. N. Y., Doc. E 86/387, *The Comfy Mfg. Co.* v. *Hecht Co.*

2,101,681, L. J. Josephs, Attaching tip for suspender cords, filed Apr. 2, 1938, D. C., S. D. N. Y., Doc. E 86/379, *Han-Del Mfg. Co., Inc.*, v. *S. Froehlich, Inc., et al.*

2,105,783, W. Gersten, Cabinet, D. C., S. D. N. Y., Doc. E 86/255, *L. Gersten et al.* v. *Decorative Cabinet Corp. et al.* Consent order of discontinuance (notice Apr. 1, 1938).

2,110,118, Robertson & Staples, Fabric and method of and apparatus for treating same, filed Apr. 12, 1938, D. C., S. D. N. Y., Doc. E 86/399, *Mount Hope Finishing Co.* v. *Seneca Textile Corp.*

2,112,723, I. J. Wisoff, Decorative material, filed Apr. 15, 1938, D. C., E. D. N. Y., Doc. E 8518, *I. J. Wisoff et al*, v. *M. Friedman.*

2,113,556, A. H. de Rocher, Disc plow, filed Apr. 5, 1938, D. C., W. D. Wash. (Seattle), Doc. 1217, *Electric Steel Foundry* v. *Western Steel Casting Co., Inc.*

Re. 19,710, Pollak & Ostersetzer, Condensation product and method of making same, D. C., S. D. N. Y., Doc. E 82/257, *Catalin Corp. of America* v. *Bakelite Corp.* Consent order of discontinuance without prejudice (notice Apr. 11, 1938).

Re. 19,929, G. Slayter, Method of heat insulating, filed Apr. 7, 1938, D. C. Md., Doc. E 2538, *Slayter & Co.* v. *General Insulation, Inc.*

Re. 20,445, J. Newmark, Valve stem handle, D. C., E. D. N. Y., Doc. E 8325, *Die Casting Corp. of America* v. *Crest Mfg. Co., Inc.* Decree pro confesso Apr. 8, 1938.

Des. 86,531, J. C. Marsellus, Burial casket, D. C., E. D. Pa., Doc. 9595, *Marsellus Casket Co., Inc.*, v. *Boyertown Burial Casket Co.* Consent decree dismissing bill without prejudice Apr. 6, 1938.

Des. 94,645, M. Bernstein, Ensemble dress, D. C., S. D. N. Y., Doc. E 80/80, *Ace-High Dresses, Inc.*, v. *Benfrey Dress Co., Inc.* Consent order of discontinuance (notice Apr. 4, 1938).

Des. 94,647, M. Bernstein, Ensemble dress, D. C., S. D. N. Y., Doc. E 80/330, *Ace High Dresses, Inc.*, v. *Benfrey Dress Co., Inc.* Consent order of discontinuance (notice Apr. 4, 1938).

Des. 94,725, M. Bernstein, Ensemble dress, D. C., S. D. N. Y., Doc. E 81/9, *Ace-High Dresses, Inc.*, v. *Benfrey Dress Co., Inc.* Consent order of discontinuance (notice Apr. 4, 1938).

Des. 94,860, M. Bernstein, Ensemble dress, D. C., S. D. N. Y., Doc. E 80/331, *Ace-High Dresses, Inc.*, v. *Benfrey Dress Co., Inc.* Consent order of discontinuance (notice Apr. 4, 1938).

Des. 98,542, J. Minoff, Knitted fabric, D. C., S. D. N. Y., Doc. E 85/56, *J. Minoff et al.* (*Raynit Mills*) v. *Rounit Mills, Inc.* Consent order of discontinuance (notice Apr. 7, 1938).

Des. 101,864, H. Felmann, Lady's hand bag, filed Apr. 1, 1938, D. C., S. D. N. Y., Doc. E 86/377, *Morris Mann & Reilly, Inc.*, v. *Strand Leather Goods Co., Inc.*

Des. 102,222, J. J. Blackstone, Embroidered net, D. C., S. D. N. Y., Doc. E 84/213, *J. J. & M. Blackstone, Inc.*, v. *Blanck & Co., Inc.* Consent decree for plaintiff (notice Apr. 13, 1938).

Des. 102,487, L. H. Mendelsohn, Hosiery, D. C., E. D. Pa., Doc. 9961, *Excello Hosiery Mills* v. *Sunrise Knitting Mills, Inc.* Consent decree granting injunction Apr. 13, 1938.

Des. 103,113, M. Lippert, Shoe, D. C., S. D. N. Y., Doc. E 85/54, *M. Lippert et al.* v. *Duane Footwear Corp.* Consent order of discontinuance (notice Apr. 1, 1938).

Des. 103,369, J. E. Grotta, Gilet, D. C., S. D. N. Y., Doc. E 85/35, *J. E. Grotta et al.* v. *Foremost Fashions in Neckwear, Inc.* Consent decree for plaintiff (notice Apr. 7, 1938).

Des. 104,074, D. Lewis, Straw handbag, D. C., S. D. N. Y., Doc. E 85/100, *Nat. Lewis Purses, Inc.*, v. *Graceline Handbags, Inc.* Consent decree for plaintiff (notice Apr. 7, 1938).

Des. 107,159, B. Fried, Dress, D. C., S. D. N. Y., Doc. E 86/232, *Columbia Dance Frocks, Inc.*, v. *Penelope Frocks, Inc.* Consent decree of discontinuance (notice Apr. 7, 1938). Same, filed Apr. 8, 1938, D. C., S. D. N. Y., Doc. E 86/394, *Columbia Dance Frocks, Inc.*, v. *S. Wicha, Inc.*

Des. 108,687, P. Schlessel, Dress, filed Mar. 25, 1938, D. C., S. D. N. Y., Doc. E 86/367, *N. Y. Dress & Costume Co., Inc.*, v. *Elect Dress Co., Inc., et al.*

Des. 108,833, M. Green, Gilet, filed Apr. 11, 1938, D. C., S. D. N. Y., Doc. E 86/396, *M. Green* v. *Levy, Baar, & Beards Corp.*

## Trade-Mark Registrations Canceled

136,963. Section of periodical. Textile Publishing Company, New York, N. Y. Registered November 9, 1920. Canceled May 20, 1938.

186,694. Publication. Textile Publishing Company, New York, N. Y. Registered July 22, 1924. Canceled May 20, 1938.

186,695. Publication. Textile Publishing Company, New York, N. Y. Registered July 22, 1924. Canceled May 20, 1938.

186,696. Publication. Textile Publishing Company, New York, N. Y. Registered July 22, 1924. Canceled May 20, 1938.

189,765. Publication. Textile Publishing Company, New York, N. Y. Registered September 23, 1924. Canceled May 20, 1938.

192,908. Publication. Textile Publishing Company, New York, N. Y. Registered December 16, 1924. Canceled May 20, 1938.

230,282. Monthly magazine. Textile Publishing Company, New York, N. Y. Registered July 19, 1927. Canceled May 20, 1938.

232,380. Certain named pharmaceutical preparations. Augustine J. Kennedy, Brooklyn, N. Y. Registered September 6, 1927. Canceled May 20, 1938.

296,090. Title of a monthly publication. United Publishers Corporation, New York, N. Y. Registered July 19, 1932. Canceled May 20, 1938.

352,655. Magazine. Chilton Company, New York, N. Y. Registered December 7, 1937. Canceled May 20, 1938.

353,687. Plastic compounds. Ever-Plastics Corporation, New York, N. Y. Registered January 11, 1938. Canceled May 20, 1938.

# TRADE-MARKS

## OFFICIAL GAZETTE, JUNE 7, 1938

[VOL. 491. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

## CLASS 1

### Raw or Partly Prepared Materials

Ser. No. 404,346. JOHN E. AWAD, Bethel, Conn. Filed Mar. 22, 1938.

BC

For Fur Skins.
Claims use since Feb. 19, 1938.

Ser. No. 405,136. SHAWINIGAN PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 11, 1938.

BUTVAR

For Polyvinyl Acetate Resins.
Claims use since May 20, 1936.

Ser. No. 405,137. SHAWINIGAN PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 11, 1938.

SOLVAR

For Polyvinyl Acetate Resins.
Claims use since Sept. 21, 1937.

## CLASS 2

### Receptacles

Ser. No. 396,297. COFFEE PRODUCTS CORPORATION, New York, N. Y. Filed Aug. 12, 1937.

REDIMETER

The term "Meter" is disclaimed except as shown.
For Glass Containers Having a Metallic Jacket for Protective Purposes for Transporting and Dispensing of Syrups, Extracts and Other Liquid Food Products.
Claims use since June 25, 1937.

Ser. No. 400,050. HELEN B. DE MOTT, Santa Barbara, Calif. Filed Nov. 23, 1937.

PEEK-A-BOO

For Shoe Bags.
Claims use since Nov. 13, 1937.

## CLASS 4

### Abrasive, Detergent, and Polishing Materials

Ser. No. 401,682. SPRA-O-WAY PRODUCTS CO., Seattle, Wash. Filed Jan. 7, 1938.

SPRA-O-WAY

Applicant disclaims the word "Spra" apart from the mark.
For Fluid for Cleaning and Removing Dirt from Fabrics.
Claims use since Jan. 28, 1937.

## CLASS 5

### Adhesives

Ser. No. 404,537. NATIONAL ADHESIVES CORPORATION, New York, N. Y. Filed Mar. 26, 1938.

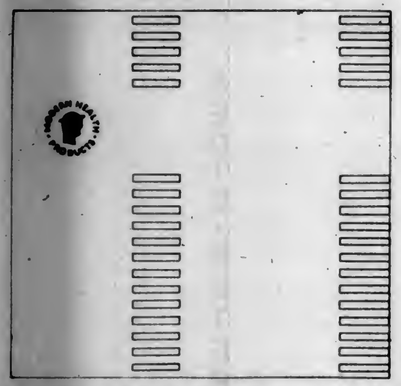
**INTERNATIONAL**

For Glues, Adhesive Gums, Pastes, Adhesive Starches, Sizing, and Dextrines.
Claims use since Mar. 15, 1938.

## CLASS 6

### Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 337,535. MODERN HEALTH PRODUCTS, Milwaukee, Wis. Filed May 5, 1933.




The words "Modern Health Products" are disclaimed apart from the mark.
For Honey Mint, Garlic Tablets, Reducing Beverage, Anti-Diabetic Tea.
Claims use since Apr. 28, 1933.

Ser. No. 389,511. FEM-I-GENE LABORATORIES, Oakland, Calif. Filed Mar. 1, 1937.

Fem-i-Gene

For Antiseptic.
Claims use since Mar. 11, 1936.

Ser. No. 391,138. DR. MADAUS & Co., Radebeul, Germany. Filed Apr. 9, 1937.

**Alliocaps**

For Garlic Oil and Capsules Filled with Garlic Oil for Use in the Treatment of Arteriosclerosis and Dyspepsia, and as a Disinfectant of the Intestines in Cases of Diarrhea, Colic, Meteorism, and Worm Ailments.
Claims use since Oct. 20, 1932.

Ser. No. 393,852. ALVIN M. HITT, doing business as Cos-Tal Laboratories Co., Savannah, Ga. Filed June 9, 1937.

**COS-TAL**

For Nose Drops, Cold and Fever Tonics, Headache Powders, and Eye Water.
Claims use since Sept. 1, 1935.

Ser. No. 397,346. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa. Filed Sept. 11, 1937.

**DIAFOAM**

For Agent for Preventing the Formation of Foam in the Manufacture of Paper, Glue, Soap, Beet Sugar, Casein, and Other Materials of a Like Nature.
Claims use since Jan. 9, 1932.

Ser. No. 398,317. JADWIGA REMEDIES, INC., Brooklyn, N. Y. Filed Oct. 9, 1937.

**ROYOLA**

For Medicinal Wine Used as a Laxative and Mild Appetizer.
Claims use since April, 1934.

Ser. No. 398,501. SOCIETE EN NOM COLLECTIF BEAUNE & BOURCK, doing business as Laboratoires Crinex-Úve, Paris, France. Filed Oct. 14, 1937.

**"DOCRINEX"**

For Ovarian Extract for the Treatment of Affections Resulting from Functional Insufficiency of the Ovary, of the Menopause and of Castration.
Claims use since May 29, 1931.

Ser. No. 398,502. SOCIETE EN NOM COLLECTIF BEAUNE & BOURCK, doing business as Laboratoires Crinex-Úve, Paris, France. Filed Oct. 14, 1937.

**STIMESTRIN**

For Ovarian Extract for the Treatment of Affections Resulting from Functional Insufficiency of the Ovary, of the Menopause and of Castration.
Claims use since Sept. 9, 1937.

Ser. No. 398,503. SOCIETE EN NOM COLLECTIF BEAUNE & BOURCK, doing business as Laboratoires Crinex-Uve, Paris, France. Filed Oct. 14, 1937.

**STIMENSIL**

For Ovarian Extract for the Treatment of Affections Resulting from Functional Insufficiency of the Ovary, of the Menopause, and of Castration.
Claims use since Sept. 9, 1937.

Ser. No. 398,514. FÉLIX JEAN CAUCHOIS, Hussigny-Godbrange, Meurthe-et-Moselle, France. Filed Oct. 15, 1937.

**ANGIHORMOL**

For Medicinal Tablets for the Treatment of Endocrinian Deficiencies in People Suffering from Ulcers of the Limbs.
Claims use since June 28, 1934.



Ser. No. 398,520. FÉLIX JEAN CAUCHOIS, Hussigny-Godbrange, Meurthe-et-Moselle, France. Filed Oct. 15, 1937.

**MINUREX**

For Medicinal Tablets for the Treatment of Cardiorenal Deficiencies in People Suffering from Ulcers of the Limbs.
Claims use since June 28, 1934.

Ser. No. 398,939. SCHMIDEMANN REMEDY COMPANY, Milwaukee, Wis. Filed Oct. 25, 1937.

BETIX

For Tea for Diabetes, Albumin Kidneys, and Bladder Disorders.
Claims use since Oct. 5, 1937.

Ser. No. 399,703. FOLEY AND COMPANY, Chicago, Ill. Filed Nov. 13, 1937.

**BUILDUP**

For Vitamin Compound of Vitamins A, B, D, and G for General Tonic Use.
Claims use since Oct. 23, 1937.

Ser. No. 401,543. GARNET W. COHN, doing business as Desert Wonder Products Company, Los Angeles, Calif. Filed Jan. 3, 1938.

DESERT WONDER

For Skin Conditioning Preparation.
Claims use since Aug. 10, 1937.

Ser. No. 401,664. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Jan. 7, 1938.

HTCHEM

For Nitric Acid for Use in the Industrial Arts.
Claims use since Dec. 2, 1937.

Ser. No. 401,961. TERMAX CO. INC., Minneapolis, Minn. Filed Jan. 14, 1938.

**TERMAX**

**SUN RAY**

No claim is made to the words "Sun" and "Ray" apart from the mark.
For Insecticide.
Claims use since Sept. 15, 1928.

Ser. No. 402,300. JAY-THORPE, INC., New York, N. Y. Filed Jan. 25, 1938.

**Exciting**

For Perfumes, Perfume Extracts, Bulk Perfume, Bath Salts, Talcum Powder, Face Powder, Body Powder, Dusting Powder, Sachet Powder, Powder Compact, Shampoo Powder, Bulk Powder, Toilet Water, Toilet Cream, Vanishing Cream, Cleansing Cream, Rouge, Rouge Compact, Eyebrow Pencil, Eau de Cologne, Body Lotion, Face Lotion, Foot Lotion, and Hand Lotion.
Claims use since Dec. 1, 1937.

Ser. No. 402,528. JAY-THORPE, INC., New York, N. Y. Filed Jan. 31, 1938.

**This With That**

For Perfumes, Perfume Extracts, Bulk Perfume, Bath Salts, Talcum Powder, Face Powder, Body Powder, Dusting Powder, Sachet Powder, Powder Compact, Shampoo Powder, Bulk Powder, Toilet Water, Toilet Cream, Vanishing Cream, Cleansing Cream, Rouge, Rouge Compact, Eyebrow Pencil, Eau de Cologne, Body Lotion, Face Lotion, Foot Lotion, and Hand Lotion.
Claims use since Dec. 1, 1937.

Ser. No. 402,640. E. E. MASSEY, doing business as Est-A-Mae Company, Kansas City, Kans. Filed Feb. 3, 1938.

EST-A-MAE

The word "Mae" is disclaimed apart from the mark.
For Hand Lotion and Cold Cream.
Claims use since Jan. 22, 1938.

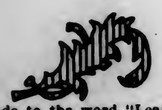
Ser. No. 403,129. JULIE BACON HOEFER, St. Louis, Mo. Filed Feb. 17, 1938.

**PERFUME BY Julie**

No claim is made to the words "Perfume By" apart from the mark.
For Perfumes.
Claims use since Oct. 30, 1937.

Ser. No. 403,140. MORRIS, GRAHAM & CO., Battle Creek, Mich. Filed Feb. 17, 1938.

RED LEAF



No claim is made to the word "Leaf" apart from the mark.

For Liniment for Use in Relieving Rheumatism, Neuralgia, Lumbago, Muscular Pains, Sore and Strained Muscles, Sore Joints, Insect Bites, and Like Ailments; and a Compound to be Taken Internally for the Treatment of Rheumatism, Lumbago, Neuralgia, Constipation, Impure Blood, and Run-Down Condition.

Claims use since July 24, 1936.

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Ser. No. 403,182. SAMUEL M. NOSLER, Coquille, Oreg. Filed Feb. 18, 1938.

NO-MALIN

Applicant disclaims the term "Malin" apart from the mark.

For Preparation for the Relief of Muscular Aches and Pains, Sore, Tired, and Aching Feet, Stiff Neck, Sprains and Strains, Headaches, Burns, Stings and Bites, Poison Oak, Eczema, Itch, Barber's Itch, Lame Back, Lumbago, Neuritis, Arthritis, Athlete's Foot, After Shaving Lotion, Cuts and Bruises, Skin Disorders.

Claims use since November, 1937.

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Ser. No. 403,349. FEMITECT COMPANY, Pittsburgh, Pa. Filed Feb. 23, 1938.

Femitect

For Preparations for Feminine Hygiene and a Deodorant.

Claims use since Jan. 15, 1938.

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Ser. No. 403,469. SAN-OL MFG. CO., Atlanta, Ga. Filed Feb. 26, 1938.

SAN-OL

For Dental Drugs for the Treatment of Pyorrhea.

Claims use since Jan. 17, 1938.

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Ser. No. 403,504. FULLER PRODUCTS CO., Chicago, Ill. Filed Feb. 28, 1938.

"B" SWEET

No claim is made to the word "Sweet" apart from the mark.

For Body Deodorant.

Claims use since July 1, 1936.

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Ser. No. 403,698. KO-NAY PRODUCTS, Los Angeles, Calif. Filed Mar. 4, 1938.

NOX NIX

For Chemical Nicotine Stain Remover.

Claims use since Feb. 26, 1938.

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Ser. No. 403,892. ASTONE PRODUCTS CO., Lansdale, Pa. Filed Mar. 10, 1938.

ASTONE

For Medicinal Preparation for the Treatment of Asthma, Bronchitis, Chronic Coughs, and La Grippe.

Claims use since June 1, 1932.

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Ser. No. 404,431. MARTIN DE BOTELHO, New York, N. Y. Filed Mar. 24, 1938.




Any geographical significance of the words "Aqua Regina" is disclaimed.

For Toilet Water and Perfume.

Claims use since Feb. 8, 1938.

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Ser. No. 404,432. MARTIN DE BOTELHO, New York, N. Y. Filed Mar. 24, 1938.



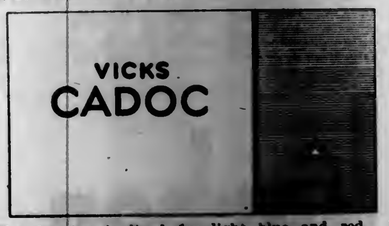

Any geographical significance of the words "Aqua Rex" is disclaimed.

For Toilet Water and Perfume.

Claims use since Feb. 8, 1938.



Ser. No. 404,670. VICK CHEMICAL COMPANY, New York, N. Y. Filed Mar. 30, 1938.




The drawing is lined for light blue and red. No claim is made to the representation of a label, per se.

For Analgesic Tablets and Laxative Tablets.

Claims use since Oct. 15, 1937.

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Ser. No. 404,678. AMERICAN-BRITISH CHEMICAL SUPPLIES, INC., New York, N. Y. Filed Mar. 31, 1938.

FOUNDRATES

For Chemical Fluxes Used in the Smelting of Ferrous and Non-Ferrous Metals.

Claims use since Mar. 7, 1938.

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Ser. No. 404,944. LOESER LABORATORY, INCORPORATED, New York, N. Y. Filed Apr. 6, 1938.

Iphedex

For Nose Drops and Nose Spray.

Claims use since Mar. 30, 1938.

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Ser. No. 405,069. FRANCES L. GORMAN, doing business as Indian Herb Company, Kansas City, Mo. Filed Apr. 9, 1938.



"Health and Herbs Are Twins of Nature"

INDIAN HERB COMPOUND

The portraits are those of applicant's sons. The phrase "Health and Herbs are Twins of Nature" and the words "Indian Herb Compound" are disclaimed apart from the mark.

For Alterative and Reconstructive Tonic for Strengthening the Circulatory, Digestive, and Eliminative Processes.

Claims use since Feb. 22, 1936.

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Ser. No. 405,096. ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed Apr. 11, 1938.

Mirabelle

For Perfume, Lipstick, Sachet, Eau de Toilette, and Dusting Powder.

Claims use since Mar. 1, 1936.

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Ser. No. 405,100. BETTE BEAUX CO., Memphis, Tenn. Filed Apr. 11, 1938.

Bette Beaux

For Cleansing Cream, Wrinkle Eradicator, Turtle Oil Tissue Cream, Cucumber Lotion, Strawberry Lotion, Liquid Powder Base, Pore Lotion, and Face Powder.

Claims use since May, 1934.

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Ser. No. 405,122. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Apr. 11, 1938.

BECOTIN

For Medicinal Preparation Composed of Nicotinic Acid and Vitamins Useful, Among Other Things, in the Treatment of Pellagra, Many Forms of Anemia, and Any Type of Vitamin B Deficiency.

Claims use since Mar. 16, 1938.

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Ser. No. 405,149. FRANCES E. CASHMORE, doing business as Dorox Laboratories, New York, N. Y. Filed Apr. 12, 1938.

OCU-LAV



For Eye Wash.

Claims use since Jan. 1, 1928.

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Ser. No. 405,183. SOCIETE CENTRALE DE LA PARFUMERIE FRANCAISE, INC., Wilmington, Del. Filed Apr. 12, 1938.

MARCO POLO

For Perfumes.

Claims use since Feb. 15, 1938.

Ser. No. 405,236. AMERICAN INTERNATIONAL DISTRIBUTING CORPORATION, Los Angeles, Calif. Filed Mar. 22, 1938.

A-I-D

For Medical Compound to Remove Acids and Poisonous Matter from the Human Body.
Claims use since Apr. 10, 1937.

Ser. No. 405,243. DOCTOR GEORGE HURSH ENSMINGER, Chicago, Ill. Filed Apr. 14, 1938.



For Eye Lotion.
Claims use since July 3, 1936.

Ser. No. 405,422. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Apr. 18, 1938.



For Denaturants, Gas Odorants, Liquid Petrolatum, Petroleum gas, Liquefied Petroleum Gas, Spray Oil Used for Insecticidal and Fungicidal Purposes, Deodorants, Germicides, Insecticides, Naphthenic Acids.
Claims use since Aug. 1, 1930.

## CLASS 11

### Inks and Inking Materials

Ser. No. 391,296. JOSEPH JAMES MOTHERWAY, doing business as J. J. Motherway & Co., St. Louis, Mo. Filed Apr. 12, 1937.

karbon kid

The word "Karbon" is disclaimed.
For Carbon Papers and Inked Ribbons.
Claims use since Aug. 31, 1936.

## CLASS 13

### Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 401,482. HALLENSCHEID & MCDONALD, Los Angeles, Calif. Filed Jan. 3, 1938.

ARISTOCROME

For Wall Bathroom Accessories—To Wit, Glass Shelves, Soap Holders, Tumbler Holders, Tumbler and Toothbrush Holders, Toothbrush Holders, Paper Holders, Razor Strop Hooks, Single and Double Robe Hooks, Towel Pins, Door Stops, Towel Hooks, Grab Bars, Towel Bars, Roller Towel Bars, Swing Bars, Sponge Holders, Soap and Grab Bar Combinations, Concealed Lavatory Units.
Claims use since January, 1934.

Ser. No. 404,685. BETHLEHEM STEEL COMPANY, Bethlehem, Pa. Filed Mar. 31, 1938.




No claim is made to the word "Star" apart from the mark.
For Cement Coated Nails.
Claims use since Jan. 4, 1938.



Ser. No. 405,356. HADLEY-HUBBARD COMPANY, Boston and Roxbury, Mass. Filed Apr. 16, 1938.

CLIP-ER

For Valve Seats.
Claims use since Mar. 19, 1938.

## CLASS 15

### Oils and Greases

Ser. No. 382,166. OVERLAND PETROLEUM CORPORATION, Brooklyn, N. Y. Filed Aug. 14, 1936.

WINGS

For Lubricating Oil.
Claims use since Sept. 15, 1934.

## CLASS 17

### Tobacco Products

Ser. No. 404,956. A. SIEGEL & SONS, INC., New York, N. Y. Filed Apr. 6, 1938.

LA MAGNITA

For Cigars.
Claims use since Feb. 10, 1900.

## CLASS 19

### Vehicles, Not Including Engines

Ser. No. 404,711. RAY H. HAZEN, Philadelphia, Pa. Filed Mar. 31, 1938.

VICEROY

For Horse-Drawn Carriages and Wagons.
Claims use since January, 1930.

## CLASS 21

### Electrical Apparatus, Machines, and Supplies

Ser. No. 389,462. INTERNATIONAL MOTOSCOPE REEL CO. INC., New York, N. Y. Filed Feb. 27, 1937.

ROTOSCOPE

For Electrically Operated Advertisement Display Devices.
Claims use since Feb. 9, 1937.

Ser. No. 390,187. SUPER-POWER SPARK PLUG CO., Oakland, Calif. Filed Mar. 17, 1937.

IONIZED GRID

For Spark Plugs.
Claims use since Sept. 1, 1936.

Ser. No. 397,579. JAMES R. KEARNEY CORPORATION, St. Louis, Mo. Filed Sept. 20, 1937.

SER-VES

For Grips for Electric Cable.
Claims use since Aug. 31, 1937.

Ser. No. 398,098. DICTOGRAPH PRODUCTS COMPANY, INC., New York, N. Y. Filed Oct. 4, 1937.

SILENTONE

For Radio and Telephone Receiving Devices and Equipment and Parts Thereof.
Claims use since July 15, 1935.

## CLASS 22

### Games, Toys, and Sporting Goods

Ser. No. 402,444. ROSEN & JACOBY, New York, N. Y. Filed Jan. 28, 1938.

HAIR-JUST

The word "Hair" is disclaimed apart from the mark.
For Doll Wigs.
Claims use since September, 1937.

Ser. No. 404,193. TYCOON TACKLE, INC., Miami, Fla. Filed Mar. 17, 1938.

The Royal Hickory

No claim is made to the word "Hickory" apart from the mark.
For Fishing Rods.
Claims use since January, 1938.

Ser. No. 404,196. TYCOON TACKLE, INC., Miami, Fla. Filed Mar. 17, 1938.




No claim is made to the words "Miami" and "Quality Fishing Tackle" or to the representation of the goods apart from the mark.
For Fishing Rods.
Claims use since June 1, 1935.

Ser. No. 405,292. SAMUEL GOLDBERG, Brighton Beach, Brooklyn, N. Y. Filed Apr. 15, 1938.




The illustration of the child is fanciful. No claim is made to the representation of the goods apart from the mark.
For Toy Punching Bag.
Claims use since Apr. 4, 1938.

Ser. No. 405,531. SURE-CATCH LURE COMPANY, Irvington, N. J. Filed Apr. 20, 1938.

Lur-O-Lite

For Fish Lures.
Claims use since Feb. 18, 1938.

Ser. No. 405,537. WILSON DETECTOGRAPH, INC., Los Angeles, Calif. Filed Apr. 20, 1938.

LEGACY NIGHT

For Card Games.
Claims use since Apr. 8, 1938.

Ser. No. 405,592. CORTLAND LINE COMPANY, INC., Cortland, N. Y. Filed Apr. 22, 1938.

DRYBAK

For Fish Lines.
Claims use since Apr. 4, 1938.

Ser. No. 405,593. CORTLAND LINE COMPANY, INC., Cortland, N. Y. Filed Apr. 22, 1938.

Duxbak

For Fish Lines.
Claims use since Apr. 4, 1938.

Ser. No. 405,650. BENJAMIN F. KELLEY, Tulsa, Okla. Filed Apr. 23, 1938.

Four Kings

For Game Boards.
Claims use since Apr. 1, 1938.

Ser. No. 405,738. ROBERT M. POTTS, doing business as The Try-Me Bait Company, Dayton, Ohio. Filed Apr. 26, 1938.

TRY-ME

For Fish Bait and Decoy Minnows.
Claims use since Apr. 1, 1938.

## CLASS 23

### Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 390,348. BARRETT-CRAVENS COMPANY, Chicago, Ill. Filed Mar. 22, 1937.




The words "Handling Equipment" and the representations of the goods are disclaimed apart from the mark.
For Material Handling Equipment—Namely, Portable Elevators.
Claims use since May 28, 1921.

Ser. No. 398,292. SACO-LOWELL SHOPS, Boston, Mass., assignor to Saco-Lowell Shops, Biddeford, Maine, a corporation of Maine. Filed Oct. 8, 1937.

UNISET

For Weighting Systems of the Character Used with the Drawing Mechanisms for Spinning, Twisting, and Roving Frames.
Claims use since Sept. 15, 1937.

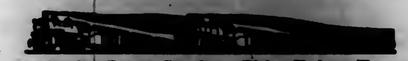
Ser. No. 402,939. FARM TOOLS, INC., Mansfield, Ohio. Filed Feb. 11, 1938.



The drawing is lined for red, orange, and blue. The representation of the disc is disclaimed apart from the mark.
For Disc Harrows.
Claims use since July 1, 1937.



Ser. No. 403,018. SANDVIKENS JERNVERKS AKTIEBOLAG, Sandviken, Sweden. Filed Feb. 14, 1938.



For Spades, Rakes, Crowbars, Picks, Sledges, Hammers, Tongs, Files, Rasps, Wrenches, Screw-drivers, Drills, Axes, Planing Tools, Saws, Knives, Machine Knives, and Other Edge Tools.
Claims use since September, 1937.

Ser. No. 403,573. WINDSOR LLOYD PRODUCTS, INC., Wilmington, Del. Filed Mar. 1, 1938.

BONIFIED

For Razor Blades.
Claims use since Oct. 10, 1937.

Ser. No. 404,205. THE CYCLONE SEEDER COMPANY, Urbana, Ind. Filed Mar. 18, 1938. Under 10-year proviso.

LITTLE GIANT

For Hand Seed Sowers.
Claims use since Jan. 1, 1895.

Ser. No. 404,860. R. H. MACY & CO., INC., New York, N. Y. Filed Apr. 4, 1938. Under section 5b of the act of 1905 as amended in 1920.

MACY'S

For Typewriters, Knives, Spatulas, Can Openers, Carpet Sweepers, Vacuum Cleaners, Razor Blades, and Sewing Machines.
Claims use on razor blades since 1928; on sewing machines since September, 1931; on vacuum cleaners since 1931; on knives, spatulas, can openers, and carpet sweepers since 1934; and on typewriters since March, 1937.

Ser. No. 404,946. MATCH KING, INC., Chicago, Ill. Filed Apr. 6, 1938.

The MAGIC
ELECTRIC DRY SHAVER

The words "Electric Dry Shaver" are disclaimed apart from the mark.
For Electric Razors.
Claims use since Feb. 1, 1938.

## CLASS 24

### Laundry Appliances and Machines

Ser. No. 404,970. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Apr. 6, 1938.




The drawing is lined for blue and orange.
For Electric Washers and Ironers.
Claims use since Dec. 6, 1937.

## CLASS 26

### Measuring and Scientific Appliances

Ser. No. 382,973. COMMUNICATION INSTRUMENTS, INC., New York, N. Y. Filed Aug. 27, 1936.



For Electrical and Radio Instruments and Devices—Namely, Analyzing, Testing, and Frequency Meters, Ampere and Volt Meters, Vacuum Tube Meters, Oscillographs (Devices Which Make Pictorial or Visible Records of the Changes in Current or Voltage in an Electric Circuit), Analyzing Plugs (for Extending an Electrical or Radial Circuit to a Meter to Check Voltages, Etc.), Modulation Indicators for Radio Circuits for Use in Radio, Meter Tuning Indicators, Tuning Meters and Parts Thereof.
Claims use since Apr. 16, 1936.

Ser. No. 397,299. QUARZLAMPEN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Hanau, Germany. Filed Sept. 10, 1937.

Ultrakop

For Apparatus for Making Prints Such as Blue Prints, Tracings, Heliographs, and the like.
Claims use since Jan. 7, 1937.

Ser. No. 402,851. ANDRÉ LÉON VICTOR CLÉMENT DEBRIE, doing business as Etablissements André Debrie, Paris, France. Filed Feb. 9, 1938.




All wording except "Etablissements Andre Debrie" is disclaimed from the mark.
For Cinematographic Apparatus—Namely, Cameras, Projectors, Picture Copying Apparatus, Film Developers, and Apparatus for Recording Sound on Sensitized Film.
Claims use since 1925.

Ser. No. 403,236. ELECTRO-MEDICAL LABORATORY, INC., Holliston, Mass. Filed Feb. 23, 1938.

ELECTROENCEPHALOGRAPH

For Amplifying and Oscillographic Recording Systems for the Purpose of Investigating the Electrical Potentials Generated by the Brain.
Claims use since Oct. 5, 1935.

Ser. No. 404,025. AERIAL EXPLORATIONS, INC., Long Island City, N. Y. Filed Mar. 14, 1938.

ROTOMETER

For Measuring Instrument—To Wit, a Planimeter.
Claims use since Mar. 7, 1935.

Ser. No. 404,026. THE AMERICAN TEMPERATURE INDICATING COMPANY, Toledo, Ohio. Filed Mar. 14, 1938.

CALISCOPE

The American Temperature Indicating Company

For Indicating, Recording, and Control Instruments—Namely, Thermometers and Telethermometers and Parts Thereof.
Claims use since Aug. 10, 1917.

Ser. No. 404,149. WILLSON PRODUCTS, INC., Reading, Pa. Filed Mar. 16, 1938.

GLAZE-ITE COVER GLASS

Applicant disclaims the words "Cover Glass" apart from the mark.
For Protection Glass for Sight Openings of Helmets and Goggles.
Claims use since Feb. 11, 1938.

Ser. No. 404,967. UNIVERSAL CAMERA CORPORATION, New York, N. Y. Filed Apr. 6, 1938.

SILVERLUX

For Moving Picture Projection Screens.
Claims use since December, 1936.

Ser. No. 404,968. UNIVERSAL CAMERA CORPORATION, New York, N. Y. Filed Apr. 6, 1938.

UNIVAR

For Photographic Lenses.
Claims use since September, 1936.

## CLASS 27

### Horological Instruments

Ser. No. 405,388. THE GRUEN WATCH COMPANY, Cincinnati and Time Hill, Cincinnati, Ohio. Filed Apr. 18, 1938.

RISTSIDE

For Wrist Watches.
Claims use since Nov. 1, 1937.

## CLASS 28

### Jewelry and Precious-Metal Ware

Ser. No. 398,086. BICK & OSTOR COMPANY LIMITED, Montreal, Quebec, Canada. Filed Oct. 4, 1937.

CORONET

For Wedding Rings, Finger Rings of All Kinds, and Jewelry for Personal Adornment as Well as for Utility Purposes Not Including Watches, Such as Rings, Brooches, Clip Brooches, Pendants, Necklaces, Ear-Rings, Scarf Pins, Bar Pins, Bracelets, Hair Ornaments, Cuff Links, All the Foregoing Made of Gold, Platinum, Silver or Semi-Precious and Base Metals, Set with Diamonds, Precious, Semi-Precious, and Imitation Stones, or Unset.
Claims use since Nov. 22, 1936.

Ser. No. 403,737. SHIMAN BROS. & CO., INC., New York, N. Y. Filed Mar. 5, 1938.

SACRED LOVE

The term "Love" is disclaimed apart from the mark.
For Finger Rings.
Claims use since Mar. 1, 1938.

## CLASS 31

### Filters and Refrigerators

Ser. No. 403,693. JORDAN MARSH COMPANY, Boston, Mass. Filed Mar. 4, 1938.

J·M·

For Refrigerators.
Claims use since March, 1936.

Ser. No. 405,277. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Apr. 14, 1938.

HUMIGLASS

For Combination Shelves and Storage Bin Covers in Refrigerators.
Claims use since Jan. 1, 1938.

## CLASS 32

### Furniture and Upholstery

Ser. No. 398,305. BANKERS BOX COMPANY, Chicago, Ill. Filed Oct. 9, 1937.

STAXONSTEEL

The word "Steel" is disclaimed apart from the mark.
For Drawer Type Files.
Claims use since Oct. 2, 1937.



Ser. No. 400,793. RATTAN PRODUCTS MFG. CO. INC., Los Angeles, Calif. Filed Dec. 13, 1937.

TROPICRAFT TRUE COMFORT

For Rattan Furniture.
Claims use since July 1, 1934.

Ser. No. 405,178. THE OWEN SILENT SPRING COMPANY, INC., Bridgeport, Conn. Filed Apr. 12, 1938.

PILLO-EASE

For Mattress Springs.
Claims use since Mar. 18, 1938.

Ser. No. 405,179. THE OWEN SILENT SPRING COMPANY, INC., Bridgeport, Conn. Filed Apr. 12, 1938.

PILLO-LUX

For Mattress Springs.
Claims use since Mar. 16, 1938.

Ser. No. 405,180. THE OWEN SILENT SPRING COMPANY, INC., Bridgeport, Conn. Filed Apr. 12, 1938.

PILLO-SLEEP

For Mattress Springs.
Claims use since Mar. 16, 1938.

Ser. No. 405,255. HOMECRAFT MANUFACTURING CO., INC., New York, N. Y. Filed Apr. 14, 1938.

TUSSACK

For Hassocks.
Claims use since Mar. 1, 1938.

Ser. No. 405,722. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 26, 1938.

Airfoam

For Cushions, Pillows, Mattresses, Seats, Arm Rests, Pads.
Claims use since May 19, 1937.

## CLASS 34

### Heating, Lighting, and Ventilating Apparatus

Ser. No. 399,830. EMBURY MANUFACTURING COMPANY, Warsaw, N. Y. Filed Nov. 17, 1937.

GANGWAY

For Flares Burning Liquid Fuel.
Claims use since Aug. 20, 1937.

## CLASS 35

### Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 383,797. ARMOR TREAD TIRE CORPORATION, Curtis Bay, Baltimore, Md. Filed Sept. 30, 1936.

Armorized

For New and Retreaded Nonmetallic Tires and Treads for Application to the Same.
Claims use since July 1, 1934.

Ser. No. 397,986. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C. Filed Sept. 30, 1937.

GOLD BOND

For Brake Lining.
Claims use since Jan. 15, 1929.

Ser. No. 405,309. RUDOLPH W. MILLER, doing business as Miller Felpax Company, Winona, Minn. Filed Apr. 15, 1938.

FELPAX

For Lubricator Fillers for Journal Boxes.
Claims use since Sept. 2, 1937.

Ser. No. 405,411. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 18, 1938.

CROSS COUNTRY

For Automobile Radiator Hose.
Claims use since Feb. 1, 1937.

Ser. No. 405,493. GATKE CORPORATION, Chicago, Ill. Filed Apr. 20, 1938.

MAKABLOK

For Brake Lining.
Claims use since Dec. 1, 1937.

Ser. No. 405,519. PENNWELL OIL & BELTING CO., INC., New York, N. Y. Filed Apr. 20, 1938.

TARZAN

For Leather Belting.
Claims use since Dec. 17, 1937.

## CLASS 36

### Musical Instruments and Supplies

Ser. No. 400,170. PATTI BROS. ACCORDION MFG. CO., Milwaukee, Wis. Filed Nov. 26, 1937.

ZEPHYR

For Accordions.
Claims use since Sept. 15, 1936.

Ser. No. 404,869. CHAS. M. STIEFF, INCORPORATED, Baltimore, Md. Filed Apr. 4, 1938.

VERATONE

For Pianos.
Claims use since Mar. 16, 1938.

## CLASS 37

### Paper and Stationery

Ser. No. 404,071. BIRMINGHAM WOODENWARE COMPANY, Birmingham, Ala. Filed Mar. 14, 1938.

BIRWOOD

For Toilet Tissue and Toilet Paper.
Claims use since Jan. 1, 1921.

## CLASS 38

### Prints and Publications

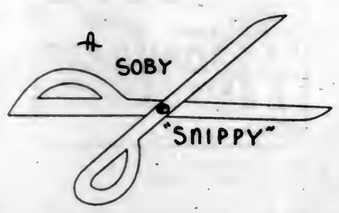
Ser. No. 393,026. ESQUIRE FEATURES, INC., Chicago, Ill. Filed May 20, 1937.

THE WORLD MUSEUM

DIORAMAS

The word "Dioramas" is disclaimed.
For Newspaper Cartoons Published in a Continuing Series.
Claims use since May 9, 1937.

Ser. No. 403,020. THE SOBY STUDIO, Kansas City, Mo. Filed Feb. 14, 1938.




The name "Soby" is disclaimed apart from the mark.
For Framed and Unframed Works of Art, Created by Cutting the Component Parts of the Figures Therein from Colored Paper, Affixing the Parts to a Background and Then Completing the Work by the Addition of Colored Accenting.
Claims use since Feb. 11, 1938.

Ser. No. 403,241. A. DAVIS & SONS, INC., Jersey City, N. J., and New York, N. Y. Filed Feb. 21, 1938.

HOLLYWOOD FASHION FORECASTER

The word "Hollywood" is disclaimed apart from the mark.
For Monthly Printed Periodicals or Trade Paper.
Claims use since December, 1937.

Ser. No. 403,776. THE MEYERCORD COMPANY, Chicago, Ill. Filed Mar. 7, 1938.

SANS-ONYX

The word "Onyx" is disclaimed apart from the mark.
For Decalcomanias.
Claims use since Jan. 20, 1938.

Ser. No. 404,870. LEON STEIN, doing business as Exposed Publishing Company, New York, N. Y. Filed Apr. 4, 1938.

Mr.

For Magazine Published Periodically.
Claims use since Sept. 8, 1937.



## CLASS 39

### Clothing

Ser. No. 382,979. INTERNATIONAL LATEX CORPORATION, Rochester, N. Y. Filed Sept. 2, 1936.



The trade-mark consists of a relatively narrow red band or stripe arbitrarily disposed medially about the package of goods, no claim being made to the representation of the package.
For Bathing Caps, Latex Pants for Babies, and Latex Swim Pants.
Claims use since Jan. 10, 1936.

Ser. No. 388,525. BEHR-FLEX, INC., Manchester, N. H. Filed Feb. 4, 1937.

BEHR FLEX

For Shoes, Slippers, and Sandals of Leather, Rubber, Paper, or Fabric, or of Combinations of These Materials.
Claims use since Aug. 10, 1936.

Ser. No. 390,506. CLAUDE H. DANIELS, East Portchester, Conn. Filed Mar. 25, 1937.

MARCH ON TIME

For Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since Mar. 23, 1937.

Ser. No. 397,546. MIDLAND SHOE COMPANY, St. Louis, Mo. Filed Sept. 18, 1937.

Penmoor

For Ladies' Shoes Made of Leather or Fabric, or of Combinations of Said Materials.
Claims use since January, 1937.

Ser. No. 400,689. GAYNES CLOTHING CORP., New York, N. Y. Filed Dec. 10, 1937.

ALPINAIRE

For Men's and Women's Clothing—Namely, Suits, Trousers, Overcoats, Topcoats, Jackets, and Outer Shirts, Said Garments Being Made of Rayon Acetate Cloth.
Claims use since Dec. 4, 1937.

Ser. No. 401,265. FABRIC PRODUCTS MANUFACTURING CO., Chicago, Ill. Filed Dec. 27, 1937.

STORM QUEEN

For Coats, Capes, and Sport Jackets Made of Oiled Silk.
Claims use since Dec. 1, 1936.

Ser. No. 402,062. GOLDWATERS MERCANTILE CO., Phoenix, Ariz. Filed Jan. 18, 1938.

THE BRANDING IRON DRESS
XL Ethelle
A DESERT FASHION

The words "Dress" and "Fashion" are disclaimed except as shown.
For Ladies' and Girls' Dresses.
Claims use since November, 1937.

Ser. No. 402,960. ROSS WALD, INC., New York, N. Y. Filed Feb. 11, 1938.

Dunster Hall

For Men's Soft Felt Hats.
Claims use since April, 1935.

Ser. No. 403,678. SAMUEL DANZIG, New York, N. Y. Filed Mar. 4, 1938.



CAMEL BRAND

The word "Brand" is disclaimed except as shown.
For Hat Bodies for Women's Hats.
Claims use since Feb. 4, 1933.

Ser. No. 403,899. LEON A. AXEL, New York, N. Y. Filed Mar. 10, 1938.




The words "Stormy", "Rain", "Winds", and "Fair" are disclaimed apart from the mark.
For Raincoats.
Claims use since Dec. 9, 1937.

Ser. No. 404,295. ALFRED DECKER & COHN, INC., Chicago, Ill. Filed Mar. 21, 1938.

Double-Date

For Women's Topcoats.
Claims use since Mar. 11, 1938.

Ser. No. 404,368. LOOMTOGS, INC., New York, N. Y. Filed Mar. 22, 1938.




No claim is made to the words "Timely Fashions" except as shown.

For Women's and Misses' Bathing Suits, Bathing Capes, Slacks, Robes, Dresses, Coats, Capes, Culottes, Skirts, Sweaters, and Scarfs.

Claims use since Dec. 15, 1937.

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Ser. No. 404,479. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Mar. 25, 1938.

LINWEAVE

For Handkerchiefs.

Claims use since Mar. 16, 1938.

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Ser. No. 404,538. PECK & PECK, New York, N. Y. Filed Mar. 26, 1938.

CITY SLICKER

No claim is made to the word "Slicker" apart from the mark.

For Raincoats.

Claims use since Mar. 28, 1934.

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Ser. No. 404,602. COMMONWEALTH SHOE AND LEATHER COMPANY, Whitman, Mass. Filed Mar. 29, 1938.

Bostonians
FIT AND FEEL RIGHT---they're Walk-fitted

Applicant is owner of T. M. Reg. No. 55,669 (Renewed) covering the word "Bostonian", effected under the ten-year proviso. No claim is made to the words "Fit and Feel Right" apart from the mark.

For Men's Shoes of Leather, Rubber, Fabric, or Combinations Thereof.

Claims use since Feb. 1, 1938.

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Ser. No. 404,718. MAX LEVINE & CO., New York, N. Y. Filed Mar. 31, 1938.

MELSHIRE
Tweed

The word "Tweed" is disclaimed apart from the mark.

For Ladies' and Misses' Coats and Suits.

Claims use since Mar. 10, 1937.

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Ser. No. 404,819. SHAPIRO GLOVE CO., INC., New York, N. Y. Filed Apr. 2, 1938.

ZIPO - GRAM

For Gloves Made of Leather, Rubber, Fabric and/or Any Combination Thereof.

Claims use since Nov. 10, 1937.

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Ser. No. 404,906. JACOB POLLACK & SONS, New York, N. Y. Filed Apr. 5, 1938.

MONTESIAN

For Men's and Boys' Overcoats and Topcoats.

Claims use since Mar. 14, 1938.

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Ser. No. 404,987. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 7, 1938.

BOUNDERS

For Heel Cushions.

Claims use since March, 1938.

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Ser. No. 405,014. COHEN, GOLDMAN & CO. INC., New York, N. Y. Filed Apr. 8, 1938.

British Blade

No claim is made to the word "British" apart from the mark.

For Men's, Boys', and Children's Outer Garments, Consisting of Coats, Vests, Pants, and Trousers, Also Men's Overcoats and Topcoats.

Claims use since Oct. 15, 1937.

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Ser. No. 405,081. POHATCONG HOSIERY MILLS, INC., Washington, N. J. Filed Apr. 9, 1938.




For Ladies' Full Fashioned Silk Hosiery.

Claims use since Jan. 28, 1938.

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Ser. No. 405,087. TRIMOUNT CLOTHING CO. INC., Boston, Mass. Filed Apr. 9, 1938.

Clippercraft

For Men's and Young Men's Overcoats, Topcoats, Suits, and Sport Suits.

Claims use since February, 1938.



Ser. No. 405,104. COHEN, GOLDMAN & CO. INC., New York, N. Y. Filed Apr. 11, 1938.

English Blade

No claim is made to the word "English" apart from the mark.

For Men's, Boys', and Children's Outer Garments, Consisting of Coats, Vests, Pants, and Trousers, also Men's Overcoats and Topcoats.

Claims use since Oct. 15, 1937.

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Ser. No. 405,105. THE P. H. DAVIS TAILORING COMPANY, Cincinnati, Ohio. Filed Apr. 11, 1938.

Tailorcrest

For Men's Made-to-Measure Clothing—Namely, Men's Coats, Vests, Trousers, and Overcoats, Made to Order.

Claims use since Jan. 1, 1930.

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Ser. No. 405,134. J. SCHOENEMAN, INC., Baltimore, Md. Filed Apr. 11, 1938.




For Coats, Vests, Trousers, Knickerbockers, Top Coats, and Overcoats for Men, Youths, and Boys.

Claims use since Apr. 6, 1938.

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Ser. No. 405,156. GIMBEL BROTHERS, INC., New York, N. Y. Filed Apr. 12, 1938.

Twixie

For Children's Underwear—Namely, Bloomers, Panties, Step-Ins, Vests, Unionsuits, Drawers, Slips.

Claims use since Mar. 7, 1938.

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Ser. No. 405,270. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 14, 1938.

GANG-BUSTER

For Work Shirts, Work Pants, and Work Jackets.

Claims use since Mar. 25, 1938.

## CLASS 42

### Knitted, Netted, and Textile Fabrics

Ser. No. 390,424. S. STEIN & CO., New York, N. Y. Filed Mar. 23, 1937.

DUNHEATH

For Woolen Goods in the Piece and in Cut Lengths.

Claims use since Jan. 15, 1937.

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Ser. No. 401,755. PENN DRY GOODS COMPANY, Philadelphia, Pa. Filed Jan. 10, 1938.




The drawing is lined for blue. The representation of the label is disclaimed. No claim is made to the word "Blanket" apart from the mark.

For Woolen Blankets.

Claims use since Mar. 1, 1937.

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Ser. No. 403,766. BURTON HALL, New York, N. Y. Filed Mar. 7, 1938.

Twillastic

For Stretchable Fabric in the Piece Made With Covered Rubber or Latex Yarn.

Claims use since July 7, 1937.

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Ser. No. 404,260. NEW ENGLAND FIBRE BLANKET COMPANY, Worcester, Mass. Filed Mar. 19, 1938.

PUNTANA TWEED

No claim is made to the word "Tweed" apart from the mark.

For Cloth in the Piece of Wool.

Claims use since Feb. 14, 1938.

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Ser. No. 404,750. ISABELLE F. HEBERLEE, doing business as Heberlee's Air-Lite Bedding Co., Seattle, Wash. Filed Apr. 1, 1938.

Air-Lite

For Filled Comforters and Blankets.

Claims use since Mar. 1, 1938.

Ser. No. 404,809. JAMESTOWN WORSTED MILLS, Jamestown and New York, N. Y. Filed Apr. 5, 1938.

KILTIE PLAID

The word "Plaid" is disclaimed apart from the mark.
For Woolen and Worsted Piece Goods.
Claims use since Dec. 1, 1937.

Ser. No. 405,286. S. BLECHMAN & SONS, INC., New York, N. Y. Filed Apr. 15, 1938.

Baby Charm

For Blankets, Quilts, and Carriage Covers.
Claims use since October, 1931.

Ser. No. 405,298. HODGES CARPET COMPANY, Indian Orchard, Mass. Filed Apr. 15, 1938.



For Woven Fiber Fabrics—Viz., Rugs, Carpets, and Piece Goods, the Yarns for Which Are of Twisted Paper, Rayon, Cellophane, and the Like.
Claims use since Apr. 1, 1935.

## CLASS 44

### Dental, Medical, and Surgical Appliances

Ser. No. 395,773. SPIEGEL & SONS COMPANY, Dallas, Tex. Filed July 29, 1937.

Homgenic

For Medical Cabinets Containing Surgical Apparatus and Syringes.
Claims use since Feb. 1, 1937.

Ser. No. 402,448. JOHN J. SITKIN, doing business as Dental Research Company, Los Angeles, Calif. Filed Jan. 28, 1938.




For Plastic Denture Bases, Plastic Dental Repair Material, and Plastic Denture Blanks.
Claims use since Feb. 1, 1936.

Ser. No. 404,579. MURLEY-ROLLESTON CORPORATION, New York, N. Y. Filed Mar. 28, 1938.

PENETRON

For Electro-Medical and Electro-Surgical Apparatus.
Claims use since July 15, 1935.

## CLASS 45

### Beverages, Nonalcoholic

Ser. No. 405,311. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif. Filed Apr. 15, 1938.

LARK

For Non-Alcoholic Beverages, Concentrates, and Extracts for Making Same.
Claims use since Apr. 4, 1938.

Ser. No. 405,313. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif. Filed Apr. 15, 1938.

REAL GOLD

For Canned Non-Alcoholic Citrus Juices for Beverage Purposes.
Claims use since Apr. 4, 1938.

## CLASS 46

### Foods and Ingredients of Foods

Ser. No. 370,965. ROYAL PACKING CO., Los Angeles, Calif. Filed Oct. 29, 1935.




The drawing is lined for orange and yellow. No claim is made to the words "Royal", "Packed By", or "Pack" or to the representation of a label apart from the mark.
For Preserved Peeled Chile and Preserved California Pimientos for Seasoning Foods.
Claims use since 1921.

Ser. No. 383,244. C. J. WIELAND & SON, INC., Chicago, Ill. Filed Sept. 14, 1936.




For Milk, Cream, Buttermilk, Butter, and Eggs.
Claims use since Apr. 8, 1935.



Ser. No. 393,534. FRANKLIN H. HALL, Kenton, Ohio. Filed June 2, 1937.

V5

For Concentrated Preparation Preferably in Powder Form Fortified with the Ingredients of Iron, Calcium, and Phosphate, and Adapted to be Dissolved in Milk or the Like to Provide a Nutritious and Nourishing Food Beverage.
Claims use since August, 1936.

Ser. No. 395,120. BERNARDINO JOSE BORGES, Lisbon, Portugal. Filed July 12, 1937.

PAVILHAO

For Preserved Fish and Pickled Olives.
Claims use since Jan. 2, 1925.

Ser. No. 396,441. THE BARTELDES SEED COMPANY, Lawrence, Kans. Filed Aug. 16, 1937.

BOMB SHELL

For Pop Corn in its Natural State.
Claims use since July 30, 1937.

Ser. No. 399,964. ALBERT M. GREENE, Ashland, Mass. Filed Nov. 20, 1937.




No claim is made to the representation of the peach or to any wording except "Maguneo" and "A. M. Greene", apart from the mark.
For Fresh Peaches.
Claims use since Sept. 15, 1936.

Ser. No. 400,590. W. A. CLEARY CORPORATION, New Brunswick, N. J. Filed Dec. 8, 1937.




The drawing is lined for blue and brown. Applicant disclaims the words "Colloid" and "Soya Derivative" apart from the mark.
For Modified and Compounded Vegetable Oil for Changing Capillary Properties of Oil-Containing Materials for Use in Confections, Chocolate, Baking, Shortening, and Other Food Stuffs.
Claims use since May 1, 1937.

Ser. No. 401,635. WESLACO CITRUS ASSOCIATION, Weslaco, Tex. Filed Jan. 6, 1938.

VALLEY GLORY

For Fresh Citrus Fruits.
Claims use since Oct. 20, 1937.

Ser. No. 402,034. TEX-O-KAN FLOUR MILLS COMPANY, Dallas, Tex. Filed Jan. 17, 1938.



BEBE AGUA

For Wheat Flour.
Claims use since Jan. 19, 1926.

Ser. No. 402,150. HEBREW NATIONAL KOSHER SAUSAGE COMPANY, INC., New York, N. Y. Filed Jan. 20, 1938.

HEBREW NATIONAL

No claim is made to the words "Hebrew National", "New York", apart from the mark.
The Hebrew characters mean "Hebrew National Kosher Sausage Company, Inc. From the Particular to the Particular".
For Various Forms of Sausage.
Claims use since Feb. 15, 1906.

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Ser. No. 402,693. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Filed Feb. 4, 1938.

MY-T-FINE

Applicant is the owner of trade-mark registration No. 185,389.
For Prepared Dessert Powders Made in Various Flavors.
Claims use since July, 1916.

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Ser. No. 403,311. GREAT EASTERN INDUSTRIAL CO., doing business as Great Eastern Food Products Company, Los Angeles, Calif. Filed Feb. 23, 1938.

KEE RUK-E

For Soy Cheese, Soy Milk, Soy Cake, Soy Butter, Soy Flour, Soy Doughnuts, Roast Soy Beans, Soy Cookies, Soy Gravy and Chicken Gravy for Mandoo (a Food Product Resembling Raviolis), Chop Suey and Chow Mein; Mandoo (a Food Resembling Raviolis), Chop Suey, Chow Mein, Chili Con Carne, Tamales, Fried Noodles, Rice Cakes, Fried Rice, Chicken Ravioli, Bean Sprouts, Soy Bean Sprouts, Soy Sauce, Sauce for Mandoo (a Food Product Resembling Raviolis), Meat Sauce, Fish Sauce, Fowl Sauce, Steak Sauce, Chop Suey Sauce, and Chow Mein Sauce.
Claims use since Feb. 12, 1938.

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Ser. No. 403,550. C. C. LANG & SON, INC., Baltimore, Md. Filed Mar. 1, 1938.

XTRA HI

For Pickles, Pickled Onions, and Sweet Relishes and Pepper Relishes.
Claims use since Feb. 22, 1938.

Ser. No. 403,579. CARR'S INC., Janesville, Wis. Filed Mar. 2, 1938.

Carr's K-R KNOWN RELIABILITY COFFEE

No claim is made to the words "Brand Known Reliability Coffee" apart from the mark.
For Coffee.
Claims use since July 1, 1937.

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Ser. No. 403,683. ADOLPH GOLDMARK & SONS CORP., New York, N. Y. Filed Mar. 4, 1938.



For Olives, Olive Oil, Spices, and Cheese, and Canned Fish.
Claims use since August, 1936.

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Ser. No. 404,815. MICHIGAN BEAN COMPANY, Saginaw, Mich. Filed Apr. 2, 1938.




For Navy Beans.
Claims use since January, 1921.



Ser. No. 404,887. DEZAUCHE & SON, Opelousas, La. Filed Apr. 5, 1938.




For Fresh Vegetables.
Claims use since September, 1923.

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Ser. No. 405,052. ATLAS CANNING COMPANY, INC., New York and Glendale, N. Y. Filed Apr. 9, 1938.




For Canned Food for Dogs, Cats, and Carnivorous Animals.
Claims use since 1934.

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Ser. No. 405,326. SOUTHERN GROCERY STORES, INC., Atlanta, Ga. Filed Apr. 15, 1938.

HAPPICOOK

For Self-Rising Flour.
Claims use since Jan. 25, 1938.

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Ser. No. 405,365. THE MIDLAND FLOUR MILLING COMPANY, Kansas City, Mo. Filed Apr. 16, 1938.




For Wheat Flour.
Claims use since Dec. 20, 1935.

## CLASS 47

### Wines

Ser. No. 404,271. AXEL H. SKJELBORG, New York, N. Y. Filed Mar. 19, 1938.



KIJAFA

For Wine.
Claims use since July, 1937.

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## CLASS 48

### Malt Beverages and Liquors

Ser. No. 404,594. WASHINGTON BREWERIES, INC., Columbus, Ohio. Filed Mar. 28, 1938.

Norh-Eins

For Beer.
Claims use since Aug. 17, 1937.

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## CLASS 49

### Distilled Alcoholic Liquors

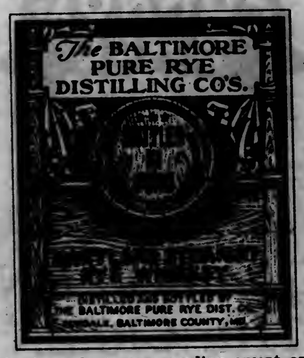
Ser. No. 402,092. HAIG & HAIG LIMITED, Glasgow, Scotland. Filed Jan. 19, 1938. Under 10-year proviso.

HAIG & HAIG

For Scotch Whisky.
Claims use since Feb. 20, 1895.

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Ser. No. 404,286. THE BALTIMORE PURE RYE DISTILLING COMPANY, Dundalk, Md. Filed Mar. 21, 1938.




No claim is made to any wording except applicant's name or to the outline of the label apart from the mark.
For Pure Rye Whiskey.
Claims use since Feb. 11, 1938.

Ser. No. 404,287. THE BALTIMORE PURE RYE DISTILLING COMPANY, Dundalk, Md. Filed Mar. 21, 1938.




No claim is made to the words "Real" and "Rye" or to the outline of the label apart from the mark.
For Pure Rye Whiskey.
Claims use since Feb. 11, 1938.

Ser. No. 405,034. THE PADDINGTON CORPORATION, New York, N. Y. Filed Apr. 8, 1938.

**BIRTHDAY**

For Rye, Bourbon, Scotch and Irish Whiskies, Gin, Rum, Cognac, Brandy, and Alcoholic Cordials.
Claims use since Apr. 2, 1938.

Ser. No. 405,123. LONDON & COMPANY, INC., Elizabeth, N. J. Filed Apr. 11, 1938.

**GRAND JURY**

For Bourbon Whiskey.
Claims use since Jan. 13, 1936.

Ser. No. 405,459. THE OLD QUAKER COMPANY, Lawrenceburg, Ind. Filed Apr. 19, 1938.




For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Dec. 3, 1937.

Ser. No. 405,551. JOSEPH S. FINCH AND COMPANY, New York, N. Y., and Schenley, Pa. Filed Apr. 21, 1938.

**GAMBOL ON THE GREEN**

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Feb. 22, 1938.

Ser. No. 405,889. PENNSYLVANIA DISTILLING CO., INC., Logansport, Pa. Filed Apr. 30, 1938.

**BATTLESHIP**

For Whiskey.
Claims use since Mar. 29, 1938.

Ser. No. 405,890. PENNSYLVANIA DISTILLING CO., INC., Logansport, Pa. Filed Apr. 30, 1938.




For Whiskey.
Claims use since Apr. 6, 1938.

## CLASS 50

### Merchandise Not Otherwise Classified

Ser. No. 403,062. SUPERLATEX PRODUCTS INC., New York, N. Y. Filed Feb. 15, 1938.

**SUPERLATEX**

For Products Made From a Latex Composition—Namely, Works of Art in the Nature of Statuary and Figurines, Ornamental Plaques, Advertising and Decorative Display Models, and Decorative Masks.
Claims use since July 28, 1937.

Ser. No. 403,655. LENOX, INCORPORATED, Trenton, N. J. Filed Mar. 3, 1938.




For Bric-a-Brac Formed of Pottery or Ceramic Materials.
Claims use since Feb. 1, 1906.

Ser. No. 405,004. ACME BACKING CORPORATION, New York and Brooklyn, N. Y. Filed Apr. 8, 1938.

**FLEXKIN**

For Processed Piece Goods Made of Cotton and Leather.
Claims use since June 3, 1937.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 7, 1938

357,376. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. JOHNSON-STEPHENS & SHINKLE SHOE COMPANY, St. Louis, Mo.
Filed September 20, 1935. Serial No. 369,536. PUBLISHED NOVEMBER 30, 1937. Class 39.

357,377. WINES. BOHEMIAN DISTRIBUTING CO. LTD., Los Angeles, Calif.
Filed December 11, 1935. Serial No. 372,507. PUBLISHED MARCH 29, 1938. Class 47.

357,378. LINGERIE, SUCH AS LADIES' PANTIES, CHEMISES, BRASSIÈRES, NIGHTGOWNS, AND PAJAMAS, LEATHER AND FABRIC GLOVES, AND HOSIERY. MOSS STORES, INC., San Francisco, Calif.
Filed December 16, 1935. Serial No. 372,679. PUBLISHED MARCH 15, 1938. Class 39.

357,379. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. JOHNSON-STEPHENS & SHINKLE SHOE COMPANY, St. Louis, Mo.
Filed May 15, 1936. Serial No. 378,487. PUBLISHED NOVEMBER 23, 1937. Class 39.

357,380. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. JOHNSON-STEPHENS & SHINKLE SHOE COMPANY, St. Louis, Mo.
Filed June 1, 1936. Serial No. 379,096. PUBLISHED DECEMBER 14, 1937. Class 39.

357,381. ANIMAL FOODS, PARTICULARLY POULTRY FOODS. PAUL A. WATSON, doing business as Oak Park Creamery, Pasadena, Calif.
Filed July 27, 1936. Serial No. 381,504. PUBLISHED MARCH 29, 1938. Class 46.

357,382. RADIO EQUIPMENT AND RADIO COMMUNICATION SYSTEMS AND EQUIPMENT AND PARTS AND ACCESSORIES THEREFOR, IN PARTICULAR, RADIO RECEIVING AND TRANSMITTING APPARATUS, RADIO MARKER BEACONS, RADIO RIGHT-LEFT COURSE CORRECTION INDICATORS, RADIO DIRECTION FINDERS, AND BLIND LANDING APPARATUS FOR AIRCRAFT. BENDIX AVIATION CORPORATION, South Bend, Ind.
Filed September 15, 1936. Serial No. 383,250. PUBLISHED MARCH 29, 1938. Class 21.

357,383. PACKETS, SETS, AND MIXTURES OF POSTAGE STAMPS. UNIVERSAL STAMP COMPANY, Brooklyn, N. Y.
Filed September 17, 1936. Serial No. 383,287. PUBLISHED FEBRUARY 22, 1938. Class 38.

357,384. CANNED FRUITS—NAMELY, APRICOTS, PEACHES, PEARS, AND PINEAPPLE, BEANS WITH PORK, DRIED PEAS, DRIED BEANS, TAPIOCA, AND NOODLES. THE GRAND UNION COMPANY, New York, N. Y.
Filed October 3, 1936. Serial No. 383,927. PUBLISHED SEPTEMBER 14, 1937. Class 46.

357,385. PARTLY FINISHED NEEDLE-POINT TAPESTRIES. DRITE-TRAUM COMPANY, INC., New York, N. Y.
Filed October 22, 1936. Serial No. 384,651. PUBLISHED FEBRUARY 9, 1937. Class 40.

357,386. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. JOHNSON-STEPHENS & SHINKLE SHOE COMPANY, St. Louis, Mo.
Filed November 16, 1936. Serial No. 385,586. PUBLISHED JANUARY 4, 1938. Class 39.

357,387. LADIES' HATS. SALFAIR, INC., New York, N. Y.
Filed November 19, 1936. Serial No. 385,753. PUBLISHED FEBRUARY 9, 1937. Class 39.

357,388. WATCHES AND CLOCKS. THE LONGINES-WHITTNAUER CO. INC., New York, N. Y.
Filed December 7, 1936. Serial No. 386,434. PUBLISHED MARCH 29, 1938. Class 27.

357,389. WHISKEY. PENNSYLVANIA DISTILLING CO., INC., Logansport, Pa., assignor to The American Distilling Company, New York, N. Y., a corporation of Maryland.
Filed January 8, 1937. Serial No. 387,593. PUBLISHED MARCH 9, 1937. Class 49.

357,390. CANNED SAUCE. FRANCIS H. LEGGETT & COMPANY, New York, N. Y.
Filed January 12, 1937. Serial No. 387,706. PUBLISHED MARCH 1, 1938. Class 46.

357,391. GAMES OF CHANCE PLAYED WITH CONCEALED NUMBERS, ETC. WEBTS NOVELTY COMPANY, INCORPORATED, Muncie, Ind.
Filed January 14, 1937. Serial No. 387,808. PUBLISHED MARCH 29, 1938. Class 22.

357,392. ELECTRICAL SIGNS, ELECTRICAL SIGN PANELS, ELECTRICAL SIGN FLASHERS, AND ELECTRICAL CONTACTS. BESBEE PRODUCTS CORPORATION, Trenton, N. J.
Filed March 11, 1937. Serial No. 389,903. PUBLISHED MARCH 29, 1938. Class 21.

357,393. TUBULAR CONTAINERS FOR MERCHANDISE. IVERS-LEE COMPANY, Newark, N. J.
Filed March 12, 1937. Serial No. 389,990. PUBLISHED MARCH 29, 1938. Class 2.

357,394. BREAD. ROY J. WOOD, St. Louis, Mo.
Filed March 15, 1937. Serial No. 390,104. PUBLISHED MARCH 29, 1938. Class 46.

357,395. DRESSES; DRESS, NEGLIGEE, AND WORK SHIRTS; UNDERWEAR SUITS AND STEP-INS IN THE NATURE OF UNDERDRAWERS, CHEMISES, BLOOMERS, AND SLIPS, MADE OF SILK, WOOL, RAYON, OR COTTON FABRICS, OR COMBINATIONS THEREOF FOR MEN, WOMEN, AND CHILDREN. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I.
Filed March 18, 1937. Serial No. 390,222. PUBLISHED MARCH 1, 1938. Class 39.

357,396. METAL IDENTIFYING SEALS FOR FURS AND THE LIKE. SECURITY FUR SEAL CO. INC., New York, N. Y.
Filed March 18, 1937. Serial No. 390,245. PUBLISHED MARCH 29, 1938. Class 50.

357,397. WOMEN'S AND CHILDREN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. NU-WAY SHOE CO. INC., New York, N. Y.
Filed March 19, 1937. Serial No. 390,280. PUBLISHED MARCH 1, 1938. Class 39.

357,398. OVERALLS, MEN'S COATS, OUTER SHIRTS, PANTS, BOYS' SHORTS. KLIMAX OVERALL COMPANY, INC., Athens, Ga.
Filed April 12, 1937. Serial No. 391,226. PUBLISHED FEBRUARY 22, 1938. Class 39.

357,399. LADIES' AND CHILDREN'S HATS. CHARLES KARTIGANER, doing business as Kartiganer & Co., New York, N. Y.
Filed May 10, 1937. Serial No. 392,539. PUBLISHED MARCH 22, 1938. Class 39.

357,400. SPRUCE OARS, HYDRO-PLANE PADDLES, CANOE PADDLES, AND PUNTING POLES. LLOYD H. TURNER, Ketchikan, Territory of Alaska.
Filed May 17, 1937. Serial No. 392,898. PUBLISHED MARCH 29, 1938. Class 19.

357,401. ELECTRIC SHAVERS FOR REMOVING HAIR. NICHOLL, INC., Los Angeles, Calif.
Filed May 22, 1937. Serial No. 393,142. PUBLISHED MARCH 29, 1938. Class 23.

357,402. LEATHER SHOES FOR WOMEN. NATIONAL SHOE CORPORATION, Marlboro, Mass.
Filed May 24, 1937. Serial No. 393,180. PUBLISHED MARCH 22, 1938. Class 39.

357,403. CEREAL FOOD PRODUCTS OF THE BREAKFAST FOOD TYPE. NEW FOODS, INC., Chicago, Ill.
Filed May 29, 1937. Serial No. 393,441. PUBLISHED MARCH 29, 1938. Class 46.

357,404. FUR SKINS AND PELTS. CENTRAL CORPORATION "SOJUSPUSCHNINA", Moscow, U. S. S. R.
Filed June 3, 1937. Serial No. 393,580. PUBLISHED MARCH 29, 1938. Class 1.

357,405. CANNED VEGETABLES, CANNED AND FRESH FROZEN FRUITS, CANNED SOUPS, CANNED FRUIT JUICES AND VEGETABLE JUICES FOR FOOD PURPOSES, ETC. JOHN SEXTON & Co., Chicago, Ill.
Filed June 5, 1937. Serial No. 393,737. PUBLISHED DECEMBER 28, 1937. Class 46.

357,406. FABRIC TRIMMING ATTACHMENTS AND PARTS THEREOF FOR SEWING MACHINES. MAN-SEW PINKING ATTACHMENT CORP., New York, N. Y.
Filed June 8, 1937. Serial No. 393,813. PUBLISHED MARCH 1, 1938. Class 23.

357,407. AIR CONDITIONING UNITS. BORG-WARNER CORPORATION, Detroit, Mich.
Filed June 21, 1937. Serial No. 394,313. PUBLISHED MARCH 29, 1938. Class 34.

357,408. BRANDIES, GINS, LIQUEURS, WHISKIES, RUMS. THE HAMBURGER COMPANY, Chicago, Ill.
Filed June 28, 1937. Serial No. 394,602. PUBLISHED MARCH 22, 1938. Class 40.

357,409. ARTISTIC PRINTS OF ALL KINDS, MORE ESPECIALLY ON CELLULOSE FILMS AND LIKE MATERIAL. TRANSART AKTIEBOLAG, Goteborg, Sweden.
Filed July 6, 1937. Serial No. 394,919. PUBLISHED MARCH 29, 1938. Class 38.

357,410. NECKTIES MADE PRINCIPALLY OF WORSTED, SOME HAVING SILK OR RAYON DECORATIONS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed July 7, 1937. Serial No. 394,931. PUBLISHED SEPTEMBER 7, 1937. Class 39.

357,411. GEARS, PULLEYS, AND SPROCKETS. GEARS AND TRANSMISSIONS CORPORATION, Chicago, Ill.
Filed July 8, 1937. Serial No. 394,984. PUBLISHED MARCH 29, 1938. Class 23.

357,412. AEROPLANES AND STRUCTURAL PARTS THEREOF. RENAULT-AVIATION, Billancourt, France.
Filed July 9, 1937. Serial No. 395,050. PUBLISHED MARCH 29, 1938. Class 19.

357,413. CLOTHING—NAMELY, WOMEN'S HOUSE DRESSES. JOHN H. MCEVOY, doing business as Home Manufacturing Company, Decatur, Ill.
Filed July 12, 1937. Serial No. 395,138. PUBLISHED MARCH 1, 1938. Class 39.

357,414. WHEELS FOR PIPE CUTTERS AND PIPE CUTTERS. REED MANUFACTURING COMPANY, Erie, Pa.
Filed July 17, 1937. Serial No. 395,355. PUBLISHED MARCH 29, 1938. Class 23.

357,415. DRINK STIRRERS OR MUDDLERS. YOUNGBERG BROTHERS, Meriden, Conn.
Filed July 22, 1937. Serial No. 395,555. PUBLISHED MARCH 29, 1938. Class 23.

357,416. CABLES, WIRES, AND CONDUCTORS FOR ELECTRIC CURRENT. WILLIAMSPORT WIRE ROPE COMPANY (in receivership), Williamsport, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania.
Filed July 29, 1937. Serial No. 395,777. PUBLISHED MARCH 29, 1938. Class 21.

357,417. TARGET GAMES. ROY-TOY COMPANY, INC., Worcester, Mass., now by change of name Royal Toy Company, Inc.
Filed July 30, 1937. Serial No. 395,838. PUBLISHED MARCH 29, 1938. Class 22.

357,418. CLEANING COMPOUND PARTICULARLY USEFUL FOR DISHWASHING AND THE LIKE. THE J. B. FORD COMPANY, Wyandotte, Mich.
Filed July 31, 1937. Serial No. 395,860. PUBLISHED MARCH 29, 1938. Class 4.

357,419. SHOE PROTECTORS—NAMELY, COVERS APPLIED DURING THE PROCESS OF MANUFACTURE OVER THE UPPERS OF SHOES TO PREVENT SOILING WHILE HANDLING IN THE SHOEMAKING PROCESS. HOWARD PAPER COMPANY, INC., Boston, Mass.
Filed July 31, 1937. Serial No. 395,867. PUBLISHED MARCH 29, 1938. Class 2.

357,420. CHEESE BANDAGES MADE OF CHEESE CLOTH. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y.
Filed August 4, 1937. Serial No. 395,994. PUBLISHED MARCH 29, 1938. Class 42.

357,421. RADIO RECEIVERS AND PARTS THEREFOR. DICTOGRAPH PRODUCTS COMPANY, INC., New York, N. Y.
Filed August 7, 1937. Serial No. 396,121. PUBLISHED MARCH 29, 1938. Class 21.

357,422. SOLES AND HEEL TOP PIECES OF BOOTS AND SHOES. RICHARD SYDNEY LAWRENCE, doing business as R. S. Lawrence & Co., London, England.
Filed August 9, 1937. Serial No. 396,123. PUBLISHED MARCH 1, 1938. Class 39.

357,423. RUBBER HEELS, RUBBER SOLES, RUBBER HOUSEHOLD AND INDUSTRIAL GLOVES, FOOTWEAR COMPRISING BOOTS AND SHOES MADE OF RUBBER AND/OR FABRIC, BATHING SUITS, AND BATHING CAPS. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed August 7, 1937. Serial No. 396,128. PUBLISHED FEBRUARY 15, 1938. Class 39.

357,424. FRESH VEGETABLES, FRESH FIGS, AND FRESH DECIDUOUS FRUITS NOT INCLUDING FRESH APPLES. J. O. HAYES, Dinuba, Calif.
Filed August 7, 1937. Serial No. 396,132. PUBLISHED NOVEMBER 30, 1937. Class 46.

357,425. YOUNG LADIES' SHOES MADE FROM LEATHER. HUTH & JAMES SHOE CO., Milwaukee, Wis.
Filed August 16, 1937. Serial No. 396,460. PUBLISHED MARCH 15, 1938. Class 39.

357,426. RUBBER TOY BALLOONS AND GAMES OF SKILL. NEA SERVICE, INC., Cleveland, Ohio.
Filed August 17, 1937. Serial No. 396,503. PUBLISHED MARCH 1, 1938. Class 22.

357,427. BRUSHES FOR CLEANING FABRIC, UPHOLSTERY, AUTOMOBILE AND SIMILAR BODIES. THE BLACK & DECKER MANUFACTURING COMPANY, Towson, Md.
Filed August 23, 1937. Serial No. 396,662. PUBLISHED NOVEMBER 9, 1937. Class 29.

357,428. MUSICAL ACCOMPANIMENT RECORDS IN THE NATURE OF PHONOGRAPH RECORDS. KING ROSS, Jackson Heights, Long Island, N. Y.
Filed September 1, 1937. Serial No. 397,063. PUBLISHED MARCH 29, 1938. Class 36.



357,429. FLUORESCENT SCREENS FOR USE IN CATHODE RAY TUBES. RCA MANUFACTURING COMPANY, INC., Camden and Harrison, N. J.
Filed September 3, 1937. Serial No. 397,085. PUBLISHED MARCH 29, 1938. Class 21.

357,430. BOOTS OR SHOES MADE OF LEATHER. THE H. J. JUSTIN AND SONS INC., Fort Worth, Tex.
Filed September 7, 1937. Serial No. 397,098. PUBLISHED MARCH 22, 1938. Class 39.

357,431. LEATHER SHOES. THE H. J. JUSTIN AND SONS INC., Fort Worth, Tex.
Filed September 7, 1937. Serial No. 397,100. PUBLISHED MARCH 1, 1938. Class 39.

357,432. MERCHANDISE DISPLAY RACKS. MINNEAPOLIS PAPER CO., Minneapolis, Minn.
Filed September 7, 1937. Serial No. 397,195. PUBLISHED FEBRUARY 22, 1938. Class 32.

357,433. OIL LUBRICATION CHARTS AND GUIDES. SERVICE ANALYSTS, INC., New York, N. Y.
Filed September 10, 1937. Serial No. 397,305. PUBLISHED MARCH 1, 1938. Class 38.

357,434. CARDS AND SLIDES FOR AN AMUSEMENT GAME PLAYED IN THE MANNER OF BINGO. HOLLYWOOD AMUSEMENT COMPANY, INC., Chicago, Ill.
Filed September 13, 1937. Serial No. 397,364. PUBLISHED MARCH 22, 1938. Class 22.

357,435. MEN'S AND BOYS' SUITS INCLUDING COATS, VESTS, AND TROUSERS, OVERCOATS, TOPCOATS, AND RAINCOATS, ETC. ABNER A. RUBEN, New York, N. Y.
Filed September 13, 1937. Serial No. 397,381. PUBLISHED MARCH 15, 1938. Class 39.

357,436. PERIODICAL. JAMES VAN EVERA YATES, doing business as Box Lunch Publishing Co., Milwaukee, Wis.
Filed September 11, 1937. Serial No. 397,397. PUBLISHED MARCH 29, 1938. Class 38.

357,437. MEN'S NECKTIES, BATHROBES, PAJAMAS, MUFFLERS, AND HANDKERCHIEFS. BROWN & WELLS, INC., Boston, Mass.
Filed September 15, 1937. Serial No. 397,433. PUBLISHED MARCH 15, 1938. Class 39.

357,438. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. ARTHUR J. MACHIN and A. H. PROBYN, New York, N. Y.
Filed September 23, 1937. Serial No. 397,715. PUBLISHED MARCH 15, 1938. Class 39.

357,439. THE FOLLOWING ARTICLES ALL COMPOSED OF OR CONTAINING AS A PRINCIPAL CONSTITUENT RUBBER—GAGE GLASS WASHERS; PISTON ROD, STEM, PLUNGER, AND SHAFT PACKING; SHEET PACKING, VALVES, VALVE DISCS, GASKETS, HOSE, MOLDED TIRES, AND TANK BALLS. LA FAVORITE RUBBER MANUFACTURING CO., Hawthorne, N. J.
Filed September 24, 1937. Serial No. 397,760. PUBLISHED JANUARY 18, 1938. Class 35.

357,440. HATS, CAPS, OUTER SHIRTS, AND UNDERSHIRTS FOR MEN, WOMEN, BOYS, AND GIRLS; LEATHER AND FABRIC GLOVES; NECKTIES, PAJAMAS, HOSIERY, HANDKERCHIEFS, MUFFLERS, COLLARS, BATH AND LOUNGING ROBES, AND BELTS FOR OUTER WEAR. DAVID ISRAEL, Detroit, Mich.
Filed September 25, 1937. Serial No. 397,808. PUBLISHED MARCH 29, 1938. Class 39.

357,441. CARDS AND SLIDES FOR AN AMUSEMENT GAME PLAYED IN THE MANNER OF BINGO. HOLLYWOOD AMUSEMENT COMPANY, INC., Chicago, Ill.
Filed September 27, 1937. Serial No. 397,849. PUBLISHED MARCH 22, 1938. Class 22.

357,442. WALLPAPER. ISCO WALL PAPER CORPORATION, Chicago, Ill.
Filed September 27, 1937. Serial No. 397,852. PUBLISHED MARCH 29, 1938. Class 37.

357,443. PUBLICATIONS, CONTAINING AUTOMOTIVE SERVICE DATA AND INFORMATION PUBLISHED FROM TIME TO TIME. THE POTTER COMPANY, North Chicago, Ill.
Filed September 28, 1937. Serial No. 397,910. PUBLISHED FEBRUARY 1, 1938. Class 38.

357,444. CHILDREN'S RAINCOATS. PURITAN RAINCOAT CO. INC., New York, N. Y.
Filed September 28, 1937. Serial No. 397,911. PUBLISHED FEBRUARY 22, 1938. Class 39.

357,445. CANNED SARDINES. SIGURD BOSCHEN, Bergen, Norway.
Filed October 4, 1937. Serial No. 398,087. PUBLISHED MARCH 8, 1938. Class 46.

357,446. TAPS, THREADING DIES, HACKSAW FRAMES, SCREW EXTRACTORS, DIE STOCKS, PIPE STOCKS AND DIES, AND TAP WRENCHES. HENRY L. HANSON, Worcester, Mass.
Filed October 7, 1937. Serial No. 398,244. PUBLISHED MARCH 29, 1938. Class 23.

357,447. DOUGHNUTS. BRAUN BAKING COMPANY, Pittsburgh, Pa.
Filed October 11, 1937. Serial No. 398,346. PUBLISHED MARCH 29, 1938. Class 46.

357,448. PERIODICALS PUBLISHED AT IRREGULAR INTERVALS. DR. P. PHILLIPS COMPANY, INCORPORATED, Orlando, Fla.
Filed October 13, 1937. Serial No. 398,441. PUBLISHED MARCH 29, 1938. Class 38.

357,449. DIAMOND-SET CUTTING, DRILLING, ABRADING, DRESSING, AND TRUING TOOLS, AND DIAMOND SET WIRE-DRAWING TOOLS, DIAMOND CORE BITS AND DRILL BITS, AND PARTS THEREOF, AND DIAMOND-SET SLUGS THEREFOR. KOEBEL DIAMOND TOOL CO., Detroit, Mich.
Filed October 14, 1937. Serial No. 398,474. PUBLISHED APRIL 5, 1938. Class 23.

357,450. RUBBER GLOVES FOR HOUSEHOLD USE. THE PIONEER RUBBER COMPANY, Willard, Ohio.
Filed October 14, 1937. Serial No. 398,490. PUBLISHED MARCH 29, 1938. Class 39.

357,451. FRIED CHICKEN. EDWARD KENTNER, Carlsbad, Calif.
Filed October 15, 1937. Serial No. 398,540. PUBLISHED MARCH 29, 1938. Class 46.

357,452. TRADE MAGAZINE. JOHN E. CIANO, doing business as Rexton Press, New York, N. Y.
Filed October 19, 1937. Serial No. 398,665. PUBLISHED MARCH 29, 1938. Class 38.

357,453. CHART MANIPULATING AND DISPLAYING APPARATUS FOR USE IN CONNECTION WITH THE LUBRICATION AND OTHER SERVICE OF VEHICLES, ETC. SHELL PETROLEUM CORPORATION, St. Louis, Mo.
Filed October 19, 1937. Serial No. 398,692. PUBLISHED MARCH 29, 1938. Class 23.

357,454. HATS FOR MEN. THE NO NAME HAT COMPANY, New York, N. Y.
Filed October 21, 1937. Serial No. 398,786. PUBLISHED MARCH 22, 1938. Class 39.

357,455. COMBS FOR THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed October 22, 1937. Serial No. 398,802. PUBLISHED MARCH 29, 1938. Class 40.

357,456. LADIES' UNDERWEAR AND NIGHTGOWNS. SIG ROSENTHAL CO. INC., New York, N. Y.
Filed October 22, 1937. Serial No. 398,826. PUBLISHED MARCH 8, 1938. Class 39.

357,457. CONCRETE MIXING MACHINES. KOEHRING COMPANY, Milwaukee, Wis.
Filed October 23, 1937. Serial No. 398,851. PUBLISHED MARCH 1, 1938. Class 23.

357,458. MEN'S, WOMEN'S, AND CHILDREN'S SKI CLOTHING—NAMELY, SUITS, PANTS, JACKETS, CAPS, SHIRTS, SOCKS, ETC. MEIER & FRANK COMPANY, INC., Portland, Oreg.
Filed October 25, 1937. Serial No. 398,912. PUBLISHED MARCH 1, 1938. Class 39.

357,459. BOTTLED COFFEE BEVERAGE SOLD AS A FOOD DRINK. BRUNO & SOLAZZO, New York, N. Y.
Filed October 27, 1937. Serial No. 398,983. PUBLISHED MARCH 29, 1938. Class 46.

357,460. COMBS MADE OF HARD RUBBER. NEW YORK HAMBURGER GUMMI-WAAREN COMPAGNIE, Hamburg, Germany.
Filed October 27, 1937. Serial No. 399,004. PUBLISHED MARCH 29, 1938. Class 40.

357,461. STATIONARY GRAVITY CONVEYORS ESPECIALLY ADAPTED FOR HANDLING WOODEN BOXES AND PAPER OR FIBER CARTONS AND THE LIKE AND FOR PARTS THEREFOR INCLUDING CONVEYOR SECTIONS AND ROLLERS. PAUL DUBER AND SONS, Chicago, Ill.
Filed November 1, 1937. Serial No. 399,170. PUBLISHED MARCH 22, 1938. Class 23.

357,462. HANDKERCHIEFS. DAVID E. SCHWAB & Co., New York, N. Y.
Filed November 1, 1937. Serial No. 399,206. PUBLISHED MARCH 1, 1938. Class 39.

357,463. SHOES MADE OF LEATHERS AND FABRICS AS WELL AS COMBINATIONS THEREOF. THE STONE SHOE COMPANY, Cleveland, Ohio.
Filed November 1, 1937. Serial No. 399,210. PUBLISHED MARCH 8, 1938. Class 39.

357,464. MEN'S AND BOYS' HATS AND CAPS. LOUIS J. BERGER & SONS, New York, N. Y.
Filed November 3, 1937. Serial No. 399,267. PUBLISHED MARCH 29, 1938. Class 39.

357,465. FRESH CELERY. THE FORBUSH COMPANY, Pueblo, Colo.
Filed November 3, 1937. Serial No. 399,272. PUBLISHED MARCH 29, 1938. Class 46.

357,466. NEWS RELEASES ISSUED FROM TIME TO TIME. FEDERATED PRESS, New York, N. Y.
Filed November 4, 1937. Serial No. 399,295. PUBLISHED FEBRUARY 22, 1938. Class 38.

357,467. ERASERS. AMERICAN LEAD PENCIL COMPANY, New York, N. Y.
Filed November 8, 1937. Serial No. 399,436. PUBLISHED MARCH 1, 1938. Class 37.

357,468. LADIES' AND CHILDREN'S DRESSES. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed November 9, 1937. Serial No. 399,513. PUBLISHED FEBRUARY 22, 1938. Class 39.

357,469. TYPEWRITERS. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y.
Filed November 9, 1937. Serial No. 399,519. PUBLISHED MARCH 29, 1938. Class 23.

357,470. NON-REPEATING INDICATING WHEEL OR "WHEEL OF FORTUNE" FOR GAMES AND THE LIKE. FOUR-JACKS CORPORATION, Chicago, Ill.
Filed November 12, 1937. Serial No. 399,654. PUBLISHED JANUARY 25, 1938. Class 22.

357,471. FRESH DECIDUOUS FRUITS—NAMELY, FRESH PEARS. SCOTTS VALLEY FRUIT EXCHANGE, Lakeport, Calif.
Filed November 12, 1937. Serial No. 399,679. PUBLISHED MARCH 1, 1938. Class 46.

357,472. LETTUCE. WESTERN GROWERS PROTECTIVE ASSOCIATION, Los Angeles, Calif.
Filed November 12, 1937. Serial No. 399,692. PUBLISHED MARCH 29, 1938. Class 46.

357,473. FABRIC TRIMMING ATTACHMENTS AND PARTS THEREOF FOR SEWING MACHINES. MAN-SEW PINKING ATTACHMENT CORP., New York, N. Y.
Filed November 13, 1937. Serial No. 399,721. PUBLISHED MARCH 1, 1938. Class 23.

357,474. BABIES' BATHROBES, RUBBER PANTS, AND TEXTILE DIAPERS. MCCRORY STORES CORPORATION, New York, N. Y.
Filed November 17, 1937. Serial No. 399,845. PUBLISHED MARCH 15, 1938. Class 39.

357,475. FOODS AND INGREDIENTS OF FOODS—NAMELY, SEASONINGS FOR IMPROVING SOUPS, SAUCES, GRAVIES, MEAT, AND VEGETABLE DISHES. MAGGI CO., INC., New York, N. Y.
Filed November 18, 1937. Serial No. 399,892. PUBLISHED MARCH 29, 1938. Class 46.

357,476. MEN'S AND BOYS' NECKTIES, MUFFLERS, GLOVES MADE OF LEATHER OR FABRIC, OUTER SHIRTS, SWEATERS, HOSIERY, AND SPORT JACKETS. ALLIED KNITTING MILLS, New York, N. Y.
Filed November 22, 1937. Serial No. 399,988. PUBLISHED FEBRUARY 15, 1938. Class 39.

357,477. MEN'S, WOMEN'S, AND CHILDREN'S KNITTED OUTER WEAR—NAMELY, SWEATERS, PLAY-SUITS, JACKETS, SHIRTS, BATHING SUITS, PAJAMAS, AND BEACH ROBES. JAYKNIT COMPANY INC., New York, N. Y.
Filed November 23, 1937. Serial No. 400,056. PUBLISHED MARCH 8, 1938. Class 39.

357,478. SHELLED POP CORN. W. HOOVER BROWN, doing business as Wyandot Popcorn Co., Marion, Ohio.
Filed November 26, 1937. Serial No. 400,179. PUBLISHED MARCH 29, 1938. Class 46.

357,479. SHOE TESTING MACHINERY. W. L. DOUGLAS SHOE CO., Brockton, Mass.
Filed November 27, 1937. Serial No. 400,189. PUBLISHED MARCH 29, 1938. Class 26.

357,480. ELECTRICAL DEVICES FOR CHARGING WIRE FENCES. GEORGE W. WRIGHT, doing business as The Electric Herdsman Company, Milwaukee, Wis.
Filed November 29, 1937. Serial No. 400,269. PUBLISHED MARCH 29, 1938. Class 21.

357,481. PHOTOGRAPHIC CAMERAS AND PHOTOGRAPHIC FILM PACK ADAPTERS. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y.
Filed November 30, 1937. Serial No. 400,296. PUBLISHED MARCH 29, 1938. Class 26.

357,482. LETTER PAPERS AND ENVELOPES, WRITING PAPER, PAPER NAPKINS, PENS, WOOD-ENCASED, MECHANICAL, AND SLATE PENCILS, PAPER TOWELS, TOILET PAPER, PAPER TAPE, AND WALL PAPERS. KRESGE DEPARTMENT STORE, NEWARK, Newark, N. J., assignor to Sebastian S. Kresge, trading as Kresge Department Store, Newark, Newark, N. J., and elsewhere.
Filed November 30, 1937. Serial No. 400,311. PUBLISHED MARCH 29, 1938. Class 37.

357,483. CHILDREN'S, WOMEN'S, LADIES', AND MISSES' DRESSES. HUBBITE INFORMAL FROCKS, INC., Boston, Mass.
Filed December 1, 1937. Serial No. 400,344. PUBLISHED FEBRUARY 1, 1938. Class 39.

357,484. CANNED CRUSHED APPLES, AND APPLE RINGS. EMIL K. MALMQUIST, South Bellingham, Wash.
Filed December 2, 1937. Serial No. 400,381. PUBLISHED MARCH 29, 1938. Class 46.

357,485. LADIES', MEN'S, AND CHILDREN'S GLOVES OF LEATHER, FABRIC, AND COMBINATIONS OF SAID MATERIALS. LOUIS MEYERS & SON, INC., New York, N. Y.
Filed December 2, 1937. Serial No. 400,384. PUBLISHED MARCH 1, 1938. Class 39.

357,486. BOX-SPRINGS, MATTRESSES, AND PILLOWS. A. WEIGELL & SON, INC., Milwaukee, Wis.
Filed December 2, 1937. Serial No. 400,395. PUBLISHED FEBRUARY 8, 1938. Class 32.



357,487. NECKWEAR—NAMELY, MEN'S AND BOYS' NECKTIES, CRAVATS, AND MUFFLERS. FRANK & MEYER NECKWEAR COMPANY, St. Louis, Mo.
Filed December 3, 1937. Serial No. 400,410. PUBLISHED MARCH 1, 1938. Class 39.

357,488. RUBBER HEELS AND SOLES. THE HOLTITE MANUFACTURING CO., INC., Baltimore, Md.
Filed December 3, 1937. Serial No. 400,418. PUBLISHED MARCH 1, 1938. Class 39.

357,489. PLAIN AND PRINTED RAYON AND ACETATE CLOTH IN THE PIECE. CHOPAK TEXTILE CO. INC., New York, N. Y.
Filed December 4, 1937. Serial No. 400,453. PUBLISHED MARCH 29, 1938. Class 42.

357,490. KNITTED, NETTED, AND TEXTILE PIECE-GOODS, SAME BEING MADE AND WILL BE MADE OF SILK, WOOL, COTTON, RAYON, AND OF A MIXTURE OF ANY AND ALL SUCH MATERIALS. THE LAMPL SPORTSWEAR MANUFACTURING COMPANY, Cleveland, Ohio.
Filed December 6, 1937. Serial No. 400,488. PUBLISHED MARCH 29, 1938. Class 42.

357,491. LIQUID ATOMIZING APPARATUS COMPRISING A COMPLETE UNIT INCLUDING A CABINET, FILTERS, AND AIR PUMPS. ANDRE (COMPONENTS) LIMITED, London, England.
Filed December 6, 1937. Serial No. 400,489. PUBLISHED MARCH 29, 1938. Class 23.

357,492. INFANTS' AND CHILDREN'S SHIRTS, VESTS, UNION SUITS, NIGHTGOWNS, PANTIES, AND WAISTS. EARNSHAW KNITTING COMPANY, Newton, Mass.
Filed December 6, 1937. Serial No. 400,497. PUBLISHED MARCH 29, 1938. Class 39.

357,493. INFANTS' AND CHILDREN'S SHIRTS, VESTS, UNION SUITS, NIGHTGOWNS, PANTIES, AND WAISTS. EARNSHAW KNITTING COMPANY, Newton, Mass.
Filed December 6, 1937. Serial No. 400,498. PUBLISHED MARCH 29, 1938. Class 39.

357,494. HANDKERCHIEFS. ROHA LEINEN- UND BAUMWOLLWAREN-DRUCKEREI INH. K. M. LÖWIT, Vrchlabi, Czechoslovakia.
Filed December 6, 1937. Serial No. 400,514. PUBLISHED MARCH 22, 1938. Class 39.

357,495. BEER. THE OSHKOSH BREWING CO., Oshkosh, Wis.
Filed December 6, 1937. Serial No. 400,521. PUBLISHED MARCH 29, 1938. Class 48.

357,496. LINEN HANDKERCHIEFS. ROBINSON & CLEAVER LIMITED, London, England.
Filed December 7, 1937. Serial No. 400,570. PUBLISHED MARCH 15, 1938. Class 39.

357,497. WEEKLY MAGAZINE. THE FRANK A. MUNSEY COMPANY, New York, N. Y.
Filed December 8, 1937. Serial No. 400,609. PUBLISHED MARCH 29, 1938. Class 38.

357,498. GREETING CARDS, CALENDARS, AND DECORATIVE PRINTED TAGS. NORCROSS, New York, N. Y.
Filed December 9, 1937. Serial No. 400,653. PUBLISHED MARCH 15, 1938. Class 38.

357,499. MEN'S, WOMEN'S, AND CHILDREN'S WEARING APPAREL—NAMELY, UNDERWEAR; DRESS, NEGLIGEE, AND WORK SHIRTS; BATHING SUITS, MUFFLERS, ETC. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed December 9, 1937. Serial No. 400,656. PUBLISHED MARCH 15, 1938. Class 39.

357,500. MEN'S AND WOMEN'S SHOES AND SLIPPERS MADE OF LEATHER AND/OR FABRIC OR MIXTURES OF THESE MATERIALS. A. S. BECK SHOE CORPORATION, New York, N. Y.
Filed December 10, 1937. Serial No. 400,679. PUBLISHED FEBRUARY 15, 1938. Class 39.

357,501. PERIODICAL PUBLICATIONS. JUNIOR CAVALRY OF AMERICA, INC., West Orange, N. J.
Filed December 11, 1937. Serial No. 400,730. PUBLISHED MARCH 1, 1938. Class 38.

357,502. APPLE BRANDY. FREEHOLD DISTILLING COMPANY, INC., Freehold, N. J.
Filed December 13, 1937. Serial No. 400,757. PUBLISHED MARCH 15, 1938. Class 49.

357,503. MEN'S, LADIES', AND CHILDREN'S BOOTS, SHOES, SLIPPERS, AND SANDALS COMPOSED OF LEATHER, RUBBER, FABRIC AND/OR COMBINATIONS OF SAID MATERIALS. JACOB H. GILBERT, South Bend, Ind.
Filed December 13, 1937. Serial No. 400,760. PUBLISHED MARCH 15, 1938. Class 39.

357,504. BROACHING AND LAPPING COMPOUNDS. NATIONAL BROACH & MACHINE CO., Detroit, Mich.
Filed December 13, 1937. Serial No. 400,785. PUBLISHED MARCH 29, 1938. Class 4.

357,505. AUTOMOBILE AERIALS. THE WARD PRODUCTS CORPORATION, Cleveland, Ohio.
Filed December 11, 1937. Serial No. 400,822. PUBLISHED MARCH 29, 1938. Class 21.

357,506. PERIODICAL PUBLICATION. ETHEL TRAPHAGEN LEIGH, doing business as The Traphagen School of Fashion, New York, N. Y.
Filed December 14, 1937. Serial No. 400,844. PUBLISHED MARCH 29, 1938. Class 38.

357,507. CHILDREN'S SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THOSE MATERIALS. FREDERICK LOESER & CO., INC., Brooklyn, N. Y.
Filed December 14, 1937. Serial No. 400,845. PUBLISHED MARCH 15, 1938. Class 39.

357,508. NON-INFLAMMABLE, ELECTRICAL INSULATING FLUID. AMERICAN TRANSFORMER COMPANY, Newark, N. J.
Filed December 15, 1937. Serial No. 400,863. PUBLISHED MARCH 29, 1938. Class 21.

357,509. HATS AND HAT BODIES FOR WOMEN'S AND CHILDREN'S HATS. HENRY POLLAK, INC., New York, N. Y.
Filed December 15, 1937. Serial No. 400,877. PUBLISHED MARCH 15, 1938. Class 39.

357,510. COTTON PIECE GOODS. RIEGEL TEXTILE CORPORATION, New York, N. Y.
Filed December 15, 1937. Serial No. 400,878. PUBLISHED MARCH 15, 1938. Class 42.

357,511. HAND KNITTING NEEDLES AND HAND SEWING NEEDLES. LILY MILLS COMPANY, Shelby, N. C.
Filed December 16, 1937. Serial No. 400,914. PUBLISHED MARCH 22, 1938. Class 40.

357,512. NEWSPAPER SYNDICATED FEATURE. PUBLIC LEDGER, INC., Philadelphia, Pa.
Filed December 16, 1937. Serial No. 400,923. PUBLISHED MARCH 1, 1938. Class 38.

357,513. CHILDREN'S SHOES CONSTRUCTED OF LEATHER. GOLDBLATT BROS. INC., Chicago, Ill.
Filed December 17, 1937. Serial No. 400,968. PUBLISHED MARCH 15, 1938. Class 39.

357,514. SHOES AND SLIPPERS OF LEATHER OR KID. THE JUVENILE SHOE CORPORATION OF AMERICA, Aurora and St. Louis, Mo.
Filed December 17, 1937. Serial No. 400,972. PUBLISHED MARCH 15, 1938. Class 39.

357,515. PERIODICAL PUBLICATION. DAVID MCKAY COMPANY, Philadelphia, Pa.
Filed December 17, 1937. Serial No. 400,982. PUBLISHED MARCH 1, 1938. Class 38.

357,516. EDUCATIONAL GAME CONSISTING OF A PLURALITY OF CUBES UPON EACH SIDE OF WHICH IS SHOWN A LETTER OF THE ALPHABET, THE AIM BEING TO COMPOSE AS MANY CORRECT WORDS AS POSSIBLE BY COMBINING ALL OR CERTAIN LETTERS APPEARING AT THE TOP OF THE CUBES AT EACH THROW THEREOF. WILLIAM H. THOMAS, Pittsburgh, Pa.
Filed December 17, 1937. Serial No. 401,006. PUBLISHED FEBRUARY 15, 1938. Class 22.

357,517. CORSETS. LILY OF FRANCE CORSET COMPANY, INC., New York, N. Y.
Filed December 18, 1937. Serial No. 401,026. PUBLISHED MARCH 15, 1938. Class 39.

357,518. LADIES' AND MISSES' BLOUSES, DRESSES, AND SWEATERS. HARRY COMLETT & Co., New York, N. Y.
Filed December 20, 1937. Serial No. 401,048. PUBLISHED FEBRUARY 22, 1938. Class 39.

357,519. SHEETS, PILLOW CASES, TOWELS, BLANKETS, AND LINENS. R. H. MACY & Co., INC., New York, N. Y.
Filed December 20, 1937. Serial No. 401,065. PUBLISHED MARCH 1, 1938. Class 42.

357,520. PERIODICALS PUBLISHED FROM TIME TO TIME, CATALOGUES, AND BOOKLETS. THE GRADUATE SCHOOL OF BANKING, New York, N. Y.
Filed December 21, 1937. Serial No. 401,108. PUBLISHED MARCH 29, 1938. Class 38.

357,521. HATS FOR WOMEN AND CHILDREN, AND HAT BODIES FOR WOMEN'S AND CHILDREN'S HATS. HENRY POLLAK, INC., New York, N. Y.
Filed December 21, 1937. Serial No. 401,119. PUBLISHED MARCH 15, 1938. Class 39.

357,522. LEGUME SEEDS, SEED GRAINS AND GRASS AND FIELD SEEDS. FUNK BROS. SEED CO., INCORPORATED, Bloomington, Ill.
Filed December 22, 1937. Serial No. 401,142. PUBLISHED MARCH 22, 1938. Class 1.

357,523. SHAVING SOAP AND SHAVING CREAM. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.
Filed December 22, 1937. Serial No. 401,161. PUBLISHED MARCH 29, 1938. Class 4.

357,524. CLASPS FOR GARMENT SUPPORTERS AND THE LIKE. KING CLASP COMPANY, INC., New York, N. Y.
Filed December 23, 1937. Serial No. 401,188. PUBLISHED MARCH 15, 1938. Class 40.

357,525. CIGARETTES. SKILLERN & SONS, INC., Dallas, Tex.
Filed December 23, 1937. Serial No. 401,199. PUBLISHED MARCH 29, 1938. Class 17.

357,526. UPHOLSTERY AND DRAPERY FABRICS. ALLEN KANDELL, INC., New York, N. Y.
Filed December 24, 1937. Serial No. 401,220. PUBLISHED FEBRUARY 22, 1938. Class 42.

357,527. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed December 24, 1937. Serial No. 401,223. PUBLISHED FEBRUARY 22, 1938. Class 39.

357,528. BEER. SPRINGFIELD BREWING COMPANY, Springfield, Ill.
Filed December 24, 1937. Serial No. 401,226. PUBLISHED MARCH 29, 1938. Class 48.

357,529. LADIES' AND MISSES' COSTUME SUITS, DRESSES, COATS, AND HATS. SIMON ETKIN, New York, N. Y.
Filed December 27, 1937. Serial No. 401,245. PUBLISHED MARCH 1, 1938. Class 39.

357,530. PIECE GOODS FOR SUITINGS MADE OF WOOLEN TROPICAL WORSTED, SILK, COTTON, OR COMBINATIONS THEREOF. HAFT & COMPANY, LTD., New York, N. Y.
Filed December 27, 1937. Serial No. 401,259. PUBLISHED MARCH 29, 1938. Class 42.

357,531. MEN'S AND WOMEN'S FELT HATS. THE A. E. HODSHON CORPORATION, Danbury, Conn.
Filed December 27, 1937. Serial No. 401,262. PUBLISHED MARCH 1, 1938. Class 39.

357,532. QUILTS, PADS FOR BEDS, COTS, COUCHES, DAVENPORTS, CRIBS, CHAIRS, AND SEATS. CHESTER L. THOMAS, doing business as Thomas Quilt Factories, Denver, Colo.
Filed December 27, 1937. Serial No. 401,281. PUBLISHED MARCH 22, 1938. Class 42.

357,533. BRASSIÈRES, FOUNDATION GARMENTS, CORSETS, GIRDLES, AND GARTER-BELTS. BEAUTEX-FIT COMPANY, INC., Los Angeles, Calif.
Filed December 28, 1937. Serial No. 401,289. PUBLISHED MARCH 1, 1938. Class 39.

357,534. WEARING APPAREL—NAMELY, MEN'S, WOMEN'S, AND CHILDREN'S SKI SUITS, SNOW SUITS, CAPS, HATS, SOCKS, STOCKINGS, GLOVES MADE OF FABRICS, JACKETS, BLOUSES, SWEATERS, DRESSES, SUITS, OUTER SKIRTS, COATS, BATHING SUITS, SLACKS, POLO SHIRTS, PLAY SUITS AND CAPES, BEACH HATS MADE OF FABRIC OR STRAW. COLLEGE POINTERS, College Point, N. Y.
Filed December 28, 1937. Serial No. 401,296. PUBLISHED MARCH 22, 1938. Class 39.

357,535. EMPTY WRAPPERS AND/OR BAGS MADE OF GLASSINE, VEGETABLE PARCHMENT, CELLULOSE FILM, OR WAXED PAPER. JOE LOWE CORPORATION, New York, N. Y.
Filed December 28, 1937. Serial No. 401,311. PUBLISHED MARCH 1, 1938. Class 2.

357,536. MEN'S, WOMEN'S, AND CHILDREN'S LEATHER SHOES. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo.
Filed December 28, 1937. Serial No. 401,313. PUBLISHED MARCH 22, 1938. Class 39.

357,537. CIGARS. JOSE ESCALANTE & Co., Chicago, Ill.
Filed December 29, 1937. Serial No. 401,341. PUBLISHED MARCH 1, 1938. Class 17.

357,538. CHEESE. S. A. EGIDIO GALBANI, Melzo, Italy.
Filed December 27, 1937. Serial No. 401,360. PUBLISHED MARCH 29, 1938. Class 46.

357,539. OUTER SHIRTS AND PAJAMAS. BRONNE SHIRT Co., Hudson Falls, N. Y.
Filed December 30, 1937. Serial No. 401,368. PUBLISHED MARCH 29, 1938. Class 39.

357,540. RUBBER SOLES AND HEELS. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed December 30, 1937. Serial No. 401,384. PUBLISHED MARCH 1, 1938. Class 39.

357,541. RUBBER SOLES AND HEELS. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed December 30, 1937. Serial No. 401,385. PUBLISHED MARCH 1, 1938. Class 39.

357,542. BELTS FOR OUTER WEAR, SUSPENDERS, AND GARTERS. KNOTHE BROTHERS CO. INC., New York, N. Y.
Filed December 30, 1937. Serial No. 401,390. PUBLISHED MARCH 15, 1938. Class 39.

357,543. VALVE SEATS FOR POPPET VALVES OF INTERNAL COMBUSTION ENGINES. THOMPSON PRODUCTS, INCORPORATED, Cleveland, Ohio.
Filed December 30, 1937. Serial No. 401,407. PUBLISHED MARCH 29, 1938. Class 23.

357,544. TOILET TISSUE. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed December 31, 1937. Serial No. 401,417. PUBLISHED MARCH 29, 1938. Class 37.

357,545. IRONING BOARDS, PADS AND COVERS FOR IRONING BOARDS, WASH BOILERS, WASH BOARDS, AND CURTAIN STRETCHERS. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed December 31, 1937. Serial No. 401,419. PUBLISHED MARCH 1, 1938. Class 24.



357,546. VARNISHES. GREAT LAKES VARNISH WORKS, INC., doing business as Great Lakes Varnish Works, Chicago, Ill.
Filed December 31, 1937. Serial No. 401,434. PUBLISHED MARCH 1, 1938. Class 16.

357,547. BEDSPREADS. C. M. JONES & Co., Calhoun, Ga.
Filed December 31, 1937. Serial No. 401,439. PUBLISHED MARCH 8, 1938. Class 42.

357,548. PAJAMAS, BELTS FOR OUTER WEAR, GARTERS, AND SUSPENDERS. KNOTHE BROTHERS CO. INC., New York, N. Y.
Filed January 3, 1938. Serial No. 401,491. PUBLISHED MARCH 15, 1938. Class 39.

357,549. PERIODICAL PROGRAM SKITS FOR A RADIO STATION SOLD AS A PUBLICATION IN INTERSTATE TRADE. DUANE C. GOODMAN, Tacoma, Wash.
Filed January 4, 1938. Serial No. 401,528. PUBLISHED MARCH 29, 1938. Class 38.

357,550. COSMETIC OUTFITS—NAMELY, KITS INTENDED FOR HOME USE AND CONTAINING CLEANSING CREAM, PORE CLEANSER, LIQUID MAKE UP, ASTRINGENT MEDICATED CREAM, CIRCULATION STIMULANT (PASTE), AND COMBS. GILDA AUDREY PRODUCTS, INC., New York, N. Y.
Filed January 5, 1938. Serial No. 401,565. PUBLISHED MARCH 29, 1938. Class 50.

357,551. LEATHER SWEATBANDS FOR USE IN CAPS AND HATS. HARRIS & TIPOGRAPH, INC., New York, N. Y.
Filed January 5, 1938. Serial No. 401,571. PUBLISHED MARCH 15, 1938. Class 39.

357,552. LEATHER SWEATBANDS FOR USE IN CAPS AND HATS. HARRIS & TIPOGRAPH, INC., New York, N. Y.
Filed January 5, 1938. Serial No. 401,572. PUBLISHED MARCH 15, 1938. Class 39.

357,553. MACHINES FOR THE MANUFACTURE AND REFINING OF PULP SUCH AS USED IN PREPARATION OF PAPER, BOARD, FELT, AND THE LIKE MADE FROM RAG AND STRAW, WOOD CHIPS OR OTHER SUITABLE FIBROUS OR VEGETABLE STOCK. GRUENDLER CRUSHER AND PULVERISER COMPANY, St. Louis, Mo.
Filed January 6, 1938. Serial No. 401,606. PUBLISHED MARCH 29, 1938. Class 23.

357,554. PERCALES, SHEETS, AND PILLOW CASES. WILLIAM O. WANDELL, doing business as Victoria Distributors, Forest Hills, N. Y.
Filed January 6, 1938. Serial No. 401,629. PUBLISHED MARCH 22, 1938. Class 42.

357,555. CHEMICAL CLEANSING AND DETERGENT PREPARATION FOR GENERAL INDUSTRIAL AND HOUSEHOLD CLEANING. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed January 7, 1938. Serial No. 401,665. PUBLISHED MARCH 29, 1938. Class 4.

357,556. LEGAL PUBLICATION SUMMARIZING RECENT DECISIONS IN THE FIELD OF TRUST LAW, AND PUBLISHED MONTHLY. FIDUCIARY REVIEW, Norristown, Pa.
Filed January 7, 1938. Serial No. 401,669. PUBLISHED MARCH 29, 1938. Class 38.

357,557. FRESH CITRUS FRUITS. PASCO PACKING ASSOCIATION, Dade City, Fla.
Filed January 7, 1938. Serial No. 401,676. PUBLISHED MARCH 1, 1938. Class 46.

357,558. TITLE FOR A ROTOGRAVURE SECTION OF THE PHILADELPHIA INQUIRER, A SUNDAY NEWSPAPER OF GENERAL CIRCULATION. THE PHILADELPHIA INQUIRER COMPANY, Philadelphia, Pa.
Filed January 8, 1938. Serial No. 401,703. PUBLISHED MARCH 15, 1938. Class 38.

357,559. CURTAINS. SEARS, ROEBUCK AND Co., Chicago, Ill.
Filed January 8, 1938. Serial No. 401,705. PUBLISHED MARCH 1, 1938. Class 42.

357,560. CANNED FRUITS, CANNED OLIVES, OLIVE OIL, BOTTLED PIMIENTOS, PRESERVED WATERMELON RIND, AND CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES. SUPREME OLIVE OIL CORP., San Fernando, Calif.
Filed January 8, 1938. Serial No. 401,708. PUBLISHED MARCH 22, 1938. Class 46.

357,561. WOMEN'S WEARING APPAREL—NAMELY, DRESSES, UNIFORMS, HOUSE COATS, AND SMOCKS. CHIC MANUFACTURING COMPANY, Peoria, Ill.
Filed January 10, 1938. Serial No. 401,726. PUBLISHED MARCH 29, 1938. Class 39.

357,562. PERIODICAL. FICTION HOUSE, INC., New York, N. Y.
Filed January 10, 1938. Serial No. 401,730. PUBLISHED MARCH 22, 1938. Class 38.

357,563. CAPS FOR BOTTLES AND JARS. GENERAL CAN COMPANY, Chicago, Ill.
Filed January 10, 1938. Serial No. 401,736. PUBLISHED MARCH 29, 1938. Class 50.

357,564. LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. I. MILLER AND SONS, INC., Long Island City, N. Y.
Filed January 10, 1938. Serial No. 401,753. PUBLISHED MARCH 15, 1938. Class 39.

357,565. TRADE JOURNAL. AMERICAN COLORTYPE COMPANY, Chicago, Ill.
Filed January 11, 1938. Serial No. 401,761. PUBLISHED MARCH 29, 1938. Class 38.

357,566. WOMEN'S AND MISSES' FROCKS. THE PORTER COMPANY, Framingham, Mass.
Filed January 11, 1938. Serial No. 401,789. PUBLISHED MARCH 15, 1938. Class 39.

357,567. LADIES' COATS, SUITS, AND JACKETS. LOUIS SHIPMAN & BAKER Co., New York, N. Y.
Filed January 11, 1938. Serial No. 401,791. PUBLISHED MARCH 29, 1938. Class 39.

357,568. APPARATUS FOR STORING PARENTERAL FLUIDS AND FOR INTRAVENOUS INJECTION OF SAID FLUIDS AND PARTS FOR SAID APPARATUS. FENWAL INCORPORATED, Newton Center, Mass.
Filed January 12, 1938. Serial No. 401,813. PUBLISHED MARCH 29, 1938. Class 44.

357,569. LEATHER. G. LEVOR & Co., INC., Gloversville, N. Y.
Filed January 12, 1938. Serial No. 401,824. PUBLISHED MARCH 29, 1938. Class 1.

357,570. DRESS AND PIECE GOODS OF WOVEN MATERIALS COMPOSED OF SILK, COTTON, RAYON AND COMBINATIONS THEREOF. CORINNE C. HALF, Pittsburgh, Pa.
Filed January 13, 1938. Serial No. 401,860. PUBLISHED MARCH 29, 1938. Class 42.

357,571. PIECE GOODS OF RAYON, COTTON, SILK, WOOL, LINEN, AND/OR COMBINATIONS THEREOF. LORD & TAYLOR, New York, N. Y.
Filed January 13, 1938. Serial No. 401,868. PUBLISHED MARCH 29, 1938. Class 42.

357,572. WATER WAVE NETS, HAIR NETS, AND COMPLETED SPORTS NETS. THE GLEMBY COMPANY, INC., New York, N. Y.
Filed January 14, 1938. Serial No. 401,895. PUBLISHED MARCH 29, 1938. Class 42.

357,573. NON-ALCOHOLIC CARBONATED BEVERAGES. SOL LENZNER CORPORATION, Buffalo, N. Y.
Filed January 14, 1938. Serial No. 401,901. PUBLISHED MARCH 15, 1938. Class 45.

357,574. RACE RESULT PREDICTING DEVICES. D & D CORPORATION, Miami Beach, Fla.
Filed January 15, 1938. Serial No. 401,926. PUBLISHED MARCH 29, 1938. Class 38.

357,575. RACE RESULT PREDICTING DEVICES. D & D CORPORATION, Miami Beach, Fla.
Filed January 15, 1938. Serial No. 401,927. PUBLISHED MARCH 29, 1938. Class 38.

357,576. VEILS. JACK FRANK & Co., New York, N. Y.
Filed January 15, 1938. Serial No. 401,928. PUBLISHED MARCH 29, 1938. Class 42.

357,577. ARTIFICIAL FLOWERS. JACK FRANK & Co., New York, N. Y.
Filed January 15, 1938. Serial No. 401,929. PUBLISHED MARCH 29, 1938. Class 40.

357,578. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE CO., St. Louis, Mo.
Filed January 15, 1938. Serial No. 401,935. PUBLISHED MARCH 22, 1938. Class 39.

357,579. MEN'S UNIFORMS FOR POLICE, FIREMEN, LETTER CARRIERS, ARMY, NAVY, SCHOOLS, HOTELS, THEATRES, BANDS, WAITERS, APARTMENTS, STEAMSHIPS, YACHTING, BUS DRIVERS, CHAUFFEURS, DOCTORS, DENTISTS, AND RIDING HABITS. WENDER & GOLDSTEIN, INC., New York, N. Y.
Filed January 15, 1938. Serial No. 401,952. PUBLISHED MARCH 29, 1938. Class 39.

357,580. MEN'S UNIFORMS FOR POLICE, FIREMEN, LETTER CARRIERS, ARMY, NAVY, SCHOOLS, HOTELS, THEATRES, BANDS, WAITERS, APARTMENTS, STEAMSHIPS, YACHTING, BUS DRIVERS, CHAUFFEURS, DOCTORS, DENTISTS, AND RIDING HABITS. WENDER & GOLDSTEIN, INC., New York, N. Y.
Filed January 15, 1938. Serial No. 401,953. PUBLISHED MARCH 29, 1938. Class 39.

357,581. MEN'S COMBINED GIRDLE AND KNITTED SHORTS. THE B. V. D. CORPORATION, Baltimore, Md.
Filed January 17, 1938. Serial No. 401,978. PUBLISHED MARCH 15, 1938. Class 39.

357,582. BRAIDS USED IN THE MANUFACTURE OF HATS AND COMPOSED PRINCIPALLY OF STRAWS, CHIP, HEMP, VISCA, PALM, HAIR, PYROXALIN, PEDALINE, TOQUILLA FIBRE OR OTHER VEGETABLE FIBER. R. H. COMBY BROOKLYN COMPANY, INC., Brooklyn, N. Y.
Filed January 17, 1938. Serial No. 401,986. PUBLISHED MARCH 15, 1938. Class 40.

357,583. FOOD CONSISTING PRINCIPALLY OF BREAD CRUMBS FOR FUR BEARING ANIMALS AND CHICKENS. CHARLES A. GERBER, doing business as Gerber's Animal Food, Bartlett, Ill.
Filed January 17, 1938. Serial No. 401,999. PUBLISHED MARCH 29, 1938. Class 46.

357,584. MEN'S AND BOYS' SWEATERS, LEATHER AND CLOTH SPORT JACKETS, GOLF SUITS, TROUSERS, HOSIERY, SPORT AND POLO SHIRTS, GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF, AND MUFFLERS. DAVID D. DONIGER & Co., INC., New York, N. Y.
Filed January 14, 1938. Serial No. 402,045. PUBLISHED MARCH 22, 1938. Class 39.

357,585. SALT IN GRANULAR FORM. INTERNATIONAL SALT COMPANY, INC., New York, N. Y.
Filed January 18, 1938. Serial No. 402,064. PUBLISHED MARCH 29, 1938. Class 46.

357,586. KNITTED SWEATERS. OLYMPIC KNITTING MILLS, INC., New York, N. Y.
Filed January 18, 1938. Serial No. 402,069. PUBLISHED MARCH 29, 1938. Class 39.

357,587. UPHOLSTERY FABRICS IN THE PIECE MADE OF SILK, RAYON, ACETATE, COTTON, AND/OR COMBINATIONS THEREOF. ALEXANDER B. BYRELL, New York, N. Y.
Filed January 18, 1938. Serial No. 402,075. PUBLISHED MARCH 29, 1938. Class 42.

357,588. CORN STARCH. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y.
Filed January 19, 1938. Serial No. 402,080. PUBLISHED MARCH 29, 1938. Class 46.

357,589. HANDKERCHIEFS AND SCARFS MADE OF MOISTURE RESISTING MATERIAL. BLOSSOM MANUFACTURING CO., New York, N. Y.
Filed January 19, 1938. Serial No. 402,085. PUBLISHED MARCH 15, 1938. Class 39.

357,590. NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. FILOMENA GUERRERA, Ellwood City, Pa.
Filed January 20, 1938. Serial No. 402,128. PUBLISHED MARCH 22, 1938. Class 45.

357,591. SYNTHETIC PLASTIC MATERIAL USED IN THE MANUFACTURE OF HANDLES FOR CUTLERY, FOR PEN HOLDERS, FOR ASH TRAYS, FOR BOTTLE CAPS AND CLOSURES, DESK SETS, FOR RULERS, FOR COSTUME JEWELRY, FOR MAKING NON-METALLIC PARTS OF TOOLS AND MACHINES. AMERICAN MERCHANDISE CO. INC., New York, N. Y.
Filed January 21, 1938. Serial No. 402,169. PUBLISHED MARCH 29, 1938. Class 1.

357,592. PERIODICAL PROGRAM SKITS FOR RADIO STATIONS SOLD AS A PUBLICATION IN INTERSTATE TRADE. EMIL BRISACHER, doing business as Emil Brisacher & Staff, San Francisco, Calif.
Filed January 21, 1938. Serial No. 402,174. PUBLISHED MARCH 22, 1938. Class 38.

357,593. MAGAZINE. THE ANIMAL RESCUE LEAGUE OF BOSTON, Boston, Mass.
Filed January 22, 1938. Serial No. 402,212. PUBLISHED MARCH 29, 1938. Class 38.

357,594. RENNET TEST APPARATUS. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y.
Filed January 22, 1938. Serial No. 402,220. PUBLISHED MARCH 29, 1938. Class 26.

357,595. PERIODICAL PUBLISHED MONTHLY. JOSEPH KATZ, Baltimore, Md.
Filed January 22, 1938. Serial No. 402,224. PUBLISHED MARCH 22, 1938. Class 38.

357,596. DRY CLEANING AID TO BE ADDED TO THE STOCK SOLUTION AND USED IN DRY CLEANING ESTABLISHMENTS. MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa.
Filed January 22, 1938. Serial No. 402,231. PUBLISHED MARCH 29, 1938. Class 4.

357,597. PHOTOGRAPHIC PRINTS AND ENLARGEMENTS. FRANK E. BUERLOT, St. Louis, Mo.
Filed January 24, 1938. Serial No. 402,245. PUBLISHED MARCH 22, 1938. Class 38.

357,598. HOSIERY. CANNON MILLS COMPANY, Kannapolis, N. C.
Filed January 24, 1938. Serial No. 402,246. PUBLISHED MARCH 29, 1938. Class 39.

357,599. FRESH CITRUS FRUITS. GOLETA LEMON ASSOCIATION, Goleta, Calif.
Filed January 24, 1938. Serial No. 402,259. PUBLISHED MARCH 29, 1938. Class 46.

357,600. CANDY. MARS, INCORPORATED, Chicago, Ill.
Filed January 24, 1938. Serial No. 402,268. PUBLISHED MARCH 29, 1938. Class 46.

357,601. MONTHLY PUBLICATION. CORN PRODUCTS SALES COMPANY, New York, N. Y.
Filed January 25, 1938. Serial No. 402,290. PUBLISHED MARCH 29, 1938. Class 38.

357,602. WOOD PULP. RAYONIER INCORPORATED, San Francisco, Calif.
Filed January 25, 1938. Serial No. 402,315. PUBLISHED MARCH 29, 1938. Class 1.



357,603. BEER. WAUSAU BREWING COMPANY, Wausau, Wis.
Filed January 25, 1938. Serial No. 402,322. PUBLISHED MARCH 22, 1938. Class 45.

357,604. PHOTOGRAPHS. MARSHALL PHOTOGRAPHER, INC., Chicago, Ill.
Filed January 26, 1938. Serial No. 402,340. PUBLISHED MARCH 29, 1938. Class 38.

357,605. CORSETS, GIRDLES, AND COMBINATION CORSETS AND BRASSIÈRES. THE H. W. GOSSARD CO., Chicago, Ill.
Filed January 27, 1938. Serial No. 402,373. PUBLISHED MARCH 22, 1938. Class 39.

357,606. CORSETS AND BRASSIÈRES AND COMBINATIONS THEREOF. THE H & W COMPANY, INC., Newark, N. J.
Filed January 27, 1938. Serial No. 402,375. PUBLISHED MARCH 29, 1938. Class 39.

357,607. WRITING AND PRINTING PAPER. STRATHMORE PAPER COMPANY, West Springfield, Mass.
Filed January 27, 1938. Serial No. 402,387. PUBLISHED MARCH 29, 1938. Class 37.

357,608. LADIES' DRESSES. TABIN-PICKER & COMPANY, Chicago, Ill.
Filed January 27, 1938. Serial No. 402,389. PUBLISHED MARCH 29, 1938. Class 39.

357,609. YEAST. NORTHWESTERN YEAST COMPANY, Chicago, Ill.
Filed January 28, 1938. Serial No. 402,439. PUBLISHED MARCH 29, 1938. Class 46.

357,610. UPHOLSTERY SPRING CONSTRUCTION, MATTRESSES, AND SEAT CUSHIONS. NACHMAN SPRINGFILLED CORPORATION, Chicago, Ill.
Filed January 29, 1938. Serial No. 402,485. PUBLISHED MARCH 29, 1938. Class 32.

357,611. CIGARETTE PAPERS. BRAUNSTEIN FRERES, INCORPORATED, New York, N. Y.
Filed January 31, 1938. Serial No. 402,507. PUBLISHED MARCH 29, 1938. Class 8.

357,612. LEATHER. J. LICHTMAN & SONS, Newark, N. J.
Filed January 31, 1938. Serial No. 402,531. PUBLISHED MARCH 29, 1938. Class 1.

357,613. CHAIRS ESPECIALLY DESIGNED FOR THE OFFICE. THE GENERAL FIREPROOFING Co., Youngstown, Ohio.
Filed February 1, 1938. Serial No. 402,562. PUBLISHED MARCH 22, 1938. Class 32.

357,614. SOLDER. MICHAL BIENKIEWICZ, New York, N. Y.
Filed February 1, 1938. Serial No. 402,575. PUBLISHED MARCH 22, 1938. Class 14.

357,615. HOSIERY. CONTOUR HOSIERY MILLS, Rockford, Ill.
Filed February 2, 1938. Serial No. 402,584. PUBLISHED MARCH 29, 1938. Class 39.

357,616. CLOTHING, SPECIFICALLY FUR COATS. KRONENBERG-HENIGSON, INC., New York, N. Y.
Filed February 2, 1938. Serial No. 402,596. PUBLISHED MARCH 29, 1938. Class 39.

357,617. POWDER AS AN INGREDIENT FOR A SOFT DRINK. L. D. MARGOLIS CORP., Boston, Mass.
Filed February 2, 1938. Serial No. 402,601. PUBLISHED MARCH 29, 1938. Class 45.

357,618. HOSIERY. A. C. SIDLEY & Co., Minneapolis, Minn.
Filed February 2, 1938. Serial No. 402,607. PUBLISHED MARCH 29, 1938. Class 39.

357,619. GLUE. SWIFT AND COMPANY, Chicago, Ill.
Filed February 2, 1938. Serial No. 402,608. PUBLISHED MARCH 29, 1938. Class 5.

357,620. DRESS SHIRTS. THE KNOBE MERCANTILE COMPANY, Wichita, Kans.
Filed February 3, 1938. Serial No. 402,637. PUBLISHED MARCH 29, 1938. Class 39.

357,621. PIECE GOODS—NAMELY, CLOTHS AND STUFFS OF WOOL, WORSTED, OR HAIR. D. BALLANTYNE, BROTHERS & COMPANY, LIMITED, Peebles, Scotland.
Filed February 4, 1938. Serial No. 402,673. PUBLISHED MARCH 29, 1938. Class 42.

357,622. CLOCKS AND WATCHES. THE NEW HAVEN CLOCK COMPANY, New Haven, Conn.
Filed February 5, 1938. Serial No. 402,739. PUBLISHED MARCH 29, 1938. Class 27.

357,623. DISH TOWELS AND TOWELINGS. SEARS, ROEBUCK AND Co., Chicago, Ill.
Filed February 5, 1938. Serial No. 402,744. PUBLISHED MARCH 29, 1938. Class 42.

357,624. FABRICS OF RAYON, COTTON, SILK, AND SILK MIXTURE IN THE PIECE. S. T. PALAY TEXTILE CORPORATION, New York, N. Y.
Filed February 7, 1938. Serial No. 402,791. PUBLISHED MARCH 29, 1938. Class 42.

357,625. FISHING SPOONS. THE PORCELURE FISHING EQUIPMENT COMPANY, San Leandro, Calif.
Filed February 7, 1938. Serial No. 402,793. PUBLISHED MARCH 22, 1938. Class 22.

357,626. FABRICS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 11, 1938. Serial No. 402,933. PUBLISHED MARCH 29, 1938. Class 42.

357,627. FABRICS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 11, 1938. Serial No. 402,934. PUBLISHED MARCH 29, 1938. Class 42.

357,628. RESIDENTIAL AND OFFICE FURNITURE AS FOLLOWS—COUCHES, CHAIRS, BOOKCASES, CABINETS, BENCHES, ETC. BARKER BROS., INCORPORATED, Los Angeles, Calif.
Filed February 14, 1938. Serial No. 402,996. PUBLISHED MARCH 29, 1938. Class 32.

## [ACT OF MARCH 19, 1920, SEC. 1 (b)]
## THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

357,629. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KOSHER STAR SAUSAGE MFG. CO., Chicago, Ill. Filed Feb. 15, 1935. Serial No. 361,422.

Beef-Frye

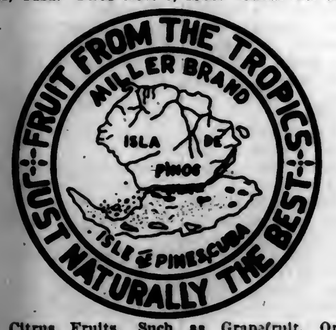
For Meats and Meat Products—Viz: Cured and Smoked Navel, Sometimes Called "Flank".
Claims use since Jan. 31, 1931.

357,630. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE URBANA LABORATORIES, Urbana, Ill. Filed Sept. 25, 1935. Serial No. 369,723.

Mor-les-nitrate

For Chemical Soil Test for Nitrates.
Claims use since Feb. 23, 1935.

357,631. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. A. MILLER & SONS, Nueva Gerona, Isle of Pines, Cuba. Filed Nov. 4, 1935. Serial No. 371,248.




For Citrus Fruits, Such as Grapefruit, Oranges, Lemons, and Limes.
Claims use since August, 1925.

357,632. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 27, 1936. Serial No. 376,497.

S. MARINO

For Musical Instruments—Namely, Accordions.
Claims use since Mar. 1, 1935.

357,633. (CLASS 39. CLOTHING.) HERMAN ENGLANDER, Philadelphia, Pa. Filed Jan. 21, 1937. Serial No. 387,993.

GREYHOUND

For Suspenders, Belts, and Garters in the Nature of Garment Supporters.
Claims use since Jan. 2, 1937 on belts and garters; since June, 1935 on suspenders.

357,634. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DONAHOE'S, INC., Pittsburgh, Pa. Filed Jan. 26, 1937. Serial No. 388,187.

MY-TE-GOOD

For Food Products—Namely, Canned Vegetables—Namely, Beans with Pork; Fruit Preserves—Namely, Cherry Preserves, Peach Preserves, Pineapple Preserves, Plum Preserves, Red Raspberry Preserves, Black Raspberry Preserves, Strawberry Preserves; Honey; Canned Soups—Namely, Cream of Tomato Soup, Noodle with Chicken Soup, Cream of Spinach Soup, Beef Broth Soup, Old Fashioned Bean Soup, Pepper Pot Soup, Vegetable Beef Soup, Cream of Pea Soup, Cream of Mushroom Soup, Cream of Celery Soup, Tomato Juice; Peanut Butter in Jars; Dill Pickles; Sweet Pickles; Sour Pickles; 3 in 1 Sweet Pickles; Cucumber Pickles; Sweet Cross Cut Pickles; Sweet Mustard Pickles; Sweet Pickle Relish; Sweet Mixed Pickles; Hot Pepper & Pickle Relish; Tomato Piccalilli; Horseradish; Apple-Sauce; Vinegar; and Ketchup.
Claims use since March, 1932.

357,635. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMICAL INDUSTRIES CORPORATION, Indianapolis, Ind. Filed Mar. 29, 1937. Serial No. 390,625.

RETICULOSE

For Lipoprotein-Nucleic Acid Complex for Non-Specific Protein Therapy for the Treatment of Acute Infections, Such as Gonorrheal Salpingitis, Epididymitis and Orchitis, Pelvic Peritonitis, Acute Arthritis, Streptococcic or Staphylococcic Infections and in Various Types of Pneumonia, Iritis, Etc., Acute Gastric and Duodenal Ulcer, Otitis Media, Ruostoiditis, Osteomyelitis, Etc., Chronic Infections of the Genito Urinary Tract Either by the Gonococcus or the Bacillus Coli, Chronic Arthritis of the Infectious Type, Chronic Ulcerative Colitis and All Other Chronic Infections in Conjunction with Other Indicated Treatment and Measures.
Claims use since Mar. 1, 1935.

357,636. (CLASS 39. CLOTHING.) LAROS TEXTILES COMPANY, Bethlehem, Pa. Filed Apr. 12, 1937. Serial No. 391,227.

*Laros*
peau d' ange

For Children's Vests, Bloomers, Pyjamas, Panties, Union Suits, Undershirts, Slips, Slipovers (Petticoats), and Nighties Made of Cotton, Wool, Silk, Rayon and/or Mixed Silk and Rayon; Ladies' Vests, Stepins (Underdrawers), Bloomers, Chemises, Pyjamas, Panties, Combinettes (Combination of Bandeau and Either Bloomers or Drawers), Slips, Nightgowns, Bandeaux or Brassières, Lounging Robes, Dance Sets (Combination of Brassière and Panties), and Union Suits Made of Cotton, Wool, Silk, Rayon and/or Mixed Silk and Rayon.
Claims use since Jan. 1, 1937.

357,637. (CLASS 39. CLOTHING.) BLOOMINGDALE BROS., INC., New York, N. Y. Filed Apr. 21, 1937. Serial No. 391,615.

WALKIN-STYLE

For Shoes Made of Leather, Fabric, and Combinations Thereof.
Claims use since Mar. 25, 1937.

357,638. (CLASS 39. CLOTHING.) HARRY MILLER, New York, N. Y. Filed Apr. 23, 1937. Serial No. 391,771.

STUD-ED OXFORD

For Men's, Women's, and Children's Shoes Made of Leather, Canvas, Fabric, or Compositions or Combinations Thereof.
Claims use since Apr. 12, 1937.

357,639. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE GLIDDEN COMPANY, doing business as Heath & Milligan Manufacturing Company, Cleveland, Ohio. Filed Apr. 29, 1937. Serial No. 392,026.

SOYACOTE

For Ready Mixed Paints and Paint Enamels.
Claims use since Apr. 3, 1936.



357,640. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE AMERICAN HAIR DESIGN INSTITUTE, INC., New York, N. Y. Filed May 11, 1937. Serial No. 392,574.

AMERICAN
HAIR
DESIGN
INSTITUTE

For Preparations for the Treatment of Human Hair and Cosmetics—Namely, Hair Tonic, Shampoos, Face Powder, Face Cream, Rouge, Lipstick, and Astringent.
Claims use since Apr. 7, 1937.

357,641. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IRVINE VALENCIA GROWERS, Irvine, Calif. Filed May 14, 1937. Serial No. 392,758.

Madras

For Fresh Citrus Fruit.
Claims use since Apr. 24, 1937.

357,642. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) THE TILDESLEY COAL CO., Cincinnati, Ohio. Filed July 8, 1937. Serial No. 395,005.

VAPOROILD

For Coal.
Claims use since May 1, 1937.

357,643. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BROOKS APPLIANCE COMPANY, Marshall, Mich., and Chicago, Ill. Filed Aug. 26, 1937. Serial No. 396,759.

PEERLESS

For Trusses for Use with Injection Treated Hernia.
Claims use since Dec. 1, 1936.

357,644. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STAINPRUF LICENSE AND DISTRIBUTING CORPORATION, Beverly Hills, Calif. Filed Sept. 25, 1937. Serial No. 397,822.

STAINPRUF

For Emulsion for Waterproofing and Stainproofing Fabrics.
Claims use since Mar. 10, 1937.

357,645. (CLASS 39. CLOTHING.) WILTON MANUFACTURING COMPANY, Philadelphia, Pa. Filed Oct. 22, 1937. Serial No. 398,830.

WILTON
HONEYCOMB KNIT

For Football Jerseys, Gym Shirts, Softball Jerseys, Soccer Jerseys, Crew Trunks, Swimming Suits, Hockey Tights, Basketball Shirts, Union Suits, and Undershirts, Underdrawers, and Under Shorts, Knitted Hose, Crew Shirts, Track Shirts, Swimming Trunks, Wrestling Tights, Polo Shirts, and Sport Shirts.
Claims use since Jan. 2, 1933.

357,646. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BORIS FELDMAN, doing business as B. Feld, New York, N. Y. Filed Dec. 22, 1937. Serial No. 401,137.

TRAVNIK

For Aperient, Stomachic, Laxative, and Cathartic Medicinal Preparations for Simple Digestive Disturbances, Dyspepsia, Flatulence, and Gas.
Claims use since April, 1935.

357,647. (CLASS 32. FURNITURE AND UPHOLSTERY.) HALLENSCHEID & MCDONALD, Los Angeles, Calif. Filed Jan. 3, 1938. Serial No. 401,484.

HALL-MACK

For Medicine Cabinets.
Claims use since January, 1934.

357,648. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY T. KLONDER, doing business as Blush Products Company, Chicago, Ill. Filed Jan. 12, 1938. Serial No. 401,807.

INDELIBLE
BLUSH

For Cosmetics—Namely, Lip and Cheek Rouge, Lipstick, and Perfumes.
Claims use since Mar. 4, 1937.

357,649. (CLASS 39. CLOTHING.) THE TOLEDO GLOVE MANUFACTURING COMPANY, Toledo, Ohio. Filed Jan. 26, 1938. Serial No. 402,351.




For Gloves and Gauntlets Made of Fabrics and Combinations of Fabric and Leather.
Claims use since Nov. 9, 1936.

357,650. (CLASS 39. CLOTHING.) CORT SHOES, INC., Cleveland, Ohio. Filed Feb. 3, 1938. Serial No. 402,663.




For Men's, Women's, and Children's Shoes Made of Leather, Fabric, Rubber, or Any Combination of One or More of Said Materials.
Claims use since March, 1936.

357,651. (CLASS 39. CLOTHING.) E. R. MOORE COMPANY, Chicago, Ill. Filed Feb. 10, 1938. Serial No. 402,914.

**LUSTRKOOL**

For Gymnasium Suits, Dancing Suits, Sport Bloomers, Ecclesiastical Garments, College Caps and Gowns, and Athletic Shorts and Trunks.
Claims use since Jan. 15, 1937.

357,652. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KRAUS BROS. & CO., INC., New York, N. Y. Filed Feb. 16, 1938. Serial No. 403,066.

**BLUE-FIELD**

For Whiskies, Gins, and Alcoholic Cordials.
Claims use since December, 1936.

357,653. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BELLINGAR & COVINGTON, Morrill, Nebr. Filed Feb. 19, 1938. Serial No. 403,192.

**BELL-COVE**

For Potatoes.
Claims use since 1929.

357,654. (CLASS 15. OILS AND GREASES.) FUEL OIL COMPANY OF ST. LOUIS, St. Louis, Mo. Filed Feb. 21, 1938. Serial No. 403,253.

"Quickheet" WATER WHITE HEATER OIL

For Fuel Oil, Specifically Petroleum Products for Portable Heaters and Oil Burners.
Claims use since Dec. 11, 1936.

357,655. (CLASS 39. CLOTHING.) M. J. SAKS SHOE CORP., New York, N. Y. Filed Mar. 3, 1938. Serial No. 403,662.

SAKS NEW YORK

For Men's, Women's, and Children's Shoes, Slippers, and Sandals, Made of Leather, Imitation Leather, Rubber, Fabric, and Combinations of Said Materials.
Claims use since Jan. 15, 1925.

357,656. (CLASS 15. OILS AND GREASES.) W. H. REED, Memphis, Tenn. Filed Mar. 15, 1938. Serial No. 404,091.

**GREENCAST**

For Lubricating Oils.
Claims use since Mar. 4, 1937.

357,657. (CLASS 32. FURNITURE AND UPHOLSTERY.) DREXEL FURNITURE CO., Drexel, N. C. Filed Mar. 17, 1938. Serial No. 404,167.

by Drexel

For Furniture—viz., Buffets, Sideboards, Credenza Boards, Tables for Dining Room Use, Serving Tables, Tilt-Top Servers, Swivel Top Tables, Living Room Tables, Library Tables, China Cabinets, Corner Cabinets, Secretaries, Chairs, Dressers, Chests, Vanities, Dressing Tables, Night Tables, Commodes, Beds, Benches, Dinette Buffets, Dinette China Cabinets, Dinette Tables, and Dinette Chairs.
Claims use since Nov. 20, 1936.

357,658. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY T. SCHIFF, Chicago, Ill. Filed Mar. 17, 1938. Serial No. 404,184.

**KWIK-SHAVE**

For Electric Dry Shavers.
Claims use since Jan. 7, 1934.

357,659. (CLASS 15. OILS AND GREASES.) SUPERIOR OIL WORKS, Warren, Pa. Filed Mar. 22, 1938. Serial No. 404,285.

**PENN-EATON**

For Motor Oils.
Claims use since June 27, 1931.

357,660. (CLASS 39. CLOTHING.) ANSONIA DE LUXE SHOPS, INC., New York, N. Y. Filed Mar. 23, 1938. Serial No. 404,395.

**ANSONIA**

For Shoes and Sandals for Women, Misses, and Children, Made of Leather, Fabric, and/or Rubber and Combinations Thereof.
Claims use since July 1, 1924.

357,661. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CHICAGO GOLF BALL COMPANY, INC., Chicago, Ill. Filed Mar. 31, 1938. Serial No. 404,686.

Bill Thompson

For Golf Clubs, Golf Balls, and Golf Bags.
Claims use since Jan. 15, 1937.



357,662. (CLASS 39. CLOTHING.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Apr. 1, 1938. Serial No. 404,773.

**NOME**

For Men's, Women's, and Children's Rubber Arctics, Rubber Boots, Rubber Galoshes, Rubber Pacs, Rubber Overs (Heavy Duty Rubber Over-Shoes Made for Use With Leather Tops Which Are Either Sewed or Glued On), and Rubbers.
Claims use since Sept. 2, 1932.

357,663. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HERMAN H. SCHUMAKER, Los Angeles, Calif. Filed Apr. 5, 1938. Serial No. 404,909.

**BIXEL**

For Floor Machines and Attachments Therefor for Grinding, Sanding, Refinishing, Scrubbing, Polishing, Waxing Floors and the like.
Claims use since August, 1936.

## TRADE-MARK REGISTRATIONS RENEWED

115,167. CERTAIN NAMED CANNING MACHINERY AND THE LIKE. Registered January 30, 1917. THE F. G. DICKERSON CO., Portland, Maine, and Chicago, Ill. Renewed January 30, 1937, to The F. G. Dickerson Company, Chicago, Ill., a corporation of Illinois, successor.

121,296. SPRING DRESS-FASTENERS. Registered April 23, 1918. ADOLPH HASLAUER, West Elizabeth, N. J. Renewed April 23, 1938, to Adolf Haslauer, East Orange, N. J.

121,810. BUTTER. Registered May 28, 1918. CARL W. NELSON. Renewed May 28, 1938, to Hydrox Corporation, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

121,637. STOCK FEED. Registered May 14, 1918. EDGAR-MORGAN COMPANY. Renewed May 14, 1938, to Happy Hills, Memphis, Tenn., a partnership, assignee by mesne assignments.

121,667. COTTON THREAD. Registered May 14, 1918. SUMMIT THREAD COMPANY. Renewed May 14, 1938, to Summit Thread Company, East Hampton, Conn., a corporation of Connecticut, assignee.

121,942. OLIVE-OIL. Registered June 11, 1918. P. PASTENE & CO., INC., Boston, Mass. Renewed June 11, 1938, to Pastene & Co., Inc., New York, N. Y., a corporation of Delaware, successor.

121,964. PERFUMES, TOILET WATER, AND FACE-POWDERS. Registered June 11, 1918. THE J. R. WATKINS MEDICAL CO. Renewed June 11, 1938, to The J. R. Watkins Company, Winona, Minn., a corporation of Delaware, assignee.

121,996. COLORING FOR HAIR-DRESSINGS, SUCH AS SHAMPOOS. Registered June 11, 1918. JOHN J. WITTWER, SR. Renewed June 11, 1938, to Golden Glint Company, Inc., Seattle, Wash., a corporation of Washington, assignee.

122,003. MACARONI, VERMICELLI, AND NOODLES. Registered June 18, 1918. THE ATLANTIC MACARONI CO. Renewed June 18, 1938, to The Atlantic Macaroni Co., Inc., Long Island City, N. Y., a corporation of New York, assignee.

122,005. UNBLEACHED SHEETING. Registered June 18, 1918. BALTIMORE BARGAIN HOUSE, Baltimore, Md. Renewed June 18, 1938, to Butler Brothers, Chicago, Ill., a corporation of Illinois, successor.

122,020. CERTAIN NAMED FOODS. Registered June 18, 1918. FRIEDRICH & KEMPE CO. INC., Red Wing, Minn., a corporation of Minnesota. Renewed June 18, 1938.

122,087. PRINTED BOOKS, PERIODICALS PUBLISHED MONTHLY, PAMPHLETS, AND CIRCULARS USED BETWEEN THE DIFFERENT UNITS OF THE ASSOCIATION FOR THE FURTHERANCE OF ITS OBJECTS. Registered June 25, 1918. INTERNATIONAL BROTHERHOOD OF STEAM SHOVEL AND DREDGE MEN, Chicago, Ill. Renewed June 25, 1938, to The International Union of Operating Engineers, Washington, D. C., a voluntary association, successor.

122,178. WRITING AND PRINTING PAPERS. Registered July 9, 1918. BERKMAN PAPER AND CARD COMPANY, INC., New York, N. Y. Renewed July 9, 1938, to Butler Paper Corporation, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

122,196. NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND EXTRACTS AND SYRUPS FOR MAKING THE SAME. Registered July 9, 1918. THE DELAWARE PUNCH COMPANY OF TEXAS. Renewed July 9, 1938, to The Delaware Punch Company of America, San Antonio, Tex., a corporation of Delaware, successor.

122,383. AN OIL FOR USE IN THE SOFTENING, STRENGTHENING, AND DYEING OF TEXTILES. Registered July 30, 1918. E. F. HOUGHTON & CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 30, 1938.

122,535. FEATHERS. Registered August 20, 1918. SCHADT & MATHEWSON. Renewed August 20, 1938, to Schadt & Mathewson, Detroit, Mich., a corporation of Michigan, assignee.

122,575. RUBBER BOOTS AND SHOES. Registered August 27, 1918. L. CANDEE & COMPANY, New Haven, Conn. Renewed August 27, 1938, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee.

122,592. LEATHER BOOTS AND SHOES. Registered August 27, 1918. KNIPE BROS., INC., Haverhill, Mass. Renewed August 27, 1938, to Knipe Bros. Inc., Haverhill and Ward Hill, Mass., a corporation of Massachusetts.

122,686. PREPARED FLOOR-COVERINGS OF THE OILED-CLOTH TYPE. Registered September 10, 1918. THE CONGOLEUM COMPANY, Philadelphia, Pa. Renewed September 10, 1938, to Congoleum-Nairn Inc., Kearney, N. J., a corporation of New York, assignee.

122,783. COFFEE. Registered September 17, 1918. CHASE & SANBORN, Boston, Mass. Renewed September 17, 1938, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee.

122,808. ELECTRIC-INCANDESCENT-LIGHT BULBS. Registered September 17, 1918. NORTH AMERICAN ELECTRIC LAMP COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed September 17, 1938.

122,906. A PREPARATION TO CORRECT AN ACID CONDITION OF THE STOMACH. Registered September 24, 1918. MILAN FRANCIS PRATT. Renewed September 24, 1938, to Tina H. Hert, Rochester, N. Y., successor.

123,043. SILVER-PLATED KNIVES, FORKS, SPOONS, AND LADLES. Registered October 8, 1918. INTERNATIONAL SILVER COMPANY, Meriden and Bridgeport, Conn. Renewed October 8, 1938, to International Silver Company, Meriden, Conn., a corporation of New Jersey.

123,189. BEDSPREADS. Registered October 22, 1918. BATES MANUFACTURING COMPANY, Lewiston, Maine, a corporation of Maine. Renewed October 22, 1938.

123,226. ROUND LEATHER BELTING. Registered October 22, 1918. THE GRATON AND KNIGHT MANUFACTURING COMPANY. Renewed October 22, 1938, to Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts, assignee.

123,258. GAS-BURNING APPARATUS. Registered October 22, 1918. MAXON PREMIX BURNER COMPANY, Muncie, Ind., a corporation of Delaware. Renewed October 22, 1938.

123,279. SHOE AND GLOVE LEATHERS—NAMELY, CALF, KIP, VEALS, SIDES, AND SPLITS. Registered October 22, 1918. FRED BUSPING LEATHER CO., Fond du Lac, Wis., a corporation of Wisconsin. Renewed October 22, 1938.

123,314. FERTILIZERS. Registered October 29, 1918. APOTHECARIES HALL COMPANY, Waterbury, Conn., a corporation of Connecticut. Renewed October 29, 1938.

# LABELS

## REGISTERED JUNE 7, 1938

51,262.—*Title:* MOTHER BURG SALVE. For Salve. MRS. C. J. BENSON, Galesburg, Ill. Published August 1, 1921.

51,263.—*Title:* BORDEN'S EAGLE BRAND MAGIC MILK SWEETENED CONDENSED. For Sweetened Condensed Milk. THE BORDEN COMPANY, New York, N. Y. Published February 28, 1938.

51,264.—*Title:* CAIRO BEAUTIES. For Pickles. CAIRO PICKLE COMPANY, Cairo, Ga. Published December 12, 1936.

51,265.—*Title:* SPEAR. For Paints. L. FRANCIS CASSOFF, doing business as Central Paint & Varnish Works, Brooklyn, N. Y. Published August 14, 1936.

51,266.—*Title:* NORTHERN BRAND CREAMERY BUTTER. For Creamery Butter. COLUMBIA FOOD COMPANY, doing business as Columbia Food Stores, Portland, Oreg. Published March 15, 1938.

51,267.—*Title:* GOLD STANDARD. For Chocolates. DAGGETT CHOCOLATE COMPANY, Cambridge, Mass. Published January 4, 1938.

51,268.—*Title:* HELB'S. For Lager Beer. G. CURTIS HELB, doing business as Helb's Keystone Brewery, York, Pa. Published January 31, 1938.

51,269.—*Title:* AMY HELEN, NON-FATTENING, WHITE MINERAL OIL, SALAD DRESSING. For Salad Dressing. AMY H. KECKLEY, Decatur, Ill. Published March 26, 1938.

51,270.—*Title:* SILVER GERMICIDE. For a Germicide. DANIEL J. KEEFE, JR., doing business as Keefe Chemical Co., Boston, Mass. Published January 1, 1936.

51,271.—*Title:* RYE-THINS. For Bread. KOMMANDITBOLAGET SPIS- & KNACKEBRODSFABRIKEN KRONAN, BARTHEL KOCK, doing business as Kommanditbolaget Spis- & Knackebrodsfabriken Kronan, Sundyberg, Sweden. Published April 15, 1937.

51,272.—*Title:* "KROGER'S COUNTRY CLUB BRAND" EVAPORATED MILK. For Evaporated Milk. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published November 1, 1937.

51,273.—*Title:* "COUNTRY CLUB BRAND" CHILI CON CARNE WITH BEANS. For Canned Chili Con Carne With Beans. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published November 1, 1937.

51,274.—*Title:* "KROGER'S COUNTRY CLUB BRAND CONCENTRATED CHILI." For Canned Chili Con Carne Without Beans. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published November 1, 1937.

51,275.—*Title:* ITALIAN PRIDE WINE. For California White Port Wine. L. E. L. SALES COMPANY, INC., Amarillo, Tex. Published February 20, 1938.

51,276.—*Title:* TOWN CRIER PRODUCTS. For Portable Public Address Systems and Group Hearing Aid Attachments. HERMAN H. LIPMAN, doing business as Lipman Engineering Co., Pittsburgh, Pa. Published September 4, 1937.

51,277.—*Title:* QUALITY BUTTER. For Butter. POLLOCK PAPER & BOX COMPANY, Dallas, Tex. Published April 6, 1938.

51,278.—*Title:* BANNER BUTTER. For Butter. POLLOCK PAPER & BOX COMPANY, Dallas, Tex. Published April 18, 1938.

51,279.—*Title:* COTTAGE GROVE BUTTER. For Butter. SCHLOSSER BROTHERS, Frankfort, Ind. Published March 21, 1938.

51,280.—*Title:* SEE-SCHOR. For Stainless Steel Cable Leaders. JOSEPH SCHOR, doing business as Schor Manufacturers, San Francisco, Calif. Published November 2, 1937.

51,281.—*Title:* CENTEN. For Olive Oil. UNITED PURE FOOD CO., New York, N. Y. Published February 3, 1938.

51,282.—*Title:* ANITA. For Olive Oil. UNITED PURE FOOD CO., New York, N. Y. Published February 3, 1938.

51,283.—*Title:* VANGELDER AMSTERDAM-DUTCH COLLAR. For Collars. MARTINUS VAN GELDER, Philadelphia, Pa. Published April 7, 1938.

# PRINTS

## REGISTERED JUNE 7, 1938

16,868.—*Title:* TOCO-DISC LENS. For Lenses. TIDEWATER OPTICAL CO., INC., Norfolk, Va. Published April 1, 1938.

# REISSUES

## JUNE 7, 1938

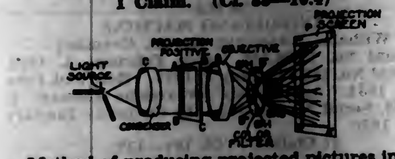
**20,748**

**METHOD FOR SUPERPOSING PARTIAL IMAGES OF POLYCHROMATIC SELECTION AND PROJECTING THEM TO OBTAIN AN IMAGE IN NATURAL COLORS**

Carlo Becca, Vigevano, Italy

Original No. 2,050,417, dated August 11, 1936, Serial No. 681,472, July 21, 1933. Application for reissue November 25, 1936, Serial No. 112,706. In Germany August 8, 1932

1 Claim. (Cl. 88—16.4)




Method of producing projected pictures in natural colors which comprises preparing by known methods a series of partial positive images of polychromatic selection of the subject, printing upon a light-sensitive surface through a parallel-lined diffraction grating one of the partial positives, printing in succession the remaining partial positives, on the same light-sensitive surface and with the images in register, through the same grating with the lines thereof at an angle to the lines in former printing steps, illuminating the resultant complete positive with a light beam emanating from a luminous source, forming on a plane a non-diffracted real image and as many sets of diffracted real images of the luminous source as there are partial positives which had been printed in succession to obtain the complete positive, obturating the light forming the non-diffracted image, coloring the light forming each set of diffracted images with the same color as that of the color filter employed for preparing the partial positive printed with the grating lines diffracting the light forming that set of diffracted images, forming with the colored light an image of the complete positive.

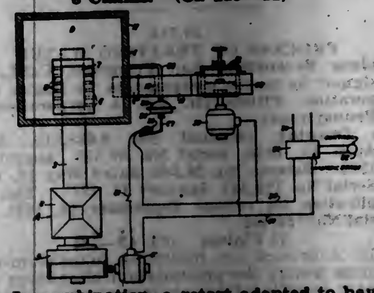
**20,749**

**FUEL BURNING SYSTEM**

Robert E. Bronner, Oregon, Ill.

Original No. 1,906,230, dated April 2, 1935, Serial No. 547,303, June 27, 1931. Application for reissue February 17, 1937, Serial No. 126,203

8 Claims. (Cl. 110—44)



4. In combination, a retort adapted to have a bed of fuel thereon, an air chamber associated with said retort, a blower connected with the air chamber to supply air through the fuel bed, a stoker, an electric driving motor operatively connected with said stoker, an electric circuit operatively connected with said motor, and means responsive to the resistance to air flow through the fuel bed adapted to start and stop said driving motor, said means including a diaphragm chamber operatively connected with confined space in which there is air for combustion furnished by said blower, a diaphragm in said diaphragm chamber, and a switch in the electric circuit operatively connected with said diaphragm to be opened and closed thereby.

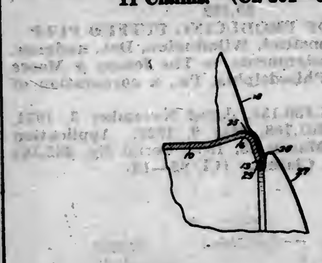
**20,750**

**VEHICLE WHEEL**

J Harold Hunt and Harry J. Horn, Lansing, Mich., assignors, by mesne assignments, to George Albert Lyon, Detroit, Mich.

Original No. 1,993,061, dated March 5, 1935, Serial No. 620,664, June 30, 1932. Application for reissue July 16, 1936, Serial No. 90,936

11 Claims. (Cl. 301—37)



8. The combination with a wheel including a drop center rim connected to a central hub part adapted to be secured by bolts to a vehicle axle part, of an ornamental disk of relatively thin form-retaining sheet material having a central portion formed to receive a closure, a closure cap for said disk overlying said central portion and concealing said bolts, and resilient spring fingers for retaining said disk on the wheel, said fingers including a rigidly mounted base portion and each finger including a yieldable free portion disposed at substantially right angles to said base portion and extending in the direction of the axis of the wheel, said free portions of said fingers being cammed into disk retaining engagement upon axial pressure of the disk on the wheel.

**20,751**

**FISHING REEL**

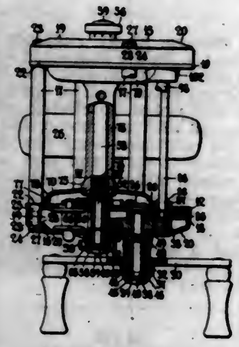
Hyla F. Maynes, North Tonawanda, N. Y., assignor of one-half to Emma C. Maynes, North Tonawanda, N. Y.

Original No. 2,040,777, dated May 12, 1936, Serial No. 53,635, December 9, 1935. Application for reissue September 16, 1937, Serial No. 164,246

13 Claims. (Cl. 242—84.4)

1. In a fishing reel having means for winding a

fishing line thereon, a level wind shaft having guiding portions for shifting the fishing line alternately from end to end of the reel, means for



driving the level wind shaft, and means overlapping a portion of the shaft for shifting the line into guided position upon the shaft adjacent an end thereof.

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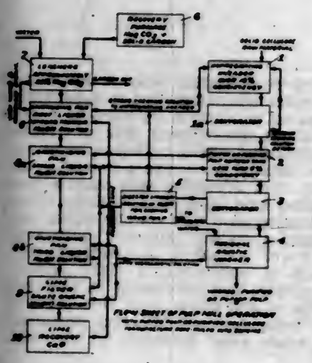
20,752

**METHOD OF PRODUCING PUFFED PULP**

Joseph E. Plumstead, Wilmington, Del., assignor, by mesne assignments, to The Jessup & Moore Paper Co., Philadelphia, Pa., a corporation of Maryland

Original No. 1,830,131, dated November 3, 1931, Serial No. 361,708, May 9, 1929. Application for reissue March 23, 1933, Serial No. 662,365

26 Claims. (Cl. 92—13)



1. The method of utilizing the caustic alkali solution of a soda pulp mill in producing puffed pulp including the steps of supplying to an impregnating kneader for the pulp a portion of the strong caustic solution from the first causticizing pan, the other portion passing to the supply of caustic alkali solution for cooking the wood pulp, conveying the puffed pulp and caustic from the kneader to an agitating tank, conveying a second caustic liquor from a second causticizing pan to the agitator tank, conveying a portion of a third and fourth caustic liquor from a third causticizing pan and from a lime filter to said agitator tank, another portion of said third and fourth liquors passing to the second causticizing pan, conveying the puffed purified and agitated pulp and caustic to a dehydrator and conveying the caustic solution from said dehydrator to said pulp cooking supply.

26. A step in the method of producing puffed pulp by curling the fibres thereof, this step consisting in impregnating the pulp with a caustic alkali solution of mercerizing strength, and maintaining the fluid content of the mass of pulp and solution such as to maintain a non-fluid mass during the treatment.

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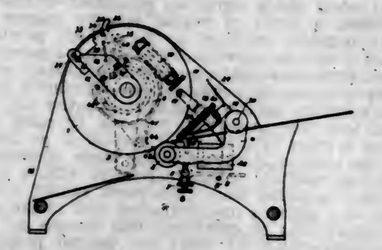
20,753

**MANIFOLDING MACHINE**

Wilhelm Ritzerfeld, Berlin, Germany

Original No. 1,990,949, dated February 5, 1935, Serial No. 536,285, May 9, 1931. Renewed June 27, 1934. Application for reissue January 8, 1938, Serial No. 184,103. In Germany January 23, 1930

31 Claims. (Cl. 101—132)



1. In a manifolding machine printing from an original copyable sheet carrying the matter to be manifolded in copyable mirror-writing and printing on sheets and similar bodies which are moistened with a rapidly volatilizing fluid, a printing cylinder, a pressing roller pressing the body to be printed upon against the original copyable sheet, means for rotating the said printing cylinder a device for clamping one edge of the copyable sheet to the printing cylinder, a second resilient device for clamping one edge of the copyable sheet to the printing cylinder and means for adjusting and locking said second clamping device comprising a clamp holder and resilient means adapted to fix the clamp holder detachably to the printing cylinder in any adjusted position.

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20,754

**PROCESS OF TREATING WATER**

Ludwig Rosenstein, San Francisco, Calif., assignor, by mesne assignments, to Hagan Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Original No. 2,038,316, dated April 21, 1936, Serial No. 38,535, August 30, 1935. Reissue No. 20,360, dated May 11, 1937, Serial No. 120,241, January 12, 1937. This application for reissue September 18, 1937, Serial No. 164,493

13 Claims. (Cl. 47—58)

13. A process for inhibiting in calcium-containing waters the precipitation of calcium carbonate resulting from an increase in carbonate ion concentration, consisting in adding to the water a water-soluble molecularly dehydrated phosphate in an amount of the order of a very few parts per million.



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20,755

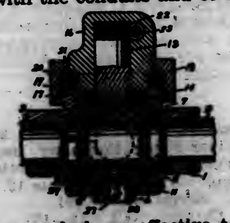
**VALVE**

Charles W. Sprunk, Houston, Tex.

Original No. 2,048,975, dated July 28, 1936, Serial No. 66,010, February 27, 1936. Application for reissue December 15, 1936, Serial No. 117,466

4 Claims. (Cl. 251—26)

1. A valve comprising a casing having a flow conduit therethrough, a core fixed in the casing having a conduit therethrough, said conduits being in alignment, an expansible sleeve on the core having openings, means for turning the sleeve to move the openings into and out of registration with the conduits and co-acting means



on the core and sleeve effective to expand the sleeve, when it reaches the limit of its movement in either direction.

# PATENTS

## GRANTED JUNE 7, 1938

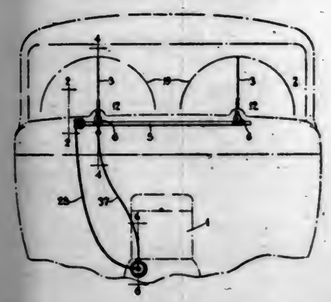
2,119,508
**PAPER COATING**
Philip S. Barnhart, Westfield, Mass., assignor to Westfield River Paper Company, Inc., Russell, Mass., a corporation of Massachusetts
No Drawing. Application June 19, 1936, Serial No. 86,081
4 Claims. (Cl. 134—17)

4. A flowable coating comprising chlorinated rubber, resin, comprising glycerol abietate and 5–13% para coumarone, paraffine wax, a plasticizer and a solvent in which the ingredients are soluble, the ingredients being combined in such proportions as to form a flexible, moisture-proof or moisture resistant, transparent and non-tacky film upon evaporation of the solvent.

2,119,509
**COATED PAPER**
Philip S. Barnhart, Westfield, Mass., assignor to Westfield River Paper Company, Inc., Russell, Mass., a corporation of Massachusetts
No Drawing. Application June 19, 1936, Serial No. 86,082
4 Claims. (Cl. 91—68)

1. A glassine sheet coated with a composition comprising chlorinated rubber 40–50%, resin, comprising glycerol abietate and para-coumarone, 25–38%, paraffine wax 2–7% and a plasticizer 15–21%.

2,119,510
**MOTOR VEHICLE ACCESSORY SYSTEM**
Erwin C. Herten, Hamburg, and Henry Hueber and Raymon E. Rousseau, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application June 23, 1932, Serial No. 618,992
24 Claims. (Cl. 15—255)



1. In a motor vehicle structure having a windshield, a drive shaft, a windshield cleaner having an actuating shaft for operating it, transmission mechanism operatively connecting the drive shaft to the actuating shaft for transmitting power to the windshield cleaner, means having connection to said transmission mechanism for rendering said actuating shaft inoperative, means coacting with said mechanism for parking portions of the windshield cleaner in a predetermined position, and a device having connections to both of said means to operate them concurrently.

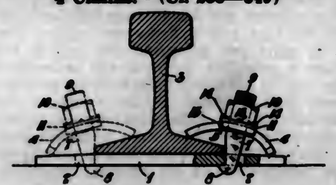


2,119,511
**BINDING OF BOOKLETS, CATALOGUES, OR THE LIKE**
Albert Edward Perkins, London, England
Application March 24, 1937, Serial No. 132,778
In Great Britain March 30, 1936
8 Claims. (Cl. 11—4)



1. A wire stitching machine for saddle stitching booklets, catalogues and the like comprising a stitcher head, a plurality of signature feeding stations, a saddle bar at each feeding station upon which signatures are positioned, a saddle bar for a book cover between one of said saddle bars and said stitcher head, a conveyor chain running below said saddle bars, pusher members upon said chain engageable with the signatures upon the several saddle bars and conveying the gathered signatures and a cover therefor to said stitcher head to be stitched and means positioned between a signature saddle bar and said cover saddle bar for applying an adhesive to the back of at least the outer signature of the book prior to the cover being laid thereupon and stitched to the collated signatures.

2,119,512
**RAIL FASTENING**
Leonard C. Peskin and Harvey R. Rice, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application October 31, 1936, Serial No. 108,668
4 Claims. (Cl. 238—349)



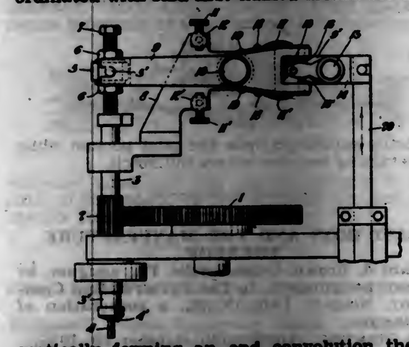
2. A rail fastening including an elongated upwardly arched U-shaped spring metal clip for holding a rail down on suitable support and having its legs offset outwardly at one portion to provide a fastening element passage and a fastening element adapted to pass through said passage and apply downward pressure on said clip.

2,119,513
**HELICAL SPRING MACHINE**
Carl H. Peterson, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application September 1, 1936, Serial No. 98,945
14 Claims. (Cl. 153—67)

1. In a machine for automatically making helical springs, means for forming a rod or wire into

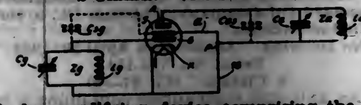


continuous helical convolutions, and means coordinated with said first named means for auto-



matically forming an end convolution thereon to lie within a plane normal to the axis of said spring.

2,119,514
**AMPLIFYING ARRANGEMENT COMPRISING THERMIONIC TUBES HAVING MORE THAN ONE GRID**
Klaas Posthumus, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application April 18, 1934, Serial No. 721,295
In Germany April 7, 1933
2 Claims. (Cl. 179—171)



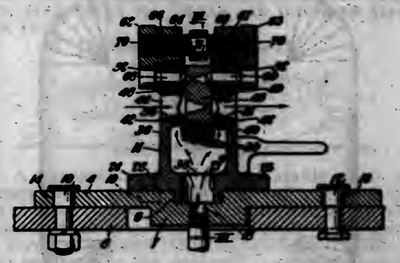
2. An amplifying device comprising the combination of a vacuum tube having a cathode, an anode, a control grid and a screen grid located between said control grid and anode, a resonant input circuit connected across said cathode and control grid, a second circuit resonant to substantially the same frequency as said input circuit having its high potential end connected to said anode, a conductor directly connected between the screen grid and cathode, and a connection from the low potential end of the second resonant circuit to a point on said screen grid conductor close to the screen grid.

2,119,515
**PROCESS FOR THE SEPARATION OF HYDROXY COMPOUNDS OF THE CYCLOPENTANO POLYHYDRO PHENANTHRENE SERIES**
Walter Schoeller, Berlin-Westend, Arthur Serini, Berlin, Max Gehrke, Birkenwerder, near Berlin, Hans Priewe, Hangndorf (Teltow), Lothar Strassberger, Berlin-Wilmersdorf, and Willy Logemann, Berlin-Charlottenburg, Germany, assignors to Schering-Kahlbaum A. G., Berlin, Germany, a corporation of Germany
No Drawing. Application March 4, 1936, Serial No. 67,690. In Germany March 19, 1935
20 Claims. (Cl. 260—191)

1. Process for the separation of hydroxy compounds of the androstane series comprising adding a saponine to a mixture containing hydroxy compounds of the androstan series, and separating the components of the reaction mixture obtained thereby with the aid of the different solubilities of its components.



2,119,516
**AIR COOLED DIE-HOLDER**
William J. Schuster, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application September 12, 1936, Serial No. 100,530
8 Claims. (Cl. 205—25)



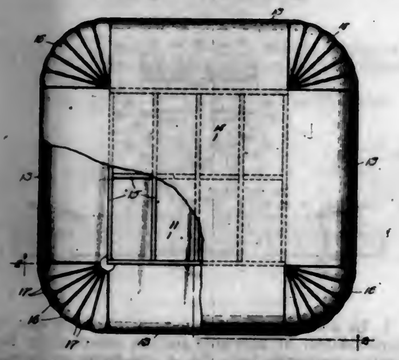
1. In a die-holder for a multiple-hole die, the combination of movable means adapted to bear upon a multiple hole die, a die-holding member for supporting said die and means, said member having a body portion provided with an aperture, a base for said die-holding member, quickly releasable means for mounting said member on said base, a support for anchoring said base but adapted to permit limited lateral movement thereof, and means permanently fastened to said base for circulating air through said aperture in said body portion.

2,119,517
**SOCKET FOR VACUUM TUBES, ETC.**
Milton Alden, Brockton, Mass.
Application August 4, 1933, Serial No. 683,575
2 Claims. (Cl. 173—339)



1. In combination, a socket of one-piece of relatively soft insulating material formed with a depending outer wall of predetermined diameter, having outwardly projecting ribs extending in a circumferential direction and also formed with an outwardly projecting flange of greater diameter than said ribs and located towards the top of the socket, whereby said socket can be interlocked with a panel by entering therein from the upper side and whereby the point of entry is substantially completely closed and the socket is firmly interlocked with the panel, solely by said flange and said ribs and a panel having an opening of substantially the same diameter as said outer wall of said socket and provided with inwardly projecting members formed of material relatively harder than the material of which said socket is formed, elastically bending upon insertion of said socket into said panel and bitingly engaging with the ribs of said socket so as elastically to lock together said socket and said panel, said inwardly projecting members being under stress of flexure when so locked and biting into the softer material of said socket.

**2,119,518**
**CONTAINER**
Harry C. Boardman, Chicago, Ill., assignor to Chicago Bridge & Iron Company, Chicago, Ill., a corporation of Illinois
Application May 6, 1937, Serial No. 141,167
3 Claims. (Cl. 220—1)



1. A closed sheet metal container having a portion of its periphery circular, said container comprising: a top member; a bottom member; and means closing the circular portion of its periphery, said means including flexible fabric held in position by radially extending flexible bowed ribs with their upper ends attached to the top member and their lower ends attached to the bottom member.

**2,119,519**
**PROCESS OF BLEACHING CELLULOSE**
Alfred O. Bragg, Jersey City, N. J., assignor to Kuehne Chemical Company, Elizabeth, N. J., a corporation of New Jersey
No Drawing. Application May 22, 1935, Serial No. 22,785
16 Claims. (Cl. 8—2)

1. The process of bleaching cellulose comprising subjecting said cellulose to the action of a titanium compound in which the titanium has a valence of less than four, in the presence of an oxidizing bleaching agent and water while maintaining an alkaline pH.

**2,119,520**
**BOLT OR PIN AND RETAINING MEMBER**
Harry G. Brokering, Dayton, Ohio
Application July 20, 1936, Serial No. 91,570
6 Claims. (Cl. 85—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

6. A fastening device of the character described including a pin having a body portion and a collar-like portion spaced from each other so as to cooperate to form an annular groove adjacent one end thereof and spaced therefrom by said collar-like portion, said collar-like portion having a diagonally disposed notch extending from the end of the pin to the groove, said collar-like portion having a diameter equal to that of the body portion, a duo-functional pilot portion on the end of the pin, and a retaining member having a hole and one side slotted from the hole to the periphery thereof, said retaining member being guided into position by the pilot portion and insertable by passing one of the portions of the retaining member, adjacent the slot, into the notch and seating the retaining member in said groove by being passed into position by rotation through the notch, the trailing portion of the retaining member being supported upon the pilot portion while the retaining member enters the notch.



**2,119,521**
**CAST IRON AND THE MANUFACTURE THEREOF**
William A. Brown, Connellsville, Pa., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application October 10, 1935, Serial No. 44,415
10 Claims. (Cl. 75—44)

1. An ingredient for incorporation in the melt used for forming iron castings comprising a mass of silicon carbide and cement set to a cohesive article from a wet slurry.

**2,119,522**
**ACID RESISTANT AND METAL ADHERENT COMPOSITIONS OF MATTER AND METHOD OF MAKING SAME**
Lawrence C. Brunstrum, Chicago, and Frederick H. MacLaren, Calumet City, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application April 30, 1934, Serial No. 723,164
8 Claims. (Cl. 87—9)

7. An anti-rust composition containing a condensation product of an aromatic hydrocarbon and a high melting point chlorinated wax fraction having a chlorine content ranging from 2% to about 6% from which low melting point constituents have been eliminated, said condensation product having a softening point above about 130° F. and an A. S. T. M. penetration within the range from about 25 to about 70.

**2,119,523**
**PYROPHOSPHATE ESTER BLEACHING AGENT**
Karl Butz, Chemnitz, Germany, assignor to H. Th. Böhme Aktiengesellschaft, Chemnitz, Germany, a corporation of Germany
No Drawing. Application July 25, 1934, Serial No 736,967. In Germany July 28, 1933
20 Claims. (Cl. 260—16)

1. The process of producing bleaching and washing agents comprising reacting a higher molecular alcohol compound having at least 6 carbon atoms with a pyrophosphating agent and with a peroxide bleaching agent.

**2,119,524**
**EXPLODING DART**
Yew Char, Honolulu, Territory of Hawaii
Application April 24, 1937, Serial No. 138,841
3 Claims. (Cl. 46—176)

1. An article of the kind described comprising a flying body having a firing chamber therein, a striking pin slidably fitting the body and movable into the firing chamber, a stationary bed for an explosive located in the path of movement of the striking pin and stationarily held in the chamber, and spring-pressed hand-operated means interiorly of the chamber for clamping an explosive upon said bed and exposing it in the path of movement of the striking pin and accessible from without the body.



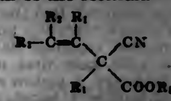


**2,119,525**
**PRESERVATIVE PROCESS FOR VEGETABLE FIBERS**
Wallace T. Coma, Lawrence, Mass., assignor to the Government of the United States, represented by the Secretary of Commerce
No Drawing. Application December 12, 1933, Serial No. 702,023
1 Claim. (Cl. 21—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The art of preserving cordage comprising the soaking thereof in an aqueous solution of approximately 6% of catechu extract at approximately 210° Fahrenheit heat for approximately twelve hours, boiling the material for approximately 15 minutes in an aqueous solution of approximately ½% of potassium dichromate, rinsing in water and drying the material thus treated, and thereafter immersing the dried material for approximately 3 minutes in coal tar at a temperature of approximately 200° Fahrenheit.

**2,119,526**
**$\Delta_1$-ALKENYL CYANOACETIC ESTERS AND METHOD OF PRODUCING SAME**
Arthur C. Cope, Bryn Mawr, Pa., Walter H. Hartung, Baltimore, Md., and Frank S. Crossley, Philadelphia, Pa., assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland (1929)
No Drawing. Application October 15, 1936, Serial No. 105,822
15 Claims. (Cl. 260—99.20)

7. Compounds of the formula



in which $R_1$, $R_2$ and $R_3$ are radicals of the class consisting of hydrogen and alkyl groups, but at least one is alkyl, $R_4$ is a hydrocarbon residue, and $R_5$ is alkyl.

**2,119,527**
**SALTS OF CINCHONA ALKALOIDS AND PROCESSES FOR THEIR PRODUCTION**
Otto Dalmer and Fritz von Werder, Darmstadt, Germany, assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application January 18, 1935, Serial No. 2,256. In Germany January 22, 1934
5 Claims. (Cl. 260—96)

3. A process for the production of the coumarin-3-carboxylic acid salt of quinine which comprises dissolving the acid and the base in appropriate solvents, combining the solutions, and thereafter crystallising out said salt.

**2,119,528**
**ROTARY FURNACE**
Carl Paul Debuch and Ernst Markwerth, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y., a corporation of New York
Original application September 11, 1934, Serial No. 743,511. Divided and this application May 12, 1936, Serial No. 79,256. In Germany May 19, 1934
11 Claims. (Cl. 263—32)



1. A furnace comprising a rotatable shell, a furnace head mounted at least at one end of said shell, a central passage in the furnace head through which gases are withdrawn directly from the furnace, exhaust ports situated on the shell, pipes mounted on the shell and connected to said exhaust ports, an annular passage in the furnace head connected with said pipes, a throttle member in the central passage for controlling the gas current therein, and a main gas outlet for simultaneously withdrawing gases from said central and from said annular passage.

**2,119,529**
**TOILET VENTILATOR**
William R. Dick, New York, N. Y.
Application October 23, 1936, Serial No. 107,174
6 Claims. (Cl. 4—217)

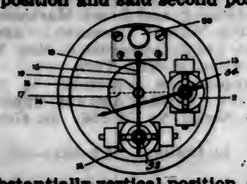


1. A toilet ventilator comprising a toilet seat, a hinge having a standard with integral pintle and a passage formed axially through said standard and said pintle, a pintle sleeve rotatable on said pintle and in communication therewith through radial passages formed in the pintle, said pintle sleeve communicating with the interior of a toilet and being attached to said seat, and exhaust means having a communicating connection with the terminal end of said standard and exhausting the toilet through said pintle sleeve, pintle and standard.

**2,119,530**
**COURSE INDICATOR FOR BLIND FLYING AND LANDING**
Francis W. Dunmore, Washington, D. C., assignor to the Government of the United States, represented by the Secretary of Commerce
Application November 10, 1932, Serial No. 642,945
8 Claims. (Cl. 177—352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

8. The combination with an indicating instrument having a pointer normally resting at one end of its range of movement, of a second pointer normally standing at zero center of its range of movement, said pointers being arranged to intersect at all times and to intersect each other at right angles when in their mid-scale positions

with said first pointer indicating a substantially horizontal position and said second pointer indi-

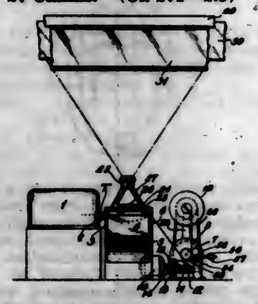


cating a substantially vertical position, and signal responsive means for operating said pointers.

2,119,531
NEW CONDENSATION PRODUCTS OF ACETYLENIC COMPOUNDS
Harry B. Dykstra, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 5, 1934, Serial No. 705,267
26 Claims. (Cl. 260—2)

1. The process which comprises reacting a compound containing an acetylenic linkage with an alpha halogenated ether in which the halogen is attached to an open chain carbon atom.

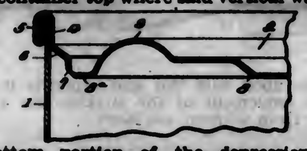
2,119,532
STOCK QUOTATION PROJECTING MACHINE
August D. Hitsen, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York
Application April 9, 1932, Serial No. 604,216
Renewed August 23, 1937
27 Claims. (Cl. 271—2.3)



1. In a tape control device for a stock quotation projection machine, the combination with a driving shaft, of a tape pulling sheave rotatably mounted on said shaft, a lever responsive to deflections in the tape anterior to the tape pulling sheave having one arm disposed to engage the tape and the other arm adapted to engage the sheave to anchor it against rotation when the discharge of the tape is interrupted, and a floating clutch angularly movable independent of said sheave and driving shaft but normally anchoring said sheave to said driving shaft and yieldable to release said sheave when the discharge of the tape is arrested.

2,119,533
EASY OPENING CONTAINER
Henry A. Fink, Pelham Manor, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 10, 1937, Serial No. 141,842
2 Claims. (Cl. 220—43)

1. An easy opening sheet metal container comprising a body, top and bottom ends hermetically joined thereto by double-seaming, said top end having a depression therein providing a wall contacting with the body wall of the container inside of and to the full depth of the double seam, said top end being further depressed so as to form a vertical wall inset from the body wall, the metal in the container top where said vertical wall joins



the bottom portion of the depression being thinned and disposed so that internal pressure applied to the container top will create a compression force within the thinned portion restrained by the vertical wall, while external pressure against the container top adjacent said vertical wall will create a tension force which will rupture the metal at the thinned portion.

2,119,534
VALVE
Lee Gerber, Ketchikan, Territory of Alaska
Application September 11, 1936, Serial No. 100,261
3 Claims. (Cl. 50—11)

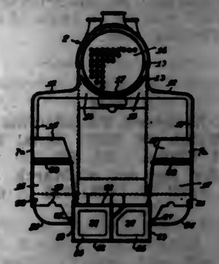


1. In a device of the character described, a pair of castings secured together, one of said castings having a bore centrally positioned therein, the other of said castings having a bore in axial alignment with said first mentioned bore but of greater diameter, a piston movable in said second bore and having a tubular extension secured thereto and movable in said first mentioned bore, a piston movable in said extension, a pressure controlling ring carried on said second mentioned piston, ports formed in said second mentioned piston, and capable of discharging fluid from the interior of said second mentioned piston to a point within said extension, ports through said extension and communicating with outlets formed in said casting.

2,119,535
LOCOMOTIVE BODY
Edward Gray, Detroit, Mich., assignor of one-half to Gar Wood, Detroit, Mich.
Application May 15, 1933, Serial No. 671,177
7 Claims. (Cl. 105—173)

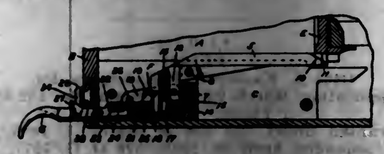
1. A locomotive body comprising a hollow floor structure, a boiler spaced above said floor structure, body side walls integrally united with said boiler, said side walls having laterally diverging portions and downwardly extending portions spaced laterally from the side edges of said floor structure and terminating in the horizontal plane of said floor structure, webs integrally united with said floor structure and extending laterally





therefrom, said webs having upwardly extending portions integrally united with said side walls and transverse portions integrally united with said boiler, and removable walls secured to bottom edges of said side walls and to adjacent edges of said floor structure.

2,119,536
TRIGGER FOR MACHINE GUNS
Samuel G. Green, Gray, Ga.
Application July 14, 1937, Serial No. 153,546
11 Claims. (Cl. 42—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



11. In a gun, a support, a trigger comprising rear and front levers, a pivot pin connecting said levers, a pivot pin carried by the support and mounting the front lever, means normally coupling the levers whereby they are movable as a unit, and means operable during the final portion of the firing movement of the trigger to inoperate the coupling means.

2,119,537
CONTAINER FOR AND DISPENSER OF RIBBON-LIKE MATERIAL
George H. Halpin, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application November 23, 1932, Serial No. 644,064
In Great Britain August 9, 1932
10 Claims. (Cl. 216—33)

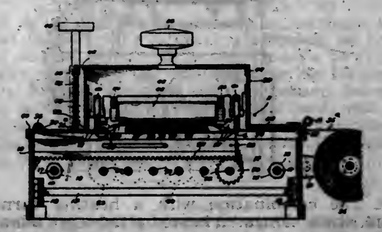


9. In a holding and dispensing device for a roll of adhesive tape, a pair of co-axial disc-like side portions, means attached to said side portions for supporting same in spaced parallel relation, said latter means being provided with an extended portion forming a severing blade and a portion of said severing blade extending in a plane substantially tangential to the perimeter of said side portions to form means for applying the tape as dispensed prior to severing of the dispensed portion.

2,119,538
METHOD OF TRANSPORTING ASPHALTS AND THE LIKE
William Henry Hampton, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 28, 1934, Serial No. 717,795
4 Claims. (Cl. 214—152)

1. The method of transporting to a region remote from the point of its production, an asphalt of melting point greater than about 170° F. which comprises the steps of pumping said asphalt in the form of free-flowing, shot-like particles of substantially uniform size and several millimeters in average diameter admixed with water into the hold of a tank ship, of maintaining said particles in said hold continually wet with water at substantially atmospheric temperature during transport and of finally pumping said asphalt particles, admixed with water, from said ship's hold at substantially atmospheric temperature.

2,119,539
PRINTING MECHANISM
Morris J. Heffman, Chicago, Ill.
Application December 5, 1936, Serial No. 114,419
12 Claims. (Cl. 101—93)

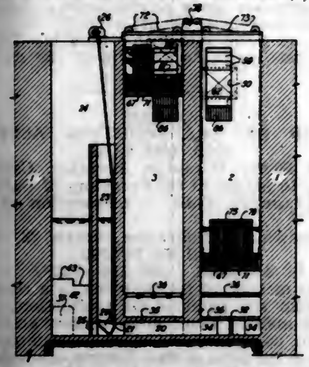


1. In printing mechanism, the combination of a base, type bars arranged side by side in groups and slidably mounted in the base, means to actuate said type bars whereby to set selected ones in printing position, auxiliary printing means comprising a guide member supported above the type bars in close proximity thereto, and a slide having type faces thereon and slidably held on said guide member, and impression making means co-operating with said type bars and auxiliary printing means to make impressions thereof.

2,119,540
METHOD AND APPARATUS FOR TRANSFERRING MIGRATORY FISH OVER A DAM STRUCTURE
Harlan B. Holmes and Henry F. Blood, Portland, Oreg., and Milo C. Bell, Seattle, Wash., assignors to United States of America as represented by the Secretary of War
Application June 2, 1937, Serial No. 146,016
23 Claims. (Cl. 61—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of effecting vertical transfer of migrating fish, which consists in concentrating

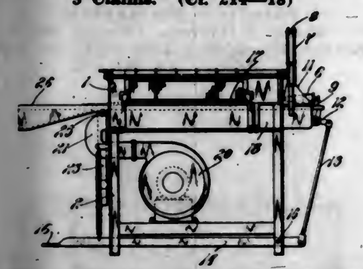
the fish in an entry bay and then subjecting them



to the lure effect of hydraulic flows from alternately actuated fishlocks.

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**2,119,541**
**FURNACE DISCHARGE MEANS**
**Joseph F. Joy, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts**
**Application October 21, 1936, Serial No. 106,849**
**5 Claims. (Cl. 214—18)**



1. The combination with a heating furnace from which elongated heated articles are adapted to be discharged in a sidewise abutting relation in a horizontal direction, of means for receiving the heated articles as they are discharged from said furnace embodying means for automatically tilting the articles, as they move in abutting relation horizontally along said receiving means, about an axis transverse to their length from one position into a relatively inclined position.

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**2,119,542**
**PRISM**
**Otto K. Kaspereit, Philadelphia, Pa.**
**Application March 22, 1937, Serial No. 132,353**
**1 Claim. (Cl. 88—1)**
**(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)**



A single prism for inverting and reverting an image embodying an entrant face for rays of light, a first reflecting face disposed at an angle of 45° to the entrant face for deviating the rays of light through 90°, a second reflecting face making an angle of 67° 30′ with a plane perpendicular to the path of the rays deviated by the first reflecting face and receiving the rays of light from the first reflecting face and deviating them through an angle of 45° to the plane perpendicular to the path of the reflected rays and an emergent face making an angle of 67° 30′ with the second reflecting face.

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**2,119,543**
**PRISM**
**Otto K. Kaspereit, Philadelphia, Pa.**
**Application March 22, 1937, Serial No. 132,354**
**1 Claim. (Cl. 88—1)**
**(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)**



A single prism for inverting and reverting an image embodying an entrant face for rays of light, a first reflecting face disposed at an angle of 45° to the entrant face for deviating the rays of light through 90° a second reflecting face making an angle of 60° with a plane perpendicular to the path of the rays deviated by the first reflecting face and receiving the rays of light from the first reflecting face and deviating them through an angle of 60° to the plane perpendicular to the path of the reflected rays and an emergent face making an angle of 60° with the second reflecting face.

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**2,119,544**
**PRISM**
**Otto K. Kaspereit, Philadelphia, Pa.**
**Application March 22, 1937, Serial No. 132,355**
**1 Claim. (Cl. 88—1)**
**(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)**

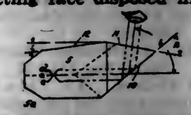


A single prism for inverting an image embodying an entrant face for rays of light, a reflecting face disposed at an angle of 45° to the entrant face and deviating the rays of light through 90°, a roof-angle reflecting surface whose ridge makes an angle of 60° with a plane perpendicular to the path of the rays deviated by the reflecting face, said surface receiving the rays of light from the reflecting face and deviating them through an angle of 60° to the plane perpendicular to the path of the reflected rays, and an emergent face making an angle of 60° with the ridge of the roof-angle surface.

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**2,119,545**
**PRISM**
**Otto K. Kaspereit, Philadelphia, Pa.**
**Application March 22, 1937, Serial No. 132,356**
**1 Claim. (Cl. 88—1)**
**(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)**

A single prism for inverting an image embodying an entrant face for rays of light, roof-angle reflecting faces disposed opposite to the entrant face and having its ridge at an angle of 45° thereto, said roof-angle faces deviating rays of light through 90° in a plane bisecting the roof angle, a reflecting face disposed in the path of



the rays reflected by the roof-angle faces and at an angle of 40° to the plane bisecting the roof angle for deviating the rays 80° to the plane bisecting the roof angle and an emergent face making an angle of 50° with said reflecting face.

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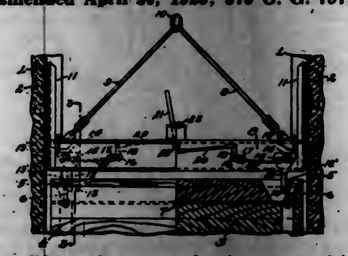
**2,119,546**
**PRINTING ON NONABSORPTIVE SURFACES**
**Donald W. Knaggs, City Island, N. Y., assignor to Anigraphic Process, Inc., New York, N. Y., a corporation of New York**
**Application December 29, 1933, Serial No. 704,456**
**5 Claims. (Cl. 41—26)**




4. The method of printing on a transparent glass container which comprises the use of a quick-drying hard-setting ink, setting said ink after applying it to the bottle, covering said ink with a synthetic-resin varnish, and then heating said bottle for approximately fifteen minutes at approximately 300° F.

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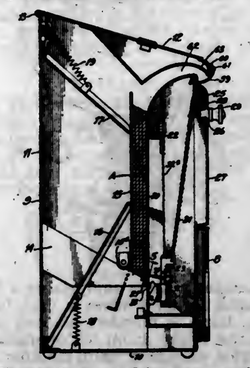
**2,119,547**
**LIFTING BEAM MECHANISM**
**Lewis E. Knerr, Portland, Oreg., assignor to United States of America, as represented by the Secretary of War**
**Application July 23, 1937, Serial No. 155,288**
**5 Claims. (Cl. 61—28)**
**(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)**



1. A lifting beam mechanism comprising a lifting beam adapted to operate in a guideway, a coupling hook pivotally mounted in and extending below the beam, said coupling hook having coupling and uncoupling positions, and a manually controlled device in connection with the beam and coacting with the coupling hook to urge said hook to a coupling or an uncoupling position depending upon the setting of said device, said manually controlled device including a leaf spring extending into a recess in said hook and means to reverse the direction of pressure exerted by the spring on said hook.

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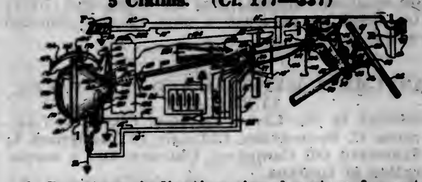
**2,119,548**
**COIN OPERATED VENDING MACHINE**
**Emma A. Laughery, Chicago, Ill.**
**Application March 14, 1935, Serial No. 11,089**
**Renewed August 30, 1937**
**4 Claims. (Cl. 312—56)**



3. In a dispensing machine, a carriage, vertical guides for the carriage, a magazine for holding stacked articles to be dispensed, a pawl pivotally carried by the carriage, a spring for yieldably forcing the pawl into a position beneath the adjacent article whereby the pawl will lift the article when the carriage rises, and means utilizing the tension of said spring for locking the pawl in an inoperative position.

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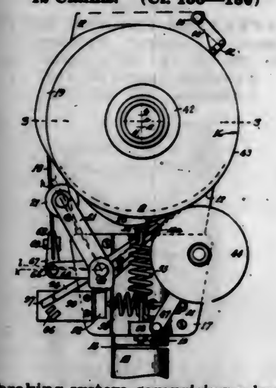
**2,119,549**
**COMBINED HEADLIGHT AND DIRECTION INDICATOR FOR VEHICLES, AND CONTROLLING DEVICE FOR SAME**
**Emil R. Lochman, Milwaukee, Wis.**
**Application February 8, 1932, Serial No. 591,690**
**Renewed September 1, 1937**
**5 Claims. (Cl. 177—337)**



1. In a turn-indicating signal system for automobiles, including means for providing a legible signal and a light-stream signal, a signal element carrying translucent members bearing direction indicia, electric lamps for illuminating said indicia, headlights, an electric lamp for each of said headlights, a single electric circuit interconnecing the lamps of said headlights, whereby when one of said lamps is lighted the other will be lighted, a separate electric circuit for each lamp of said element, and switch means for separately closing and opening the circuits of the

lamps of said signal element and, simultaneously, for closing and opening the circuit of said headlights, whereby the headlights are lighted to project a signalling light stream in conjunction with the lighting of each separate direction signal.

2,119,550
**SPEED CONTROL AND BRAKING SYSTEM**
Matthew H. Loughridge, Bogota, N. J.
Application July 19, 1934, Serial No. 736,052
42 Claims. (Cl. 188—180)



16. A braking system comprising a brake drum, a brake band for said drum, a cam for operating said brake band, a member pivoted on the same centre as the brake drum for operating said cam and a device engaging said member by friction for operating said member to operate the cam.

2,119,551
**MAKING ALUMINA AND POTASSIUM SULPHATE**
Florence B. MacCarthy, Philadelphia, Pa., assignor to Olcott Payne, Philadelphia, Pa.
No Drawing. Application April 14, 1936. Serial No. 74,289
11 Claims. (Cl. 23—121)

1. The method of treating potash alum by decomposing the aluminum sulphate portion of said potash alum by heating crystallized alum in admixture with a pulverulent to granular material selected from the group consisting of alumina and potassium sulphate and mixtures of same and burnt alum, and continuing the heating sufficiently to decompose a large part at least of the aluminum sulphate component of the alum, and thereafter leaching at least a part of the calcined product.

2,119,552
**ANTI-RUST MATERIAL AND PLUG VALVE LUBRICANT**
Frederick H. MacLaren, Calumet City, and Lawrence C. Brunstrum, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application May 9, 1936, Serial No. 78,932
8 Claims. (Cl. 87—9)

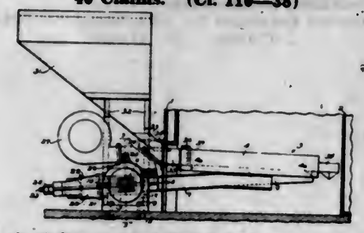
1. A composition of matter for use in protecting metals from corrosive agents comprising the following ingredients in about the following percentages by weight:

| | Per cent |
|---|---|
| Fuming sulfuric acid treated condensation product of chlorinated wax and an aromatic hydrocarbon | 10–60 |
| Acid resistant mineral oil | 40–90 |

2,119,553
**ANTIRUST MATERIAL**
Frederick H. MacLaren, Calumet City, and Lawrence C. Brunstrum, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application March 31, 1937, Serial No. 134,122
11 Claims. (Cl. 134—1)

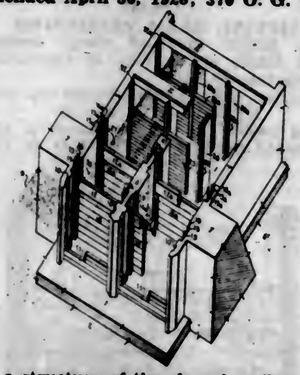
1. An improved slushing composition comprising from about 1% to about 35% by weight mahogany soap and from about 65% to about 99% weight sulfuric acid treated condensation product of chlorinated wax and an aromatic hydrocarbon.

2,119,554
**STOKER AND METHOD OF BURNING FUEL**
Edgar O. Marty, Pottsville, Pa.
Application December 21, 1931, Serial No. 582,369
Renewed August 17, 1937
40 Claims. (Cl. 110—38)



6. A stoker comprising a bar spring, a grate at one side of said spring, means rigidly attaching said grate to said spring, and means at the other side of said spring for periodically flexing the spring to vibrate the grate.

2,119,555
**FISH LADDER ASSEMBLY**
Ben L. Peterson, Portland, Oreg., assignor to the Government of the United States of America, represented by the Secretary of War
Application May 25, 1937, Serial No. 144,611
4 Claims. (Cl. 61—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a structure of the class described, a dam having a forebay and a tailrace, a fishway having a lower and an upper end and disposed about said dam, a portal disposed at the upper end of said fishway, a pair of upwardly extending substantially parallel walls flanking said portal, a pair



of vertical aligned grooves disposed one in each of said walls, a second pair of vertical aligned grooves disposed one in each of said walls and adjacent to the first named pair of grooves, a plurality of stacked segmental gate units disposed in one of said pairs of grooves, and a regulating gate disposed in the other one of said pairs of grooves.

2,119,556
**LUBRICATION**
Carl F. Prutton, East Cleveland, Ohio, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application November 16, 1936, Serial No. 111,111
6 Claims. (Cl. 87—9)

1. A lubricating composition comprising a major proportion of mineral lubricating oil and a minor proportion of stabilized halogenated paraffin wax prepared by halogenating paraffin wax until the same contains from about 10% to about 60% halogen, during which halogenation step relatively unstable halogenated constituents are produced in the reaction mixture and then subjecting such reaction mixture to a condensing reaction employing a minor amount of a condensing agent of the type represented by $AlCl_3$ just sufficient to convert said relatively unstable constituents into stable constituents without substantially modifying the relatively stable constituents of said reaction mixture and then separating the sludge therefrom.

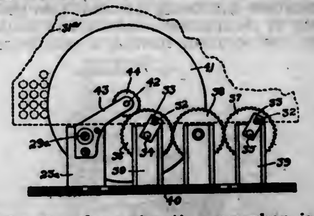
2,119,557
**PNEUMATIC TIRE**
Bo Folke Randel, San Diego, Calif.
Application April 23, 1937, Serial No. 138,609
3 Claims. (Cl. 152—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A pneumatic tire casing comprising side walls and a tread surface, a peripheral surface connecting said side walls and supporting said tread surface, said peripheral surface having a re-entrant curvature, the edges of said peripheral surface meeting said side walls at a substantially acute angle, a line extending between the apices of the acute angles formed by the re-entrant curvature and the side walls intersecting the outer side of said peripheral surface.

2,119,558
**ANIMATED SIGN**
Glenn A. Rogers, Los Angeles, Calif., assignor, by mesne assignments, to The Magnalite Corporation, Los Angeles, Calif., a corporation of California
Application February 2, 1935, Serial No. 4,656
Renewed August 20, 1937
5 Claims. (Cl. 40—133)

4. A device of the character described comprising a shaft, means for rotating said shaft, an animating member consisting of a flat plate with perforations therein, a plurality of cranks having pins upon which said member is supported, and gearing connecting said shaft with the said cranks to revolve the crank pins in or-



bits, whereby the animating member is moved bodily in such manner as to cause the perforations therein to move in orbits having the same diameters as the orbits of the crank pins.

2,119,559
**ELECTRON DISCHARGE DEVICE**
Victor L. Ronci, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 25, 1935, Serial No. 32,985
22 Claims. (Cl. 250—27.5)

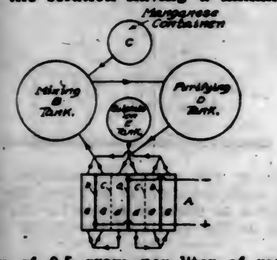


1. In combination, a mount for an electron discharge device comprising a tubular member having a larger diameter portion at an intermediate point thereof and an inwardly projecting stem at one end, an electron gun supported on said stem, a group of deflector plates supported on the opposite end of said tubular member coincident with the axis of said electron gun, a plurality of conductors connected to said deflector plates and extending outwardly toward said larger diameter portion, and an elongated vessel having a neck portion fused to said larger diameter portion and forming a sealed joint around said conductors.

2,119,560
**ELECTROLYTIC PROCESS FOR THE EXTRACTION OF METALLIC MANGANESE**
Stephen M. Shelton, Reno, Nev., assignor to Government of the United States as represented by the Secretary of the Interior
Application September 10, 1936, Serial No. 100,131
13 Claims. (Cl. 204—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for the electro-deposition of high purity manganese consisting in introducing an electrolyte into an electrolytical cell, the electro-

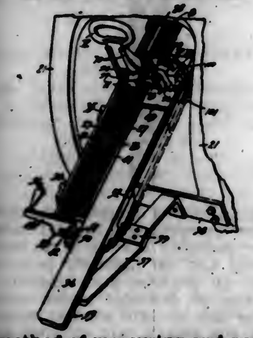
lyte being composed of an aqueous solution of ammonium and manganese salts, the ammonium salt being selected from the group consisting of ammonium sulphate and ammonium chloride, the manganese salt being selected from the group consisting of manganese sulphate and manganese chloride, the solution having a minimum con-




centration of 0.5 gram per liter of manganese a concentration ratio of ammonia to manganese in solution which is approximately or greater than 17 to 55 by actual weight and containing a sulphite ion to the limit of its solubility and then electrolyzing with a minimum cathode current density of 10 amperes per square foot.

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**2,119,561**
**METHOD OF MEASURING AND PACKING PRESS ARTICLES AND PRESS ATTACHMENT USED THEREIN**
**William Rees Smith, Portland, Oreg., assignor to American Can Company, New York, N. Y., a corporation of New Jersey**
**Application March 17, 1934, Serial No. 716,200**
**11 Claims. (Cl. 226—14)**



1. The method of measuring and packing non-circular articles in a uniform stack formation as received from a press, which consists in stacking the articles uniformly within a runway and thence to a magazine while holding the articles from individual rotation, segregating a predetermined quantity of articles from the stack while the press continues to operate and while the articles continue to stack to provide a measured charge of stacked articles within the magazine, moving said segregated quantity of articles bodily with said magazine and longitudinally of the runway by the pressure of succeeding non-segregated articles in the runway while preserving the segregated relation of such articles with respect to the remainder of the moving stack in the runway, whereby said magazine with its measured charge may be removed as a unit from the runway and inserted within a container to deposit the charge therein while holding the articles against individual relative rotation.

**2,119,562**
**DISPLAY APPARATUS**
**Joseph Taddeucio, East Boston, Mass.**
**Application June 17, 1937, Serial No. 148,716**
**6 Claims. (Cl. 40—32)**



1. A flexible band for use in display apparatus of the kind in which a casing has a sight opening across which a run of the band is moved, and a storage chamber in which an inactive portion of the band is temporarily stored, said band comprising two thicknesses of material, each thickness having a multitude of small light-transmitting openings therethrough, each opening in one thickness of the material substantially registering with the corresponding opening in the other thickness, the band being constructed and arranged to support display elements between the two thicknesses of the band material.

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**2,119,563**
**METHOD OF AND MEANS FOR FLOWING OIL WELLS**
**George M. Wells, Upper Montclair, N. J.**
**Application March 2, 1937, Serial No. 128,561**
**7 Claims. (Cl. 166—21)**



3. In a method of flowing an oil well drilled to a petroleum bearing stratum and containing a circulating drilling fluid, the steps comprising inserting into said well within a rigid perforated restraining means, a void-forming sub-divided material having a specific gravity of at least twice the specific gravity of the petroleum bearing stratum, and then washing said well to remove the drilling fluid, whereby said material is restrained against movement in the well and filters the petroleum flowing therethrough.

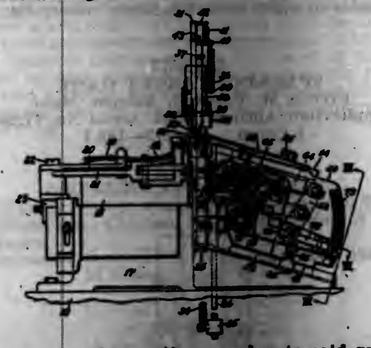
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**2,119,564**
**GAUGING MECHANISM**
**John M. Whelton, Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey**
**Application April 24, 1936, Serial No. 76,244**
**Renewed September 2, 1937**
**6 Claims. (Cl. 12—21)**

1. Sole-locating mechanism comprising a stationary frame, a movable frame mounted thereon, a style scale arranged to indicate various positions of adjustment of said movable frame,



means arranged to fasten said movable frame at various positions in the range of said scale, a sole-locating gauge adjustably mounted on said movable frame, an operating member also mounted on said movable frame, transmission means arranged to communicate operating mo-



tion from said operating member to said gauge, a scale arranged to indicate constant size intervals in the range of said operating member, said transmission means being regulatable to vary the size intervals in the range of said gauge, and a scale arranged to indicate various degrees of regulation of said transmission means.

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**2,119,565**
**PROCESS OF PRODUCING HYDROGEN**
**Roger Williams, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**No Drawing. Application June 25, 1926, Serial No. 118,000**
**13 Claims. (Cl. 23—212)**

1. The process of manufacturing hydrogen from steam and a hydrocarbon, which comprises passing a gaseous mixture of steam and a hydrocarbon at a reacting temperature below 700° C. over a catalytic body comprising a catalyst chemically combined with a promoter therefor.

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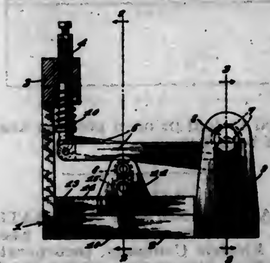
**2,119,566**
**PROCESS OF PRODUCING HYDROGEN**
**Roger Williams, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**No Drawing. Original application June 25, 1926, Serial No. 118,000. Divided and this application May 25, 1936, Serial No. 81,652**
**2 Claims. (Cl. 23—212)**

1. The process of manufacturing hydrogen which comprises passing a gaseous mixture of steam and a hydrocarbon over a heated catalytic body containing nickel and an oxide of one of the elements selected from the group consisting of boron and yttrium at a temperature below 700° C.

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**2,119,567**
**FUEL PUMP CONTROL**
**James M. Williams, Joplin, Mo., assignor of one-third to C. R. Morgenthaler, Joplin, Mo.**
**Application March 23, 1937, Serial No. 132,452**
**1 Claim. (Cl. 74—53)**

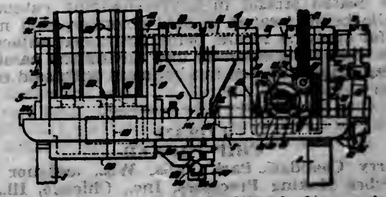
A control for fuel pumps for Diesel engines comprising a supporting structure including guides slidably supporting pump actuating tappets, a cam shaft supported by said structure, rocker arms connected to the tappets and engaging the cams of the cam shaft, a roller acting as a pivot for said rocker arms, a carriage having said roller journaled thereon, a second roller journaled on said carriage, tracks carried by



the supporting structure and engaged by the second roller, rack bars carried by the supporting structure, gears secured to the second roller and meshing with the rack bars, and means connected with the second roller for rotating the latter to vary the location of the first roller with respect to the rocker arms.

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**2,119,568**
**MACHINE TOOL**
**Guy C. Worrell, Westfield, Mass., assignor to Charles F. Ely, Westfield, Mass., as trustee**
**Application January 12, 1937, Serial No. 120,213**
**Renewed October 1, 1937**
**11 Claims. (Cl. 29—53)**



1. A machine of the class described comprising in combination, a support, a cam member rotatable therein having cam surfaces, a pair of tool carriers mounted on the axis of the cam member for swinging movements, a pair of actuators having a series of openings therein, spaced plates on the support disposed above and below said actuators having openings therethrough, a pivot pin for each actuator in a certain opening thereof and of the plates above and below the lever, connections between said actuators and tool carriers, and means on said actuators engageable by said cam surfaces.

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**2,119,569**
**FOLDING NEWSPAPER AND SALES BENCH**
**Henry J. Booker, Bronx, N. Y.**
**Application April 12, 1937, Serial No. 136,374**
**2 Claims. (Cl. 211—149)**

1. A folding sales bench, consisting of a top board having bars on each end thereof on one side of the board, a vertical front board having bars on each end thereof also on one side thereof, said vertical board being hinged to the top board so that the end bars of the vertical board will fold directly over and against the end bars of the top board when the bench is collapsed, and leg

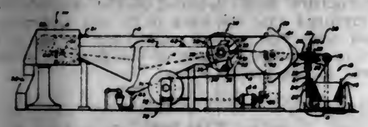
board members hinged to the inner side of the vertical board adjacent the end bars of the latter



and adapted to fold in open position against the end bars of both boards.

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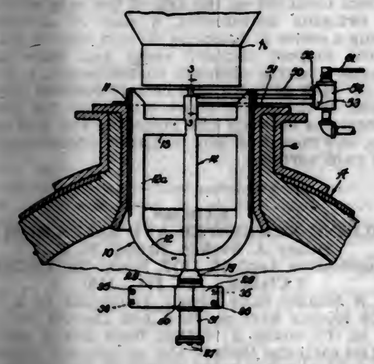
2,119,570
**STRAND HANDLING APPARATUS**
Samuel E. Brillhart, Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 19, 1935, Serial No. 27,281
3 Claims. (Cl. 18—13)



1. In an apparatus for coating a strand with a soft hardenable material, a treating chamber for hardening material applied to the strand, a material applying means having a passage therethru, and means for moving the strand thru said passage to coat the same and for maintaining the coated strand in a free-hanging catenary while being treated in said chamber, said material applying means being positioned adjacent one end of the catenary and having the passage therethru positioned in alignment with said catenary.

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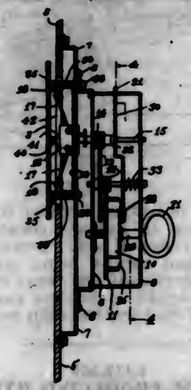
2,119,571
**CHIP PACKER**
Harry Coolidge, Park Falls, Wis., assignor to Fibre Making Processes, Inc., Chicago, Ill., a corporation of Illinois
Application July 27, 1936, Serial No. 92,761
4 Claims. (Cl. 92—7)



1. In a chip-packer for charging wood pulp digesters, a frame adapted to be supported in the charging neck of a digester and to extend therethrough into the digester, a propeller comprising a blade at the lower end of said frame mounted to rotate about a vertical axis, said blade being provided with two passages and discharge openings from said passages through opposite sides of said blade, and means for admitting steam under pressure to either of said passages selectively.

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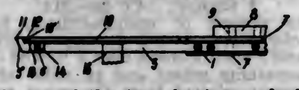
2,119,572
**SPARKING TARGET GAME**
Everett W. Creswell, Auburn, Mass.
Application April 30, 1936, Serial No. 77,200
1 Claim. (Cl. 273—102.1)



Game apparatus of the kind described comprising a target member of substantial area facing the player, yielding means normally supporting said target in extended position but permitting a limited reciprocating movement of the target when its surface is struck by a missile or the like,—a gear under tension by a windable spring and normally locked against movement,—means automatically unlocking said gear upon reciprocation of the target permitting a limited extent of travel of said gear and thereupon automatically again locking the same while still under driving tension of said spring, in combination with devices associated therewith and actuated by the movement of said gear, to produce a sparking or the like action, while said gear is in motion.

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2,119,573
**NEEDLE OF WEAVING LOOMS**
Raymond Dewas, Amiens, France
Application December 29, 1936, Serial No. 118,063
In France December 31, 1936
5 Claims. (Cl. 139—127)

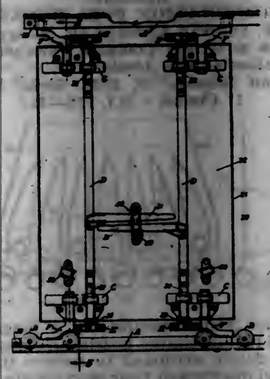


1. In looms of the type having a shed and a pair of reciprocating needles moving toward and away from each other for laying the pick in the shed, a pulling mechanism carried by one of said needles and a conveyor mechanism carried by said other needle, said pulling mechanism comprising a rigid member and a resilient member for gripping the thread therebetween, the gripping end of said flexible member being in resilient contact with said rigid member at least for a portion of its length, gripping means on one of said members for gripping and retaining the thread between said members and cooperating means carried by the gripping ends of said two members for introducing the thread into said gripping means during the reciprocation of the two needles, the gripping end of said flexible member being so constructed and arranged with respect to said rigid member and to said conveyor mechanism that the thread will ride on the exterior surface of said flexible member and exert pressure thereon during the receding movement of said needle whereby the gripping force of said gripping means will be increased by the resistance of the thread during the unwinding operation.



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2,119,574
**REFRIGERATOR CAR DOOR**
William H. Dwyer, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 19, 1936, Serial No. 106,300
15 Claims. (Cl. 20—23)



1. In a door construction for refrigerator cars having a wall member provided with a door opening, the combination with a door adapted to close said opening; of guide track means on said car; carrier means slidingly guided on said guide track means; and means for moving said door to open or close the same, including a manually actuated operating member movably mounted on the door, fixed keeper means with respect to which the carrier means is movable, movable means supporting the door on said carrier means, means for actuating said movable means by operation of said member to move said door either into or out of the door opening, and means on said operating member engageable with said keeper means for either prying the door open or forcing the same tightly closed.

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2,119,575
**FOOT CONSTRUCTION IN FULL-FASHIONED HOSIERY**
Gustav Gastrich, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Original application April 25, 1934, Serial No. 722,245, now Patent 2,055,458. Divided and this application July 31, 1936, Serial No. 93,566
6 Claims. (Cl. 66—182)

1. A full-fashioned stocking comprising a foot portion for preventing friction including reinforced heel areas, a multiple-ply area interposed between said heel areas, the position of said multiple-ply area being such as to engage it to the rear top edge of a low shoe, and a loose ply



extending between upper and lower positions spaced rearwardly from the toe tip.

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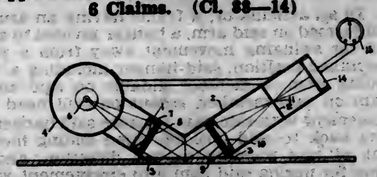
2,119,576
**INDICATING DIAL**
Hallan Eugene Goldstine, Port Jefferson Station, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 6, 1937, Serial No. 135,213
20 Claims. (Cl. 116—124.2)



1. An indicating dial comprising a rotatable disc, an operating knob secured to said disc, and an indicating counting mechanism located within said knob and fixed with respect to a panel or stationary surface on which said disc is mounted to indicate the revolutions made by said dial.

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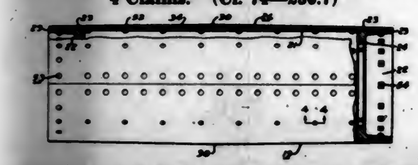
2,119,577
**STRAIN GAUGE FOR AND METHOD OF MEASURING STRAINS IN GLASS**
Samuel McK. Gray, Yonkers, N. Y., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application April 23, 1937, Serial No. 138,565
6 Claims. (Cl. 88—14)



1. A device for measuring strains in sheet glass, which consists of a housing provided with an opening adapted to be closed by a sheet of glass, said housing containing a source of light, means for polarizing light rays from said source in a plane so oriented that the vibrations are in a plane perpendicular to the plane of said opening and means for collimating said rays and directing them through said opening at the polarizing angle for said sheet of glass, a diaphragm provided with a slit, means for focusing at said slit rays

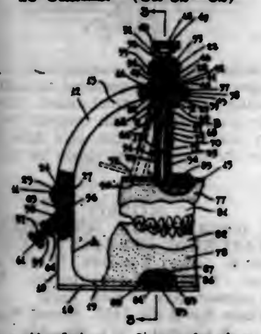
from said light source reflected at an angle equal to the angle of incidence from the rear surface of said sheet of glass placed against said opening, and photo-electrically-controlled means for determining the intensity of the rays so focused.

2,119,578
LAGGING
Carl A. Gustafson, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application June 29, 1936, Serial No. 87,968
4 Claims. (Cl. 74—230.7)



1. As an article of manufacture, an independently fabricated lagging for a pulley or the like, comprising a plurality of laminations of substantially the width of said pulley, a plurality of laminations of lesser and differing widths interposed between said first mentioned laminations to provide a crown on said lagging, all of the aforementioned laminations being cemented together into an integral body, adapted for mounting on said pulley.

2,119,579
DENTAL ARTICULATOR
Harry C. Hagman and Alexander S. T. Lagaard, Minneapolis, Minn.
Application November 21, 1934, Serial No. 754,040
18 Claims. (Cl. 32—32)



1. In an articulator, a frame having an arm, a head formed on said arm, a hanger pivoted to said head for swinging movement away from a predetermined position, said hanger including a depending stem, a member slidable on said stem, a cam on said member, means on said head for engagement with said cam to cause said hanger to swing back to said position upon sliding movement of said member in one direction, and a spring for urging said cam into engagement with said means to procure movement of said member in said direction.

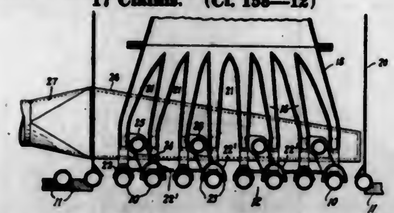
2,119,580
FUEL BURNER
Ralph M. Hardgrove, Westfield, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application January 18, 1936, Serial No. 59,677
11 Claims. (Cl. 158—7)

1. In a furnace wall having a fuel burner port, a fuel burner arranged to discharge fuel through said burner port comprising a plurality of transversely spaced vertically elongated hollow fuel discharge members having fuel discharge open-



ings at opposite vertically extending sides thereof, air supply means opening to the spaces between said fuel discharge members, and means for supplying fuel to said fuel discharge members.

2,119,581
COMBINATION FUEL BURNER
Thomas F. Sullivan, Chicago, Ill., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application January 28, 1936, Serial No. 61,139
17 Claims. (Cl. 158—12)



1. A fuel burner comprising a longitudinally elongated fuel discharge nozzle, an elongated fuel dispersal device arranged to receive the impact of the fuel discharged from said nozzle, said fuel dispersal device being hollow and having fuel supply and a multiplicity of small fuel discharge openings therein.

2,119,582
FLIER FOR SPINNING MACHINES
Harvey E. Herr, Buffalo, N. Y., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York
Application September 15, 1937, Serial No. 164,022
8 Claims. (Cl. 117—26.5)



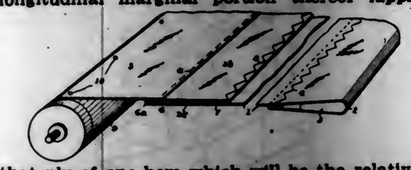
1. A flier for spinning machines and the like, comprising a sleeve adapted for attachment to a bobbin-spindle, a wire-base mounted thereon, and braking means applied to said sleeve for engagement with the bobbin-spindle.

2,119,583
WINDOW SHADE
Ellen W. Kingsbury, Rutherford, N. J.
Application July 28, 1937, Serial No. 156,074
2 Claims. (Cl. 156—10)

2. The herein described assembly comprising a roller, a shade proper of flexible sheet material



to be wound on the roller and having each end folded back and thereby forming a stick-receiving hem, and a connecting strip of flexible sheet material extending transversely of the shade proper and secured to the roller and having one longitudinal marginal portion thereof lapping



that ply of one hem which will be the relatively outer ply of such hem when the shade is wound on the roller and stitched to said ply independently of the other ply of the same hem along a line paralleling and removed from the fold of the latter hem.

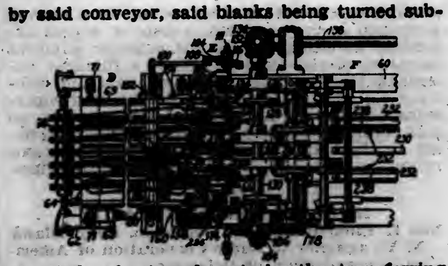
2,119,584
PICK-UP DEVICE FOR ELECTRICAL MUSICAL INSTRUMENTS
Armand F. Knoblaugh, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application December 9, 1935, Serial No. 53,589
5 Claims. (Cl. 84—1)



1. In a musical instrument, the combination of a plurality of tuned magnetized vibratile members arranged substantially in a plane and a pick-up device for said members, said pick-up device including a frame work arranged transverse to said members, a coil of wire on said frame work in proximity to said members, a second coil of wire on said frame work and disposed between said first-mentioned coil and said members, the two said coils being electrically connected in phase opposition.

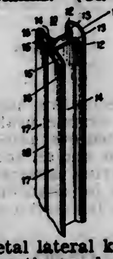
2,119,585
FEEDING APPARATUS
Cutler D. Knowlton, Beverly, Mass., assignor to Hogue-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts
Original application July 7, 1930, Serial No. 465,941. Divided and this application March 13, 1934, Serial No. 715,239
49 Claims. (Cl. 271—28)

1. In combination, means for delivering blanks, a movable conveyor upon which a series of blanks may be supported, oscillatory means for transferring blanks from the conveyor to the delivering means, and a stop situated in approximate coincidence with the axis of oscillation of the transferring means at the surface of the conveyor and against which the blanks are forced by said conveyor, said blanks being turned sub-



stantially about such axis by the transferring means.

2,119,586
BUILDING CONSTRUCTION ELEMENT
Guy F. Kotrbaty, New York, N. Y.
Original application July 5, 1935, Serial No. 29,820, which in turn is a division of Serial No. 698,432, November 17, 1933. Divided and this application March 3, 1936, Serial No. 66,781. Renewed November 3, 1937
7 Claims. (Cl. 72—48)



1. A sheet metal lateral keying member comprising a head section and a generally flat foot section and an intermediate web section, the head section being of flattened arcuate configuration, the web section being formed of spaced, parallel portions terminating in edge flanges bent on themselves to form the foot portion of the member, the said head and foot sections being severally adapted to fit in and engage conformed keying sections in juxtaposed building unit members.

2,119,587
HEATED VEHICLE WINDSHIELD WIPER
Foster W. Lamb, Tarentum, Pa.
Application July 7, 1936, Serial No. 89,324
5 Claims. (Cl. 219—19)



1. A heated adapter for windshield wipers com-

prising a reflecter element being substantially U-shaped in cross section, a pair of wipers extending longitudinally of the reflecter adjacent the sides of the mouth thereof, a filament extending longitudinally of the reflecter and substantially at the focal point thereof, said wipers being arranged to have pivotal motion about an axis running transversely of the reflecter and being further adapted to oscillate about an axis running substantially longitudinally of the wiper.

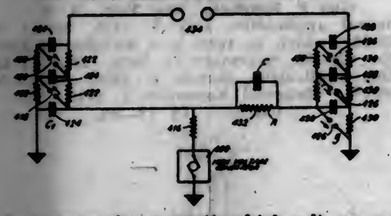
2,119,588

## HIGH VOLTAGE GENERATOR

Nils E. Lindenblad, Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application August 9, 1933, Serial No. 684,222. Divided and this application February 26, 1935, Serial No. 8,236

6 Claims. (Cl. 171—97)



2. A system for generating high voltages, comprising a group of symmetrically arranged devices having elongated evacuated tubes containing at least a cathode and an anode, each of said evacuated tubes having associated therewith a storage shell, means for charging said devices in parallel, and means for discharging said devices in series.

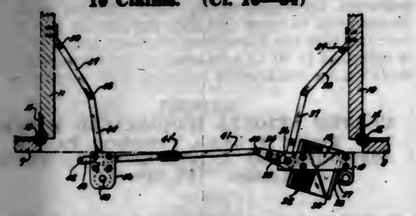
2,119,589

## DOOR CHECKING DEVICE

Charles F. Lutz, Milwaukee, Wis.

Application December 23, 1936, Serial No. 117,366

10 Claims. (Cl. 16—84)



1. A door checking device for use in connection with a hinged door comprising a plurality of pivotally connected links for connecting the door to the door frame, a bellows connected to and cooperable with said links for checking the opening and closing movement of said door, and means for automatically controlling the freedom of escape of air from the bellows during closing movement to provide greater resistance during the first part of said closing movement.

2,119,590

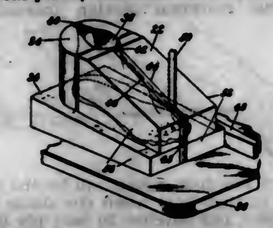
## METHOD OF MAKING CASTS OF FEET

Edwin C. MacDonald, Randolph, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application March 6, 1936, Serial No. 67,524

2 Claims. (Cl. 18—55)

2. That improvement in methods of making casts of feet which comprises making a mold of a foot to obtain an impression thereof, cutting and removing material from the mold in a median plane extending lengthwise and heightwise of the mold and thereby dividing it into two relatively symmetrical parts, thus reducing its width without appreciably altering its surface contour, reassembling the mold to reestablish the reduced impression, and producing in said mold a cast of the foot which contains substantially all of the surface contours of the original foot but is narrower than said foot.



2,119,591

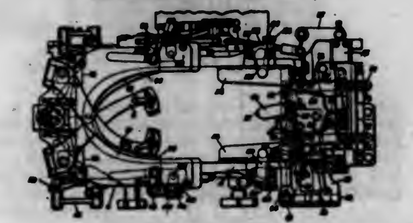
## MACHINE FOR APPLYING PRESSURE TO SHOE BOTTOMS

Lawrence Mawbey, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application October 26, 1936, Serial No. 107,632

In Great Britain November 11, 1935

38 Claims. (Cl. 12—33)



1. A pad box for use in applying pressure to shoe bottoms provided with a sole receiving pad, means having a predetermined angular relation to the pad when in an operative position and urged toward the pad under pressure for locating a sole relatively thereto, and means for permitting the sole locating means to be swung into a depending position remote from the pad when said locating means is not to be used, said last-named means being also constructed and arranged to adjust the sole locating means laterally of the pad while maintaining its predetermined angular relation thereto.

2,119,592

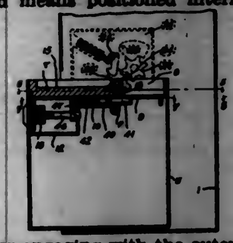
## FAREBOX

Eugene Murdock Macdonald, Shaker Heights, Ohio

Application August 27, 1936, Serial No. 96,225

5 Claims. (Cl. 232—15)

1. In a farebox, the combination of a removable vault adapted to be inserted into and then withdrawn from the base of said farebox, a slidable door in the top of said vault, transversely extending slots in said door, bars longitudinally movable in said slots, an abutment carried by said vault and adapted to be engaged by the ends of said bars on opening movement of said door whereby said bars are moved outwardly of said vault, and means positioned interiorly of said farebox for engaging with the outer ends of said bars.





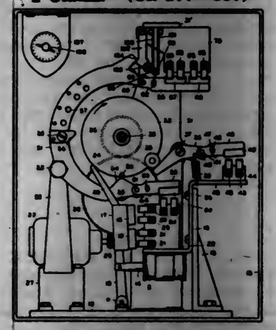
2,119,593

## TRAFFIC SIGNAL SYSTEM

Adelard F. Martel, Burlingame, Calif., assignor of one-half to George W. Gates, Burlingame, Calif.

Application April 20, 1936, Serial No. 75,357

1 Claim. (Cl. 177—337)



In a traffic signalling system, a motor circuit including an electric motor, and two switches in parallel for energizing said motor when either is closed, a disc driven by said motor, lugs on said disc spaced in the direction of rotation of the disc, means operated by one lug to open one of said switches when engaged by the lug, a lever in the path of the second of said lugs and movable to switch opening and switch closing position for operating the second of said switches, means operated by traffic for moving said lever to switch closing position whereby the motor is energized and the disc rotated and the first lug moved away from said one switch opening position, means to thereupon close said one switch, the second lug thereafter moving said lever to open the second switch, an arcuate control element having a cam thereon in the path of the first lug to shift the position of said control element upon engagement by said first lug, a second cam circumferentially adjustable on said control element, and adapted to restore said control element to its original position upon engagement by said first lug, traffic signals, and means to display one group of signals when the control element is in one position, and a second group when the control element is in the original position.

2,119,594

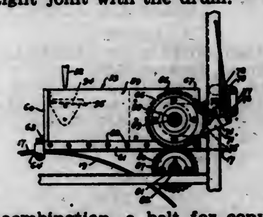
## EGG DEHYDRATOR

Charles McLean, Berkeley, Calif.

Application December 6, 1934, Serial No. 756,312

3 Claims. (Cl. 159—7)

2. In combination with a belt for conveying fluid matter to be dried, means for delivering such matter to the belt, a box-like structure overlying the belt at the point of delivery of matter thereto, a rotatable drum forming one wall of said box-like structure to evenly distribute the matter over the surface of the belt, said drum having annular grooves adjacent its ends, and means on the box-like structure fitting within said grooves to form a fluid-tight joint with the drum.



3. In combination, a belt for conveying fluid matter to be dried, means for delivering said matter to the belt, a rotatable roller spaced from the belt and positioned adjacent the delivery means for causing even distribution of the matter over the surface of the belt, and means for adjusting the spacing between the roller and the belt.

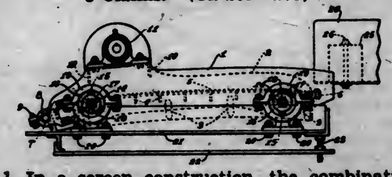
2,119,595

## SCREENING DEVICE

James W. McNeely, Monterey Park, Calif.

Application December 22, 1934, Serial No. 758,760

3 Claims. (Cl. 209—275)



1. In a screen construction, the combination of a frame provided with longitudinal side members, a transverse vibration-distributing member connecting said side members, said transverse member being positioned at a point between 50% and 80% of the frame length from the feed end thereof, a vibration-generating element carried by said transverse member and attached thereto at points spaced from said side members, a plurality of transverse spaced supports carried by said screen frame, and a screen fabric mounted in said frame and supported by said transverse supports, said supports being adapted to contour the screen fabric to a progressively decreasing radius of curvature from the feed end to the discharge end of the frame.
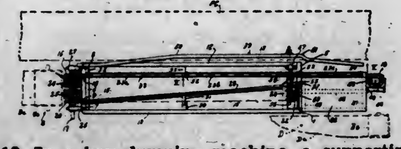
2,119,596

## BOX DUMPING MACHINE

Henry J. Mintert and John B. Tate, Riverside, Calif., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application June 23, 1936, Serial No. 86,782

13 Claims. (Cl. 214—1.1)



13. In a box dumping machine, a supporting frame including a conveyer supporting means

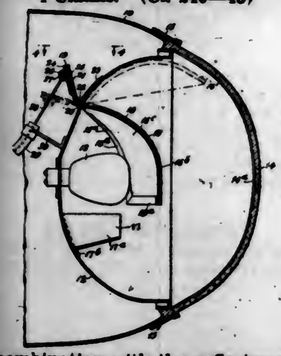
thereon, an endless chain box conveyer extending longitudinally of said frame and adapted to engage boxes to carry the same across said frame, an endless chain supported by said frame and arranged to cause said boxes to rotate around said first mentioned chain in their path of travel over said supporting frame so as to substantially invert said boxes.

2,119,597

## HEADLIGHT FOR VEHICLES

Frank P. Morea, Jackson Heights, N. Y., assignor of one-third to Emil John Weinheim and one-third to Victor N. Morea, both of Flushing, N. Y.

Application October 26, 1937, Serial No. 171,006
4 Claims. (Cl. 240—45)



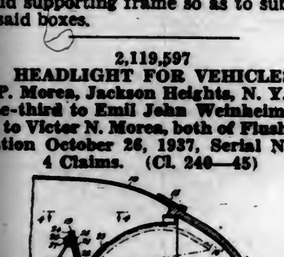
1. In combination with the reflector and lamp of a headlight for vehicles and the like, a cup shaped shield having a rear edge to fit the contour of the reflector and the front portion thereof extending over and covering said lamp to cut off certain rays, a tubular leaf pivotally mounted on the rear face of said reflector, means for moving said leaf operable from a remote point, a finger element extending from the rear edge of said shield and projecting through an opening in the rear of said reflector and engaging into said tubular leaf, and resilient means for releasably holding said finger and leaf together so that the said shield will be movable to various positions over said lamp by the means for moving the leaf and in all positions may be removed by the mere pulling of the finger out of the leaf.

2,119,598

## PIANO KEY CONNECTION

Arthur H. Morse, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio

Application August 24, 1936, Serial No. 97,519
6 Claims. (Cl. 84—240)



1. In an upright piano, a horizontally disposed, intermediately pivoted key extending in a forward-rearward direction of the piano; a rail located above said key near the rear end thereof; a bell crank, pivoted on said rail, disposed so that one of its arms is substantially horizontal over said key so as to be moved from underneath by said key in a playing motion thereof, and the other arm of said bell crank is substantially vertical; an action located behind said key at least partly below the level thereof, including a horizontally disposed wippen below the level of said key; and a linkage connection between the vertical arm of said bell crank and said wippen, whereby a playing motion of said key operates the said action.

2,119,599

## MILK PRODUCT AND PROCESS OF MANUFACTURING THE SAME

Frederic W. Nordsiek, New York, N. Y., assignor, by mesne assignments, to The Sanoderm Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application August 5, 1937, Serial No. 157,522
14 Claims. (Cl. 99—59)

1. The process of preparing a readily digestible milk product having the valuable dietetic properties of ordinary yoghurt milk, comprising heating milk to substantially 100° C. to reduce foreign bacteria present, cooling to 40° C.; adding a mixed culture of *Lactobacillus acidophilus* and *Streptococcus thermophilus* produced by separately acclimating the bacillus and the coccus to an optimum growth temperature of 40° C., mixing and growing the bacillus and the coccus at 40° C., passing through a fine sieve; incubating at 40° C., and cooling.

2,119,600

## TREATMENT OF RUBBER

Francis Norman Pickett, Westminster, London, England, assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 4, 1935, Serial No. 425. In Great Britain January 11, 1934
1 Claim. (Cl. 18—50)

A process of preparing an artificial rubber dispersion for use in dipping operations, which comprises dispersing in an aqueous liquid with the aid of a dispersing agent at an elevated temperature rubber softened with a creosote having a boiling range at atmospheric pressure not exceeding approximately 270° C.

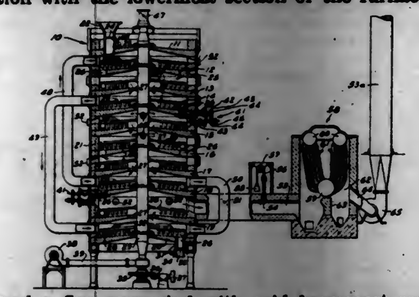
2,119,601

## APPARATUS FOR TREATING MATERIAL

William Raisch, New York, N. Y., assignor to Underpinning & Foundation Co., Inc., New York, N. Y., a corporation of New York

Application September 11, 1936, Serial No. 100,282
10 Claims. (Cl. 110—12)

1. Apparatus of the class described comprising a multiple-hearth furnace having vertically spaced hearths with outlets through which the material introduced at the top of the furnace may pass downwardly to the lowermost hearth and then be discharged from the furnace, means at the outlets of two hearths to prevent the passage of gases and divide the furnace into an uppermost drying section, an intermediate burning section and a lowermost section for subjecting the gases to high temperatures to complete combustion thereof and remove noxious odors before discharge from the furnace, means for supplying preheated air to the burning section, a duct conducting hot gases from the burning section to the drying section, a duct connecting the drying section with the lowermost section of the furnace,



and a flue connected with said lowermost section to discharge gases of combustion from the furnace.

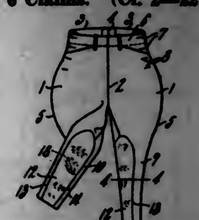


2,119,602

## RIDING BREECHES AND THE LIKE

Edward F. Roberts, Rye, and Seth Adamson, Larchmont, N. Y., assignors to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware

Application June 26, 1937, Serial No. 150,450
6 Claims. (Cl. 2—237)



6. A garment having long tubular limb-embracing portions, each limb embracing portion being provided in the vicinity of the bend of the limb with an insert formed of a flat sheet of leather having a substantial stretch in the limb embracing direction and provided with a sheet of elastic fabric adhesively secured to the entire inner face of the leather to contract it.

2,119,603

## TIE PRESS

Robert H. Schwab, Sacramento, Calif.

Application January 2, 1937, Serial No. 118,849
2 Claims. (Cl. 38—71)



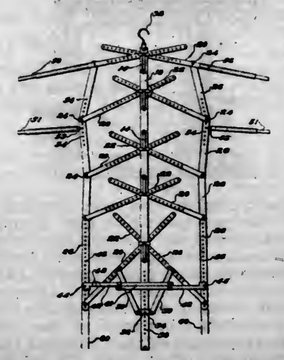
1. A tie press comprising separate top and bottom plates, a moisture absorbing and tie engaging pad disposed between the plates, spaced elastic straps secured intermediate their ends on the under side of the bottom plate and adapted to be folded over the top plate and means to then relatively hold the ends of the straps secured together with the straps tensioned.

2,119,604

## GARMENT BLOCKING AND STRETCHING FORM

Ann P. Shepherd, Boston, Mass.

Application May 22, 1935, Serial No. 22,853
1 Claim. (Cl. 223—69)



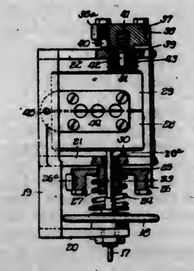
A blocking and stretching form comprising a longitudinal support, opposite sets of articulated frame members each consisting of a plurality of pivotally connected and relatively short sections, a series of cross arms connecting the articulated frame members with the longitudinal support at each pivoted connection of the frame members, a spring detent for fixedly pinning each set of cross arms to the longitudinal support, the cross arms being perforated to provide individual lengthwise adjustment and vary the contour of the form, and means for changing the diagonal relationship of the cross arms simultaneously to adjust the articulated frame members toward and from the support without essentially changing the general contour of the frame members.

2,119,605

## ALARM APPARATUS FOR TEMPERATURE CONTROL

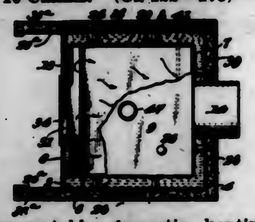
Morton O. Snediker, Chicago, Ill., assignor to The Powers Regulator Company, Chicago, Ill., a corporation of Illinois

Application August 13, 1936, Serial No. 95,770
2 Claims. (Cl. 200—140)



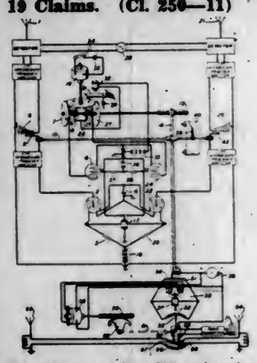
1. In combination, a frame providing a pair of spaced stops, means for varying the distance between the stops, a pair of switches having actuating buttons registering with said stops, said switches and buttons being bodily movable in unison between the stops, a heat responsive element adapted to move said switches to close a circuit at predetermined variable high and low temperature limits.

2,119,606
**DOMESTIC HEATING BOILER**
Earl C. Stauffer, Lancaster, Pa.
Application August 23, 1937, Serial No. 160,543
10 Claims. (Cl. 122—173)



1. A transportable domestic heating boiler adapted to be pre-assembled and shipped as a heating unit ready for installation, comprising a boiler structure having sheet steel firebox and shell members in spaced relationship and defining a fluid heating compartment therebetween, an extension formed of substantially co-planar portions projecting from each of two oppositely disposed vertical walls of the shell and forming a rigid compartment offset from the boiler structure for the reception of control means and any exposed portions of a combustion unit to shield and protect the same during shipment and in service.

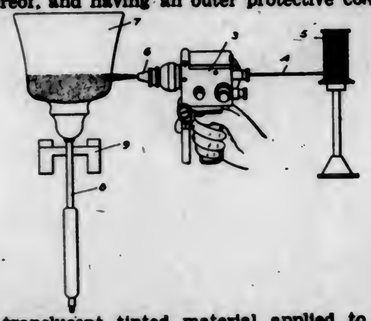
2,119,607
**RADIO COMMUNICATING SYSTEM**
Ernest J. Sterba, Asbury Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 25, 1934, Serial No. 741,355
19 Claims. (Cl. 250—11)



1. In combination, a plurality of antennae, amplifying means associated with each of said antennae for amplifying a signal received by its respectively associated antenna, regulating means for maintaining the intensities of the outputs of each of said amplifying means substantially the same, and means controlled by said regulating means for comparing simultaneously the relative receptive characteristics of each of said plurality of antennae.

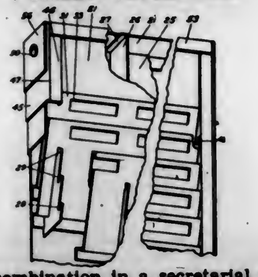
2,119,608
**COATED GLASSWARE**
Andrew H. Stewart, Shields, Pa., assignor to The Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia
Application July 8, 1935, Serial No. 30,343
3 Claims. (Cl. 49—92)

1. A shaped glass article having a portion of its surface coated with metal sprayed thereon while the article is still hot from the shaping thereof, and having an outer protective coating



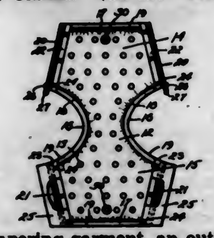
of translucent tinted material applied to the metal coating and giving color effects to light rays that pass through minute openings in the metal coating.

2,119,609
**WALL CASE**
Percy E. Stiles, Beloit, Wis.
Application April 20, 1935, Serial No. 17,443
7 Claims. (Cl. 312—141)



2. The combination in a secretarial wall case of a personal section comprising a frame, a plurality of longitudinally disposed pocket members having their ends substantially abutting against one side of said frame, and a mold member shaped to cover the sides of said frame and having fingers shaped for entry between said pocket members whereby to conceal the junction between the pocket members and the sides of the frame.

2,119,610
**DIAPERING GARMENT**
Robert Arthur Tasker, Fulton, N. Y., assignor of one-third to Harley N. Gates, Syracuse, N. Y.
Application September 30, 1935, Serial No. 42,831
9 Claims. (Cl. 128—284)



1. In a diapering garment, an outer protective covering made of water-proof material having a plurality of perforations therein, said perforations being of small size and being spaced substantially throughout the area of the protective covering, an inner absorbent pad carried by the outer protective covering, said pad having a covering of water-repellent material having a plurality of perforations therein, and means for securing the garment to a child.



2,119,611
**YARN TENSION**
David A. Tebo, Lawrence, Mass., assignor to U S Bobbin & Shuttle Company, Manchester, N. H., a corporation of Rhode Island
Application January 26, 1937, Serial No. 122,336
4 Claims. (Cl. 139—216)
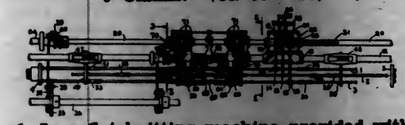


1. A shuttle of the kind having therein a bobbin chamber and a take-up chamber separated from the bobbin chamber by a transverse wall, said wall having therein an aperture disposed wholly below the top surface of the shuttle, characterized in having a tension device comprising a block fitting snugly within said aperture and having a recess at one, at least, of its ends, and a retaining element fixed within the shuttle body and entering said recess thereby positively to hold the block in operative position, and tension elements housed within the block.

2,119,612
**FORM OF STORAGE FOR SWEET POTATOES AND OTHER VEGETABLE CROPS FOR INDUSTRIAL UTILIZATION**
Francis H. Thurber, Arlington, Va.; dedicated to the free use of the People of the United States
No Drawing. Application November 22, 1937, Serial No. 175,772
5 Claims. (Cl. 99—156)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method for the removal of solubles from sweet potatoes, which comprises subjecting the sweet potatoes to the action of water in the presence of a suitable preservative, followed by the adjustment of the hydrogen ion concentration to approximately pH 7, followed by storage in the presence of sodium-2-4-5-trichlorphenate.

2,119,613
**CARRIER ROD DRIVING MECHANISM**
Arnold Friedrich Verbeek, Oberlungwitz, Germany, assignor to Kalio, Inc., New York, N. Y., a corporation of New York
Application July 6, 1936, Serial No. 89,014
9 Claims. (Cl. 66—127)

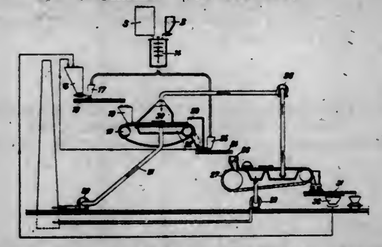


1. In a flat knitting machine provided with a reciprocable friction rod and more than two carrier rods; carrier rod control mechanism comprising a friction device on said friction rod for selecting and driving any two of said carrier rods during any traverse of the friction rod and other friction means on said friction rod for driving another of said carrier rods in the same direction during the same traverse of the friction rod.

2,119,614
**PROCESS FOR PREPARING A USEFUL MILK SERUM OR WHEY PRODUCT**
Byron H. Webb, Washington, D. C., and Guy A. Ramsdell, Arlington, Va.; dedicated to the free use of the People of the United States
No Drawing. Application April 14, 1937, Serial No. 136,818
4 Claims. (Cl. 99—57)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for treating the serum solids of milk, consisting of condensing milk serum under vacuum, the while adding sufficient sucrose, thereby producing a concentration of substantially 60 percent sugar in water in the finished product, and continuing the said condensation until a mixture is obtained of not more than 32 percent water and at least 68 percent total solids, and subsequently cooling and stirring the concentrate to crystallize the lactose as small crystals.

2,119,615
**PROCESS FOR DRYING SUBSTANCES IN THE CONDITION OF SLUDGE AND FOR EVAPORATING SOLUTIONS**
Helmut Wendeborn, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
Application July 24, 1936, Serial No. 92,300
In Germany July 30, 1935
7 Claims. (Cl. 263—53)



1. The process of drying liquid water-bearing substances which comprises in combination mixing said substances with a granular carrier having no adverse effect on the substances to be dried in such relative proportions that a no longer fluid mass but one adequately permeable to gases is obtained, charging the said mixture as a comparatively shallow layer on to a support sufficiently permeable to gases, drawing gases through said layer to dry said mixture, and subsequently separating said dried substances from the said granular carrier.

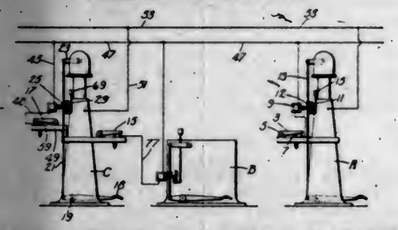
2,119,616
**PROCESS OF PASTEURIZING MILK**
Rolan Jay Wightman, Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 1, 1936, Serial No. 72,177
4 Claims. (Cl. 99—212)

1. The hereindescribed short time method of pasteurizing milk which comprises raising the

temperature of the milk to about 100° F. and preliminarily heating the milk from that temperature to a temperature of approximately 156° F. in a period of time not exceeding four minutes, then promptly cooling the milk before pasteurization thereof occurs at least to approximately 145° F. in a period of time not exceeding about one minute, then heating the milk to a temperature of approximately 160° F. in a period of time not exceeding about two minutes and holding it approximately at 160° F. for approximately fifteen seconds, and then cooling the milk.

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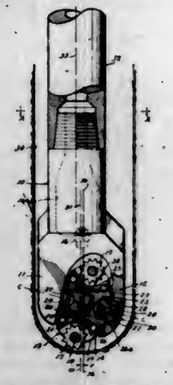
**2,119,617**
**CONTROL MECHANISM**
**Erastus E. Winkley, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey**
**Application November 11, 1935, Serial No. 49,268**
**6 Claims. (Cl. 192—125)**



1. The combination, with two machines for performing operations on articles successively, of a yieldable support adapted to receive the articles from the first machine preparatory to being operated upon by the second machine, and means associated with said support for stopping the operation of the first machine when articles which exceed a predetermined quantity accumulate upon the support.

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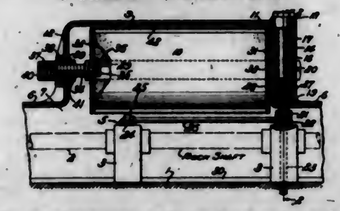
**2,119,618**
**OVERSIZE HOLE DRILLING MECHANISM**
**John A. Zublin, Los Angeles, Calif.**
**Application August 28, 1937, Serial No. 161,483**
**8 Claims. (Cl. 255—71)**



1. An earth boring mechanism comprising a shank; a carrier rotatably supported by said shank; cutters rotatably mounted on said carrier, said cutters when in their bottommost position being contactable with the formation at one side of the axis of the bore; and a heavy drill collar connected with said shank, the axis of said drill collar being offset with respect to the center of rotation of the cutter carrier and in the direction of the bottommost cutters, said collar being also offset with respect to the bore axis on the same side thereof as said bottom contactable cutters, whereby centrifugal force developed by revolution of said drill collar will maintain the cutter contact to said one side of the bore axis.

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**2,119,619**
**FILTERING UNIT FOR LUBRICANT-CIRCULATING SYSTEMS OF INTERNAL COMBUSTION ENGINES HAVING OVERHEAD VALVES**
**Walter C. Bauer, Rockville, Md.**
**Application December 31, 1936, Serial No. 118,666**
**3 Claims. (Cl. 123—196)**



1. In combination with an internal combustion engine of the valve-in-head type having a portion of the valve-operating mechanism exposed and having a lubricant-circulating system associated therewith said system including means for delivering lubricant to said valve-operating mechanism and passages for return of lubricant to said system, a housing for the valve-operating mechanism of the engine, said housing being supported on said engine and providing a chamber above said valve-operating mechanism for the reception of a lubricant filtering unit; a lubricant filtering unit; means carried by said housing for mounting said lubricant filtering unit in said chamber; means for diverting lubricant from said system and for leading the same to said lubricant filtering unit, said filtering unit being arranged to deliver filtered lubricant to said passages; and means for securing said housing on said engine, said securing means being constituted by a plurality of bolts, one of said bolts being bored for a part of its length to define a passage for lubricant, in which said housing is provided with inter-communicating lubricant-conducting passages communicating between said lubricant filtering unit and said bored securing bolt one of said passages being adapted for reception of said bored securing bolt, and in which there is provided means defining a passage from said lubricant circulating system to the bore of said bored securing bolt.

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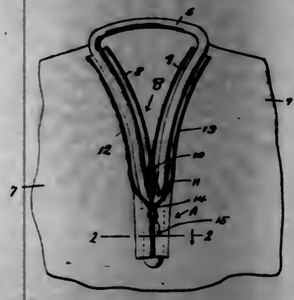
**2,119,620**
**PROCESS FOR CONCENTRATING RUBBER LATEX AND SIMILAR VEGETABLE JUICES**
**Ernst Bensing and Johannes Jaenicke, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Revertex Limited, London, England, a corporation of England**
**No Drawing. Application November 29, 1935, Serial No. 52,193. In Germany December 5, 1934**
**9 Claims. (Cl. 18—50)**

3. A process for producing a relatively stable concentrated rubber latex which comprises the steps of desensitizing the latex by partially coagulating the latex, separating the coagulum therefrom as by a sieve, and treating the remaining latex with media to adsorb the non-rubber substances which tend to render the latex sensitive to coagulating influences and concentrating said desensitized latex by centrifuging.



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**2,119,621**
**WATERPROOF "ZIPPER" CLOSURE**
**Samuel Chester Ferrone, Altoona, Pa.**
**Application June 10, 1937, Serial No. 147,555**
**2 Claims. (Cl. 2—96)**



1. In a structure of the class described including companion portions of waterproof sheet material, the abutting edges thereof being in the form of opposed complemental waterproof beads, an outer slide fastener secured to the corresponding outer surfaces of said sheet material for cooperation with the beads, and a separate and independent inner slide fastener secured to the inner surfaces of said companion portions for cooperation with said beads, and said slide fasteners being individually and successively operable and closable.

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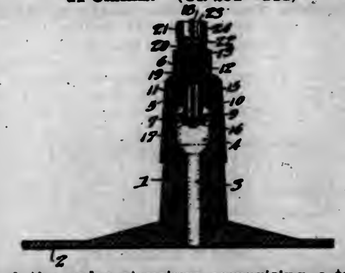
**2,119,622**
**ROLLER GRIP WRENCH**
**Elmer C. Freber, St. Louis, Mo., assignor of one-half to Joseph L. Wille, St. Louis, Mo.**
**Application June 7, 1937, Serial No. 146,935**
**2 Claims. (Cl. 192—44)**



1. A ratchet mechanism comprising an annular head, a cam concentrically disposed in the head, wedge rollers between the cam and the inner periphery of the head, a shifter lever having an integral screw threaded stud provided with angular and cylindrical portions, a plate mounted upon the angular portion to turn as a unit with the shifter lever, springs carried by the plate and engaging the rollers longitudinally to tension the rollers and reverse the position of the same, a disc mounted outwardly of the plate upon the cylindrical portion of the stud and carrying a stop pin, there being an arcuate slot in said plate, the ends of which are adapted to engage the stop pin and limit shifting movement of the plate, and a nut mounted upon the stud and holding the lever, the disc and the plate in assembled relation.

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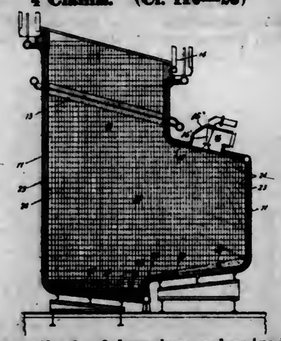
**2,119,623**
**TIRE VALVE**
**William F. Geff, Akron, Ohio**
**Application September 27, 1937, Serial No. 165,949**
**11 Claims. (Cl. 251—144)**



8. A tire valve structure comprising, a tubular valve stem of yieldable material having an inwardly faced shoulder within the opening thereof, a valve core body removably fitted within the opening with its outer end extending beyond the stem and having an outwardly faced flange engaging the shoulder, and means on the extending end of the valve core body to draw and clamp said flange against the shoulder.

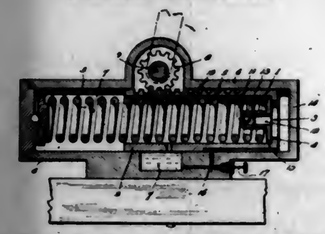
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**2,119,624**
**FURNACE**
**Ralph M. Hardgrove, Westfield, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey**
**Application December 20, 1934, Serial No. 758,384**
**4 Claims. (Cl. 110—28)**



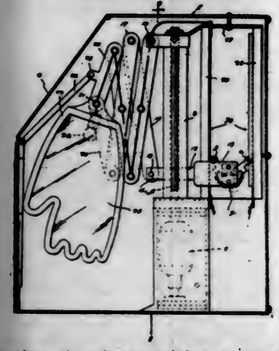
1. The method of burning pulverized fuel at temperatures above the fusion temperature of the slag-forming constituents of the fuel which comprises introducing the fuel and combustion air into a high temperature furnace chamber in a stream directed to pass through a flow path in the furnace chamber including a change in direction sufficient to cause coarse fuel particles to separate from the fuel stream and burning the fuel in suspension at furnace temperatures above the fusion temperature of the slag-forming constituents of the fuel, collecting slag particles separating from the fuel burning in suspension and maintaining a layer of slag in a molten condition in the furnace chamber, collecting the coarse fuel particles separated from the fuel stream in the furnace chamber separate from the layer of molten slag and out of the main flow path of the fuel stream, and utilizing a portion of the air introduced to effect oxidation of the separated fuel particles.

2,119,625
**SAFETY APPARATUS OF A DOOR CLOSER**
Masaichi Hasue, Toyono-gun, Osaka-fu, Japan, assignor to Nippon Kanagu Kabushiki Kwaisha, Osaka, Japan
Application June 3, 1936, Serial No. 83,340
In Japan June 14, 1935
3 Claims. (Cl. 16—59)



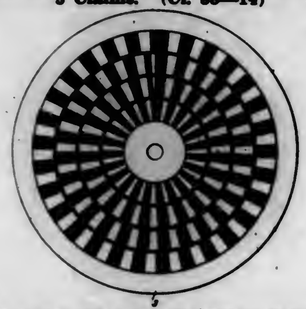
1. A door check of the kind referred to comprising a cylinder and a tubular piston movable therein, the said piston at one end thereof affording a seating for a check valve casing, which is adapted to be held in position by means of a spring operable also as a door closing force and is shaped to provide a seat for a check valve, closing of the door causing the piston to be moved in such a manner that the check valve is pressed against its seating, the check valve casing being lifted bodily from its seating against the action of the spring, if the fluid pressure rises to too great an extent.

2,119,626
**DIRECTION SIGNAL**
Roy Hollaway, Alta Loma, Calif.
Application December 19, 1933, Serial No. 703,117
1 Claim. (Cl. 177—327)



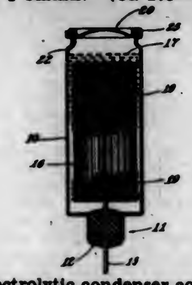
A direction signal comprising a semaphore, an illuminating element for the semaphore, a lazytong structure, means for securing the lazytong structure to the semaphore, a switch including a pair of spaced and opposed panels of insulating material, conductor strips disposed on the opposite sides of the panels and secured thereto, a contactor movable between said plates and in riding engagement with said strips, a block extending from the contactor and provided with a threaded bore, a motor, a screw shaft connected to and driven by the motor and threadedly disposed through the bore of the block for feeding said block and contactor, a support for one end of the shaft, said lazytong structure having one of its link members connected to the said block, a source of current connected to the strips on one of the panels, said illuminating element and motor being connected to the strips on the opposed panel.

2,119,627
**DEVICE FOR VERIFYING THE SPEED OF ROTATING SHAFTS**
Peter P. Krick, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application February 18, 1936, Serial No. 64,574
3 Claims. (Cl. 88—14)



1. In a device for determining speeds of rotation, the improvement which comprises in combination, a regularly pulsating light source and a rotatable member illuminated thereby, said member carrying at least one series of indicia of equal width regularly spaced along an arc around the center of rotation, the angular distance between the center lines of any two such regularly spaced successive indicia measured on the arc being a non-aliquot part of the circumference of the circle of which the arc forms a part, and the portion of the circle included in the arc being such that the equally spaced indicia will appear substantially stationary when rotated at the speed for which they are calculated, so that the device may determine speeds different from those determinable by similar devices in which the angular distance between the center lines of any two regularly spaced successive indicia divides into the circumference of the circle evenly to provide a whole number.

2,119,628
**ELECTROLYTIC DEVICE**
Preston Robinson, Williamstown, and Joseph L. Collins, North Adams, Mass., assignors to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts
Application July 9, 1936, Serial No. 89,820
4 Claims. (Cl. 175—315)



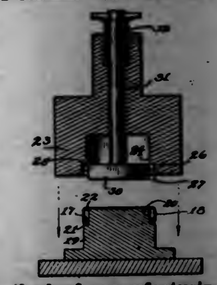
2. An electrolytic condenser comprising a filming electrode and another electrode, and an electrolyte having a pH less than 7, and a separator interposed between said electrodes, said separator consisting of glass fibres having a glass composition which is predominantly acid in its character, and an adhesive suitable to facilitate relative movement of glass fibres and which is not injurious to the electrolyte.



2,119,629
**CAOUTCHOUC-LIKE PRODUCTS AND A PROCESS OF PREPARING THEM**
Ludwig van Zütphen, Frankfort-on-the-Main-Hochst, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application May 7, 1935, Serial No. 20,999. In Germany May 9, 1934
2 Claims. (Cl. 260—6)

1. The process of preparing caoutchouc-like products which consists in subjecting to polymerization the compound produced by the addition of hydrochloric acid on vinyl-butadienyl-acetylene.

2,119,630
**METHOD OF MANUFACTURING CONTAINER CLOSURES**
John J. Williams, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application August 31, 1936, Serial No. 98,774
4 Claims. (Cl. 113—121)



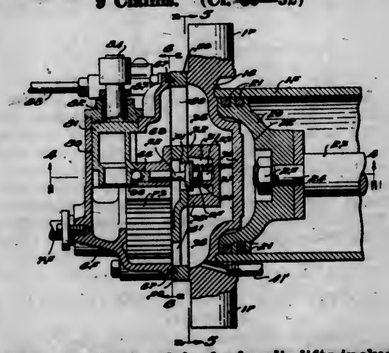
1. The method of manufacturing metal closures from a blank having a cylindrical skirt, which comprises curling inwardly the free edge of the skirt to form an incurled bead inwardly of the skirt, changing the relative position of the bead and skirt so that the bead projects outwardly of the skirt, and forming container engaging means in the skirt.

2,119,631
**MILK COOLER AND STORAGE CABINET**
Thomas Leonard Edwards, Peterborough, Ontario, Canada
Application January 5, 1935, Serial No. 546. Renewed September 4, 1937. In Canada March 19, 1934
2 Claims. (Cl. 62—141)



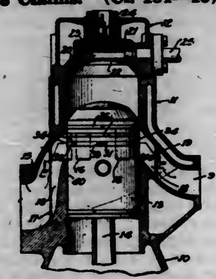
1. In a milk cooler and storage cabinet, a rectangular insulated casing having one section thereof forming a dry storage compartment and the other section forming a wet storage compartment, a non-insulated wall separating the compartments in said casing, a milk tank within said wet storage compartment and suitably supported and a baffle wall situated at one side of said tank connecting one of the tank walls to the compartment wall, and a circulator suitably mounted and operated adjacent to said baffle wall, refrigeration coils within said wet storage compartment and encircling said tank, a brine fluid contained within said wet storage compartment and adapted to be agitated by said circulator to form a continuous circulation throughout the wet storage compartment, a feed bowl connected to said milk tank, and entrances leading into said compartments and means for closing the entrances.

2,119,632
**HYDRAULIC LIFT**
Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc., a corporation of Michigan
Application March 30, 1936, Serial No. 71,598
9 Claims. (Cl. 60—52)



1. A pumping head for hydraulic lifts including a pump, a poppet valve for controlling communication between said pump and a hydraulic cylinder, a rotary control valve for by-passing fluid around said pump and means on said rotary control valve for unseating said poppet valve when said control valve is opened.

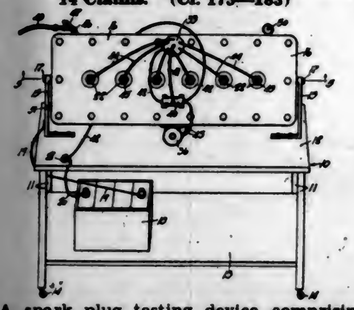
2,119,633
**INTERNAL-COMBUSTION ENGINE**
Herbert C. Edwards, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application August 12, 1935, Serial No. 35,823
8 Claims. (Cl. 184—18)



1. In an engine, the combination with a cylinder having annularly spaced ports through its

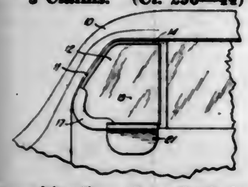
wall, and a piston in the cylinder having a peripheral ring groove therein, of a ring in said piston groove engaging said cylinder, said ring having slots therein arranged to pass along the cylinder wall surface intermediate the ports.

2,119,634
**SPARK PLUG TESTING DEVICE**
Charles Ferrel, Chicago, and Joseph G. Colling, Evanston, Ill.
Application July 1, 1937, Serial No. 151,352
14 Claims. (Cl. 175—183)



1. A spark plug testing device comprising a support, a housing pivoted to said support, said housing having a sealed firing chamber provided with a sight opening, means for supplying compressed air to said chamber, a spark plug carried by said housing with its electrodes in said chamber, and means carried by said pivoted housing for intermittently energizing said spark plug at predetermined intervals.

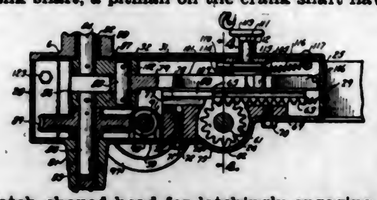
2,119,635
**PROTECTIVE DEVICE FOR VEHICLE WINDOWS**
Edward M. Griffith, Albany, N. Y.
Application December 16, 1936, Serial No. 116,138
3 Claims. (Cl. 296—44)



2. The combination of a vehicle body provided with a window opening, a window pivotally mounted in said window opening about a substantially vertical axis, a protective plate detachably secured at one edge to the lower edge and at least a portion of the forward edge of said window and extending outwardly away from said window, and a second plate detachably secured to the lower edge of said window and extending outwardly and downwardly therefrom.

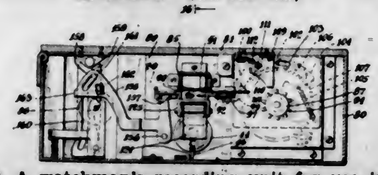
2,119,636
**WASHING MACHINE**
Lewis A. James, Independence, Kans.
Application June 8, 1936, Serial No. 84,115
5 Claims. (Cl. 74—78)

1. An apparatus for operably connecting the agitator of a washer with a prime mover including a transmission housing, a pinion in the housing having connection with the agitator, a reciprocating member meshing with the pinion, means for slidably retaining the reciprocating member in constant meshing relation with the pinion, a crank shaft rotatably mounted in the housing, means for connecting a prime mover with the crank shaft, a pitman on the crank shaft having



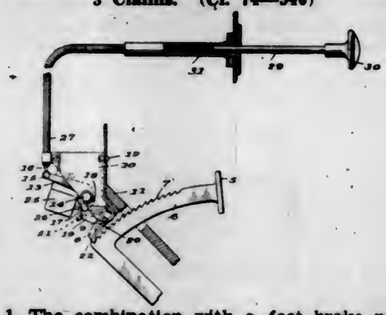
a latch shaped head for latchingly engaging the reciprocating member, and means for guidingly retaining the latch shaped head of the pitman in engagement with the reciprocating member including means for moving the pitman to and from latched engagement with said reciprocating member.

2,119,637
**WATCHMAN'S RECORDING SYSTEM**
Lesley Kennedy, Lake Forest, and Alois Beyer, Chicago, Ill., assignors to Detex Watchclock Corporation, New York, N. Y., a corporation of Delaware
Application September 11, 1935, Serial No. 40,082
12 Claims. (Cl. 234—39)



3. A watchman's recording unit for use in a multiple key watchman's time recording system, comprising a casing having an opening in a wall thereof for receiving a recording key, cover means for said casing, means in said casing for obstructing the entry of a recording key through said opening when said cover is open, and means operated by said cover for maintaining said obstructing means in a non-obstructing position when said cover is closed.

2,119,638
**PARKING BRAKE**
Godfried F. Klampferer, Dearborn, Mich.
Application March 17, 1936, Serial No. 69,284
3 Claims. (Cl. 74—540)

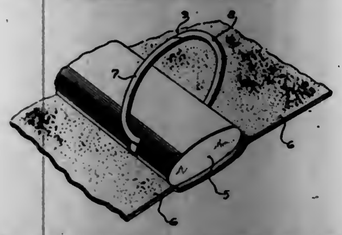


1. The combination with a foot brake pedal including a shank, of means for holding the brake



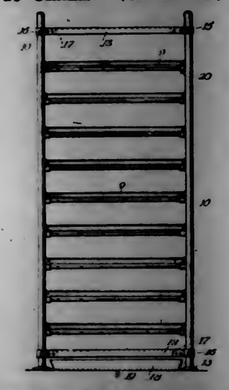
applied, said means including a pivoted dog for engagement with said shank to hold the latter depressed, a pivoted follower plate yieldably connected with said dog, a spring normally urging said dog out of engagement with said shank, and a manually controlled lever for moving said follower plate and dog to operative position against the tension of said spring.

2,119,639
**LOOSE LEAF BINDER**
Adolph G. Lotter, Milwaukee, Wis., assignor to Stationers Loose Leaf Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 23, 1936, Serial No. 117,368
4 Claims. (Cl. 129—1)



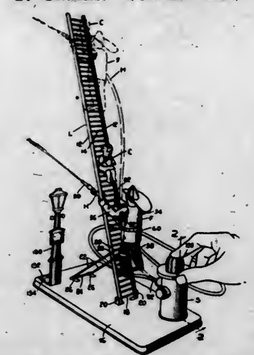
1. In a loose leaf binder: two impaling prongs; means for mounting the impaling prongs at one end in such a manner that their free ends are endwise engageable to form a closed loop; an interlocking connection between the free ends of the impaling prongs comprising, a bifurcation on the free end of each prong, said bifurcations being arranged at right angles to each other so that upon interengagement of the bifurcations the free ends of the impaling prongs are held against all relative motion except an endwise movement apart.

2,119,640
**APPARATUS FOR USE IN COOLING OFFAL**
Alvin O. Lundell, Chicago, Ill., assignor to The Allbright-Nell Co., Chicago, Ill., a corporation of Illinois
Application March 8, 1937, Serial No. 129,621
10 Claims. (Cl. 17—44)



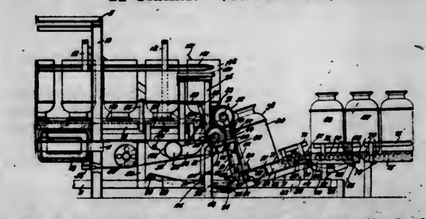
1. An apparatus adapted for use in cooling or storing offal and comprising a rack, a plurality of offal retaining pans of like size and shape carried by the rack so that they are disposed in vertically spaced and aligned relation and inclined in one direction and having drain holes in the lower corners thereof, and means attached to the lower portions of the pans and extending from one side of the pans to the other for deflecting the drainage so that it does not drop from one pan into a subjacent pan.

2,119,641
**TOY**
Louis Marx, New York, N. Y.
Application March 7, 1935, Serial No. 9,708
17 Claims. (Cl. 46—132)



1. A climbing figure toy comprising a ladder, a simulated fireman or other figure having a body, arms extending from said body toward said ladder and slidable therealong, legs movably mounted near the lower end of the body and having feet adapted to be moved between the rungs of the ladder, a motor in the body of said fireman connected to said legs, the resulting movement of the feet causing the fireman to climb upwardly on the ladder, and inwardly notched stops formed on the ladder near the upper end thereof to stop the fireman at the top of the ladder, said stops forming no obstruction to sliding of the fireman onto the ladder over the top end thereof.

2,119,642
**RECEPTACLE INVERTING MECHANISM**
John M. McClatchie, Middletown, N. Y., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
Application August 8, 1936, Serial No. 94,906
11 Claims. (Cl. 214—1.1)

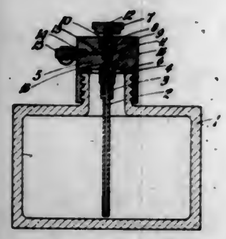


6. In a machine of the character described, the combination with a can transporting carriage having an upward, forward, downward and backward movement, of a can inverting mechanism comprising, a can runway tilted toward the can transporting carriage so that the cans travel by gravity toward it, a can receiving platform, an

oscillatory cradle arranged to remove a can from the platform and swing it upwardly into upside down position, means connected with the carriage for swinging the cradle into can inverting position, means for returning the cradle to initial position, and means actuated from the carriage for controlling the passage of cans onto the platform.

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2,119,643
**PRESSURE-OPERATED DIFFUSER OF TOILET-LIQUIDS**
Viktor Mendl, Prague, Czechoslovakia
Application November 5, 1935, Serial No. 48,345
In Czechoslovakia November 7, 1934
1 Claim. (Cl. 299—95)

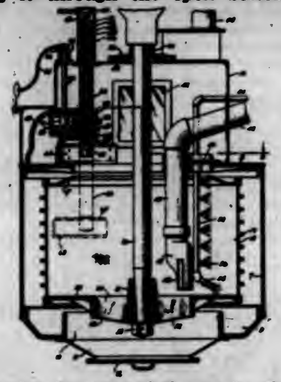


Means for spraying scents comprising a receptacle containing the liquid scent and a gaseous pressure medium, a closure cap on said receptacle, a dispersion nozzle in said cap, a mixing space in said cap, a restricted conduit connecting the lower part of the interior of the receptacle to said mixing space, a number of restricted passages connecting the space in the receptacle charged with gaseous pressure medium to said mixing space, a valve in said mixing space, a valve seating common to the outlet ends of said restricted conduit and passages, said restricted passages being oblique in relation to the axis of travel of the liquid from said conduit to said mixing space, and means for operating said valve to adjust said valve to simultaneously connect said conduit and passages to said mixing space and also to connect said dispersion nozzle to said space, said valve and the means operating it comprising a screw with a conical valve head normally seated in the upper or outlet ends of said conduit and passages, a substantially axial bore extending along said screw to the top of the screw from a lateral opening above the conical head or end, and a threaded closure member in the top of said bore.

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2,119,644
**CENTRIFUGAL EXTRACTOR AND CENTRIFUGAL METHOD**
Edward L. Miller, Troy, N. Y., assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application October 10, 1935, Serial No. 44,342
10 Claims. (Cl. 210—70)

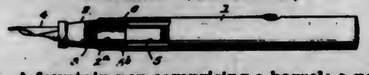
1. A centrifugal extractor including in combination an open bottom casing, a shaft, a basket within the casing and mounted on the shaft and having an open bottom, a fume proof hood closing the top of the casing, means for supplying the material to be extracted within the basket and hood, and an unloader and actuating means therefor located above the casing and within the hood and operable from without the casing and hood for dislodging the dried material and discharging it through the open bottom of the



basket and a fume proof closure for the bottom of the casing.

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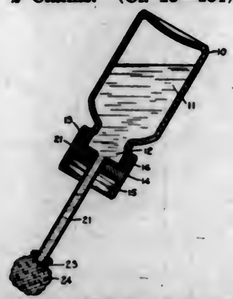
2,119,645
**FOUNTAIN PEN**
Eric G. Pearson, Roselle, N. J.
Application June 29, 1936, Serial No. 87,982
4 Claims. (Cl. 120—42)



1. A fountain pen comprising a barrel; a point-supporting section having a reduced portion, of uniform diameter, arranged within said barrel; an ink-sack fitted upon said reduced portion; and a diagonally split member surrounding said reduced portion and the sack thereabout and adapted to be compressed by insertion within said barrel to clamp said sack upon said reduced portion, said split member also serving to frictionally retain said section in said barrel.

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2,119,646
**DEVICE FOR APPLYING DYE AND OTHER LIQUIDS FROM CONTAINERS**
Frank Fidel, Yonkers, N. Y.
Application October 24, 1936, Serial No. 107,382
2 Claims. (Cl. 15—134)



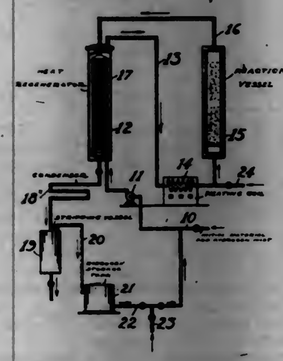
1. In an improved device for applying liquids from a container, the combination of a closure cap for said container, a tubular member having one end extending through the closure cap, projections formed integral with the tubular member at the end which extends through the closure cap and with said projections embedded in the material of the cap whereby the tubular member



is rigidly held in association with the cap, and a swab secured to the outer portion of the other end of the tubular member.

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2,119,647
**PRODUCTION OF VALUABLE HYDROCARBONS**
Mathias Pier, Heidelberg, and Walter Simon, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware
Application July 26, 1935, Serial No. 33,262
In Germany September 4, 1934
4 Claims. (Cl. 196—53)

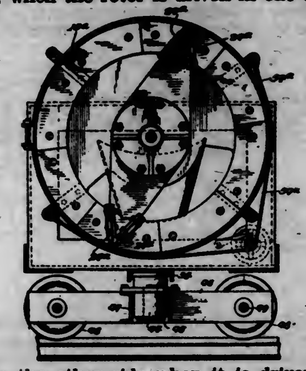


4. A process for the production of valuable hydrocarbons by treatment of distillable carbonaceous materials at a temperature between 250° and 700° C. with at least 100 cubic meters per 1000 kilograms of carbonaceous material of a gas containing hydrogen under a pressure between atmospheric pressure and 1000 atmospheres which comprises subjecting the said distillable carbonaceous material to the said treatment at the said elevated temperatures in the presence of the catalytic composition prepared by pretreating substances selected from the group consisting of manganese, iron, nickel, cobalt and compounds of these metals with an alkaline reacting substance in amounts of 0.1–1.5 per cent (calculated on the initial material) and adding thereto 0.1–5 per cent (calculated on the initial carbonaceous material) of a substance selected from the group consisting of halogens, acids and substances furnishing a halogen or an acid under the working conditions.

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2,119,648
**APPARATUS FOR MAKING CONCRETE STRUCTURES**
Walter F. Piper, Oak Park, Ill., assignor to The Beardsley & Piper Company, Chicago, Ill., a corporation of Illinois
Application June 29, 1935, Serial No. 29,112
8 Claims. (Cl. 198—128)

5. In a rotary concrete slinger, the combination of a casing provided with a peripheral discharge opening, a rotor in the casing provided with oppositely facing means for respectively lifting and projecting concrete in opposite directions, means for driving the rotor in either direction to correspondingly project the concrete, and means for variably positioning the discharge-opening so the concrete will be discharged to one side of the casing when the rotor is driven in one direction



and to the other side when it is driven in the opposite direction.

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2,119,649
**SOUND PRODUCER**
Rudolf Rossen, Cologne, Germany
Application December 23, 1935, Serial No. 55,893
In Germany January 8, 1935
1 Claim. (Cl. 128—2)



An apparatus for generating acoustic waves within the abdominal and pelvic cavities, comprising an electric sound producer, a casing enclosing said sound producer, a sound tube communicating with said casing and adapted for insertion into the rectum, a second casing enclosing the first-mentioned casing and forming a vacuum space around it, and means for supplying current through the casings to said sound producer.

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2,119,650
**MOTOR VEHICLE BRAKE**
Peter F. Rossmann, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application January 10, 1935, Serial No. 1,262
11 Claims. (Cl. 188—152)

1. In an actuator mechanism, a rigid casing having three aligned and separated chambers therein, means in the casing forming a passage adapted to open to the three separated chambers, a fixed piston in one end chamber, fluid actuated

means operable to create physical reaction in the intermediate chamber, a valve movable a limited extent in the other end chamber, fluid pressure



means leading to the valve chamber, said valve shutting off or allowing the passage of fluid in the passage, and physically operable means connected to actuate said casing.

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2,119,651

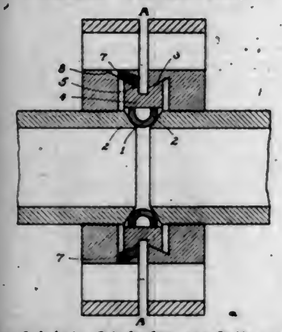
**FLANGED JOINT OF TUBULAR CONDUITS**

Julius Schiereabeck, Heidelberg, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application February 9, 1937, Serial No. 124,806

In Germany February 13, 1936

7 Claims. (Cl. 285—131)



1. Flanged joint of tubular conduits consisting of a steel packing ring, the faces of which are pressed from the outside against the slopingly turned ends of the conduits to be joined by means of connecting wedges which are divided in ring segments and provided with wedge-shaped grooves cut in their outer surface whereby the wedge surfaces are less sloped to the axis of the conduits than the slopingly turned ends of the conduits, and pressed between the outer periphery of the said packing ring and the correspondingly turned wedge surfaces of the connecting flanges by drawing together the flange connecting bolts.

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2,119,652

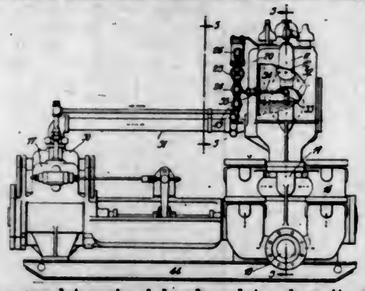
**FEED WATER HEATER**

John M. Shimer, Dallas, Tex., assignor to Oil Well Supply Company, Dallas, Tex., a corporation of New Jersey

Application July 11, 1935, Serial No. 30,909

1 Claim. (Cl. 261—34)

Apparatus for supplying heated water which comprises a feedwater heater having a steam admission pipe, a steam actuated cold water pump for pumping cold water into the heater, means to divide said cold water as it enters said heater into intimate contact with steam admitted thereinto to heat said water, a steam actuated hot water pump for pumping hot water from the heater, each pump having a steam cylinder and a pumping cylinder, manually actuated means for controlling the admission of steam to the steam cylinder of the hot water pump, means separate and individual of said manual means for controlling the steam supply to the steam cylinder of the cold water pump, said means comprising a steam supply valve subject continuously to full pressure steam, a float in said feedwater heater to open said valve when the water level therein falls below a predetermined level and to close it when the water level rises above a predetermined level, and a manually actuated throttle connected in parallel to said float operated valve for independent and conjunctive control of the admission of steam to the steam end of said cold water pump cylinder.



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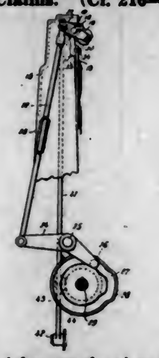
2,119,653

**CONTAINER LABELING MECHANISM**

Charles Schmutzer, Irvington, N. J., assignor to Hoffman Beverage Company, Newark, N. J., a corporation of New Jersey

Application December 31, 1936, Serial No. 118,446

17 Claims. (Cl. 216—54)



1. In a label picker mechanism having a picker reciprocating laterally along an oscillating shaft, the combination of means for stabilizing the movement of the picker including a guide substantially parallel to said shaft and oscillating therewith, and a connection between said picker and said guide, whereby the picker reciprocates jointly along said shaft and guide.

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2,119,654

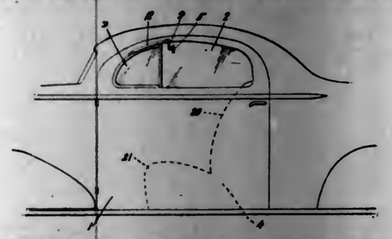
**REAR VIEW MIRROR**

Porter R. Stone, Detroit, Mich.

Application February 20, 1936, Serial No. 64,819

1 Claim. (Cl. 88—93)

In combination with an automobile having a vehicle body with a window opening, a glass for closing the window opening inset from the outer edge of the vehicle body and a seat positioned within the body alongside the window opening, a rear view mirror, bracket means attached to the vehicle body at the upper horizontal edge of the window opening and attached to said mirror for positioning the mirror on the outside of the glass in a predetermined area below the top edge and above the bottom edge of the window opening and between the approximate vertical planes of the front face of the seat bottom and the front face of the seat back, the said bracket means be-



ing adapted for positioning the mirror with at least a portion of the mirror in the inset between the window glass and the outer edge of the body whereby the rear view mirror is positioned to one side and slightly forward but close to the eyes of the person occupying the said seat and therefore does not obstruct the front view of the said person and gives a rear view equal in scope to that of a larger mirror positioned forwardly of the above described area.

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2,119,655

**BUS BODY CONSTRUCTION**

William B. Stout, Detroit, Mich., assignor to Gar Wood Industries, Inc., a corporation of Michigan

Application August 19, 1936, Serial No. 96,851

2 Claims. (Cl. 296—28)



1. A bus body frame construction comprising a pair of longitudinally extending truss-like frameworks, each of said frameworks including at least three longitudinally extending members disposed in substantially parallel relation, vertically extending members interconnecting a pair of said longitudinal members, upper sets of more than two transversely extending members serving to interconnect said longitudinally extending members, corresponding lower sets of transversely extending members serving further to interconnect said longitudinally extending members, all of said members in each framework being welded together to provide a rigid unitary structure, said frameworks being disposed in substantially spaced parallel relation, brace members interconnecting said frameworks and disposed in the same general plane as said lower set of transversely extending members to provide an aisle supporting structure located between said frameworks, and additional longitudinally extending members secured to said frameworks at the rear thereof whereby to provide means for mounting a motor therebetween.



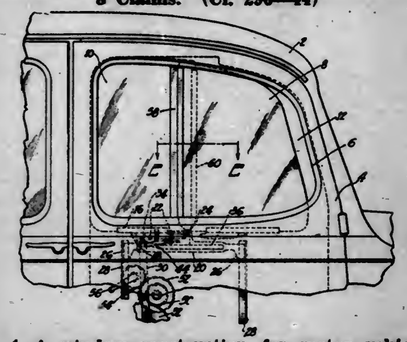
2,119,656

**MOTOR VEHICLE**

Milton Tibbetts, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application April 20, 1934, Serial No. 721,415

3 Claims. (Cl. 296—44)



4. A window construction for motor vehicle bodies comprising two window sections, and operating mechanisms associated with said window sections, actuation of such mechanisms moving the sections independently either vertically or in opposite directions longitudinally of the body.

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2,119,657

**METHOD OF TREATING LIQUID EGG WHITES**

Samuel Tranin, Kansas City, Mo.

No Drawing. Application February 5, 1937, Serial No. 124,241

6 Claims. (Cl. 99—113)

1. The method of reclaiming contaminated liquid egg including subjecting the liquid egg to the filtering action of a filtering gelatine solution to effect separation of contaminating matter, treating the liquid egg with a chlorine solution for sterilization of the liquid egg, and removing the separated matter from the liquid egg.

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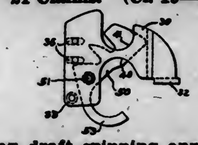
2,119,658

**GUIDING DEVICE FOR LONG DRAFT APRONS**

James L. Truslow, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts

Application July 17, 1933, Serial No. 680,692

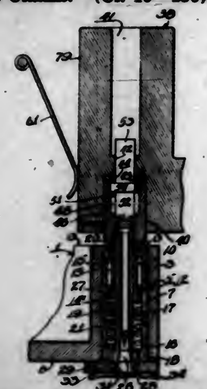
21 Claims. (Cl. 19—131)



5. In long draft spinning apparatus, top and bottom endless draft aprons, a pair of back rolls feeding roving to said aprons, and a roving-deflecting table located beneath the delivery side of the back rolls in position to receive a broken end emerging or drooping therefrom and guide it into contact with the bottom apron.

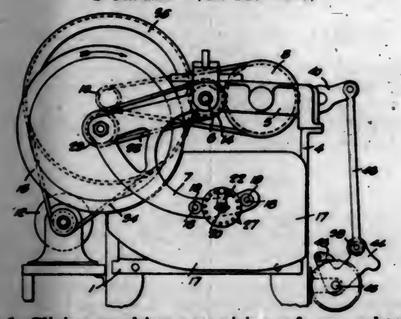
8. A cradle for long-draft spinning aprons comprising a frame shaped to receive the top and bottom draft rolls, and a movable latch member permanently attached to said frame and movble thereon to lock the frame to the bottom roll.

2,119,659
**APPARATUS FOR CAPPING NAILS**
John M. Upton, Chicago, Ill., assignor to Flinkle Lead Head Nail Company, Inc., Chicago, Ill., a corporation of Illinois
Application December 16, 1935, Serial No. 54,542
15 Claims. (Cl. 10—156)



1. In a machine for capping nails and other fastening elements, a male die formed to support a blank element, a female die cooperative therewith to press capping material onto the element, said female die having a peripheral wall to which the capped element may cling upon separation of said dies, means for releasing the capped element from the female die and auxiliary means for ejecting from the male die any capped element not separated from the male die by the female die.

2,119,660
**SLICING MACHINE**
Ernest Vernon Varley, Norbury, London, England, assignor to Merridale Trust Limited, London, England
Application September 22, 1936, Serial No. 101,971
In Great Britain September 30, 1935
4 Claims. (Cl. 146—103)



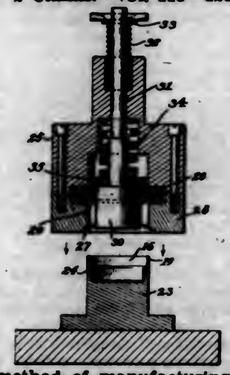
1. Slicing machine comprising a frame, a beam oscillatable thereon, a rotary disc knife and a locating plate carried by said beam, said locating plate being parallel with the plane of the knife and located close to and extending beyond the part of the peripheral track of the knife which engages and cuts the meat or the like, a carriage for the meat or the like opposed to one face of said plate, driving means common to said blade and beam for rotating the former and oscillating the latter simultaneously, means for transferring the drive to feeding mechanism for automatically feeding said carriage towards said locating plate by a progression of movements, means for varying the space between the cutting plane of the knife and the plane of said locating plate to vary the thickness of the slices, and means for correspondingly adjusting the amount of each said movement of said carriage towards said locating plate.

2,119,661
**ROTARY DRAG BIT**
Joseph J. Whalen, Oklahoma City, Okla.
Application March 8, 1937, Serial No. 129,603
6 Claims. (Cl. 255—61)



1. A device of the class described comprising: an elongated bit body; a pair of pulleys rotatably mounted on said body; a cutter composed of a plurality of links fastened together to form an endless chain, each link having a plurality of cutting teeth thereon; said cutter adapted to be moved over said pulleys; ratchet operated gear and sprocket means for moving said cutter over said pulleys and also for locking it against movement over said pulleys; and power means carried by the body for operating and controlling said last mentioned means.

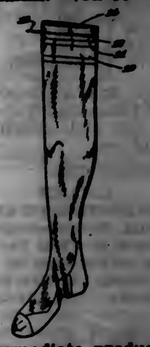
2,119,662
**METHOD OF MANUFACTURING CONTAINER CLOSURES**
John J. Williams, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application September 3, 1936, Serial No. 99,312
2 Claims. (Cl. 113—121)



1. The method of manufacturing single shell metal closures with an incurled bead, which comprises drawing in a single step a blank with a top and a plain cylindrical skirt portion and an enlarged plain cylindrical skirt portion below the first-mentioned portion, then curling the lower enlarged cylindrical portion into an incurled bead, and forming container engaging means in the upper cylindrical skirt portion.



2,119,663
**FULL FASHIONED HOSIERY**
John M. Botts, Jenkintown, Pa.
Application July 15, 1936, Serial No. 90,634
8 Claims. (Cl. 66—172)



1. As an intermediate product in the manufacture of full-fashioned hosiery, a blank comprising in the order named, a plurality of cotton ravel-off courses, a plurality of courses of loops of silk yarn at least one course of silk picot loops, and a plurality of silken courses constituting a narrow band, and said silken courses being followed by a portion of cotton yarn, and said last-named portion together with said silken courses corresponding to the welt of an ordinary stocking, but being of single layer construction, and said portion corresponding to the welt being followed by a leg and a foot portion of silk.

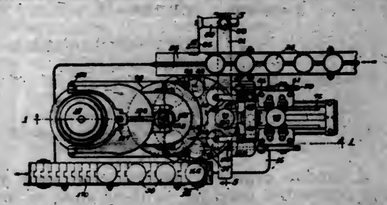
2,119,664
**CANAL AND ROAD SUBGRADER**
Vincent Bressi and Nicholas F. Jahn, Beverly Hills, Calif.
Application May 14, 1935, Serial No. 21,370
5 Claims. (Cl. 37—102)



4. In a subgrader for a canal having inclined sides and shoulders at the top of the inclined sides, a carriage having wheels adapted to ride on the shoulders, scrapers on the carriage, one for each inclined side, each scraper extending diagonally from the top of the inclined side backwardly to the bottom thereof, elevator means for raising accumulated dirt from the lower end of each scraper, and conveyor means for conveying the dirt from the elevator means beyond the inclined sides.

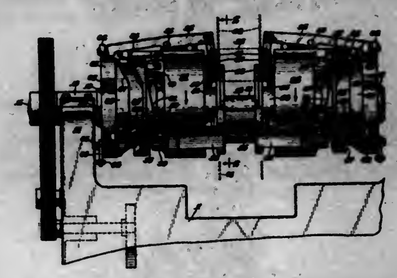
2,119,665
**WORK FEEDING APPARATUS**
William Cameron, Chicago, Ill., assignor to Cameron Can Machinery Co., Chicago, Ill., a corporation of Illinois
Application May 19, 1934, Serial No. 726,445
7 Claims. (Cl. 113—114)

1. In a can closing machine, the combination of a spider adapted to receive can bodies, a continuously operating conveyor, a pusher movable transversely of the conveyor, a can chuck movable vertically toward and from said spider, and means operating said pusher and said chuck in such



timed relation that a can body is moved from the conveyor through a curved path onto said chuck while still traveling with the conveyor and is moved upwardly by the chuck through a curved path while it is still being moved transversely by the pusher.

2,119,666
**CAN BODY FLANGER**
Allan M. Cameron, Oak Park, Ill., assignor to Cameron Can Machinery Co., Chicago, Ill., a corporation of Illinois
Application April 8, 1936, Serial No. 73,190
4 Claims. (Cl. 153—25)



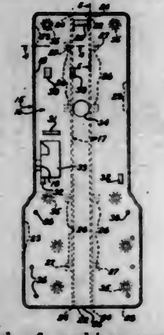
4. In a can body flanger the combination of a rotatable shaft, a pair of heads splined thereon in spaced relation and provided with a plurality of separable can body holding dies comprising movable sections, a cam block positioned at the outer end of each head, means for holding said cam blocks against rotation, means whereby said heads and cam blocks may be adjusted longitudinally of said shaft, a reciprocable flanging die for each holding die, a lever carrying the movable section of each holding die, cams formed on said blocks for actuating said flanging dies in succession and for actuating the movable sections of said holding dies in succession, a passage through said cam block communicating at one end with a source of fluid under pressure and terminating at the other end in a port located in a face of the block forming a stationary valve seat, a rotatable valve member engaging said seat and provided with a plurality of passages adapted to register successively with said port, each of said flanging dies being provided with a passage therethrough, and conduits connecting the valve member passages with the respective flanging die passages, whereby fluid under pressure is admitted to each can body to prevent deformation thereof during the flanging operation thereon.

2,119,667
**CLOSURE FRAME**
Orley J. Crowe, Detroit, Mich., assignor to Herron-Zimmers Molding Company, Detroit, Mich., a corporation of Illinois
Application October 8, 1936, Serial No. 104,657
5 Claims. (Cl. 189—75)



1. A window frame structure comprising elements connected together at their ends to form the frame outline, each of said elements being formed of a sheet metal member having an outwardly disposed flange along one edge, and an inwardly disposed flange along the other edge, said inwardly disposed flange being formed with adjacent and oppositely facing channels, said channels having a common wall.

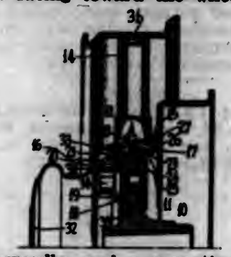
2,119,668
**METHOD OF MANUFACTURING COMPOSITE METAL**
Valentine H. Dupré, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 7, 1935, Serial No. 25,385
8 Claims. (Cl. 29—148.2)



1. The method of making composite metal mounting plates for coin collectors or the like comprising shaping a perforated metal strip into a frame of the desired contour for the mounting plate, placing the frame in a die, and then injecting molten die casting metal into the die cavity and within the inner periphery of the frame and into the perforations provided in the frame to interlock the frame to the cast portion.

2,119,669
**VEHICLE WHEEL**
Caroline L. Ehsergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 17, 1931, Serial No. 530,742
16 Claims. (Cl. 301—9)

16. A pressed metal artillery wheel comprising, in combination, a main body consisting of integral hollow spoke and nave portions having spaced apart side walls, the space between said walls opening radially inwardly, one of said side walls being turned axially away from the wheel plane at its inner radial extremity to form a flange, and the other being formed with an angular seat facing toward the wheel plane and
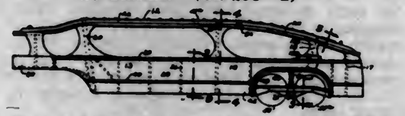


radially inwardly, and a mounting plate telescoping with said flange and fitting into the angle formed by said seat and secured to said flange and adjacent said seat.

2,119,670
**PAPER REGISTERING CONTROL**
Alan S. Fitz Gerald, Wynnewood, Pa., assignor of one-half to Frank H. Fleer Corporation, Philadelphia, Pa., a corporation of Delaware
Application September 19, 1936, Serial No. 101,599
7 Claims. (Cl. 271—2.6)



1. A web feeding control comprising means including a friction member and a driving member for feeding a web of material between said members step by step past a given point, said web having index marks thereon, manually controlled means operable while the web is feeding for varying the pressure of said friction member to cause said web to vary its position until said index marks come into register with said given point, and automatic means for maintaining said registered condition.

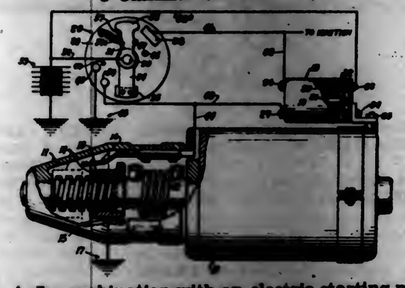
2,119,671
**VEHICLE BODY**
Lynn M. Francis, Birmingham, Mich., assignor to Mechanical Handling Systems, Inc., Detroit, Mich., a corporation of Michigan
Application December 16, 1936, Serial No. 116,057
20 Claims. (Cl. 296—1)



1. In a vehicle for transporting a plurality of fully assembled automobiles, a pair of side frame members extending longitudinally of said vehicle; vertical members forming a part of said side frame members and having their lower ends turned inwardly, and longitudinally extending track members connected with the inwardly turned ends of said vertical members to form a deck for supporting fully assembled automobiles.

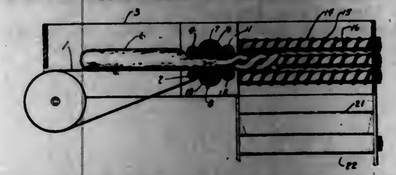


2,119,672
**MEANS FOR CONTROLLING THE STARTING OF INTERNAL COMBUSTION ENGINES**
Roy G. Fulcher and William T. Carle, Chicago, Ill., assignors to Mary Baker Fulcher, Chicago, Ill.
Application February 4, 1937, Serial No. 123,968
5 Claims. (Cl. 290—38)



4. In combination with an electric starting motor for an engine, an ignition circuit for said engine, a circuit for the starting motor, electromagnetic means for controlling said starting motor circuit, a third circuit capable of being grounded at a plurality of points so as to energize said electromagnetic means, manually operative means for closing the ignition circuit and for momentarily closing said third circuit by grounding the same at one of said points so as to energize said electromagnetic means to close said starting motor circuit, said manually operable means being formed for operation requiring closing of the ignition circuit in order to complete said third circuit, means actuated by said motor when energized for grounding said third circuit at the other of said points before said first mentioned ground connection for said third circuit is broken, said starting motor, when driven by the started engine operating automatically to break said second ground connection made therethrough to open said third circuit and de-energize said electromagnetic means.

2,119,673
**LOAF-FORMING MACHINE**
Elmer F. Gielow, Kohler, Wis.
Application November 21, 1935, Serial No. 50,818
10 Claims. (Cl. 107—8)

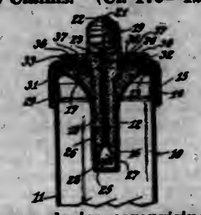


1. In combination, in a dough forming machine, a conveyor, a pair of flattening rolls adjacent said conveyor and adapted to cause the flattening of loaves of dough passed therebetween, said conveyor being adapted to cause loaves of dough placed thereon to be passed between said rolls, a pair of forming rolls adapted to receive said loaf from said flattening rolls and to form the same into a plurality of juxtaposed approximately cylindrical portions, a pair of feeding rolls adapted to receive said portions from said forming rolls, said flattening, forming and feeding rolls operating conjointly to feed said loaves toward and into twisting mechanism, means for actuating said rolls, said means being adapted to drive the circumferences of said forming rolls at greater speed than the circumferences of said flattening rolls and the circumferences of said feeding rolls at greater speed than the circumferences of said forming rolls, said twisting mechanism comprising a plurality of twisting rolls arranged at equidistant intervals about the circumference of a circle, the center point of which approximates the point of discharge of the loaf portions from said feeding rolls, each of said twisting rolls being provided with a helical land adapted to engage said loaf portions, said land being notched at intervals to form teeth and means for revolving said twisting rolls.

2,119,674
**PRODUCTION OF GLYCOLS AND THEIR ESTERS FROM FATTY ACIDS**
Adolf Grün, Basel, Switzerland, assignor to American Hyalsol Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 22, 1935, Serial No. 46,121. In Germany October 31, 1934
9 Claims. (Cl. 260—166)

1. The process of preparing neutral oxygen-containing derivatives of hydrocarbons of high molecular weight which comprises oxidizing a saturated fatty acid having at least 8 carbon atoms by subjecting such acid while admixed with a sulfonation agent selected from the group consisting of sulfuric acid and fuming sulfuric acid to the action of a persulfate.

2,119,675
**SODIUM LAMP**
Daniel S. Gustin, Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 31, 1936, Serial No. 61,636
5 Claims. (Cl. 176—126)

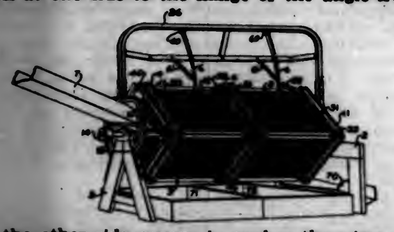


1. A discharge device comprising a bulb open at one end, an electrode extending into said bulb and having one end sealed to the end of the bulb to provide a closure, and a removable heater element threadably connected to said electrode, said element comprising a metal shell partly filled with insulative material to leave a cavity and a heating device in said cavity.

2,119,676
**TROMMEL**
Richard D. Heller, Boise, Idaho
Application May 28, 1934, Serial No. 727,897
7 Claims. (Cl. 209—288)

2. A trommel comprising a shaft, a plurality of spiders carried by said shaft, a plurality of angle-irons each extending from an arm of one spider to the corresponding arm of another, lengthwise of the shaft, and disposed with the angle towards the shaft, cross bars connecting

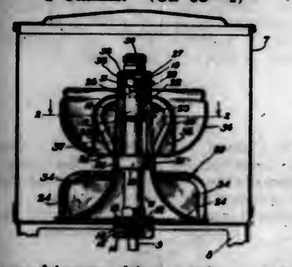
the ends of the angle-irons, to define a plurality of planiform faces, a plurality of closely spaced wires extending lengthwise of each such face, and filling the space between the flange of the angle-iron at one side to the flange of the angle-iron



at the other side, means to anchor the wires at one end to the cross-bar at that end, and spring means to apply equal tension to all the wires, connecting the wires and the cross bar at the opposite end.

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**2,119,677**
**WASHING MACHINE**
**Arthur H. Labisky, Barton, Wis., assignor to The Barton Corporation, West Bend, Wis., a corporation of Wisconsin**
**Application July 13, 1935, Serial No. 31,156**
**4 Claims. (Cl. 68—4)**



1. In a washing machine, a tub, an agitator extending into the tub from the bottom thereof and having agitating means thereon at the lower end thereof for imparting cleansing movement to liquid in the tub, said tub being filled well above said agitating means, supporting means on said agitator near the upper end thereof, a member providing a compartment and having portions thereon adapted to embrace said supporting means to connect said member to said agitator, said member being spaced from and independent of the agitating means and having openings therein through which liquid in the tub may pass into the compartment whereby certain articles of clothing or the like may be washed in the liquid in the compartment out of contact with other articles of clothing or the like being washed in the liquid in the tub, and means on said member for imparting cleansing movement to the liquid in the compartment.

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**2,119,678**
**SHAFT COUPLING**
**Walther Lindner, Munich, Germany**
**Application April 22, 1936, Serial No. 75,837**
**In Germany May 2, 1935**
**5 Claims. (Cl. 64—15)**

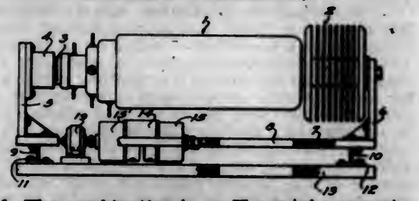
1. In a coupling device, the combination with an inner coupling unit, of an outer coupling unit surrounding the inner one in spaced relation thereto, recesses of relatively small depth formed in both coupling units in registration with each other so as to present pairs of curved roller tracks opposed and complementary to each other as to their wedging action, and resilient, rounded, in-



termediary coupling elements, engaging said roller tracks at relatively narrow lines of contact so as to truly roll thereon in circumferential direction, and to positively interengage by compression resistance said coupling units.

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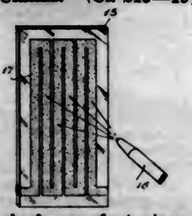
**2,119,679**
**X-RAY TUBE**
**Charles V. Litton, San Mateo County, Calif.**
**Application May 29, 1936, Serial No. 82,470**
**15 Claims. (Cl. 250—35)**



1. The combination in an X-ray tube comprising a target, a cathode and focusing means, of means for cyclically deflecting the cathode beam thereby causing the focal-spot cyclically to scan the target, and means for cyclically moving the target isochronously with the cyclical scanning movement of the focal-spot whereby to maintain the focal-spot substantially stationary in space.

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**2,119,680**
**METHOD AND MEANS FOR THE MANUFACTURE OF ELECTRICAL RESISTANCES**
**Bernard Long, Paris, France, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France**
**Application June 14, 1935, Serial No. 26,560**
**In France June 14, 1934**
**17 Claims. (Cl. 219—19)**



1. The method of manufacturing electrical resistances, which comprises tempering a glass surface and projecting a jet of gas carrying particles of a molten and pulverized conducting metal upon said tempered glass surface and depositing said particles in the form of a continuous strip which is adapted to be heated by an electrical current.



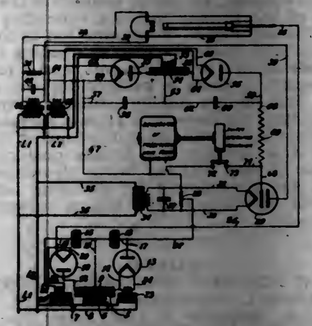
**2,119,681**
**CEMENTLESS BASE FOR INCANDESCENT LAMPS**
**Michael E. McGowan, Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania**
**Application December 21, 1935, Serial No. 55,520**
**5 Claims. (Cl. 176—32)**



1. An electrical device comprising a bulb having a neck terminating in a generally cylindrical reduced end portion forming a flat annular shoulder with said neck, a slot indented in the outer surface of said end portion and extending generally parallel to the axis of said bulb, another indented slot, spaced from said first mentioned slot and extending circumferentially with respect to said end portion, and a tubular metallic screw-threaded base closely fitting the reduced end portion of said neck, said base having a plain portion with a portion struck therefrom and fitting in said first mentioned slot to prevent relative rotation between said base and bulb, and another portion struck inward therefrom and fitting in said circumferentially extending slot to prevent relative axial movement between said base and bulb, the edge of said base engaging said shoulder, and the outer end of said reduced portion being restricted sufficiently to fit the inner surface of the threads on said base.

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**2,119,682**
**SYSTEM FOR PRODUCING X-RAY POTENTIAL HAVING PREDETERMINED WAVE FORM**
**Montford Morrison, Montclair, N. J., assignor to Westinghouse X-Ray Company Inc., a corporation of Delaware**
**Application April 29, 1933, Serial No. 668,505**
**13 Claims. (Cl. 250—34)**



1. The method of producing X-rays of predetermined characteristics in a circuit including an X-ray tube and a source of high potential rectified alternating current energy entirely free of sinusoidal modulation, which consists in modulating the wave form of the potential of the original source in a preselected manner and applying this modulated high potential across the terminals of the X-ray tube.

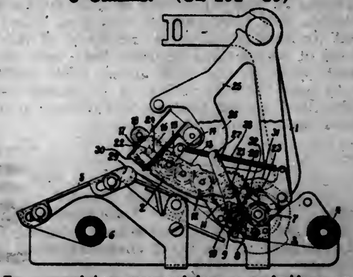
**2,119,683**
**ROTARY CUTTER**
**Louis J. Nevraumont, Modesto, Calif.**
**Application May 15, 1936, Serial No. 79,875**
**5 Claims. (Cl. 30—43)**



3. A cutter comprising a stationary disc, a rotary disc cooperating therewith and disposed under the same, cooperating teeth about the periphery of the discs and a guard skirt depending from the stationary disc outwardly of the rotary disc; said skirt having slots merging with the spaces between the teeth of the stationary disc, said slots terminating short of the outer edge of the skirt.

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**2,119,684**
**REGISTER**
**William L. Paden and Oliver G. Saunders, Dayton, Ohio, assignors, by mesne assignments, to Central National Bank of Cleveland, Cleveland, Ohio, as trustee**
**Application November 7, 1934, Serial No. 751,868**
**8 Claims. (Cl. 101—89)**



1. In a register comprising a printing counter to print consecutive numbers on a record and an impression taking device cooperating with said counter; a movable support for said counter, means for actuating said support to move said counter to an inoperative position with relation to said impression taking device, and means operating upon each operation of said register to advance said counter one step when said counter is in either its operative position or its inoperative position.

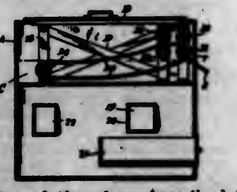
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**2,119,685**
**GLAZING STRIP**
**Edmund Peremi and Louis Toth, Manhasset, N. Y.**
**Application June 3, 1936, Serial No. 83,207**
**14 Claims. (Cl. 189—78)**



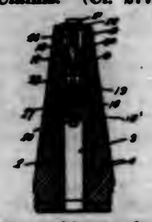
13. In a light, the combination with a pane, of a frame of non-corrosive unpainted metal defining a seat for the pane and a putty channel engaging and surrounding the pane edges, putty in the channel and a putty cover composed of thin unpainted flexible strips of non-corrosive metal held in interlocking relation with the frame for concealing the putty and protecting it from the elements.

2,119,686
**RINSING AND WRINGING MACHINE**
Rudolph Pribyl, Salt Lake City, Utah
Application June 25, 1935, Serial No. 28,292
1 Claim. (Cl. 15—262)



In a device of the class described the combination of a casing; fluid carried in said casing to a predetermined level; a framework mounted in said casing to be removed when desired, for cleaning the casing; two sets of rollers mounted in pairs at one end of said framework adjacent an opening in said casing with one of each pair in vertical juxtaposition to the other and with spring pressure to hold the respective top rollers into frictional contact with the respective lower rollers; another roller mounted at the rear of said casing in the other end of said framework; an endless belt mounted on said last roller and carried forward up around the front of the forward set of rollers and between both sets of rollers and back to the first roller with sufficient slack in said belt to allow it to droop mostly into the fluid in said casing; and means to rotate the front set of rollers.

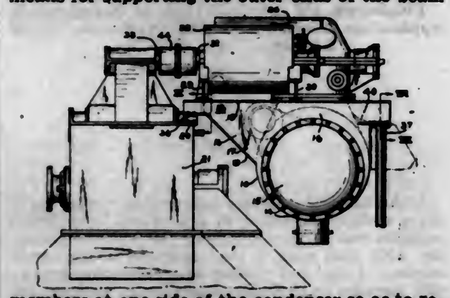
2,119,687
**VALVE STEM AND VALVE**
Schuyler O. Rexroad, Camden-on-Gauley, W. Va., assignor to Scovill Manufacturing Company, Brooklyn, N. Y., a corporation of Connecticut
Application September 6, 1933, Serial No. 688,368
4 Claims. (Cl. 277—42)



4. In a valve assembly, a valve insides comprising a shell consisting of two tubular sections with parts in overlying relation which are complementally bowed inwardly to provide a swivel connection between said sections, a valve seat on one of said sections, a valve for engaging said seat, and a spring within said shell for normally holding the valve onto its seat.

2,119,688
**CONDENSER APPARATUS**
Ira Short, Prospect Park, and Hugh C. Brown, Philadelphia, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 12, 1937, Serial No. 120,232
7 Claims. (Cl. 257—43)

3. In a power plant condenser, a shell, a pair of horizontally-extending beam members providing a bed construction, end plates connected to the shell ends and formed by webs of said beam members, a nest of tubes within the shell, tube plates for the tubes, water boxes, means for securing the tube plates and the water boxes to the end plates formed by the beam member webs, means for supporting the outer ends of the beam



members at one side of the condenser so as to resist bodily movement thereof lengthwise, and means for supporting the outer ends of the beam members at the other side of the condenser so as to provide for movement thereof horizontally in any direction.

2,119,689
**ILLUMINATED DISPLAY DEVICE**
Frederick A. Sunderhauf, Rutherford, N. J., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware
Application July 31, 1937, Serial No. 156,793
8 Claims. (Cl. 40—133)



8. A collapsible flat folding cardboard display device having a display opening and a sign stencil above the opening, an article support at the lower portion of the display opening extending rearwardly thereof, means of illumination at the rear of the upright above the display opening for directly lighting the article support, and a foldable rear member forming a backing for the article support and having distinguishingly characterized reflecting surfaces, one of said surfaces being of reflective metal foil and occupying the full area of view through the display opening, and the other of said surfaces being pigmented and opposite the sign stencil for directing reflected rays from the illuminating means through the said stencil.

2,119,690
**FACING FOR BUILDING CONSTRUCTIONS**
Elmer L. Torstenson, Chicago, Ill.
Application November 6, 1935, Serial No. 48,528
2 Claims. (Cl. 72—18)



1. A facing tile comprising a sheet of light-permeable glass, a thin layer of relatively opaque colored vitreous enamel glaze integrally adhered to the rear surface thereof and interfused therewith, and anchorage material partially imbedded in said layer and protruding therefrom to provide a key for bonding the tile to a building surface.

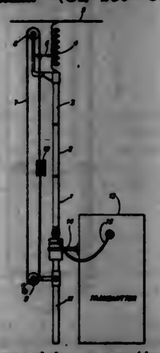


2,119,691
**CALF FEEDER**
Edwin G. Vanderbilt, Fitzsimons General Hospital, near Aurora, Colo.
Application August 12, 1935, Serial No. 35,695
2 Claims. (Cl. 119—71)



1. A calf feeding attachment for liquid containers comprising a domed base member formed with a plane lower surface adapted to engage against the bottom of a container, a central, downwardly-opening chamber in said base, a plurality of radially-disposed channels communicating between said central chamber and the periphery of said base adjacent its plane surface, a coupling fitting threadedly engaging with and dising from the crown of said base, a bore axially of said fitting and vertically-disposed in communication at one end with said central chamber, and a relatively-long, flexible nipple clamped at its lower end to and rising from said fitting, said nipple having an axial bore communicating with the bore of said fitting.

2,119,692
**ROD ANTENNA FOR SHORT WAVES**
Willi Volgt, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose, Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 23, 1935, Serial No. 46,381
In Germany September 26, 1934
1 Claim. (Cl. 250—33)



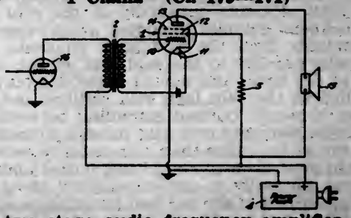
An antenna comprising a vertical aerial composed of a plurality of serially arranged collapsible rods, an inductance coil connected to the top portion of the uppermost rod of said aerial, a capacity surface connected to the top of said coil, a metallic arm connected to one end of and arranged parallel to the length of said inductance coil, and means for tuning said antenna comprising a guide roller mounted near the top of said vertical aerial, a drive roller mounted near the base of said vertical aerial, and a cable passing over both said rollers, said cable having attached thereto a sliding contact arrangement engaging both said coil and said arm for varying the self-inductance of said coil.

2,119,693
**PRINTING MECHANISM FOR REGISTERS**
Albert S. Wheelbarger and William G. Orth, Dayton, Ohio, assignors, by mesne assignments, to Central National Bank of Cleveland, Cleveland, Ohio
Application November 12, 1934, Serial No. 752,677
8 Claims. (Cl. 101—93)



1. In a register comprising operating mechanism and a printing element, a cam connected with said operating mechanism for rotation thereby, a lever, an inking device carried by said lever, a part rigidly connected with said lever and arranged to be engaged by said cam to move said inking device into inking contact with said printing element, a second lever, a platen carried by said second lever, and a part rigidly connected with said second lever and arranged to be engaged by said cam to move said platen into impression taking relation to said printing element, said parts of said levers being arranged for successive operation by the same cam surface of said cam.

2,119,694
**AMPLIFIER TUBE ARRANGEMENT**
Karl Wilhelm, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 1, 1933, Serial No. 687,793
In Germany August 31, 1932
1 Claim. (Cl. 179—171)

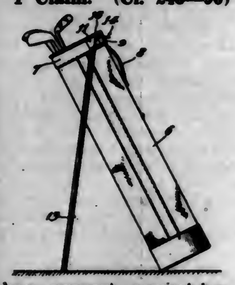


A two stage audio frequency amplifier, each stage including an electronic tube having a cathode, an anode and a grid electrode, an output circuit connected between the anode and cathode of the electronic tube of the first stage, said output circuit including a transformer primary and

a source of positive potential in series, an input circuit connecting the grid electrode and cathode of the electronic tube of the second stage, said input circuit including the secondary of said transformer, the electronic tube of said second stage being provided with a screen grid located between its grid electrode and anode, an output circuit for said second electronic tube, said output circuit including a sound reproducer and said source of positive potential connected in series between the anode and cathode of the said second electronic tube, increases in the amplitude of audio frequency currents in said transformer secondary winding acting to increase the average value of the current passing through said sound reproducer whereby the load on said source of positive potential is varied to such an extent that the positive potential applied to the anode of the electronic tube of the first stage is varied in accordance therewith, and means for compensating for said increase in current comprising a single resistor having one end directly connected to said screen grid and its other end directly connected to the positive terminal of said potential source whereby said resistor is not traversed by the current flowing in the output circuit of either of said stages, said resistor being adapted to maintain the load on said source substantially constant during operation of said amplifier.

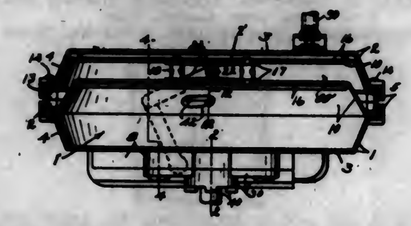
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2,119,695
**GOLF BAG SUPPORT**
Andrew J. Woodcock, Wilmette, Ill.
Application December 21, 1936, Serial No. 116,844
1 Claim. (Cl. 248—96)



A golf bag support comprising a member adapted to be secured to the side wall of a golf bag at the open end thereof, a pair of pivot elements mounted in the said member adjacent opposite ends of the latter and projecting outwardly therefrom, a bag-supporting leg pivotally mounted upon each of the said pivot elements, a resilient member formed of one-piece of bendable rod-like material and being pivotally mounted on said pivot elements outwardly of the said legs, said resilient member including arms extending downwardly from the said pivot elements substantially parallel to the said legs on the outer sides of the latter and having lower end portions attached to the said legs, said resilient member having a handle portion extending between the said pivot elements and said handle portion being somewhat longer than the distance between the said pivot elements and being bowed upwardly so as normally to project slightly above the open upper end of the bag and providing a spring normally retaining the said bag-supporting legs in folded position but moving the said legs into extended or bag-supporting position when the said handle portion is pressed downwardly to pivot the said resilient member and the said legs about the said pivot elements.

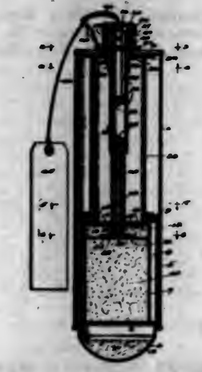
2,119,696
**WINDSHIELD CLEANER MOTOR**
William Sparks, Theodore J. Scofield, and Arthur B. Winshell, Jackson, Mich., assignors to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application October 28, 1935, Serial No. 47,162
Renewed May 26, 1937
22 Claims. (Cl. 121—48)



8. In a valve mechanism for a windshield cleaner motor or the like wherein the drive element is operated by the application of operating fluids of different pressures controlled by a main fluid supply control valve, in combination, means for governing the operation of said main control valve comprising a piston operatively connected with the valve, and means including an auxiliary control valve for alternately connecting opposite ends of the piston with a source of fluid operating pressure and with the atmosphere for actuating said piston.

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2,119,697
**FLOAT LIGHT**
Robert J. Andersen, Elkton, Md., assignor to Victory Fireworks and Specialty Company, Elkton, Md., a corporation of Maryland
Application August 13, 1935, Serial No. 36,032
28 Claims. (Cl. 102—24)



5. A float light comprising a buoyant casing, a pyrotechnic material container mounted in the lower part of said container with its walls spaced from the interior walls of the casing, a closure for said container at the bottom and top thereof, a primer cap, a firing pin assembly mounted in the upper part of said casing, said assembly including a hollow sliding firing stem, a firing pin rigidly secured therein, and means for temporarily holding said firing pin out of contact with said primer cap.



2,119,698
**SUCKER ROD AND PROCESS OF MANUFACTURING THE SAME**
Frank B. Bayless, Oil City, Pa., assignor to Oil Well Supply Company, Dallas, Tex., a corporation of New Jersey
No Drawing. Application July 6, 1935, Serial No. 30,170
2 Claims. (Cl. 148—12)

1. A sucker rod comprised of low carbon nickel-molybdenum steel, said steel consisting of between 2 and 5% nickel, between .15 to 1% molybdenum, less than .10% carbon, less than .20% manganese, the said steel being substantially free from oxygen, phosphorus and sulphur.

2. The method of hardening a sucker rod comprised of low carbon nickel-molybdenum steel having the composition specified in claim 1, which comprises heating the rod to temperatures approximating 1650° F., quenching the heated rod in water, reheating the quenched rod to temperatures within the range 1000° F. to 1200° F. to temper the rod and during the tempering heat treatment subjecting the rod to tensile stresses adapted to stretch the rod beyond its elastic limit, and thereafter cooling the stretched and tempered rod to atmospheric temperatures.

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2,119,699
**CONSISTENCY TESTER**
Oscar T. Bloom, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application November 22, 1936, Serial No. 112,414
5 Claims. (Cl. 265—11)

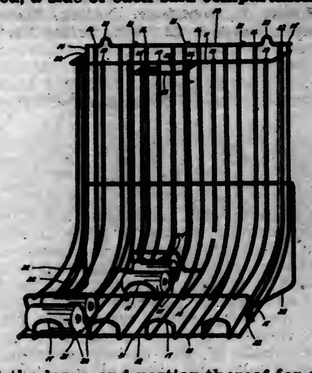


1. In a consistency tester including a pressure measuring means, a working head operatively connected with the pressure measuring means comprising a circular ring having a conical orifice providing tapered resistance shoulders.

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2,119,700
**DISPENSING AND DISPLAY DEVICE**
Jackson Burgess, Freeport, Ill., assignor to Burgess Battery Company, Freeport, Ill., a corporation of Wisconsin
Application March 23, 1936, Serial No. 70,274
5 Claims. (Cl. 211—49)

1. A combination display and vending device comprising a framework open upon all sides, said framework being composed of spaced slender members so shaped and arranged as to form a plurality of elongated compartments, each compartment having a steep open-ended upper portion, a more gradually inclined substantially closed-ended lower portion and a curved intermediate portion joining said end portions, the lateral dimensions of each said compartment being such as to accommodate the objects to be displayed, a side of each said compartment being



open at the lower end portion thereof for an area sufficient to permit the removal of one of said objects from said compartment.

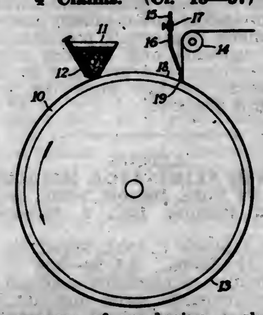
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2,119,701
**ALKOXYALKYL MERCURY NITROGEN COMPOUNDS**
Jürgen Callsen, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 22, 1936, Serial No. 75,871. In Germany June 29, 1934
12 Claims. (Cl. 260—13)

1. An organic mercury compound, in which one valency of the mercury atom is bound to an alkoxyalkyl radical and the other to a nitrogen atom.

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2,119,702
**FILM MANUFACTURE**
Stewart J. Carroll, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application August 7, 1936, Serial No. 94,835
4 Claims. (Cl. 18—57)




2. The process of producing a sheet or film which comprises casting a solution of a colloidal material in the form of a film on a continuously moving film-forming surface, removing solvent therefrom and stripping the film from the surface in a direction which provides an approximately V-shaped crevice between the film and the surface in which the vertex of the V is at least as low as any other point in the V, and maintaining a supply of a non-solvent liquid in the crevice by gravity.

**2,119,703**
**ARCH SUPPORT**
**Walter E. Copithorn, Natick, Mass.**
**Application October 22, 1936, Serial No. 107,031**
**8 Claims. (Cl. 36—71)**



1. An arch support comprising a top covering, a padding member, an anchor piece, an arch plate fastened to said anchor piece, a separate member adjacent said arch plate and fastened to said anchor piece, a bottom covering, stitches holding said top and bottom covering together with said padding member, anchor piece, arch plate and separate member between them, an arch spring member outside of said bottom covering, and a plurality of bolts and removable nuts to hold said arch spring member to said anchor piece, said bolts extending from said anchor piece through said separate member, bottom covering and arch spring member.

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**2,119,704**
**PERMUTATION LOCK**
**Anthony J. Denerich, Hartford, Conn., assignor to The Sesamee Company, Hartford, Conn., a corporation of Connecticut**
**Application December 11, 1936, Serial No. 115,381**
**6 Claims. (Cl. 70—213)**

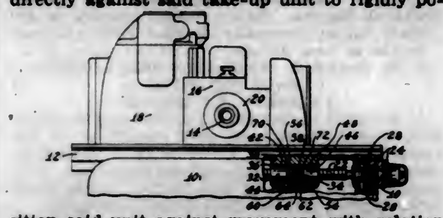


1. In a permutation lock, a barrel adapted to be fixed in position, a locking member movably carried by the barrel, a spindle mounted for limited rotation within the barrel and operatively associated with said locking member, and an enclosed permutation lock mechanism carried by and rotatable with said spindle and having a plurality of individually and manually operable permutation wheels respectively provided with lock controlling elements and a latch cooperating with said elements and arranged to lock said spindle against rotation when the prevailing combination is disturbed.

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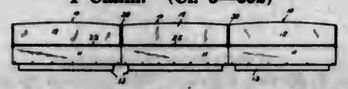
**2,119,705**
**BACKLASH ELIMINATOR MECHANISM**
**Charles B. De Vlieg, Detroit, Mich., assignor to Associated Patents, Inc., a corporation of Ohio**
**Application January 7, 1937, Serial No. 119,386**
**10 Claims. (Cl. 90—22)**

1. A mechanism to eliminate backlash between the relatively movable screw and nut elements of a driving connection which comprises a support and a second support relatively movable thereto, a feed screw on one of said supports, a pair of nuts, means for maintaining a constant angular relationship between the nuts, a take-up unit on the other of said supports movable in a plane normal to the axis of the screw and having oppositely inclined cam surfaces acting respectively against said nuts to impart equal and opposite movements to the nuts, tensioning means for imparting a take-up tensioning strain to said take-up unit, and positioning means comprising oppositely disposed end thrust surfaces acting directly against said take-up unit to rigidly position said unit against movement with relation to its support axially of the screw in either direction.



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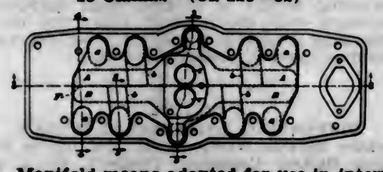
**2,119,706**
**COMBINATION SECTIONAL BOX SPRING AND MATTRESS**
**John Drexler and Alex Bencsik, Detroit, Mich., assignors of one-third to George Barnes, Detroit, Mich.**
**Application March 18, 1935, Serial No. 11,715**
**1 Claim. (Cl. 5—352)**



In a combination spring and mattress assembly, an intermediate unit, and a pair of end units disposed side by side, each unit comprising a lower spring section and an upper mattress section secured on said spring section, opposite upper side edges and the corner edges of the mattress sections being provided with slide fastener elements for detachably and interchangeably securing said units together, the lower and upper sections of each unit being spaced apart at their ends and sides to provide clothes tucking spaces therebetween mating horizontally and extending completely around the assembly in any interchanged position of the units.

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**2,119,707**
**INTAKE MANIFOLD SYSTEM FOR INTERNAL COMBUSTION ENGINES**
**Otis C. Funderburk, Weston, Mass.**
**Continuation of application Serial No. 698,761, November 20, 1933. This application July 13, 1936, Serial No. 90,362**
**13 Claims. (Cl. 123—52)**

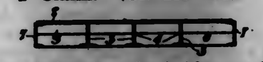


1. Manifold means adapted for use in internal combustion engines including a dome like cover of sheet metal having a flat peripheral flange; a sheet metal element having a flat section engaging the peripheral flange of said cover forming a closed compartment; a vertically disposed member dividing the compartment formed between the dome like cover and said element into two manifolding chambers; the flat sections of said cover and element formed with aligned openings; the vertically disposed member formed with openings therein; conduit means interconnecting the openings of the vertically disposed member with the openings of the cover and element; and tubular members secured to the dome like cover providing means to connect carbureting means to the manifolds.

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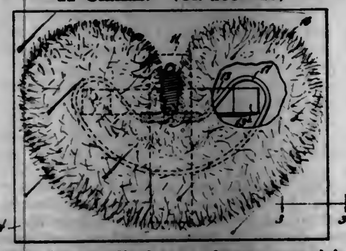
**2,119,708**
**STRUCTURAL MEMBER**
**Gerald G. Greulich, Mount Lebanon (Pittsburgh), Pa.**
**Application July 25, 1936, Serial No. 92,658**
**1 Claim. (Cl. 189—34)**



A reenforced structure for bridge roadway construction, floors and the like comprising a solid impervious main body member, side and end frame members extending from one surface of said main body member and welded thereto, T-shaped members extending longitudinally of said body member and welded thereto, said longitudinal T-shaped members having substantially the same height as said side frame members and adapted to abut said end frame members, T-shaped notches formed in said longitudinal T-shaped members and T-shaped cross-bars of a depth less than the depth of said longitudinal T-shaped members positioned in said notches and welded to said main body member and said side frame members, said T-shaped cross-bars extending transversely of said body member and at right angles to said longitudinal T-shaped members to form a plurality of rectangular plate areas on one side of said main body member, said rectangular areas adapted to uniformly absorb stresses transmitted by said main body member by vehicular traffic passing over said main body member.

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**2,119,709**
**DISPLAY MOUNTING FOR MOPS**
**Ralph F. Henn, Geneva, Ohio**
**Application November 23, 1934, Serial No. 754,546**
**11 Claims. (Cl. 206—46)**

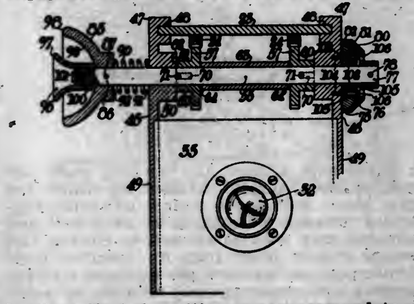


2. A dust mop display package comprising, in combination, a relatively stiff backing sheet; a dust mop; means secured to said sheet and engaging the mop to hold the mop on the backing sheet; and a sheet of tough, transparent, flexible material embracing said mop and secured under tension to the back of the backing sheet and spreading the yarn of the mop outwardly in all directions by the tension under which it is secured to the backing sheet.

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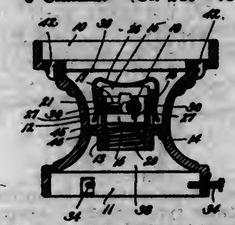
**2,119,710**
**RACK AND CLAMP FOR ENLARGERS**
**William H. Holder, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey**
**Application March 28, 1936, Serial No. 71,469**
**9 Claims. (Cl. 88—24)**

1. In a photographic enlarging camera, the combination with a supporting member having a track, of a member movable relative to said track, a shaft mounted for rotation on said member, a wheel secured to said shaft and arranged to engage said track to move said member relative thereto, a friction portion associated with said member, means including a disk mounted on said shaft and having a part thereof arranged to engage said portion to retain said movable member in adjusted position, means secured to said shaft and rotatable therewith to rotate said disk on said portion for slight adjustments of said movable member, and means rotatably mounted on said shaft and arranged to move said shaft axially to disengage said disk from said portion to permit large adjustments of said movable member.



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**2,119,711**
**ELECTRIC LIGHT FIXTURE**
**Arthur A. Johnson, New Bedford, Mass., assignor to John I. Paulding, Inc., New Bedford, Mass., a corporation of Massachusetts**
**Application November 2, 1935, Serial No. 47,995**
**6 Claims. (Cl. 240—78)**



1. In a fixture of the character described, the combination with a one-piece insulating body comprising a shell, an interior tubular portion of approximately the same length as a lamp socket having an interior shoulder and a transverse web supporting said tubular portion and dividing the interior of said body into an inner chamber for lead wires and an outer chamber for an electric lamp, of a lamp socket mounted in said tubular portion and having a shoulder engaging said interior shoulder for preventing outward movement of said socket and a U-shaped clamp straddling the inner ends of said tubular portion and lamp socket for locking said lamp socket within said tubular portion.

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**2,119,712**
**CAMERA SHUTTER**
**Edward Kozalka, Jr., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey**
**Application May 6, 1936, Serial No. 78,157**
**9 Claims. (Cl. 95—60)**

4. In a photographic shutter, the combination

with a support having an exposure opening therein, of a shutter blade pivotally mounted thereon and movable to an operative position covering said opening by a spring, means for making an instantaneous exposure including a trigger and cover blind, a pivotal mount for the trigger and cover blind and cooperating parts thereon and on the shutter blade forming a slip-off connec-



tion when said trigger and shutter blade are moved on their pivotal mounts by which the shutter blade may be set against its spring tension and released for making an exposure, and a movable time lever positioned to engage and move the shutter blade from its operative position to a position exposing the exposure opening whereby a time exposure may be made by actuating said trigger.

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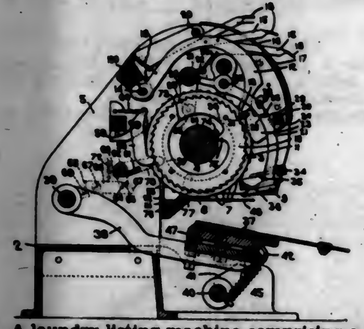
2,119,713

**LAUNDRY LISTING MACHINE**

George H. Lang, Boston, Mass.

Application April 2, 1935, Serial No. 14,283

20 Claims. (Cl. 101—96)



1. A laundry listing machine comprising a plurality of rotatable type wheels, a setting key for each type wheel adapted to set the type wheel forward one step each time it is actuated, a printing plate in line with each type wheel, means normally holding each printing plate out of printing position, means to move each type wheel forward with a step-by-step movement and automatically-operative plate-moving means rendered operative when any type wheel receives its first forward step to move the corresponding type plate into printing position.

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2,119,714

**LICENSE TAG HOLDER**

Nicholas Matula, Johnstown, Pa., assignor of one-fifth to Walter Joseph Dowling, one-fifth to Robert L. Brunner, and one-fifth to Earl C. Cavanaugh, all of Johnstown, Pa.

Application April 27, 1937, Serial No. 139,311

1 Claim. (Cl. 40—131)

A license tag holder including a plate having fastener receiving openings, the ends of the plate being offset in one direction along parallel lines, a channel integral with each of said offset ends and extending upwardly and downwardly therefrom, said channels opening toward each other and each having registering fastener receiving openings, means integral with the channels for closing the lower ends thereof, said channels constituting means for receiving opposed side edges of a license plate insertible downwardly thereinto, a tongue integral with the plate and inclined up-



wardly therefrom above the level of the channels, a lamp housing carried by the tongue and positioned to direct light rays over a license plate when supported in the channels, and an opening in the bottom of the housing positioned for the passage of light rays from within the housing to the space between the plate and the license plate joined thereto.

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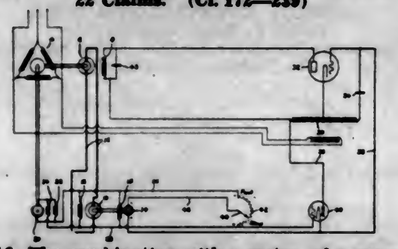
2,119,715

**MOTOR CONTROL**

Irving O. Miner, Providence, R. I., assignor to Brown & Sharpe Manufacturing Company, Providence, R. I., a corporation of Rhode Island

Application May 24, 1932, Serial No. 613,203

22 Claims. (Cl. 172—239)



16. The combination with a motor, of a source of energy for said motor, an arc-discharge tube for controlling the supply of energy to the motor, the tube having a control element, a thermionic tube having grid and plate circuits, an alternating current phase-shifting circuit for the control element of the arc-discharge tube, said phase-shifting circuit having as one part thereof the plate circuit of the thermionic tube, and means responsive to changes in speed of the motor to affect the grid circuit of the thermionic tube and thereby to vary the operation of the arc-discharge tube.

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2,119,716

**METHOD OF TREATING BACON**

Harry H. McKee, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application December 22, 1934, Serial No. 758,306

In Canada December 22, 1932

5 Claims. (Cl. 99—107)

1. The method of treating bacon which consists in arranging skinned slabs of bacon with their fat and lean surfaces in superposed relationship in a form of less area than the slabs, applying pressure against the slabs to flatten the fat and lean surfaces and to reduce the area of



the slabs to correspond to the area of the form, and subjecting the slabs while under pressure to a temperature sufficiently low and for a sufficient length of time to cause the slabs to set.

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2,119,717

**SHUTTER CONSTRUCTION**

John B. Nelson, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application May 6, 1936, Serial No. 78,152

6 Claims. (Cl. 95—60)



1. In a shutter for cameras, the combination with a support adapted to be made of molded material to constitute an apertured shutter casing, one aperture forming an exposure aperture and another aperture forming a bearing for a latch, a shaft frictionally engaging said bearing and being adapted to move axially therein, an operating knob carried by the shaft on the outside of the shutter support, a spring latch carried by the shaft on the inside of the support, a pivoted shutter blade mounted inside of the support, said latch being movable into and out of the path of said shutter moving about its pivot, shutter mechanism for moving said shutter blade carried by the shutter and including a trigger, said spring latch being mounted on said shaft in position to allow the shutter blade to move past the latch in one direction and to restrain movement thereof in an opposite direction when said operating knob is properly adjusted, whereby time exposures may be made.

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2,119,718

**LUBRICATING OIL**

Ernest F. Pevere, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application April 23, 1934, Serial No. 721,971

5 Claims. (Cl. 87—9)

1. A lubricating oil having a pour point of approximately 5° F. or below, comprising a mixture of a partially dewaxed paraffin base lubricating oil normally having a pour point above 15° F., with a pour point depressant consisting essentially of a glycerol tri-ester of a higher saturated fatty acid in the proportion of from 0.25 g. to 1.50 g. per 100 cc. of oil, the depressant being substantially devoid of free fatty acid.

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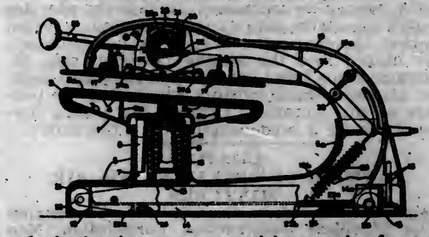
2,119,719

**IRONING MACHINE**

George W. Wardwell, Jr., Nichols, Conn., assignor to General Electric Company, a corporation of New York

Application September 20, 1934, Serial No. 744,792

8 Claims. (Cl. 38—39)



1. An ironing press comprising a pair of pressing members, means including a lever for effecting engagement and separation of said pressing members, means including a spring for returning said lever to the disengaged position, a brake having a fixed member and a relatively rotatable member connected to said lever, said brake having a cylindrical surface on one of said members and a surface inclined to said cylindrical surface on the other of said members, a ball between said surfaces, and means for preventing wedging of said ball between said surfaces during engaging movement of said lever, said ball being subjected to a force tending to move it at a limited instantaneous speed relative to said fixed member whereby it will become wedged between said surfaces upon disengaging movement of the lever at an instantaneous speed greater than said limited instantaneous speed.

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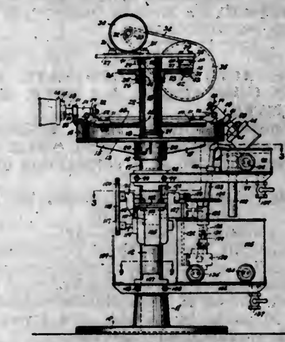
2,119,720

**APPARATUS FOR APPLYING SEALING MATERIAL TO CONTAINERS**

James D. Reifsnyder, New York, N. Y., assignor to Lily Tulip Cup Corporation, New York, N. Y., a corporation of Delaware

Application February 2, 1935, Serial No. 4,640

35 Claims. (Cl. 91—46)



1. In an apparatus for applying sealing material to containers, the combination of a movable support, a plurality of container holders pivotally mounted on said support, and adapted to carry containers so that the central axes thereof project outwardly from the support, each of said holders comprising means adapted to engage one end of a container and to support the container with its other end projecting freely

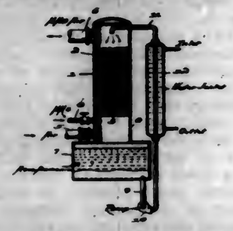
beyond said holder during the travel of said movable support, means for revolving the holders so that the containers carried thereby are rotated about their central axes, a tank containing sealing material positioned close below the path of the containers on said holders, and means for pivoting the container holders about their supports when the containers carried thereby are positioned above said tank of sealing material so that the free ends of the rotating containers are dipped into the sealing material, said revolving means being adapted to rotate said holders and containers continuously during the passage of the containers through the sealing material and for a predetermined time thereafter.

2,119,721

## METHOD OF PREPARING $NH_3$-AIR MIXTURES

Ralph S. Richardson, Scarsdale, N. Y., assignor to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware

Application June 26, 1936, Serial No. 87,423
2 Claims. (Cl. 23—5)



1. A method of producing an ammonia-air mixture of substantially constant composition which comprises preparing a mixture of ammonia and air having approximately the desired composition, and passing said mixture in countercurrent contact with a recirculating flow of an aqueous ammonia solution having a partial vapor pressure with respect to ammonia equal to the desired partial pressure of ammonia in the ammonia-air mixture, the time of contact being sufficient to establish equilibrium between the ammonia in the gas and the solution the volume of the ammonia solution recirculated being relatively large in comparison with the amount taken up or given off by the gas per unit of time.

2,119,722

## CELLULOSE ACETATE-PROPIONATE COMPOSITION CONTAINING A LOWER ALKYL RICINOLEATE

Henry B. Smith, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application December 26, 1935, Serial No. 56,236
4 Claims. (Cl. 106—40)

1. A transparent, flexible sheet comprising 100 parts by weight of cellulose acetate-propionate containing less than 1 esterifiable hydroxyl group per 24 carbon atoms of the cellulose radical, and from 10 to 50 parts, by weight, of a lower alkyl ricinoleate as a plasticizer therefor.

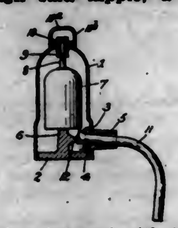
2,119,723

## AIR VALVE

Joseph F. Stanwich, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois

Application June 7, 1935, Serial No. 25,358
7 Claims. (Cl. 137—122)

7. An air valve comprising a casing, a bottom therefor, a nipple connected with the bottom, for attaching the air valve to a radiator, a valve element in the casing, a water discharge pipe extending through said nipple, a flaring device



within the casing, integral with the bottom, for flaring the end of said water discharge pipe, so as to retain it attached to the casing, the flaring device acting as a support for the valve element.

2,119,724

## REDUCTION OF CONTRAST OF PHOTOGRAPHIC EMULSIONS

Cyril J. Staud, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application July 10, 1935, Serial No. 30,716
2 Claims. (Cl. 95—9)



1. In the process of developing the latent image in the light-sensitive gelatino-silver halide emulsion layer of a photographic film after exposure by subjecting the exposed film to the action of a developer, the step which comprises controlling the contrast of the image by controlling the rate and uniformity of diffusion of the developer into the emulsion layer by coating the surface of the emulsion layer with an extremely thin, permeable, permanently adherent, abrasion-resistant, cellulose derivative layer which is insoluble in the presence of alkaline developing solutions and containing a water-soluble and displaceable compound in sufficient amount to permit penetration of the layer by the developer by displacement of the water-soluble compound, whereby the action of the developer on the light-sensitive emulsion is rendered substantially uniform throughout.

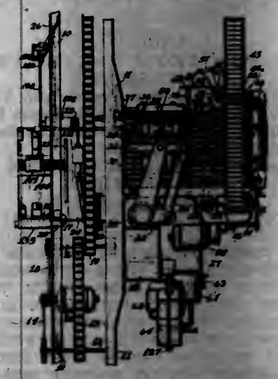
2,119,725

## MACHINE FOR UNLOADING BOTTLES FROM CRATES

Charles Stecher, Chicago, Ill.; Emily M. Stecher executrix of said Charles Stecher, deceased, assignor, by mesne assignments, of one-half to The Charles Stecher Co., a corporation of Illinois, and one-half to Seth L. Winslow, both of Chicago, Ill.

Application January 5, 1935, Serial No. 536
21 Claims. (Cl. 214—1)

3. Apparatus for use in and as a part of a bottle-crate unloading machine having a head movable vertically and horizontally from a crate unloading position to a bottle delivering position, members carried by said head for engaging bottles and moving the same from said unloading position to said delivering position, a first conveyor for moving to said unloading position crates containing bottles, and a second conveyor for moving bottles from said delivering position, characterized by the combination of devices connected with said members and operable by fluid under pressure, means for supplying fluid under



pressure to said devices and releasing said fluid pressure as desired, to operate said members, and mechanism for engaging the sides and ends of a crate in unloading position to equalize the angles of a deformed crate and free bottles therein for unloading.

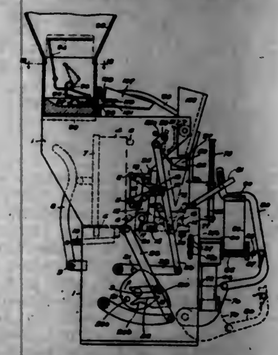


2,119,726

## APPARATUS FOR PACKETING SMALL QUANTITIES OF GRANULAR OR PULVERULENT MATERIAL

William Sumner and Frank Sumner, Liverpool, England

Application November 30, 1936, Serial No. 113,388
In Great Britain December 6, 1935
12 Claims. (Cl. 93—3)



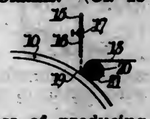
1. Apparatus for packeting material in flatly folded wrappers, comprising, guides for supporting a pad of wrapper sheets, relatively movable grip levers for engaging the pad, means for pressing the grips while open against the pad and closing them to nip, double and withdraw a single sheet to a vertical position, a carrier for delivering material into the valley of the doubled sheet, rollers between which the doubled sheet is pushed, a blade co-operating with said rollers to redouble the filled doubled sheet in parallel folds by pushing it through the rollers, a table for receiving the folded sheet from the rollers, pivotal folders for overlapping the ends of the redoubled sheet about the table to form a packet, and cam members for actuating the movable parts of the apparatus mounted on a single oscillating shaft.

2,119,727

## MANUFACTURE OF RESIN FILMS

Ralph H. Talbot, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application August 7, 1936, Serial No. 94,834
2 Claims. (Cl. 18—57)



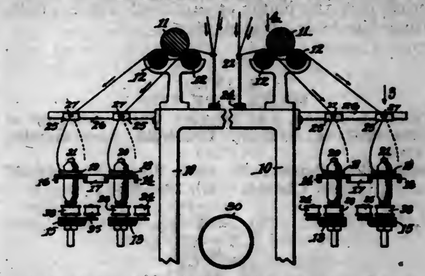
1. The process of producing a sheet or film which comprises casting a solution of a colloidal material in the form of a film on a film-forming surface, removing solvent therefrom and stripping the film from the surface in a direction which provides an approximately V-shaped crevice between the film and the surface in which the vertex of the V is at least as low as any other point of the V, maintaining a supply of a non-solvent liquid in the crevice by gravity and simultaneously applying a cold roll approximately at the point of stripping but on the side of the film opposite the non-solvent.

2,119,728

## DOUBLE PRODUCTION TWISTER OR SPINNING FRAME

John E. Turcotte, Worcester, Mass.

Application March 30, 1937, Serial No. 133,844
1 Claim. (Cl. 118—47)



A drive for the spindles of a spinning frame or twisting machine comprising a main driving cylinder, two rails on each side thereof, a set of spindles on each rail, a pulley on each of the spindles to be driven, an idler for each pair of spindles, all of said idlers being located on the inner sides of the two rails respectively, and a single driving band passing around said cylinder and all of said pulleys, whereby the driving band will drive two sets of pulleys and spindles on each side of the machine, all in the same direction.

2,119,729

## PRINTING NATURAL SAUSAGE CASINGS

Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application May 27, 1935, Serial No. 23,665
13 Claims. (Cl. 99—169)

1. The method of treating natural casings which comprises coating the outer surface with

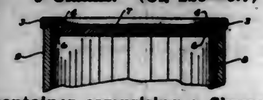
cellulose viscose and regenerating substantially pure cellulose from the cellulose viscose.




8. A sausage casing comprising a portion of animal intestine with a film of cellulose on the outer surface.

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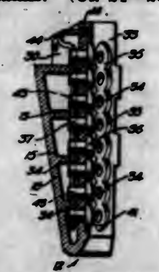
2,119,730
**CONTAINER AND METHOD OF MAKING SAME**
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application November 18, 1936, Serial No. 111,547
6 Claims. (Cl. 229—5.7)



3. A container comprising a fibrous body wall and a fibrous end secured to the fibrous body wall with a metallic ferrule provided with teeth along one edge thereof and having a flange crimped over the edge of the fibrous body wall, the said teeth being clenched internally of the fibrous end, the points of said teeth being wholly within the body of said fibrous end.

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2,119,731
**DRILL PIPE SLIP**
Walter A. Abegg, Los Angeles, Calif., assignor of one-half to Baldwin Reinheld, Los Angeles, Calif.
Application October 19, 1936, Serial No. 106,407
10 Claims. (Cl. 24—263)



1. A drill pipe slip structure comprising a pair of slip elements each having a body casting formed with a vertical front wall and an inclined back wall, the horizontal wall sections being arcuate to conform substantially to the surface of a member being gripped and to rest within a tapered seat, means along contiguous edges of said elements for articulately interlocking said elements and holding them in assembled relation to each other, a handle common to the two elements, one end of the handle being secured to one of the elements and the other end of the handle being secured to the other of said elements, and a block interposed between said interlocking means to maintain them interlocked.

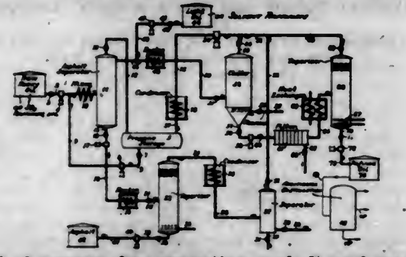
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2,119,732
**PROCESS FOR PRODUCING BITUMINOUS EMULSIONS**
Lawton B. Beckwith, San Pedro, and Frederick S. Scott, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application October 6, 1934, Serial No. 747,210
8 Claims. (Cl. 134—1)

1. A process for producing an aqueous bituminous emulsion which comprises commingling a crude oil fraction containing naturally present saponifiable ingredients with a dilute aqueous alkaline solution which is substantially free from saponifiable constituents to produce an oil in water emulsion and subsequently incorporating into said emulsion a melted asphalt which is incapable of being emulsified with said dilute aqueous alkaline solution whereby said asphalt is emulsified by admixture with said preformed emulsion without addition of added saponifiable constituents.

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2,119,733
**PROCESS FOR DEWAXING OILS**
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application July 2, 1934, Serial No. 733,422
17 Claims. (Cl. 196—18)

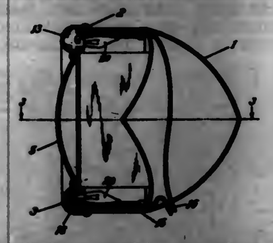


1. A process for separating asphalt and wax from oils which comprises mixing a heavy oil containing asphalt and wax with a sufficient quantity of liquefied normally gaseous hydrocarbon diluent to effect precipitation of substantially all of the asphalt from said oil, separating precipitated material from the oil and hydrocarbon diluent, commingling said oil and diluent with a wax containing oil in amount sufficient to reduce the diluent oil ratio to a large extent, chilling said mixture to precipitate wax, separating precipitated wax from said mixture, and subjecting the dewaxed oil to distillation to separate the same into oils of varying viscosities.

9. A process for separating wax from waxy lubricating stocks which comprises commingling a relatively heavy raffinate with large quantities of a liquefied normally gaseous hydrocarbon diluent, said raffinate being produced by extracting an oil with a selective solvent but containing color bodies which are not removed by the extraction with the selective solvent, adding a quantity of a relatively lighter waxy oil to reduce the oil-diluent ratio, chilling the mixture to precipitate wax and separating the precipitated wax.



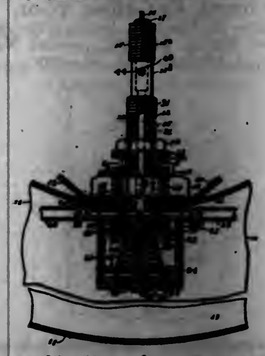
2,119,734
**HEADLIGHT FOR VEHICLES**
Fred S. Caldwell, Denver, Colo.
Application March 12, 1936, Serial No. 68,586
2 Claims. (Cl. 240—41.1)



1. A headlight comprising a casing, a lens and a front rim closing the casing, a reflector positioned within the casing and provided with downwardly and upwardly curved portions meeting on a horizontal line through the axis of the lens, light sources concealed within the front rim having reflecting surfaces positioned so as to direct light therefrom upon the curved portions of the reflector, and each of said light sources having a substantial fan-shape face through which light passes wherein all light emanating therefrom floods one entire curved portion of the reflector only.

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2,119,735
**TIRE INFLATING AND VENTILATING DEVICE**
Nicholas Demarest Campbell, Hackensack, N. J.
Application December 20, 1935, Serial No. 55,316
5 Claims. (Cl. 152—426)



1. The combination of a compressed air inlet fitting for admitting air into the inner tube of a pneumatic tire of a vehicle wheel from a point exteriorly of said tube, means for automatically discharging the air from said tube at a desired pressure and a means for circulating the air in said tube, thereby effectively cooling said tire, said circulating means including an automatic air compressor of rigid material on said wheel including a cylinder, a piston and means for reciprocating said piston in said cylinder, for pumping compressed air through said fitting into the said tube, an inlet on said cylinder for periodically admitting atmospheric air thereinto during the suction stroke of the piston and automatic means for periodically closing said inlet during the compression stroke of said piston, thereby preventing a backflow of air from said cylinder into the atmosphere.



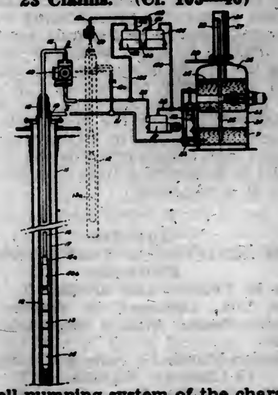
2,119,736
**GOVERNED FLUID OPERATED PUMP**
Clarence J. Coberly, Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev., a corporation of Nevada
Application April 11, 1934, Serial No. 720,059
14 Claims. (Cl. 103—46)



1. A fluid operated deep well pump of the character described, including: a pump mechanism adapted to be placed in the lower part of the well, said pump mechanism comprising a fluid motor and a pump unit connected to said fluid motor so as to be driven thereby; a pressure fluid delivery pipe extending down through said well to deliver pressure fluid to said pump mechanism; and a governor disposed between said pump mechanism and said delivery pipe constructed and arranged so that, throughout its effective operating range, it maintains such volume of flow of fluid to said motor as to maintain a substantially constant motor speed regardless of fluctuations in load on said pump unit so as to prevent a harmful racing of said pump mechanism.

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2,119,737
**SYSTEM OF OPERATING FLUID-OPERATED PUMPS**
Clarence James Coberly, Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev., a corporation of Nevada
Application December 16, 1935, Serial No. 54,557
23 Claims. (Cl. 103—46)

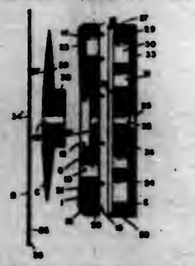


1. A well pumping system of the character described, including: a plurality of fluid-operated

pump units placed so as to pump from a plurality of wells, there being a pressure fluid inlet pipe connecting with the fluid-operated motor of each of said pump units, and there being a production discharge member associated with each pump unit; piping for receiving the production from said production discharge member; means for diverting a portion of said production; a treating device for converting said diverted portion of the production into an operating fluid for said pump units; and means for conducting the operating fluid to said pressure fluid inlet pipes of said pump units, said conducting means including individual compressor means in each of said fluid inlet pipe lines for placing said operating fluid under pressure so that it will operate said fluid-operated motors of said pump units.

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**2,119,738**
**ABRADING APPARATUS**
Harry W. Dempsey, Charlotte, Mich.
Application March 8, 1937, Serial No. 129,737
8 Claims. (Cl. 51—197)



1. In a device of the class described, a rotary body having a working pad and a backing pad, a cushion on the working face of the working pad, and an abrading element upon the cushion and having attaching means anchored between the pads aforesaid.

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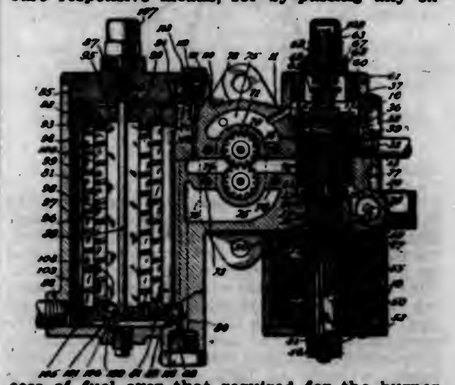
**2,119,739**
**ACIDOPHILUS PRODUCT AND METHOD OF MAKING IT**
Stewart M. Farr, Genesee Depot, Wis.
No Drawing. Application February 10, 1937, Serial No. 125,073
3 Claims. (Cl. 167—73)

1. The method of producing a *B. acidophilus* concentrate comprising precipitating casein from a substantially sterile heated milk solution, cooling the mixture to about body temperature, inoculating the cooled mixture with a suitable culture of *B. acidophilus* and allowing incubation to proceed therein, then agitating the mixture to free *B. acidophilus* from the precipitate, separating the greater portion of the precipitate from the mixture, and then separating the greater portion of the *B. acidophilus* from the liquid to form a mass of *B. acidophilus*.

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**2,119,740**
**FUEL REGULATOR VALVE FOR OIL BURNERS**
Harrison E. Fellows and Benton T. Wiechers, Racine, Wis., assignors to Webster Electric Company, Racine, Wis., a corporation of Wisconsin
Application March 27, 1936, Serial No. 71,130
13 Claims. (Cl. 158—42.1)

1. In an oil burner fuel system, the combination of an electric motor with a pump for supplying liquid fuel under pressure, a regulator valve comprising a chamber for receiving the fuel under pressure, a cut-off valve for the burner port including pressure responsive means for opening said cut-off valve upon a predetermined pressure in said chamber, a by-pass port leading from said chamber, a by-pass valve controlled by pressure responsive means, for by-passing any ex-



cess of fuel over that required for the burner, and electro-magnetic means for relieving the pressure in said chamber immediately upon the shutting down of the motor, said electro-magnetic means comprising an electrically operated valve cooperating with the by-pass port, and said valve being controlled with the motor circuit.

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**2,119,741**
**DRILL GRINDING TOOL**
William H. Fischer, Jersey City, N. J.
Application March 24, 1937, Serial No. 132,696
1 Claim. (Cl. 51—219)



A drill grinding tool comprising a substantially rectangular upright frame, means for securing said frame on a standard, a block pivotally suspended within said frame, said block having a circular opening therethrough in the upper portion thereof, a sleeve rotatably mounted in said opening, a barrel secured to and extending axially rearward of said sleeve, a stem slidably mounted in said sleeve and having a chuck on its forward end, a knob rotatably mounted at the rear end of said barrel, means between said stem and said knob for advancing or retarding said stem upon rotation of said knob, said sleeve having a pair of oppositely disposed cone-shaped indentations on its outer surface within said block, a tapered pin slidably mounted in said block and projecting substantially radially into said opening, a spring urging said pin toward said opening, said pin being adapted to register alternately in said indentations.



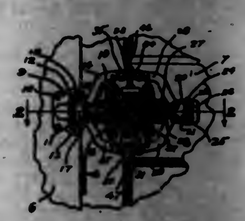
**2,119,742**
**COMBINATION TANK AND PACKAGE DELIVERY BODY**
Edward H. Gill, Kansas City, Mo., assignor to Andrew A. Kramer, Kansas City, Mo.
Application May 1, 1936, Serial No. 77,378
17 Claims. (Cl. 220—5)



6. The combination with a vehicle frame of a combination body comprising a lower tank portion and an upper freight carrying portion, said freight carrying portion comprising a load supporting bed forming the top wall of said tank portion and said tank portion comprising vertically extending transverse walls extending from said load supporting bed to said vehicle frame and defining compartments in said tank portion, said tank portion having a transversely curved bottom wall and substantially vertically extending side walls connecting said bottom wall with said load supporting top wall and integrally united therewith and with said transverse walls, external longitudinally extending bracing means under said curved bottom wall connecting said transverse walls and internal longitudinal bracing means on said top wall.

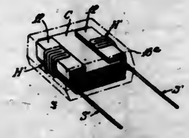
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**2,119,743**
**DOOR CHECK**
Philip J. Harrah and Chester P. Harrah, Bloomfield, Ind.
Application September 9, 1937, Serial No. 163,002
6 Claims. (Cl. 16—51)



1. In a door check for a hinged door, having a frame member and having a movable cylinder, a piston reciprocating therein, a piston rod and a port from one side of the piston to the other, a bracket fastened to the door frame member, a pair of toggle levers pivotally supported from the outer end of the bracket having the other end of one of the levers pivotally attached to the piston rod and the other end of the other lever pivotally attached to the cylinder, a tie-bar hinged at one end to the bracket and attached to the door, a second pair of levers pivotally supported from the end of the tie-bar remote from the hinge of the bar, the other end of one of the last levers pivotally attached to the piston rod and the other end of the other of said last levers pivotally attached to the cylinder and a pair of springs, one on each side of the cylinder, connecting the pair of levers on that side of the cylinder.

**2,119,744**
**ELECTRICAL CONDENSER**
Sam Heyman, Brooklyn, N. Y., assignor to Aerovox Corporation, a corporation of New York
Application March 24, 1932, Serial No. 600,876
7 Claims. (Cl. 175—41)

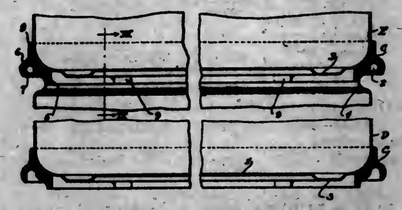


5. A terminal for condensers comprising a single length of wire, one end of which constitutes an elongated handle shank, the other end of the wire being bent into form to define a head transversely bendable into clamping engagement with a condenser stack, said head being formed of a plurality of laterally adjacent runs of wire formed by folding the wire in pleated fashion, the head prior to bending into clamping engagement with the stack being disposed in the same plane as the shank.

7. A terminal for condensers comprising a single length of wire, one end of which constitutes an elongated handle shank, the other end of the wire being bent into form to define a flat head lying at right angles to the plane of the shank and said wire head being transversely bent along two substantially parallel chords to straddle a condenser stack.

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**2,119,745**
**RING FOR PACKAGING**
Roy C. Ingersoll, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 14, 1935, Serial No. 1,631
2 Claims. (Cl. 220—97)



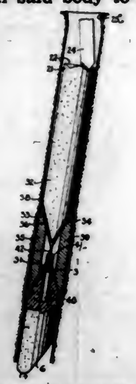
1. For interposition between stacked bodies to hold the same in stacked relation, a ring of pliable elastic material, said ring comprising a centralized core section, inner and outer concentric flanges extending downwardly from said core section and in spaced relation to receive therebetween the top peripheral margin of one of such bodies, a flange extending upwardly from said core section to receive the lower peripheral section of a superimposed body, and a series of lugs projecting inwardly of said ring from the inner of said concentric flanges, said lugs being adapted to engage and support the superimposed body.

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**2,119,746**
**WHIP STOCK ANCHOR**
Edward K. Lane, Houston, Tex.
Application February 10, 1936, Serial No. 63,084
6 Claims. (Cl. 255—1)

1. Whipstock for wells comprising a body of friable material which may be drilled away, a

plurality of deflecting recesses in its upper end, anchor means on said body to lodge the whip-



stock in a well bore, and releasable means whereby said anchor is held inoperative.

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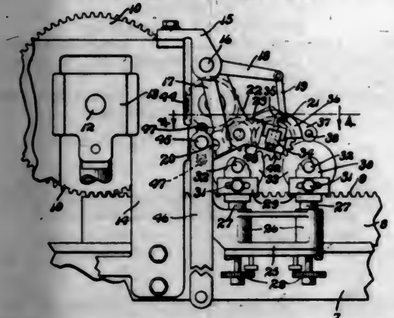
2,119,747

**PRINTING PRESS INKING MECHANISM**

**James Edgar Lee and Freeman Barney, Grand Haven, Mich., assignors to The Challenge Machinery Company, Grand Haven, Mich., a corporation of Michigan**

**Application December 28, 1936, Serial No. 117,910**

**10 Claims. (Cl. 101—358)**



1. In a printing press, a horizontal support, a bed mounted for back and forth longitudinal movement over the support, vertical supporting members, one at each side of the horizontal support connected thereto at their lower ends and extending above the bed, a horizontal cylinder rotatably mounted on and carried between said supporting members, a gear on one end of the cylinder, a rack at one side of the bed in mesh with the gear, brackets connected to said members, a rock shaft extending between the brackets, an inking mechanism suspended from said rock shaft including two spaced inking rollers and a spreading roller above and between the inking rollers adapted to frictionally engage therewith, gearing between the spreading roller and the gear on the cylinder, and a pivotally mounted manually operable lever carried by the inking mechanism and having means adapted when the lever is turned in one direction to engage against a supporting member and swing the inking mechanism in an upward direction about the axis of said rock shaft.

2,119,748

**NECKWEAR CONSTRUCTION**

**Isaac C. Levy, Jackson, Mich.**

**Application January 29, 1937, Serial No. 122,907**

**1 Claim. (Cl. 2—144)**



An improved necktie to be worn in combination with a waistcoat having edge portions thereof defining a V-neck comprising contrasting color areas defined by a V-shaped border line, the angularity of said border line conforming substantially to that of the V-neck of the waistcoat, said V-shaped border line being so located when the necktie is worn that the same is positioned slightly above the V-neck of the waistcoat and in parallelism with said edge portions whereby the contrasting area which shows above the V-neck of the waistcoat will give to the waistcoat the appearance of edge piping.

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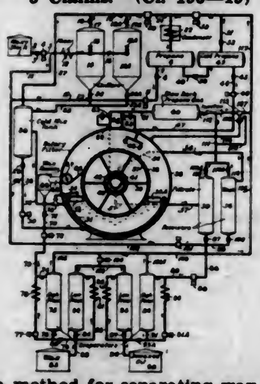
2,119,749

**METHOD FOR CONTINUOUS FILTRATION OF WAX BEARING OILS**

**David R. Merrill, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California**

**Application February 2, 1935, Serial No. 4,658**

**5 Claims. (Cl. 196—19)**



2. In a method for separating wax from a diluted oil-wax slurry in a filter wherein filtration is effected by maintaining a differential pressure between the slurry side and the filtrate side of the filtering element of said filter, the steps of passing filtrate from said filter to a filtrate receiver, separating a relatively cold low pressure vapor from said filtrate receiver, vaporizing liquid from said filtrate under pressure to produce a relatively warm high pressure vapor, compressing



said separated relatively cold low pressure vapor by means of said relatively warm high pressure vapor in a thermo-compressor and returning said compressed vapor to said filter to aid in the filtration of said diluted oil-wax slurry.

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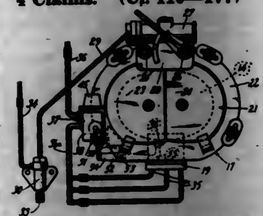
2,119,750

**STOKER MECHANISM**

**Otto Moeller, Brooklyn, N. Y., assignor, by mesne assignments, to The Standard Stoker Company, Inc., (1922), New York, N. Y., a corporation of Delaware**

**Application February 7, 1935, Serial No. 5,394**

**4 Claims. (Cl. 110—177)**



2. In combination with a furnace having a firing opening, a fuel supporting distributor plate in said firing opening, a fuel distributor head provided with jet openings directed across said plate for projecting fuel therefrom over the fire in said furnace, a door for the firing opening, a supply line for delivering fluid under pressure to said distributor head, a fluid operated valve interposed in said supply line controlling the flow of fluid to said distributor head, said valve comprising a casing provided with a fluid inlet port and a fluid outlet port, said ports communicating with said supply line, a valve element comprising spaced piston heads rigidly secured together mounted for reciprocation in said casing, means at one end of said valve element for moving it to a position establishing substantially immediate communication between said inlet and outlet ports, whereby fluid under pressure will pass through said supply line to said distributor head, a passage discharging at the other end of said valve element for passing a portion of the fluid under pressure delivered to said casing from said inlet port to the said other end of said valve element, thereby moving the valve element to a position closing said outlet port and interrupting the passage of fluid under pressure through said supply line to said distributor head, said casing having an exhaust port for venting fluid under pressure from the said other end of said valve element, means responsive to opening and closing of the door for opening and closing of said exhaust port, and means in said passage restricting the flow of fluid under pressure to the said other end of said valve element whereby movement of said valve element to close said outlet port is delayed an interval of time after closing of said door.

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2,119,751

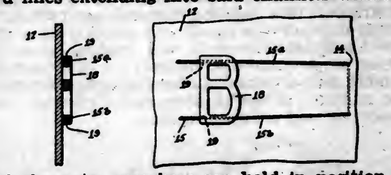
**NAME PLATE**

**James E. Nichols, Taunton, Mass.**

**Application April 19, 1937, Serial No. 137,625**

**6 Claims. (Cl. 40—144)**

1. A name plate comprising in combination a plate and separate character members held thereto, the main body of said character members being formed to the shape of the particular characters they represent, two cord lines spaced apart fastened to and extending part way across said plate, said character members having channels in their upper and lower sides extending vertically into the body of the characters, said cord lines extending into said channels whereby



said character members are held in position in association with said plate.

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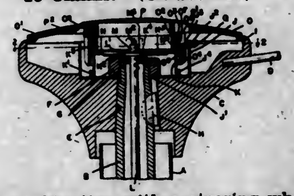
2,119,752

**STEERING WHEEL SWITCH**

**Harper E. Pulleyblank, Detroit, Mich., assignor to Gemmer Manufacturing Company, Detroit, Mich., a corporation of Michigan**

**Application April 21, 1937, Serial No. 138,274**

**13 Claims. (Cl. 200—59)**



1. The combination with a steering wheel hub having a recess in its upper portion, of a circuit closing switch comprising an annular member within said recess forming a grounded contact, a centrally arranged insulated contact member, a resilient bridge contact member supported on said central contact member and having an annular portion registering with and normally spaced from said grounded contact member, a button forming a closure for said recess supported on said resilient contact member, and means for limiting the outward movement of said button to provide a predetermined space between the registering portions of said bridge contact member and grounded contact member.

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2,119,753

**STABILIZATION OF SICCATIVE SOLUTIONS**

**John T. Rutherford, Berkeley, and Glenn C. Brock, El Cerrito, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware**

**No Drawing. Application June 11, 1934, Serial No. 730,171**

**13 Claims. (Cl. 134—57)**

1. A stabilized metallic siccative soap solution comprising a metallic siccative soap, an organic solvent therefor, and less than 10% by weight, on the basis of solid siccative, of an aliphatic monohydric alcohol having more than three carbon atoms to the molecule, the said alcohol being soluble in the organic solvent and being capable of dissolving small quantities of water.

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2,119,754

**CYLINDER-GRIPPER AND SHOO-FLY ACTUATING MECHANISM**

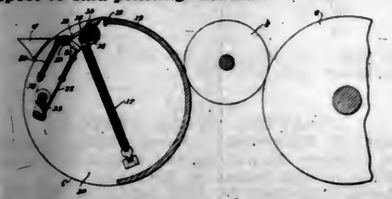
**Joseph Sinkovitz and August A. Saul, Pittsburgh, Pa., assignors to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania**

**Application April 1, 1937, Serial No. 134,344**

**12 Claims. (Cl. 101—409)**

1. In a cylinder printing press; the combination with an impression cylinder, a printing member normally cooperating therewith, means for

moving said cylinder into and out of cooperative relation with said printing member, and a cylinder gripper, of a cam for opening said gripper to permit delivery of a sheet, said cam having a surface for operation when said cylinder is in cooperative position with respect to said printing member and a second surface for operation when said cylinder is out of cooperative position with respect to said printing member.



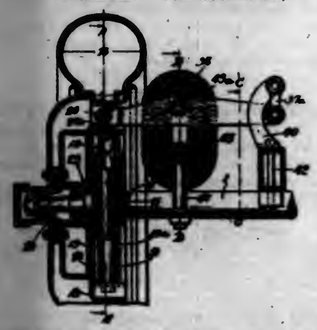
12. The combination with a press cylinder adapted to move toward and away from a type bed cooperating therewith, of shoo flies secured to a common shaft journaled in the cylinder, means normally tending to turn said shaft in one direction but permitting manual rotation of the shaft in the other direction, and means for automatically rotating said shaft in said other direction on rotation of said cylinder including a relatively fixed cam having a face extending in the general direction of movement of the cylinder whereby the rotation of said shaft caused by said cam is substantially the same regardless of the position of the cylinder.

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2,119,755

**INDEPENDENT FRONT WHEEL SPRINGING SYSTEM FOR MOTOR DRIVEN VEHICLES**

James Frederick Soper, Balclutha, New Zealand
Application August 28, 1936, Serial No. 98,363
In New Zealand January 21, 1936
5 Claims. (Cl. 280—96.2)

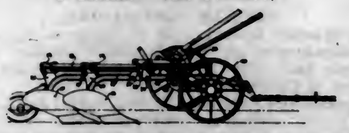


1. An independent front wheel springing system comprising a double guide block having a central boss and front and rear bosses, a central transverse opening through said block to accommodate the outer end portion of an axle beam, a pin in the end portion of the said axle beam, the upper and lower extensions thereof engaging in the bores formed in the said central boss, a brake anchorage plate having projecting sides and ends thereon, guides members slidably engaging with the front and rear bosses of the guide block, the said guide block and guide members being housed within said brake anchorage plate, and clamping bolts securing the said guide members to the upper and lower projecting ends of the said brake anchorage plate.

2,119,756

**PLOW**

Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 27, 1937, Serial No. 122,582
3 Claims. (Cl. 97—100)



1. In a convertible plow of the class described, the combination of a plurality of plow bottoms, a longitudinally extending plow beam connected to each of said bottoms, respectively, a common draft member, said plow beams being detachably connected to said common draft member in laterally spaced relation, a supporting wheel for the plow, and means for connecting said supporting wheel to said beams including means for adjusting said wheel laterally inwardly to occupy the space vacated by the adjacent plow beam when the latter is removed.

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2,119,757

**CLUTCH**

Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 27, 1937, Serial No. 122,584
2 Claims. (Cl. 192—62)



1. In a clutch of the class described, a rotatable driven member having means on the periphery thereof providing a camming surface including a detent notch, means providing a second peripheral camming surface offset axially on said member from said notched camming surface, and a separately supported detent member adapted to normally seat in said notch to hold said driven member against rotation, but movable out of said notch to permit rotation of said driven member, and means connected with said detent member adapted to follow said second camming surface during rotation of said member, for holding said detent member in engagement with said first camming surface to insure that said detent member is returned into position to seat in said notch.

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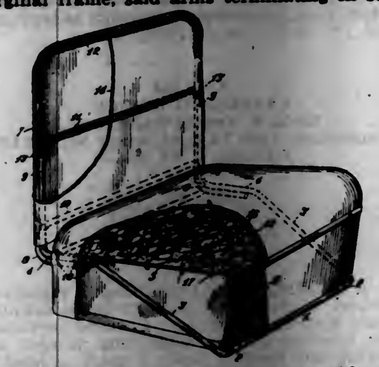
2,119,758

**SEAT CONSTRUCTION FOR MOTOR VEHICLES AND THE LIKE**

Louis A. Suckoff, Wilmette, Ill.; Pauline G. Suckoff, administratrix of said Louis A. Suckoff, deceased, assignor to Nachman Spring-Filled Corporation, Chicago, Ill., a corporation of Illinois
Application February 28, 1935, Serial No. 8,678
7 Claims. (Cl. 155—5)

1. A tiltable seat structure comprising a floor supported spring-filled seat cushion equipped with a relatively rigid marginal frame secured to the upper-most portions of the marginal springs of said cushion, a pair of side arms pivotally secured at their lower forward ends to the floor on an axis substantially coincident with the lower front corner of the cushion and secured between their ends to the rear corners of said marginal frame, said arms terminating in sub-





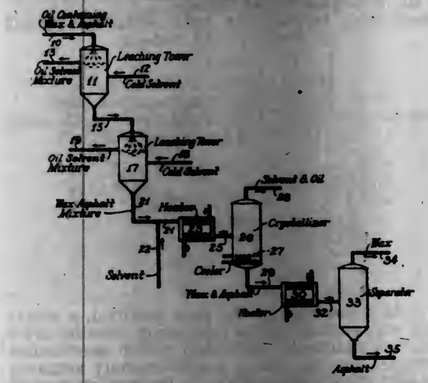
stantially upright arms constituting the side rails of a back structure, and a yielding member secured to said side rails to form a back-rest for said cushion, said arms being adapted to move pivotally responsively to loads on said cushion and to be tilted forwardly to similarly tilt said cushion.

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2,119,759

**SEPARATION OF WAX**

Kenneth L. Wallin, San Pedro, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application October 29, 1935, Serial No. 47,276
7 Claims. (Cl. 196—20)

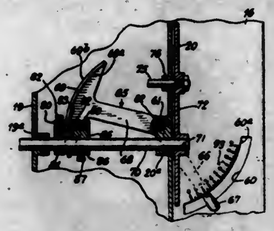



3. A process for resolving an asphalt-wax mixture obtained from an oil containing same, said mixture still containing residual oil dissolved therein, which comprises treating said oil-containing asphalt-wax mixture with a solvent having preferential solubility for oil under conditions whereby substantially all of said residual oil is removed from said asphalt-wax mixture, separating the thus de-oiled asphalt-wax mixture from the solvent and the thus removed residual oil, heating the thus de-oiled asphalt-wax mixture to a temperature at which the wax is liquefied, but the asphalt remains in a solid state, and removing the solid asphalt from the thus liquefied wax.

2,119,760

**SLICING MACHINE**

Harry Weiner, Brooklyn, and Edward I. Friedman, New York, N. Y., assignors to General Slicing Machine Co. of New York, Inc., New York, N. Y., a corporation of New York
Application September 26, 1934, Serial No. 745,534
2 Claims. (Cl. 146—102)



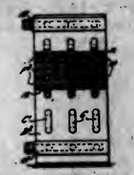
1. In a slicing machine, the combination of a base, a rotary blade mounted on said base and having its axis of rotation in a horizontal plane, a rod slidably mounted on said base, a gauge plate fixed to said rod for movement therewith, said gauge plate being parallel to said blade, a plate and a block mounted on said rod whereby to form a slot therebetween, a spring pressed rounded plunger mounted in said block, and means for adjusting the position of said gauge plate with respect to said blade, said last named means comprising a lever pivotally mounted on said base, and having an arm at one end thereof provided with a cammed flange, said flange being adapted to be received in said slot whereby said plate is adapted to serve as an abutment bearing against the outer surface of said flange transmitting the pressure exerted by the material against the gauge plate, said plunger being adapted to press against the inner surface of said flange, whereby to cause sliding movement of said rod upon pivotal movement of said lever.

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2,119,761

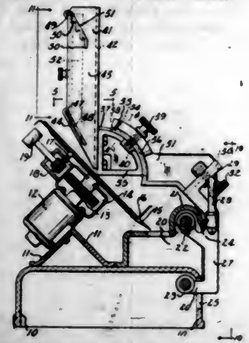
**HEAT INTERCHANGE DEVICE**

Clinton H. Wentworth, Los Angeles, Calif.
Application June 18, 1935, Serial No. 27,222
2 Claims. (Cl. 257—255)



1. A heat interchange device comprising a plurality of parallel tubes arranged in adjacent rows disposed in spaced relationship with the similar tubes of all of said rows in transverse alignment; and a single series of radiating fins, each of said fins being disposed between similar adjacent tubes of the several rows and being corrugated to form alternate crests closely engaging adjacent tubes and intermediate connecting walls extending between the tubes of the several rows, relatively spaced portions of each of said crests having depressions formed therein with the depressions of the several crests longitudinally aligned to receive the respective tubes.

**2,119,762**
**MEAT SLICING MACHINE**
**Augustus L. Wilson, San Antonio, Tex.**
**Application July 5, 1935, Serial No. 29,805**
**2 Claims. (Cl. 146—102)**



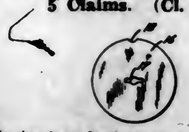
1. In a slicing machine of the character described, a supporting frame, a rotary cutter blade mounted on said frame, an adjustable gage plate associated marginally with said blade, the plate being movable to locate its face in different planes parallel with the face of the blade for varying the thickness of the slice, a carriage mounted on the frame to reciprocate transversely with respect to the gage plate and cutter blade, a bracket member mounted on the carriage to reciprocate therewith, said bracket member having a hollow arcuate end portion opposed to said gage plate and cutter blade and formed on a radius from a plane approximately that of the face of the cutter blade, a quadrant having a counterpart peripheral portion rotatably fitted to said hollow arcuate portion of the bracket member and being thereby adjustably supported, means for releasably locking said quadrant in its adjusted positions, and a meat holder mounted on a radial side of said quadrant with the end of its meat-supporting bottom terminating in close proximity to the axis of the quadrant.

**2,119,763**
**TUBING CATCHER**
**Robert A. Wilson, Dallas, Tex.**
**Application July 8, 1935, Serial No. 30,300**
**5 Claims. (Cl. 103—219)**



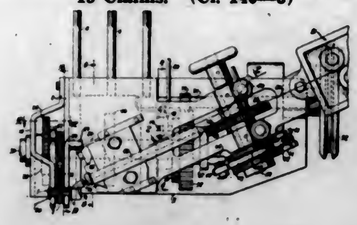
1. A tubing catcher including a stem, said stem having a thickened end portion which merges into the adjacent portions of the stem through a shoulder, a coupling member threaded onto said thickened portion and forming a second shoulder, an expander body cast on said stem and enclosing said shoulders to transmit the load from said expander to said coupling, jaws arranged to be expanded by said expander body, and means on said stem for causing expansion of said jaws when the catcher is dropped.

**2,119,764**
**FASTENING DEVICE**
**Royal A. Young, Walsh, Colo.**
**Application April 10, 1937, Serial No. 136,107**
**5 Claims. (Cl. 85—5)**



1. A fastening device comprising: a supporting member; a perforated resilient plate mounted in said supporting member; a second perforated plate mounted in said supporting member and covering said resilient plate; a shaft; a head on one extremity of said shaft; prongs projecting oppositely outward from adjacent the other extremity of said shaft, each of said plates being perforated for the passage of said shaft, each of the perforations having oppositely extending slots for the passage of said prongs, the slots in said resilient plate being out of alignment with the slots in said second plate.

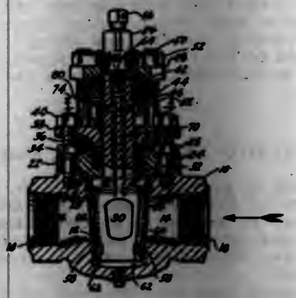
**2,119,765**
**MACHINE FOR COUPLING UPHOLSTERY SPRINGS**
**Fred R. Zimmerman, Chicago, Ill., assignor to Nachman-Springfilled Corporation, Chicago, Ill., a corporation of Illinois**
**Application February 18, 1937, Serial No. 126,355**
**15 Claims. (Cl. 140—3)**



1. In a machine of the kind specified, a rotatable wire coiling head, a constantly rotating drive shaft, a manually controlled clutch mechanism actuated by said shaft, a countershaft actuated by said clutch mechanism, a Geneva movement member actuated by said countershaft, a gear train including the driven member of said Geneva movement connecting said coiling head with said countershaft for effecting rotation of said head during a predetermined portion of each complete revolution of said countershaft, a wire feeding mechanism actuated by said countershaft during a portion of each revolution of the latter wherein said coiling head is idle, and a wire cutting mechanism actuated by said countershaft for effecting cut-off of a length of wire fed through said head at the instant of completion of the wire feeding operation and the beginning of rotation of said head.

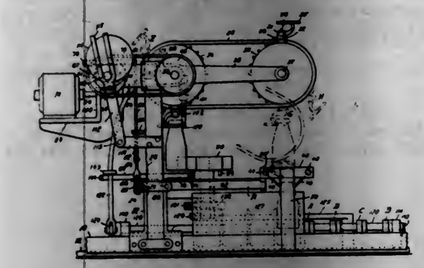


**2,119,766**
**VALVE**
**Joseph E. Aderhold, Jr., and Oliver E. Duemler, Los Angeles, Calif., assignors to Walworth Patents Inc., Boston, Mass., a corporation of Massachusetts**
**Application January 7, 1936, Serial No. 57,914**
**12 Claims. (Cl. 251—93)**



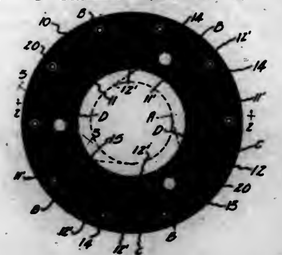
1. A lubricated plug valve comprising a body member having a valve seat provided with transverse fluid passageways, a valve member engaging said seat and provided with a port adapted to register with said passageways when the valve is in open position, a stem extending from said valve member, a lubricant reservoir in said stem, means for conveying lubricant separately from said reservoir to the seating surfaces adjacent each of said passageways when the valve is in closed position and to the seating surfaces intermediate said passageways when the valve is in open position, and means carried by said stem and operable on said conveying means to confine said lubricant to the conveying means leading to a selected seating surface.

**2,119,767**
**CRATING APPARATUS**
**Emil Andersen, Briarcliff Manor, N. Y.**
**Application November 1, 1934, Serial No. 751,004**
**15 Claims. (Cl. 226—14)**



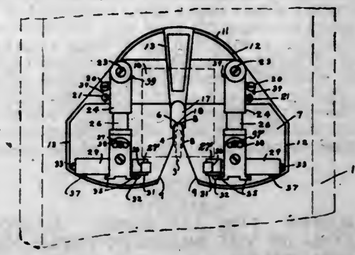
1. Apparatus for depositing containers in a crate comprising a support, means for feeding containers to said support, means for feeding crates, said support being disposed above the level of the upper ends of the crates, an endless carrier, transfer means thereon for successively engaging the containers on said support and movable in a single plane to feed them to a position above the crate into which they are to be deposited, means controlled by the containers fed to said support for moving said endless carrier and transfer means, and means operable on said endless carrier for lowering the transfer means and depositing the containers in the crate.

**2,119,768**
**GRINDING PLATE**
**David S. Anthony, San Antonio, Tex.**
**Application January 13, 1936, Serial No. 58,815**
**3 Claims. (Cl. 83—3)**



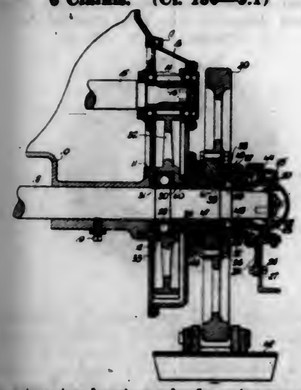
2. A grinding plate including, a disk having a circular opening through the center thereof, separate grinding teeth on one face of the disk arranged in concentric rows and covering the entire surface of the disk, the disk being slotted on lines tangential to a concentric circular line within the central opening of the disk and the portions of the disk between the slots being offset with curvature out of alinement with the plane of the rest of the disk from the side opposite to that on which said teeth are provided.

**2,119,769**
**CUTTING MACHINE KNIFE SHARPENER AND STANDARD PROTECTOR**
**David Bernard Ashman, Baltimore, Md.**
**Application June 4, 1937, Serial No. 146,393**
**4 Claims. (Cl. 51—250)**



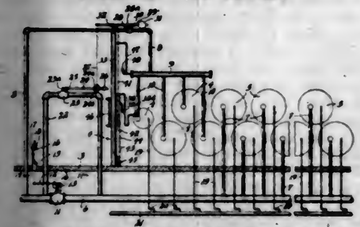
1. A device of the class described comprising in combination, a base plate adapted to rest on a cutter machine table, and having its front portion arranged with a fan-like opening to permit the base to be fitted against the support standard of the cutter machine and out of the travel of the knife thereof, a column member mounted on the base plate, an arm pivoted on the said member, a plunger adjustably secured in the arm, a holder attached to the plunger and adapted to be positioned adjustably in variable planes with respect thereto, a supporting stem for the holder arranged to support same in variable angles longitudinally and transversely with respect to the cutting edges of said knife, a handle in the holder having an enlarged winged body, a stone support in the holder connected with the stem and the handle, the handle being arranged for manual manipulation of the stone support.

2,119,770
**FINAL DRIVE MECHANISM FOR CRAWLER TRACTORS**
William O. Bechman, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 21, 1936, Serial No. 101,708
6 Claims. (Cl. 180—9.1)



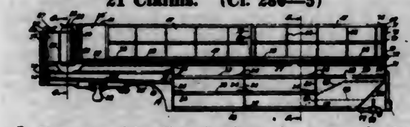
1. In a tractor having a body, a transverse dead axle carried thereby, a housing at the side of the body through which the axle extends to expose said end at the side of the housing, the combination with said axle of a final drive mechanism for a crawler track comprising a bearing carried on the axle inside the housing, a second bearing spaced therefrom and carried on the axle outside the housing adjacent the end of the axle, a gear journaled on the first bearing inside the housing and having a sleeve around the axle extending laterally outwardly through an opening in said housing, a drive sprocket wheel journaled on the second bearing exteriorly of the housing and having a sleeve telescoping the sleeve on the gear, the sprocket wheel sleeve being connected to the gear sleeve whereby the gear and sprocket wheel turn together, a spherical pivot block secured to the end of the axle, a track frame, a socket member for rockably connecting said frame to said block and to the end of the axle adjacent the outer face of the sprocket wheel, and a seal structure surrounding the axle and disposed between the socket member and outer face of the sprocket wheel.

2,119,771
**APPARATUS FOR SECURING UNIFORM DRYING OF THE SHEET IN PAPER MAKING MACHINES**
Arthur E. Broughton, Neenah, Wis.
Application September 16, 1935, Serial No. 40,754
5 Claims. (Cl. 34—48)



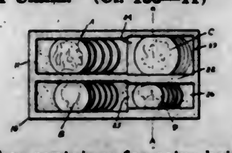
4. In a paper making machine, a plurality of driers over which the sheet passes, a steam line for supplying all of said driers, a main valve controlling the supply of steam through at least a portion of said line, a by-pass around said main valve, an auxiliary valve in said by-pass, a pressure responsive device for operating said auxiliary valve, means connecting said pressure responsive device to a certain section of said driers most closely adjacent the wet end of the machine, said pressure responsive device acting to more widely open said auxiliary valve as the pressure in said certain section drops slightly below a certain constant and acting to tend to close said auxiliary valve as the pressure in said certain section rises slightly above said certain constant.

2,119,772
**COMBINATION TRAILER TANK AND STAKE BODY**
Ferdinand C. Buchanan, Kansas City, Mo., assignor, by direct and mesne assignments, of one-half to Andrew A. Kramer, Kansas City, Mo., and one-half to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application June 25, 1934, Serial No. 732,235
21 Claims. (Cl. 280—5)



5. In a combination tank and express body, a combination underframe and tank body comprising a plurality of longitudinally extending vertical web portions and a plurality of transversely extending vertical web portions secured together to form a load carrying framework, top, bottom and side walls secured to said web portions, said walls and web portions collectively forming a plurality of adjacent tank compartments, said bottom wall having an upward offset at one end thereof to provide a reduced end portion at one end of said tank body, and said top wall being substantially flat to provide a load supporting bottom, an express body overlying said tank body and terminating short of said tank body at said reduced end thereof, and filling means for said compartments comprising elongated tubular members extending upwardly from said reduced end portion of said tank body beyond the end of said express body.

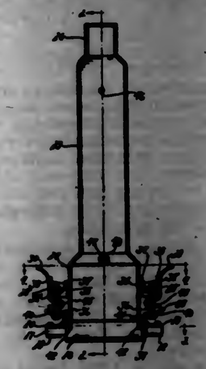
2,119,773
**COIN CONTAINER AND ASSORTER**
Ernest G. Buckner, North Hollywood, Calif.
Application October 20, 1933, Serial No. 694,413
1 Claim. (Cl. 133—11)



An all-rubber container for coins being formed with longitudinally spaced apart channels the walls of which are sufficiently resilient to frictionally pinch coins disposed therebetween with an intermediate partition and end walls, the end walls having their inner faces formed with oblique parallel surfaces, the partition having its opposing faces obliquely inclined in the same direction as the end walls.

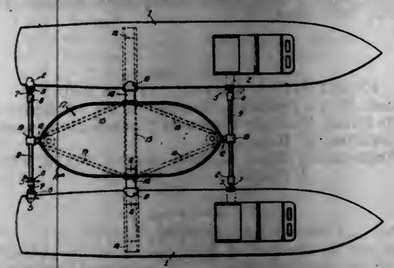


2,119,774
**HAIR WAVING DEVICE**
Ernest C. Chauncey, Detroit, Mich.
Application August 14, 1935, Serial No. 36,085
3 Claims. (Cl. 132—36)



1. A device of the class described, comprising: a clamping frame embodying a pair of oppositely-disposed, relatively-movable side bars; a flexible covering for the major portion of each of said side bars; means for moving said side bars relatively to each other for compressing the covering of one against the covering of the other; a housing open at one end and mounted with its open end in engagement with one face of said clamping frame; engagement members carried by said frame, each of said engagement members having a portion extended parallel to said frame terminating in an inclined portion, there being a slot formed through said inclined portion and extending into said parallel portion; swingably mounted keepers on said housing; and a head-bearing member carried by each of said keepers and adapted for swinging into said slots for moving said housing into sealing engagement with said frame and locking the same in such engagement.

2,119,775
**BOAT STRUCTURE**
Irwin Chase, Bayonne, N. J., assignor to Electric Boat Company, Groton, Conn., a corporation of New Jersey
Application December 24, 1934, Serial No. 758,981
5 Claims. (Cl. 114—61)



1. In combination in a boat structure of the character described, two hulls disposed in spaced parallel relation, two spars extending between the hulls substantially perpendicular thereto and spaced apart lengthwise of the hulls, universal connections between the ends of the spars and the hulls, a platform structure disposed between the spars and the hulls and spaced from the latter, coaxial trunnions rigid with and projecting from the sides of said structure midway of the length thereof and fitting in the hulls transversely thereof for relative turning and sliding movements, and connections between the ends of said structure and said spars comprising interengaging coaxial members having relative turning and sliding movements on an axis extending between and parallel to said hulls, and disposed for supporting said structure while accommodating relative movement between the latter and said spars.

2,119,776
**OUTLET DUCT**
Martin M. Clayton, Baden, Pa., assignor to National Electric Products Corporation, Pittsburgh, Pa., a corporation of Delaware
Application October 28, 1935, Serial No. 47,064
Renewed November 2, 1937
3 Claims. (Cl. 247—3)



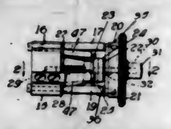
1. In a multiple outlet duct comprising a trough and a cover having prong-receiving openings provided therein at spaced intervals, means for mounting conventional conductor wire having spaced contact clips thereon in said duct formed as members of resilient insulating material spaced from each other in the duct trough in registry with the prong-receiving openings of the duct cover, the said members being provided with means arranged to receive and in assembly resiliently to engage the conductor wire and the clips.

2,119,777
**OUTLET DUCT**
Martin M. Clayton, Baden, Pa., assignor to National Electric Products Corporation, a corporation of Delaware
Application May 4, 1936, Serial No. 77,705
5 Claims. (Cl. 247—28)



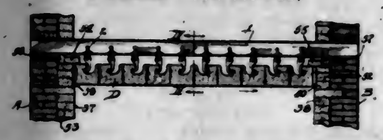
1. A mounted electrically conductive assembly for installation in an elongate housing to compose a multiple outlet duct, comprising at least one insulating body formed to contain spring contact clips and to admit attachment plug prongs thereto, contact clips in the form of U-shape members of light gauge metal each arranged in said insulating body to present its open end for the reception of a contact plug prong between its leaves, and conventional conductor wires each bonded to the outer surface of a contact clip leaf adjacent the free end of the leaf to make physical and electrical assembly with the contact clips without obstructing the passage between the leaves of the clips; whereby each contact clip presents to an attachment plug prong the interval between both leaves of the clip and has its full depth available to receive such prong.

2,119,778
**ELECTRICAL SIGNAL SWITCH**
William P. Crockett, Jr., Chicago, Ill., assignor, by mesne assignments, to William P. Crockett, Chicago, Ill.
Application April 25, 1936, Serial No. 76,366
4 Claims. (Cl. 200—16)



1. In an electrical signal switch the combination of a handle, a signal spring, a spring connected with a source of power, a contact stem adapted to electrically connect said springs, a swinging flat latch, said latch and said stem having cooperative means for making and breaking said electrical connection, said means consisting of a segmental inclined cam cut in one surface of said latch and an inclined surface in said stem with which said segmental inclined cam connects, said flat latch being pivoted to cause said segmental inclined cam surface to travel on the inclined surface of said stem because of the turning of said handle, a coil spring, the action of the handle being partly controlled by the spring, one end of the spring being attached to said flat latch adjacent its pivoted end and the other end to a stud integrally secured to said handle.

2,119,779
**ARCH CONSTRUCTION**
George P. Crysler, Chicago, Ill.
Application February 10, 1936, Serial No. 63,147
6 Claims. (Cl. 110—99)



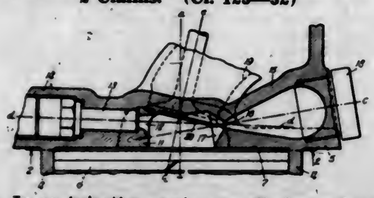
1. A suspension refractory arch construction wherein every block is individually supported by a single hanger; including a beam having its lower surface provided with a plurality of longitudinally extending, longitudinally spaced substantially cylindrical portions serving as supports for suspension hangers; a series of suspension hangers having at similar ends open jaws of substantially circular form for engaging about said cylindrical portions for limited oscillation thereon and having at their other ends J-shaped hooks; and a series of refractory blocks, every block having a recessed upper end including an entrance opening of less extent than the distance between two opposite walls of said block and with a downwardly extending nose within the recess for receiving the hook end of a hanger, with one block to a hanger; the said entrance openings being of such size as when a block is applied to its hanger the hook end of the hanger may be swung within the opening to permit movement of the block in the direction of the length of the hanger to move the block nose past the hanger hook without displacing, disturbing, or moving any adjacent blocks and without the hook end of said hanger projecting laterally outwardly of said opening, the block nose engaging the hanger hook after the nose has passed the hanger hook and the hanger has swung in reverse direction.

2,119,780
**AGGREGATE HANDLING APPARATUS**
Henry O. Curtis, Des Moines, Iowa
Application April 17, 1937, Serial No. 137,480
6 Claims. (Cl. 214—110)



1. In an aggregate handling apparatus, a wheeled container having open ends, doors for said ends, a bail pivotally connected to said container for reversal relative thereto for pulling said container in either direction, and an operative connection between said bail and said doors to close one door when the bail extends in one direction and to close the other door when the bail extends in the other direction.

2,119,781
**INJECTION ENGINE**
Hans Fischer, Crestwood, N. Y., assignor to Lanova Corporation, New York, N. Y., a corporation of Delaware
Application April 20, 1936, Serial No. 75,343
2 Claims. (Cl. 123—32)



1. In an injection engine, a cylinder and a piston operating therein, a main combustion chamber overlying and opening into the cylinder area, said chamber comprising in plan a constriction and substantially circular lobes at opposite sides thereof, an air storage chamber opening into said combustion chamber at one side of said constriction through a restricted orifice, and an injection nozzle having its port at the opposite side of said constriction in substantial alignment with said orifice for injecting fuel toward the latter, said constriction defining at said opposite side thereof a point element effective for splitting a fluid stream ejected through said orifice toward said element and for diverting the portions of the split stream into said lobes, the latter increasing in height and volume from the side thereof adjacent said orifice toward the side thereof adjacent said element.

2,119,782
**ELECTRICAL COVER ATTACHMENT**
James M. G. Fullman, Sewickley, Pa., assignor to National Electric Products Corporation, a corporation of Delaware
Application May 4, 1936, Serial No. 77,828
4 Claims. (Cl. 247—37)

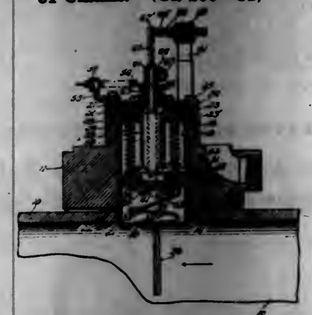


1. In an electrical multiple outlet duct comprising an elongate housing having a base and side walls and a cover strip adapted to be supported by the side walls of the housing to enclose the elongate housing channel, and a conductive



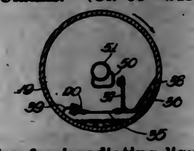
assembly housed in the channel of the housing and comprising elongate insulated conductors, contact elements in electrical contact with the conductors, and insulating blocks providing mounting for the contacts and conductors; a plurality of tubular posts in longitudinally spaced arrangement in the intervals between insulating blocks and projected perpendicularly from the base of the housing, said tubular posts being each interiorly threaded and formed to present smooth non-abrasive surface to the elongate conductors in the housing channel, and longitudinally spaced openings for the insertion of connecting members through the cover in vertical alignment each with the bore of one of the tubular posts.

2,119,783
**FLOW AND PRESSURE RESPONSIVE INDICATOR**
James R. Harrington, Mansfield, Ohio, assignor, by mesne assignments, to The Autocall Company, Shelby, Ohio, a corporation of Ohio
Application January 18, 1936, Serial No. 59,796
31 Claims. (Cl. 200—81)



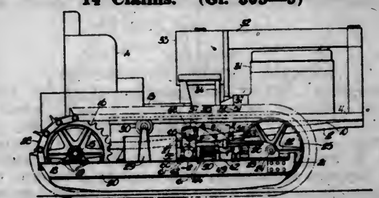
1. In apparatus of the class described, the combination with a fluid conduit, of a flow responsive member in said conduit, contact mechanism responsive to motion of said flow responsive member, and a pressure responsive member mounted to have tilting movement in response to pressure conditions in said conduit, said flow responsive member transmitting motion to said contact mechanism through said pressure responsive member.

2,119,784
**LIQUID STERILIZING DEVICE**
Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application July 16, 1935, Serial No. 31,723
Renewed November 27, 1937
7 Claims. (Cl. 99—248)



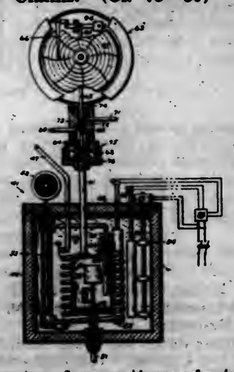
1. In a device for irradiating liquids the combination of a supporting structure, a cylinder rotatably mounted in a downwardly inclined position on said structure, means for rotating said cylinder whereby the liquid flows down the bottom of the cylinder and is picked up as a film by the cylinder at the side which is moving upwardly, means for delivering liquid to be treated to the upper end of said cylinder, means within the cylinder extending axially thereof spaced with respect to the wall for controlling the thickness of the milk film adhering to the wall of the cylinder, said means being positioned near the bottom of the cylinder at the side moving in an upward direction, means in the cylinder near the bottom at the side moving downwardly for removing the film therefrom, and means for generating ultra-violet radiations extending axially of the cylinder centrally thereof.

2,119,785
**TRACK TYPE TRACTOR**
Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application February 24, 1936, Serial No. 65,337
14 Claims. (Cl. 305—9)



1. In a tractor having a longitudinal central body and longitudinal side frames arranged on opposite sides thereof with their rear ends pivotally attached to the rear portion of the body on a transverse axis for swinging movement in parallel planes, a transverse equalizer bar having a central weight transmitting connection with the forward portion of the body and having its ends respectively mounted on the side frames, a stabilizer for each side frame comprising a crank, each crank having a transverse inwardly extending shaft portion rockably mounted in a bearing carried by the body and an outwardly extending parallel shaft portion rockably mounted on a bearing, the cheek portions of the cranks spanning the proximate ends of the equalizer bar, another parallel shaft for each stabilizer journaled on each side frame, and an upright swingable bracket mounted on each of the last mentioned shafts to support the bearings for the respective outwardly extending shaft portions of the cranks.

2,119,786
**VOLATILITY TESTER**
Floyd L. Kallam, Huntington Park, Calif.
Application July 20, 1935, Serial No. 32,365
7 Claims. (Cl. 73—50)

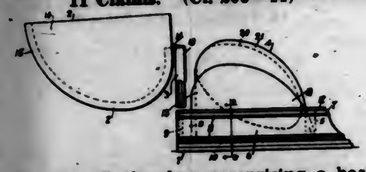


5. In apparatus for continuously testing the volatility of a liquid flowing in a closed duct, a

closed evaporation cup interposed in said duct, means automatically operative to maintain a fixed temperature in and at said cup, means to measure the vapor pressure in said cup, a jet nozzle operative to deliver the liquid from the duct to the liquid in the cup, and means whereby the jet is arranged to entrain vapor from the cup as it is discharged into the liquid in the cup.

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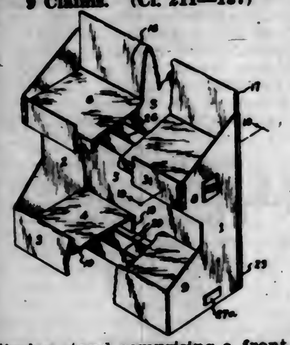
**2,119,787**
**WATCH DISPLAY BOX**
**Benjamin S. Katz, Cincinnati, Ohio, assignor to The Gruen Watch Company, Cincinnati, Ohio, a corporation of Ohio**
**Application April 13, 1936, Serial No. 74,062**
**11 Claims. (Cl. 206—44)**



6. A watch display box comprising a base, a top support secured to said base by a tongue and groove connection, a top pivoted on said top support and a watch support removably secured to said base, said watch support being adapted to support a wrist watch secured therearound in a desired angular position and in spaced relation to said top.

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**2,119,788**
**DISPLAY STAND**
**Robert S. Kieffer and Walter A. Schenke, Cincinnati, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio**
**Application June 25, 1935, Serial No. 28,337**
**9 Claims. (Cl. 211—137)**

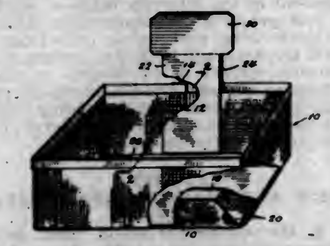


1. A display stand comprising a front, a back and side walls, an upper and a lower shelf in terraced stepped relation, said upper shelf formed integral with said back wall in one blank and said lower shelf formed integral with said front wall in a second blank.

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**2,119,789**
**CONTAINER**
**Ray W. Kreut, Paterson, N. J., assignor to Charms Company, Bloomfield, N. J., a corporation of Delaware**
**Application June 13, 1936, Serial No. 84,987**
**4 Claims. (Cl. 150—50)**

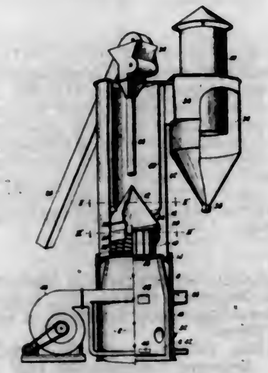
2. A container comprising a strip of material bent into shape to constitute up-standing sides of the container and permitting the contents to be viewed therethrough, a bottom having upper and lower layers with their edges arranged to receive the lower edge of said material between them, said material being glued to said bottom,



and a cardboard extension at one side of said container, said extension comprising two layers between which the ends of said material are received and held fast; the extension being of greater height than the sides of said container to form a panel for display.

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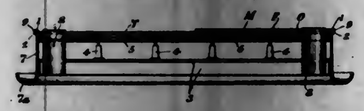
**2,119,790**
**APPARATUS FOR MANUFACTURING DRIED FEED**
**Wallace L. McGehee and Harold W. Luhnow, Kansas City, Mo.**
**Application January 18, 1937, Serial No. 121,124**
**11 Claims. (Cl. 34—34)**



1. In an apparatus of the character described, a vertically disposed dehydrating chamber; a stationary distributor, provided with vertical openings arranged in a circle, axially arranged within said dehydrating chamber; ribs on the distributor, extending into the openings for directing the air into spiral paths as it passes through the openings; a duct within the chamber and disposed to discharge green feed downwardly upon said distributor; a partition circumscribing the duct and setting off an annular space of appreciable length within the dehydrating chamber for the reception of feed after its engagement with the distributor; and a furnace for directing currents of hot air upwardly through the openings in the distributor and thereafter spirally upwardly through said space.



**2,119,791**
**APPARATUS FOR PRODUCING SCREEN STRUCTURES**
**David F. Newman, Rockville Centre, N. Y., assignor to Trans-Lux Corporation, a corporation of Delaware**
**Original application January 14, 1931, Serial No. 508,668. Divided and this application September 13, 1934, Serial No. 743,785**
**1 Claim. (Cl. 18—39)**



A molding table utilizable for the production of a screen structure, said table comprising means forming a horizontal surface for the reception of viscous material, a wall around said horizontal surface, a core upstanding from said horizontal surface, said core being closely adjacent one side of said table and the area of said surface being many times the area of said core, means disposed below said surface and adjacent said core for heating said surface, the viscous material being disposed on said horizontal surface and around said core to thereby form an apertured screen structure.

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**2,119,792**
**RAZOR WITH ADJUSTABLE HANDLE**
**Winfred T. Parkin, Providence, R. I., assignor to Theodore W. Foster & Bro. Co., Providence, R. I., a corporation of Maine**
**Application June 1, 1935, Serial No. 24,506**
**1 Claim. (Cl. 30—39)**

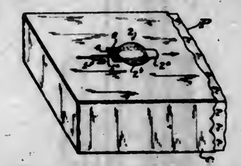


A safety razor comprising a blade holder having an extension in the form of a bifurcated spherical member, a handle having a tubular end portion which is internally threaded, an element pivotally connected to the bifurcated member and having a threaded extension normally in engagement with the tubular end of the handle, said element having arcuate grooves to be engaged by the tubular end of the handle, said bifurcated member having a plurality of pairs of grooves to be moved into alignment with the grooves of said element so that the screw-threaded connection between the stud and handle may be tightened to bring the tubular end of the handle into locking engagement with one of said pairs of arcuate grooves and into engagement with the grooves of said element.

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**2,119,793**
**PACKAGE OPENING DEVICE**
**William H. Plageman, Cleveland, Ohio**
**Application March 25, 1935, Serial No. 12,835**
**9 Claims. (Cl. 229—51)**

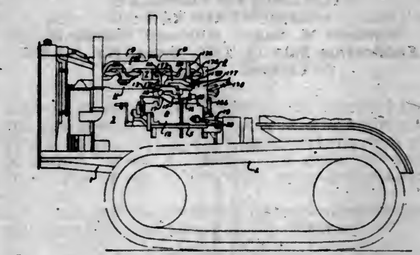
1. In combination with a wrapped package having an opening in the wrapping thereof, an opening device comprising a tearing member with its one end engaging the edge of the opening, an operating tab for said tearing member, said tab being located entirely outside the opening, and



a pivotal connection between said tab and the other end of said tearing member whereby said tab extends entirely over so as to seal said opening during shipment and storage of the package.

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**2,119,794**
**ENGINE STARTING MEANS**
**Carl G. A. Rosen, Oakland, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California**
**Application October 10, 1933, Serial No. 692,964**
**7 Claims. (Cl. 123—179)**



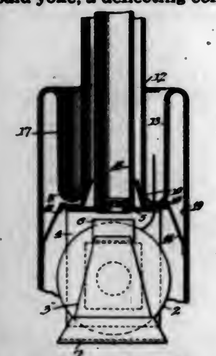
1. A starting method for a primary compression ignition and the like engine having an auxiliary starting engine, comprising relieving compression in the cylinders of the primary engine, operating the auxiliary engine to effect circulation through the primary engine of, cooling medium heated by the auxiliary engine and to introduce air heated by the auxiliary engine into the cylinders of the primary engine, establishing a drive connection from the auxiliary engine to the primary engine with the fuel injection system thereof disabled, placing compression on fewer than the full number of cylinders of the primary engine, and after a cylinder of the primary engine has been heated sufficiently enabling the fuel injection system of the primary engine.

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**2,119,795**
**COMBINED ELECTRIC AND MAGNETIC DEFLECTING SYSTEM FOR CATHODE RAY TUBES**
**Ernst Ruska and Erich Schwartz, Berlin-Zehlendorf, Germany, assignors to the firm of Fernsch Aktiengesellschaft, Zehlendorf, near Berlin, Germany**
**Application June 6, 1936, Serial No. 83,978**
**In Germany June 19, 1935**
**4 Claims. (Cl. 250—27.5)**

1. In a cathode ray tube, deflecting electrode mounting means comprising a reentrantly folded annular envelope portion, a conical supporting and conducting element adapted to inwardly engage said annular envelope portion, a bi-furcated yoke fixed to said conical element, a spool of

insulating material fixed to each bi-furcated portion of said yoke, a deflecting coil wound about



each of said spools, and a deflecting plate fixed upon each of said spools.

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2,119,796
**FOUNTAIN PEN**
Solomon M. Sager, Hubbard Woods, Ill.
Application July 10, 1937, Serial No. 152,905
20 Claims. (Cl. 120—47)



1. A fountain pen comprising a barrel having means therein defining an annular seat, a filler unit in said barrel having a base seated on said seat, said filler unit comprising a multiple type bulbous structure of resilient rubber, or the like, and a plunger means, when in normal closed position having a telescoping engagement with the bulbous structure, and when in an operating position having a connection with the bulbous structure to operate the same with the reciprocation of the plunger means to fill the barrel.

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2,119,797
**SLIP TYPE RELEASING SOCKET**
Sisti Siracusa, Huntington Beach, Calif.
Application February 5, 1936, Serial No. 62,407
2 Claims. (Cl. 294—102)

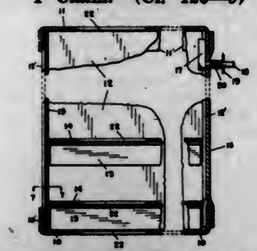
1. A slip type releasing socket comprising a shell, a slip assembly in the shell including a ring, a plurality of fingers depending from the ring, wickers on the inner face of each of said fingers, said slip assembly having a vertical slot between adjacent fingers and a bayonet slot extending from the vertical slot, a pin projecting inwardly from the shell into the bayonet slot, said fingers being sprung inwardly to grip a fish, and a tapered seat in the shell against which the fingers bear in lowered position, lugs on the tapered seat adapted to enter the slot between the fingers



whereby the slip assembly is non-rotatably held when in lowered position.

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2,119,798
**COLLAPSIBLE OVEN**
William F. Sivey, Tecumseh, Nebr.
Application March 4, 1937, Serial No. 128,958
1 Claim. (Cl. 126—9)



A collapsible oven having a tray-like top and bottom with inturned flanges on all of the edges thereof, side walls with lateral inturned flanges, shelf brackets secured to said side walls and terminating short of said side wall flanges, a rear wall seated between the inner surfaces of the flanges of said side walls and the extremities of said shelf brackets, shelves on said shelf brackets, a door for detachably engaging the forward flange of said bottom and a detachable latch for holding said door in closed position, the arrangement being such that said rear and side walls and said shelves and said door may be stored in the space between the said tray-like top and bottom in parallelism with said top and bottom.

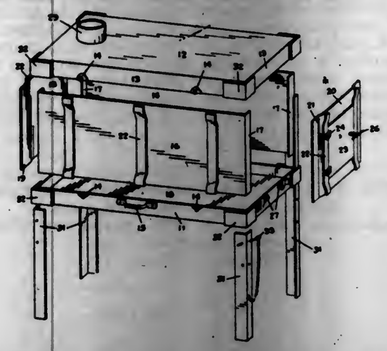
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2,119,799
**COLLAPSIBLE STOVE**
William F. Sivey, Tecumseh, Nebr.
Application April 15, 1937, Serial No. 137,060
1 Claim. (Cl. 126—9)

A collapsible stove having tray like top and bottom with opposing flanges, side walls having lateral inturned flanges and adapted to seat against the opposing flanges of said top and bottom, a rear wall and a front door frame each having offset side portions overlappping the lateral flanges of said side walls with the major portions of the upper and lower edges of said rear wall and front door frame seated against the inner surfaces of the flanges of said top and bottom, and resilient straps vertically secured to



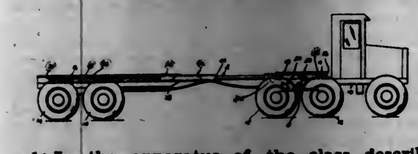
said side walls and said rear walls and said front door frame, the upper and lower portions of said straps being outwardly offset whereby the flanges



of said top and bottom are releasably clamped between said straps and said side walls and said rear wall and said front door frame.

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2,119,800
**TELESCOPING EXTENSION FOR TRUCKS AND TRAILERS**
Roy H. Tull, Long Beach, Calif.
Application May 17, 1937, Serial No. 143,149
2 Claims. (Cl. 280—106)

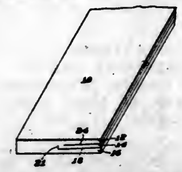


1. In the apparatus of the class described adapted for the use in a truck vehicle and for extending the length of a vehicle frame comprising the front section member and the rear frame section of said vehicle, means connected to said front and rear section of said vehicle frame and slidably associated with each other for extending and holding the respective front section and the rear frame section at a desired distance, an eyelet member having a hooked end, the end of which is connected to the frame of the said rear frame section and extending frontwardly within said slidably engaging means, and a cross rod member transversely positioned within said slidably engaging means of the said front section adapted to engage and hold the said hooked end of the said eyelet member, to prevent the disengagement of the said slidably engaging means of the front and the rear sections of the vehicle, and to provide a safety hold for said rear frame section of the said vehicle, when in extended position.

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2,119,801
**WELTING AND SHOEMAKING THEREWITH**
William C. Vizard, Brockton, Mass., assignor to Barbour Welting Company, Brockton, Mass., a copartnership composed of Perley E. Barbour, Walter G. Barbour, and Richard H. Barbour
Application August 4, 1936, Serial No. 94,166
10 Claims. (Cl. 36—17)

1. Welting for shoes comprising a strand having two longitudinal slits through one edge one slit forming two upper embracing flaps and one slit forming an underlying lasting allowance flange, said lasting allowance flange slit having



a hooked inner edge lying intermediate the two faces of the strand.

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2,119,802
**BASICALLY SUBSTITUTED ENOL AND THIENOL ETHERS AND ESTERS**
Kurt Westphal and Heinrich Klös, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 18, 1934, Serial No. 758,111. In Germany December 20, 1933
18 Claims. (Cl. 260—127)

1. Alkyl ethers of enol compounds of the general formula:

$$R{-}HC{=}C(O{-}alkyl){-}alkylene{-}N(alkyl)_2 \cdot X$$

wherein R stands for a substituent selected from the group consisting of hydrogen and lower alkyl groups, alkyl stands for a lower alkyl group and X stands for an anion selected from the group consisting of the hydroxyl group and the anions of acids.

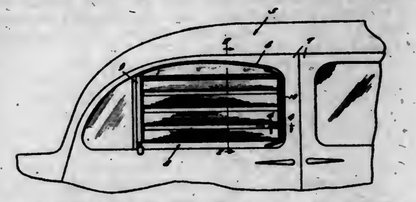
8. The process which comprises reacting upon an acetylene compound of the formula:

$$HC{\equiv}C{-}CH_2{-}N(CH_3)_2 \cdot halogen$$

with an open chain lower aliphatic monohydric alcohol of at most three carbon atoms in the presence of an alkaline condensing agent.

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2,119,803
**SUNSHADE**
Lemual G. Brown, Oklahoma City, Okla.
Application April 20, 1937, Serial No. 138,061
1 Claim. (Cl. 189—62)



In a shade structure for automobile windows wherein a window receiving grooveway is located including frame members; a shade structure interposed between the frame members, one of said frame members being hollow, a barrel extending longitudinally in the said hollow frame member and having one end secured to the said frame member, a lug at the upper portion of the frame member for engaging into the window receiving groove, a foot structure, a shank extending from the foot structure and being slidably disposed into the said barrel, and a coiled compressible

spring in the barrel and interposed between the inner end of the barrel and the inner end of the said shank.

2,119,804
**COMPOSITE FLOOR**
Kenneth E. Crooks, Williamsport, Pa.
Application March 18, 1936, Serial No. 69,554
5 Claims. (Cl. 20—7)



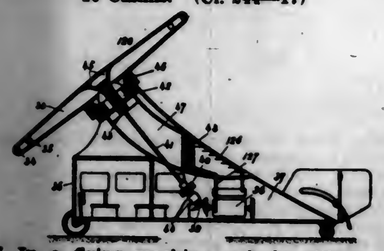
1. A composite flooring comprising a subfloor formed of a plurality of gypsum blocks, a layer of non-drying plastic mastic arranged on the upper surface of said blocks and between the cracks between said blocks, nailing strips arranged on the coating of non-drying plastic mastic and secured to said blocks by nails passing therethrough at an angle into said blocks and strip flooring arranged on said nailing strips and secured to said strips by nails.

2,119,805
**FLY ROD LURE**
Sam F. Davenport, Garrett, Ind., assignor to Creek Chub Bait Company
Application October 9, 1935, Serial No. 44,291
8 Claims. (Cl. 43—42)



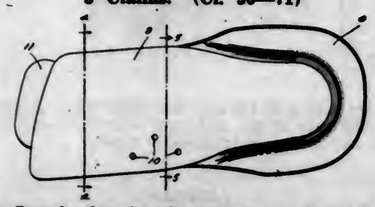
1. A fish lure including a plate having a convex forward side, means for attaching a line to the upper end of the plate, a bar secured to the rear side of the plate intermediate the ends of the latter and forming approximately a right angle therewith, and a fish hook rigidly connected to the bar.

2,119,806
**ROTOR FLYING MACHINE**
Claude Dornier, Friedrichshafen-on-the-Bodensee, Germany
Original application January 10, 1934, Serial No. 706,690. Divided and this application November 11, 1935, Serial No. 49,300. In Germany January 16, 1933
10 Claims. (Cl. 244—17)



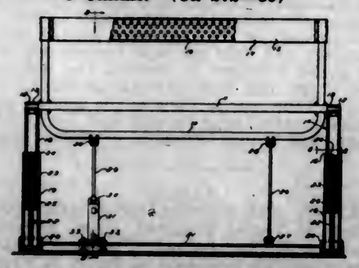
7. In a flying machine, a body with an air channel formed therethrough and opening with its rear end at the outer surface of said body and with its fore end at the front end of said body, a pneumatically operated, substantially hollow propeller rotatably connected with the front end of said body and, for air flow, with the fore end of said channel, blower means located within the fore end of said air channel and having a rotor which extends axially into the interior of said propeller, and providing the interior of said propeller with a current of air, said channel assuring a streamlined flow of the air and reducing resistance to air flow adjacent to said blower means, whereby the operating efficiency of said blower means and of said propeller is increased.

2,119,807
**HEEL AND ARCH CUSHION AND SUPPORT**
Myron M. Farley, Portland, Oreg.
Application January 7, 1936, Serial No. 57,999
Renewed December 9, 1937
3 Claims. (Cl. 36—71)



1. In a heel and arch support, a main cushioning body having a counter integral with the heel portion of the body and extending forwardly to the forward edge of the arch portion of the body, said body having an enlargement projecting upwardly from the top surface thereof and tapering in thickness in all directions, and said body at the forward edge of the arch portion thereof being substantially wedge shaped in cross section and also substantially wedge-shaped in longitudinal section, and a pad secured to the under surface of the main cushioning body and formed of the same material as said body; said pad being disposed substantially centrally between the side edges of the main cushioning body and having an end edge projecting beyond the forward edge of said body, said pad further being substantially wedge-shaped in longitudinal section with its smaller end extended inwardly under the wedge-shaped body.

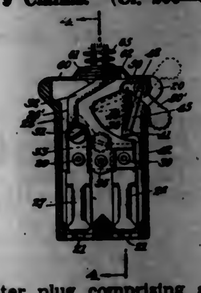
2,119,808
**AUTOMATIC HURDLE**
John B. Fecht, Dubuque, Iowa
Application September 21, 1937, Serial No. 164,937
3 Claims. (Cl. 272—59)



1. An automatic hurdle comprising a pair of telescoping spring controlled standards, a yoke pivotally secured to the upper ends of the standards, a cross bar connected at the ends to the ends of the branches of the yoke, a cross bar connecting the standards, a lever pivotally connected to the last named cross bar and to the yoke for swinging the bottom of the yoke when the first named cross bar is struck, and depressing the standards against the tension of their springs in such manner that expansion of the springs will instantly return the yoke to normal position.



2,119,809
**ELECTRIC PLUG**
Albert E. Grant, New York, N. Y., assignor of nine-twentieths to Branch P. Kerfoot and two-twentieths to Merwin F. Ashley, both of New York, N. Y.
Application September 20, 1935, Serial No. 42,762
9 Claims. (Cl. 200—51)



1. A heater plug comprising a deep molded casing of insulating material having exterior shoulders formed on its opposite sides adjacent its top, a closure cap of resilient metal adapted to fit over the top of the casing and having inwardly extending edge portions adapted to engage said shoulders, conducting means carried within the casing, contacts connected with said conducting means, said cap being perforate to admit current supply wires for connection to said means, and resilient means exerting an upward pressure on said cap to hold the edge portions thereof in engagement with said shoulders, said resilient means comprising inner convolutions of a helical wire guard extending through the cap perforation.

2,119,810
**ELECTRIC PLUG**
Albert E. Grant, New York, N. Y.
Application October 19, 1936, Serial No. 106,299
3 Claims. (Cl. 173—332)



1. A heater plug comprising a deep molded casing of insulating material having exterior shoulders formed on its opposite sides adjacent its top, a closure cap of resilient metal adapted to fit over the top of the casing and having inwardly extending edge portions adapted to engage said shoulders, conducting means carried within the casing, contacts carried by the casing and connected with said conducting means, said cap being perforate to admit current supply wires for connection to said means, and resilient means exerting an upward pressure on said cap to hold the edge portions thereof in engagement with said shoulders, said resilient means comprising an integral inner portion of a resilient rubber guard for said current supply wires extending through the cap perforation.

2,119,811
**RESILIENT INDUCTION MAGNET**
Mason V. Green, Lansing, Mich., assignor to Frank D. Hayes, Lansing, Mich., trustee for F. D. Hayes Electric Company
Application August 20, 1935, Serial No. 36,998
7 Claims. (Cl. 171—269)



1. An induction magnet adapted for generating an induced electric current for operating connected electric instruments and used therewith, comprising a suitable casing provided with a resilient cover section, series of magnet units having adjacent opposite pole ends mounted within the said casing and positioned to engage both the casing wall and the resilient cover section and capable of adjustment of the magnet pole positions by the cover deflection, an induction winding unit on each pair of adjacent magnet pole ends and arranged with their respective terminals connected in a common circuit.

2,119,812
**ABRADING APPARATUS**
Eric O. Hamren, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application May 14, 1936, Serial No. 79,768
18 Claims. (Cl. 51—9)

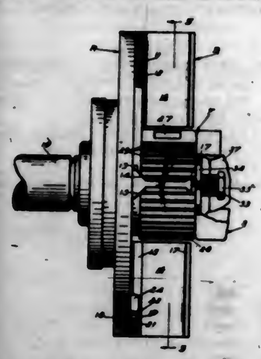


1. For use in an abrading machine, a rotor having at least one outwardly extending guideway provided thereon, an abrasive propelling blade mounted for sliding movement in said guideway, and locking means for restraining said blade against outward movement in response to centrifugal force developed therein through rotation of said rotor, said means comprising a member mounted for sliding guided movement in a direction substantially normal to said guideway and being releasable to permit said blade to be removed from said guideway, said blade having a surface cooperating with said locking means and operable to maintain the latter in locking relationship when said rotor is in operation.

2,119,813
**ABRADING APPARATUS**
Walter L. Keefer, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Original application May 13, 1936, Serial No. 79,559. Divided and this application April 6, 1938, Serial No. 200,521
11 Claims. (Cl. 51—9)

1. For use in an abrading machine, a rotor having at least one guide means provided thereon,

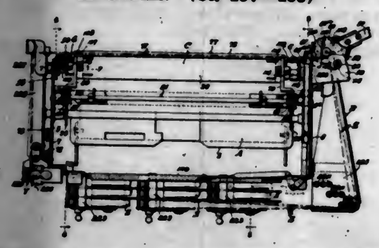
an abrasive propelling blade mounted in said guide means, an elongated member extending through said rotor and having a locking portion which is movable into the path of a surface of said blade when said member is rotated about its



axis, said locking portion of said member being so shaped that when said blade surface is engaged therewith said member cannot be rotated about its axis and is thereby maintained in locking position.

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2,119,814
**TYPEWRITING MACHINE**
George F. Handley, Glendale, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application July 23, 1936, Serial No. 92,242
41 Claims. (Cl. 197—133)

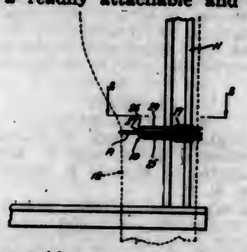


1. In a typewriting machine, the combination with a platen comprising a cylinder having end caps provided with eccentric bearings, of a shaft extending through and rigidly connected to said end caps and forming an eccentric axis for said platen, spaced supports in which the ends of the shaft are journaled, and means for rocking the platen about its eccentric axis.

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2,119,815
**CURTAIN TIE-BACK DESIGN HOLDER**
Dudley A. Huber, Calico Rock, Ark.
Application October 9, 1936, Serial No. 104,843
6 Claims. (Cl. 156—33)

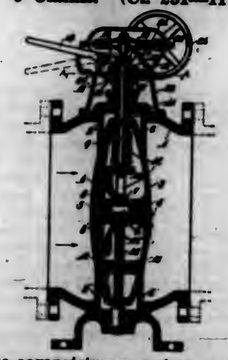
1. A tie-back holding device for curtains comprising a unitary rigid supporting bracket adapted for permanent attachment to a frame, a U-shaped holding element comprising a rear arm and a front arm, adjustable means mounting the free end of the rear arm to said supporting bracket, spaced rod sections on said front arm, an ornamental element, and means on said ornamental element arranged for slidable coaction with said spaced rod sections and said front arm providing a readily attachable and detachable



medium for said ornamental element on said holding element.

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2,119,816
**BUTTERFLY VALVE**
Koji Iida, Itabashi-ku, Tokyo, Japan
Application April 16, 1936, Serial No. 74,758
In Japan May 9, 1935
6 Claims. (Cl. 251—11)



1. A valve comprising a casing, spaced annular seats on said casing, a frame pivotally mounted in said casing, a shaft slidably and rotatively mounted in said frame having threads of opposite pitch on each end thereof, closure discs having threaded portions threaded on the threaded ends of said shaft, a rotatable tube secured to said frame, a second shaft operatively associated with said first mentioned shaft and means for operatively associating said tube with said second shaft to rotate said frame.

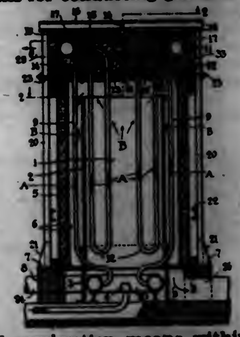
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2,119,817
**HIGH TEMPERATURE GAS HEATER**
Curt Keller, Zurich, Switzerland, assignor to Aktiengesellschaft fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland
Application September 21, 1937, Serial No. 164,955
In Switzerland October 12, 1936
10 Claims. (Cl. 126—109)

1. A tubular gas heater designed for operation at high temperatures, comprising in combination, an external supporting frame; an insulating shell mounted within said frame; a heat resistant plate suspended from said frame at the upper end of said shell, said plate being formed with apertures; a plurality of tubular coils having passes connected by return bends, said coils passing through the apertures in said plate near the upper extremity of the coils, whereby the coils are



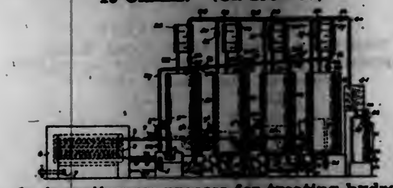
sustained by the plate within said insulating shell; means for conducting gas to and from said



coils; and combustion means within said shell, so arranged that the products of combustion pass in heat exchange relation with said coils.

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2,119,818
**APPARATUS AND PROCESS FOR TREATING HYDROCARBON OILS**
Lester Kirschbraun, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 1, 1929, Serial No. 370,466
Renewed May 26, 1927
19 Claims. (Cl. 196—49)



1. A continuous process for treating hydrocarbon oils, comprising subjecting the oil to heat in a cracking zone to be heated to a cracking temperature, in passing the oil through successive vapor releasing chambers of diminishing temperatures and pressure, in removing reflux condensate from the vapors produced in each vapor releasing chamber, and in passing the vapors produced in one vapor releasing chamber through a body of oil undergoing treatment at a cracking temperature in the succeeding vapor releasing chambers of lower temperature and pressure and in finally discharging the vapors for condensation and collection.

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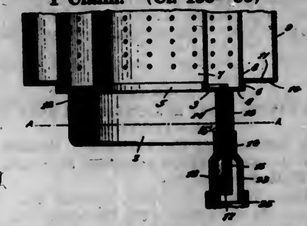
2,119,819
**BRAKE**
Heinrich List, Berlin-Lichterfelde-Ost, Germany
Application December 22, 1936, Serial No. 117,193
In Germany March 11, 1935
15 Claims. (Cl. 188—104)



1. A brake comprising an electromagnet of which the flux path includes an end wall having inner and outer spaced parts constituting a narrow, annular air gap between them, an eddy current member facing said wall and having a projection adapted to project into said gap, conduit means in said member and a cooling fluid in said conduit means, means on which said electromagnet and eddy current member are relatively rotatably mounted and means for effecting relative adjustment between said eddy current member and electromagnet so that the extent to which said projection projects into said gap can be adjusted.

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2,119,820
**BURNER WICK AND HOLDER**
David Lumsden, Sikeston, Mo.
Application December 21, 1935, Serial No. 55,644
1 Claim. (Cl. 158—88)



In a device of the character described, a wick, and a casing for said wick having a tubular body open at its upper and lower ends and provided with side openings, and a tongue extending downwardly from said casing at one side thereof with its lower portion bent laterally under the casing in spaced relation thereto and then upwardly to provide a wick-protecting shield having a side wall extending downwardly from the lower end of the body of the casing and a second side wall spaced downwardly from the body of the casing.

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2,119,821
**DISH HOLDING TRAY OR BASKET**
Joseph Edward Manley, St. Louis, Mo.
Application May 11, 1936, Serial No. 79,203
2 Claims. (Cl. 141—9)



1. A device of the character described, comprising, an outer frame, an inner frame detachably mounted in said outer frame, said inner frame having pairs of oppositely disposed sides, one pair fashioned with apertures, groups of horizontally extending spaced rods supported in said apertures one group above the other in spaced relation, another pair fashioned with apertures subjacent the lowermost group of said rods, spaced rods journaled in said last mentioned apertures and extending across said frame subjacent said lowermost group of rods and at right angles thereto whereby to support the weight of dishes and the like between and laterally engaged by said first mentioned groups of rods, one of the sides of each pair formed with a folded section overlying the respective outer face thereof and engaging ends of the respective rods whereby to align the respective opposite ends of the rods to permit insertion thereof together with said inner frame within said outer frame, and means detachably connecting said frames together to form a unitary device.

2,119,822

## PROCESS FOR MANUFACTURING A POWDERED PRODUCT FROM MUCILAGINOUS SUBSTANCE OF EEL

Teishiro Mayehara, Omori-ku, Tokyo, Japan

No Drawing. Application December 9, 1936, Serial No. 115,055
2 Claims. (Cl. 99—15)

1. A process for manufacturing a powdered product from the mucilaginous substances of eel, comprising treating an eel with hot water, agitating the water containing the eel until a white pasty substance is formed, removing the eel, concentrating the pasty substance by evaporation, solidifying the concentrate by freezing same, grinding the solid concentrate into powdered form, washing and purifying the powder with a hot water solution of Japanese acid clay, drying the powder and finally pulverizing the dried powder.

2,119,823

## METHOD AND MEANS FOR USE IN DENTISTRY

James S. Miller and Carl Richard Waller, Trenton, N. J.; said Miller assignor to Louis Friedman, Philadelphia, Pa.

Application March 3, 1934, Serial No. 713,790
26 Claims. (Cl. 32—32)



3. Apparatus for use in the production of artificial dentures comprising a mirror adapted to be moved with a patient's jaw, a source of light, a screen positioned to receive a reflection of light passing from said source to said mirror, and means for determining the relative positions of said mirror and screen.

6. Apparatus for use in the production of artificial dentures comprising a mirror adapted to be moved with a patient's lower jaw, a source of light, a screen positioned to receive a reflection of said source of light from said mirror, means for determining the position of the patient's upper jaw with respect to the screen, means for determining the relative positions of said mirror and said screen and an articulator having a mirror thereon adjustable to reproduce the reflection of light from the mirror on the patient's jaw on said screen.

7. In a method of producing artificial dentures the steps of moving a beam of light in response to movement of the patient's jaw recording a plurality of points in the movement of said beam of light, forming models of the patient's jaws, securing one of said models to a movable member of an articulator and moving the movable member of the articulator to reproduce movements indicated by the record obtained.

25. Apparatus for use in dentistry comprising a screen, means adapted to be moved by a patient's lower jaw serving to project light in the form of a beam onto said screen, and means for determining the position of said screen with respect to a patient's upper jaw.

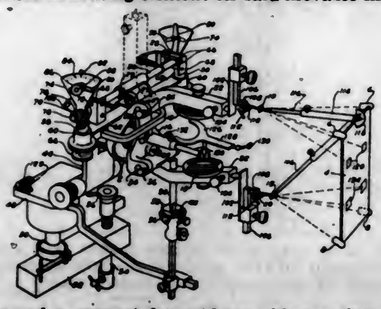
2,119,824

## APPARATUS AND PROCESS FOR USE IN DENTISTRY

James S. Miller and Carl Richard Waller, Trenton, N. J.; said Miller assignor to Helene Sylvia Miller, Trenton, N. J.

Application August 17, 1935, Serial No. 36,619
12 Claims. (Cl. 32—32)

1. Apparatus for use in dentistry having in combination a record of the relative positions of a person's head and lower jaw, a reproducer having a fixed member and a movable member, an optical indicating element on said fixed member, a support for said reproducer movable to locate said element in the position indicated by said record as the position of the patient's head, an optical indicating element on said movable member and a support for said movable member adjustable to permit movement of the indicating element thereon to the position indicated by said record as the position of said lower jaw and a source of light cooperating with said optical indicating elements to produce an indication on said record of the positions of the fixed and movable members of said reproducer.

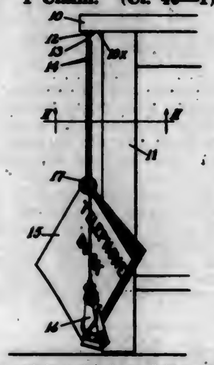


2,119,825

## ADVERTISING NOVELTY

Fredrick A. Moore, Great Bend, Kans.

Application April 17, 1936, Serial No. 74,879
Renewed November 1, 1937
1 Claim. (Cl. 40—1)



In an advertising device of the class described; a suction cup having an apertured element thereon, said suction cup being adapted to be attached to a supporting object, a flexible element, said flexible element being slidably supported by said apertured element, a book and an advertising object, said book being supported on one end of said flexible element and said advertising object being supported on the other end of said flexible element as a counterbalance for said book; means for attracting attention to said advertising object, said means comprising a ring that is positioned around the end portions of said flexible element in such a manner that when the book is picked up the advertising object will dangle approximately therefrom as and for the purpose specified.

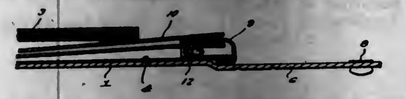


2,119,826

## CHECKBOOK HOLDER

Paul C. Morris, Rye, N. Y.

Application December 11, 1936, Serial No. 115,398
7 Claims. (Cl. 281—4)



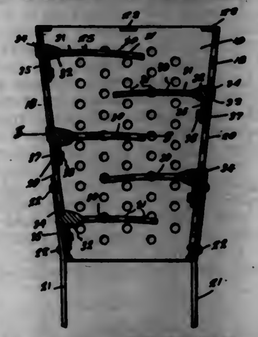
4. A check book holder comprising a cover, means for securing a check book in the cover, a pocket for the reception of a blotter, mounted on the cover, a substantially flat, resilient loop mounted in the mouth portion of the pocket, and teeth on said loop engageable in said blotter for detachably anchoring said blotter in the pocket.

2,119,827

## PIT BURNER

Lawrence Martin Nelson, Los Altos, Calif.

Application October 2, 1936, Serial No. 103,775
3 Claims. (Cl. 126—146)



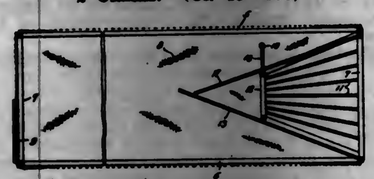
3. A pit burner comprising a hopper-like structure open at its top and bottom, said hopper-like structure provided with a multiplicity of openings in the side walls thereof, pit supporting plates mounted in the said hopper and projecting from opposite side walls of said hopper in interlapped spaced relation, each of said plates being provided at its hopper attaching end with an upstanding lug and a depending projection, said lug being engageable through one of the openings and against the outside of the corresponding side wall of the hopper, and a formation on the depending projection adapted to engage in an underlying opening of the corresponding side wall.

2,119,828

## FISHTRAP

Carl M. Nordenstam, Bertrand, Nebr.

Application May 24, 1937, Serial No. 144,488
2 Claims. (Cl. 43—100)



1. A trap comprising an entrance structure, a rigid guide structure extending inwardly from the lower portion of the entrance structure, and a swingable guide structure extending inwardly from the upper portion of the entrance structure and terminating adjacent the rigid guide structure inwardly of its free edge, said entrance structure being further provided with an inwardly extending and converging funnel-like structure, said funnel-like structure being constructed of a plurality of elongated members, the rigid guide structure being constructed of a plurality of elongated members certain portions of which comprise the elongated members at the lower portion of the funnel-like structure.

2,119,829

## METHOD OF AND COMPOSITION FOR PREVENTING THE LOSS OF DRILLING FLUID IN WELL DRILLING OPERATIONS

Claude P. Parsons, Duncan, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

Application May 12, 1936, Serial No. 79,365
7 Claims. (Cl. 255—1)



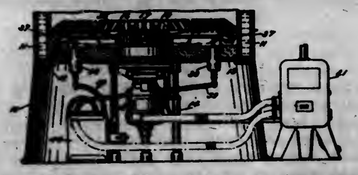
1. In the drilling of well holes, the method of preventing loss of drilling fluid into openings in the well wall which consists in incorporating in the drilling fluid sugar cane fibers that have been substantially desugared, and of graded lengths within the range up to one inch, pumping the resulting composition into the well hole and to the openings in the formation to form a seal therein against the loss of fluid therethrough.

2,119,830

## APPARATUS FOR BURNING LIQUID FUELS

Milton A. Powers and John A. Wilson, Detroit, Mich., assignors, by mesne assignments, to The Timken-Detroit Axle Company, a corporation of Ohio

Application October 2, 1934, Serial No. 746,582
14 Claims. (Cl. 158—4)

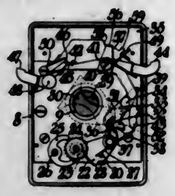


1. In a liquid fuel burning apparatus comprising a combustion chamber having a hearth and means for discharging liquid fuel in a path over

said hearth, a carbureting device mounted on said hearth in the path of the discharged fuel, said device comprising an upper fuel impact wall portion, a lower wall portion and a grooved or depressed imperforate portion forming a sheltered gutter between said wall portions, means for projecting a major draft of air against said lower wall portion and across said gutter, and means for projecting a minor air draft into said gutter.

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2,119,831
**SETTING SHUTTER**
William A. Riddell, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 3, 1937, Serial No. 123,888
7 Claims. (Cl. 95—62)



1. In a photographic shutter, the combination with a shutter casing having a light aperture therein, of leaves movably mounted in said casing and adapted to cover and uncover said aperture, a blade moving lever pivotally mounted on the shutter and operably connected to the shutter leaves, a trigger movably mounted on the shutter, a spring-operated master member pivotally mounted on the shutter and including spaced arms, one positioned to engage the trigger and another positioned to engage and move over the blade moving lever, and means comprising an arm also carried by the master member and extending through the shutter casing for simultaneously moving the other two arms of the master member into engagement with the trigger and blade moving lever, said trigger being movable to release the master member to operate the shutter leaves.

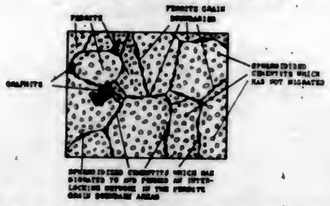
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2,119,832
**DISPLAY FRAME OR THE LIKE**
Maurice J. Schless, New York, N. Y.
Application January 6, 1937, Serial No. 119,321
4 Claims. (Cl. 206—76)



4. In a jewelry supporting member, a body having an opening therein and coacting slightly resilient jaws of concavo-convexed formation having their concaved faces disposed inwards, said jaws extending from said body on opposite sides of said opening in converging relation to each other for removably gripping an element inserted through said opening.

2,119,833
**CAST IRON ALLOY AND METHOD OF PRODUCING THE SAME**
William J. Sparling, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 21, 1935, Serial No. 27,766
7 Claims. (Cl. 148—21.8)

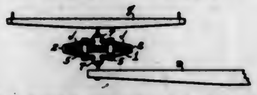


1. As a new article of manufacture, heat treated white cast iron alloy containing copper from about 0.5 to 1.5 per cent, manganese from about 0.6 to 1.1 per cent, and characterized by containing spheroidized cementite a substantial proportion of which is interlocked in a network structure along the ferrite grain boundaries.

3. That method of producing heat treated white cast iron products, comprising heat treating white cast iron containing copper in excess of 0.5 per cent, and manganese in excess of 0.6 per cent, said treatment comprising heating the alloy at temperatures above and below the critical range for times sufficient to produce therein substantially uniformly distributed spheroidized cementite; and further heat treating said iron at a temperature within the critical range of the alloy for a time sufficient to cause said spheroidized cementite in the presence of said copper to migrate to and from an interlocked network structure along the ferrite grain boundaries.

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2,119,834
**DRAFT APPLIANCE**
Albert Thompson, Collinston, La.
Application January 21, 1937, Serial No. 121,671
2 Claims. (Cl. 278—97)



1. A draft appliance comprising a coil spring, cup-shaped elements receiving the ends of the spring, straps engaging the cup-shaped elements, separable clips having the straps connected thereto and the spring extending therethrough, links connected to said clips, and means connecting said links to a draft hitch.

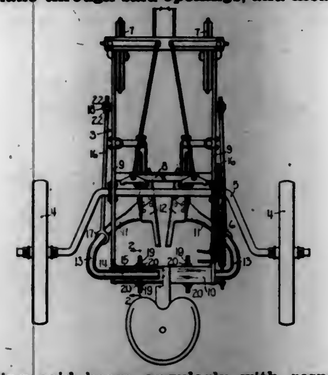
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2,119,835
**BLADE ADJUSTMENT MECHANISM**
Miles H. Tuft, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 14, 1935, Serial No. 40,586
Renewed November 16, 1936
20 Claims. (Cl. 55—106)

2. In an agricultural implement comprising a wheel supported frame, a blade supporting beam, a bearing for said beam having an opening defined by a surface in relatively close contact with the adjoining surface of the beam, and an opening defined by a surface spaced sufficiently from the adjoining surface of the beam to allow angular



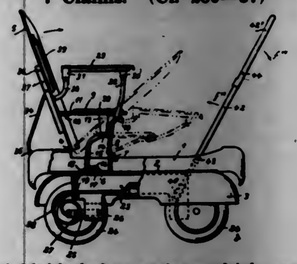
movement of the beam relative to a central vertical plane through said openings, and means for



adjusting said beam angularly with respect to said plane.

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2,119,836
**BABY CARRIAGE FOLDABLE TO FORM TRUNKS**
Daniel Charles Waelès, Montreuil-sous-Bois, and David Rosentraub, Bagnolet, France
Application October 16, 1936, Serial No. 106,022
7 Claims. (Cl. 280—37)

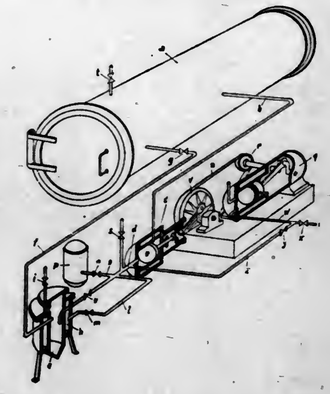


1. A foldable baby carriage which can be converted into a trunk, comprising a frame forming the base of the carriage and also the case of the trunk, a cover which constitutes the back rest of a seat pivoted on said cover, two pivoted longitudinal side flanges pivoted on the two long sides of the said frame, two wheels carried by each of said side flanges, and means for connecting the said seat to the said flanges so that the opening of the cover simultaneously causes the unfolding of the seat and the down folding of the flanges on the longitudinal axis of the box towards the edges, and so that the vehicle might be unfolded for the service upon the opening of the lid, the seat being inversely folded and the two flanges being turned back into the box to form the cases for the trunk, there being wings directed towards the longitudinal axis of the trunk.

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2,119,837
**PROCESS AND APPARATUS FOR EXTERMINATING PESTS IN ARTICLES**
Theodor Wehrle, Basel, Switzerland, assignor to the firm Deutsche Gesellschaft für Schädlingsbekämpfung m. b. H., Frankfort-on-the-Main, Germany, a corporation of Germany
Application March 21, 1935, Serial No. 12,313
In Switzerland March 28, 1934
14 Claims. (Cl. 21—58)

1. A pest-exterminating process, which consists in circulating gas through a space in which the gas is charged with a volatile toxic substance and thence through a fumigating chamber containing the material to be treated, the fumigating chamber standing under considerably reduced pressure, during each cycle compressing the gas prior to its discharge into the fumigating chamber so that the gas acts in this compressed condition on the toxic substance, and allowing the gas to expand before its entry into the fumigating chamber, the gas being compressed to such a considerable extent that the fall of temperature caused by the vaporization of the toxic substance is at least in a great measure equalized by the increase in temperature of the gas produced by the compression.



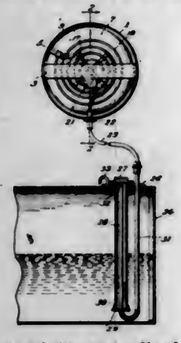
5. Apparatus for exterminating pests, which consists of at least one chamber to be charged with the articles containing the pests, a container for a substance giving off a volatile toxic substance inserted in the gas stream, a pump adapted for use both as a suction pump and a pressure pump, connecting leads and closing and reversing members for circulating a gas through the pump, the fumigating chamber and the said container, and means for throttling the flow of gas between the point of discharge from said container and the point of entry into the fumigating chamber, so that the fall of temperature caused by the vaporization of the toxic substance is at least in a great measure equalized by the increase in temperature of the gas produced by the compression.

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2,119,838
**LIQUID LEVEL GAUGE**
James T. West, Rockingham, N. C.
Application April 13, 1936, Serial No. 74,205
2 Claims. (Cl. 73—31)

1. A hydrostatic gauge comprising a casing, a frame therein, a shaft journaled in the frame, a circular hollow tube surrounding the shaft and carried thereby, means within the tube to balance and retard its rotation, a partition within the tube, registering means in the casing and including a pointer carried by the shaft, means for conveying elastic fluid under pressure to the tube for disposal between the partition and balancing means to act upon the partition for moving the tube in one direction to move the pointer accordingly, and said conveying means comprising tu-

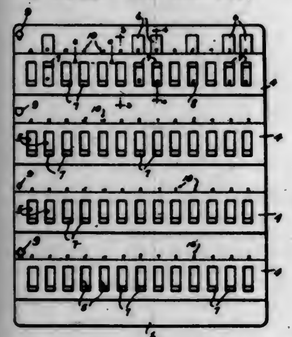
bular spring means secured to the tube and acting thereon to move the tube in an opposite direction



for moving the pointer accordingly when pressure is relieved from the tube.

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**2,119,839**
**CARD GAME ACCESSORY**
**Richard F. Wild, Richmond Heights, Mo.**
**Application May 14, 1937, Serial No. 142,692**
**1 Claim. (Cl. 273—148)**

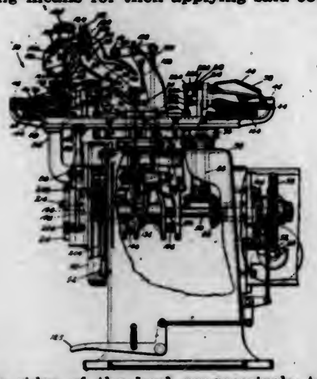


A card game accessory comprising a board having symbols thereon representing the cards comprising the suits of a deck, guides mounted on the board and having slots extending therein into from one edge thereof, said slots exposing the symbols, strips mounted on the guides and having elongated openings therein communicating with the slots, the symbols being observable through said openings, and slides operable in the slots of the guides beneath the strips and adapted to conceal the symbols, the elongated openings being of less width than the slots, said slides including upstanding operating buttons operable in the elongated openings, the board further having symbols thereon adjacent the strips and corresponding to the first named symbols.

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**2,119,840**
**MACHINE FOR COVERING HEELS**
**Lewis J. Bassoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey**
**Application December 30, 1935, Serial No. 56,739**
**41 Claims. (Cl. 12—49.1)**

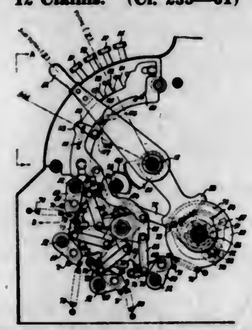
1. In a covering machine, means for applying a cover to the rear face of a heel progressively from one end of the heel to the other, and cooperating means for then applying said cover to



opposite sides of the heel progressively toward the breast of the heel.

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**2,119,841**
**TOTALIZER ENGAGEMENT CONTROL DEVICE**
**Ernst Breitling, Berlin-Tempelhof, Germany, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland**
**Application June 13, 1935, Serial No. 26,371**
**In Germany June 22, 1934**
**12 Claims. (Cl. 235—61)**



12. A totalizer engagement control device for cash registers, accounting and the like machines consisting of a single adjustable cam disk provided with a single cam race for causing the engagement of totalizers in adding, subtotal taking, and reset total taking operations; means operated by the cam disk to engage the totalizers; a manipulative device; and connections operated by the manipulative device to adjust the cam disk for any one of the said operations.

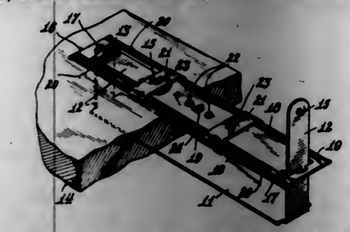
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**2,119,842**
**FASTENER**
**Daniel A. Brennan, Chicago, Ill.**
**Application August 16, 1930, Serial No. 476,058**
**In Canada September 23, 1929**
**15 Claims. (Cl. 24—153)**

1. A fastener comprising, in combination, a compressor having spaced apertures one in each end, a base, the ends of said base being adapted to be inserted through said apertures and then



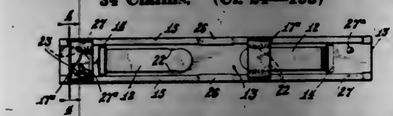
bent inwardly towards each other against said compressor, engaging means in the ends of said base, latches slidable along said compressor out-



wardly towards said apertures, and means in said latches for detachably engaging said engaging means.

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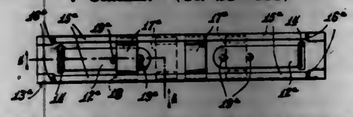
**2,119,843**
**PAPER FASTENER**
**Daniel A. Brennan, Chicago, Ill.**
**Application September 5, 1933, Serial No. 688,099**
**34 Claims. (Cl. 24—153)**



1. A paper fastener having, in combination, a base with spaced prongs, a compressor having spaced apertures adapted to receive said prongs, said prongs being adapted to be bent downwardly against said compressor, and latches secured to said compressor for longitudinal sliding movement respectively over said prongs, said latches having side walls movable into frictional engagement with said prongs to hold said latches releasably in position of adjustment over said prongs.

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**2,119,844**
**FASTENER**
**Daniel A. Brennan, Chicago, Ill.**
**Application October 4, 1937, Serial No. 167,094**
**7 Claims. (Cl. 24—153)**



2. A fastener comprising a base having one or more bendable securing prongs; a compressor cooperating therewith and held in position thereby; a latch slidable on said compressor and over a prong in bent position; and upstanding projections on said prong engaging opposite edges of said latch and releasably holding the same from sliding on said compressor in either direction.

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**2,119,845**
**CAMERA SHUTTER**
**Harry R. Darling, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey**
**Application December 29, 1936, Serial No. 118,066**
**3 Claims. (Cl. 95—60)**

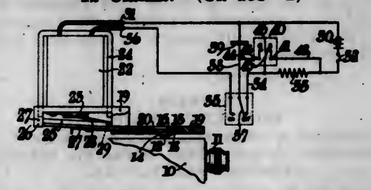
1. In a photographic shutter, the combination with an apertured shutter casing, of an apertured shutter blade, a pivotal support therefor near one edge of the shutter casing, oppositely disposed flanges carried by edges of the shutter blade symmetrically arranged with respect to the pivot, an apertured cover blind, a pivotal support therefor near an opposite edge of the shutter casing from the shutter blade pivot, a trigger directly attached to the cover blind, a pair of symmetrically arranged arms carried by the cover blind and bent downwardly to engage the oppositely disposed flanges on the shutter blade, a hairpin spring connecting the shutter blade and the cover blind, a heavier spring connecting the shutter casing and cover blind, one of the symmetrically arranged arms on the cover blind being positioned to ride idly against one of the symmetrically arranged flanges of the shut-



ter blade while storing up energy in the hairpin spring and being adapted to ride off the end of said flange, causing the hairpin spring to actuate the shutter through movement of the trigger, the relative locations of the pivotal supports and apertures for the shutter plate and cover blind being such that said shutter aperture is in registration with the cover blind aperture when the slip-off of the shutter blade and cover blind occurs, whereby the shutter blade aperture may swing past these registering apertures to make an exposure.

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**2,119,846**
**CONTROL DEVICE FOR A PHOTOGRAPHIC APPARATUS**
**Albert B. Fuller, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey**
**Application April 22, 1937, Serial No. 138,393**
**12 Claims. (Cl. 188—1)**



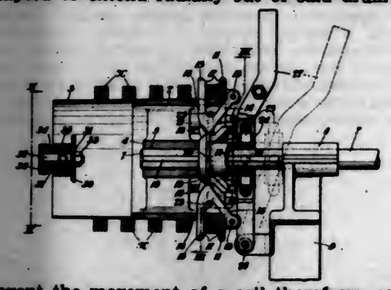
1. In a control device for a photographic apparatus, the combination with an operating shaft on said apparatus and tending to rotate, a clutch member on said shaft and having a pair of oppositely located projections, a blocking means normally engaging either of the projections on said clutch member, and an electro-magnetic member in magnetic relation to said blocking member, of an energizing means including a condenser adapted to discharge through said electro-magnetic member, momentarily to move said blocking means out of engagement with one of said projections on said clutch member, and then permitting return of said blocking means to engage the other projection on said clutch member.

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**2,119,847**
**COILING DEVICE**
**Karl Grube, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey**
**Application December 13, 1935, Serial No. 54,309**
**6 Claims. (Cl. 242—54)**

1. A coiling device comprising an elongated

drum carrying a radial flange, fingers pivotally connected to said flange adapted to extend radially out of said drum to cooperate with said flange in forming a coiling groove, secondary fingers adapted to extend radially out of said drum to



prevent the movement of a coil therefrom, said secondary fingers being substantially spaced from said first named fingers, and means for moving said first named fingers and said secondary fingers into and out of said drum.

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**2,119,848**
**QUARTZ PIEZOELECTRIC ELEMENT**
**Henry W. N. Hawk, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware**
**Application February 27, 1937, Serial No. 128,054**
**6 Claims. (Cl. 171—327)**



1. A quartz piezo-electric element adapted to respond to a fundamental frequency which is a function of its thickness dimension, said element having at least one curved electrode surface, the departure of said surface from optical flatness being substantially no more than two ten-thousandths of an inch whereby said element will respond to a second thickness-mode frequency which is harmonically related to said first mentioned frequency.

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**2,119,849**
**FOUNTAIN COMB**
**William J. Kotsopoulos, Los Angeles, Calif.**
**Application July 20, 1937, Serial No. 154,642**
**2 Claims. (Cl. 132—13)**



1. A fountain comb comprising a head having a hollow portion, teeth extending from the head, said head having discharge openings through which material passes from the hollow head, a movable member in the hollow portion of the head and adapted to move to close the discharge openings, said head having an opening through which air passes to the hollow head displacing liquid discharged from the hollow head, a headed screw having an opening registering with the last mentioned opening and adapted to regulate the size of the air inlet openings, controlling the passage of material from the hollow portion of the head, and said screw adapted to move the movable member to a position closing the discharge openings.

**2,119,850**
**ARCH SUPPORT**
**George Bauer, Leominster, Mass.**
**Application October 20, 1937, Serial No. 170,061**
**2 Claims. (Cl. 36—71)**



1. An arch supporting insert comprising a slip sole provided with a distensible pocket in the region of the shank, the pocket extending completely across the slip sole at the shank, and having an elongated opening at the inner edge and a shorter filling opening at the opposite or outer edge, a closure of flexible material for the inner edge opening to permit yielding and distention of the pocket, a filling received within the pocket and consisting of loosely divided yielding material capable of manual manipulation to vary the contour of the slip sole in the region of the pocket, and means for closing the pocket at the filling opening to maintain the filling material within the pocket.

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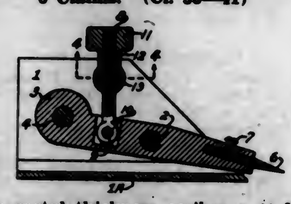
**2,119,851**
**SAFETY VALVE**
**Henry Cave, Hartford, Conn.**
**Application October 24, 1935, Serial No. 46,512**
**6 Claims. (Cl. 137—53)**



6. An attachment for relief of excessive pressure in a boiler comprising a valve housing having an inlet and an outlet and a valve seat therebetween, a valve disk mounted for opening and closing movements axially of said seat, means for urging said valve disk toward the seat and a thermostatic element directly attached to said valve disk and housing whereby changes in temperature will cause said thermostatic element to shift the valve disk laterally on its seat to prevent sticking.

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**2,119,852**
**ADJUSTABLE METAL THICKNESS SCRIBER**
**George E. Corbin, Detroit, Mich.**
**Application October 7, 1936, Serial No. 104,416**
**6 Claims. (Cl. 33—41)**



1. In a metal thickness scriber a U-frame, a tool holder pivotally mounted within said frame, means for adjusting the space intermediate the point of a tool within said holder and the bottom



plane of aforesaid member, and further means for locking said holder with respect to said plane in a predetermined adjusted position.

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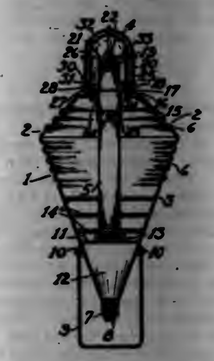
**2,119,853**
**ELECTRIC WAVE TRANSMISSION SYSTEM**
**Harold E. Curtis, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application October 30, 1935, Serial No. 47,376**
**4 Claims. (Cl. 178—44)**



1. An electrical transmission system comprising a conducting shield and multiplicity of pairs of conductors therein, each of said pairs comprising two conductors arranged side by side, said conductors being insulated from one another and from said shield, one of said conductors of each pair being connected as a return for the other conductor of the pair to form therewith a transmission path, each of the paths thus formed having connected thereto apparatus for applying thereto and receiving and utilising therefrom a band of signal frequencies extending from approximately zero to a frequency many times the upper limit of the audible range, each of said paths acting to transmit without excessive attenuation a band of frequency so applied, the ratio of the interaxial separation to the diameter of said conductors of each of said pairs being approximately 2.3, and said separation and diameter of the conductors being sufficiently small compared to the size of the shield to leave the capacity and resistance of each pair substantially as if the pair were isolated in space.

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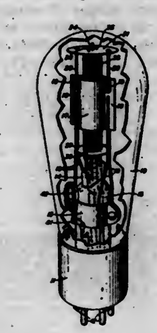
**2,119,854**
**LIGHT BUOY**
**Thomas O. Day, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware**
**Application August 28, 1937, Serial No. 161,375**
**4 Claims. (Cl. 9—8.3)**



1. An emergency light buoy comprising a body portion and a lantern head, a transverse partition adjacent the lower end of said body portion and a watertight ballast chamber below said partition, opening outwardly through the lower end of the body portion, said opening having a watertight removable closure, a concentrically disposed cup shaped receptacle on the upper surface of said partition, a tubular battery casing disposed within the body portion with its lower end in said receptacle and extending upwardly into the lantern head, a bulb secured to the upper end of said casing and a mercury operated switch carried by the casing within the head adapted to interrupt the flow of current to the bulb when the buoy is inverted, means for positioning the casing within the buoy and for adjustably maintaining the height of the bulb within the lantern head, and means for maintaining the buoy in an inverted position when not in use.

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**2,119,855**
**ELECTRIC DISCHARGE DEVICE**
**Charles Depew, Oakland, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application April 8, 1932, Serial No. 603,996**
**8 Claims. (Cl. 250—27.5)**



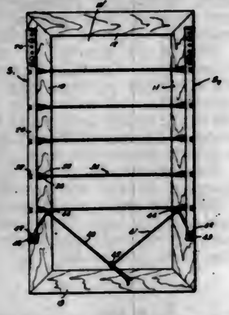
6. An electric discharge device comprising an enclosing vessel having a stem, an inert gas in said vessel, a collar surrounding said stem, upright supports extending from said collar, a flanged anode attached to said supports, wires extending from said anode, an insulating disc attached to said wires and extending across one end of said anode, a second insulating disc between said anode and stem, upright wires extending from said stem and piercing said second insulating disc, a cylindrical cathode supported between said discs along the axis of said anode, a grid surrounding said cathode within said anode and extending wholly within the limits of said insulating discs, and metallic clips attached to said upright wires, said clips having bent portions clamping the peripheral edge of said second disc.

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**2,119,856**
**VENETIAN AWNING**
**Garfield J. Edmonds, Philadelphia, Pa.**
**Application March 25, 1937, Serial No. 132,914**
**6 Claims. (Cl. 156—17)**

1. A Venetian awning of the character described comprising a pair of side structures adapted to be mounted at the opposite sides of

a window opening, a plurality of fabric awning sections carried by the side structures in spaced



relation, and means for maintaining said fabric awning sections under tension.

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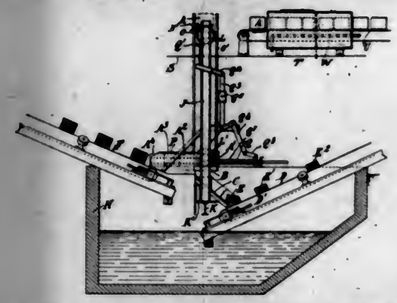
2,119,857

**METHOD FOR REMOVING STORAGE BATTERY PLATES FROM THEIR CASES**

William F. Eppensteiner, Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York

Application March 26, 1935, Serial No. 13,105

8 Claims. (Cl. 136—174)



1. The method of separating the parts of a storage battery having a plate section sealed in the open top of a casing without necessarily breaking the latter, which includes the steps of setting the entire battery in rapid motion, and then suddenly arresting only the casing and allowing the rapidly moving plate section to break the seal and escape completely from the casing by its own momentum.

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2,119,858

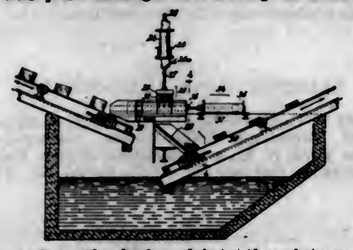
**STORAGE BATTERY STRIPPER**

William F. Eppensteiner, Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York

Application July 12, 1935, Serial No. 31,032

5 Claims. (Cl. 136—174)

1. An apparatus for stripping storage batteries of the type having a plate section sealed within a casing comprising a battery supporting bed having a pair of parallel rails so spaced apart as to engage only the edge portions of the casing of a battery mounted thereon, a punch having a free end directed towards said bed, and means for reciprocating said punch towards and away from the bed, said punch having a normal travel such that when driven towards the bed its free end will pass through the casing of a battery



supported on the bed and into the plate section thereof.

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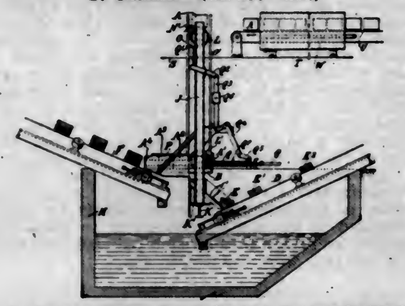
2,119,859

**STORAGE BATTERY STRIPPER**

William F. Eppensteiner, Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York

Original application March 26, 1935, Serial No. 13,105. Divided and this application April 9, 1937, Serial No. 135,904

17 Claims. (Cl. 136—174)



1. An apparatus for stripping storage batteries of the type having a plate section sealed within a casing, comprising a substantially vertical chute into the top of which a battery may be placed in an inverted position, said chute having a height several times as great as the depth of the battery to be stripped, and spaced abutments arranged at the lower end of said chute and adapted to arrest only the casing of the battery so that its plate section may break the seal by its momentum and completely escape from the casing.

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2,119,860

**EXPANDED CEMENT PROCESS**

Albert Henderson, Pittsburgh, Pa., assignor to William P. Witherow, Pittsburgh, Pa.

No Drawing. Application March 4, 1936, Serial No. 67,695

1 Claim. (Cl. 18—47.5)

In a method of making articles of expanded cement, the steps including pouring into a mould an expanding cement mix which generates heat in setting, supplying heat externally to the poured mass to equalise the heat generated therein and prevent non-uniform shrinkage thereof, and, before substantial cooling of the mass, removing the mass from the mould and subdividing it into pieces so small that the internal stresses created therein by subsequent hardening or evaporation are insufficient to damage the pieces, as by causing cracks therein.



2,119,861

**HAIR CURLING DEVICE**

John R. Jeganic, Pittsburgh, Pa.

Application February 10, 1936, Serial No. 63,198

2 Claims. (Cl. 132—36.1)



1. A device for permanent waving of hair, comprising a pair of hinged members constituting a clamp for engaging the hair strands adjacent the scalp preliminary to the curling of the strands and adapted to receive a curling rod, means for locking said members in closed position, a foot for each of said hinged members joined thereto in the base of the clamp, said foot elements being of hollow construction having perforations on the same side and coextensive with the hair engaging faces of the clamp, and said foot elements being closed at one end and having connections with a source of cooling medium at their other end to direct the cooling medium through the perforations against the hair adjacent the scalp.

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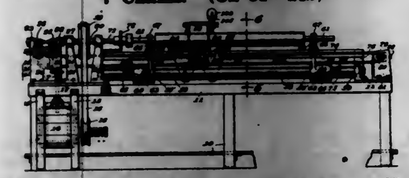
2,119,862

**ROLLER POLISHING MACHINE**

Joseph R. Keller, Bridgeport, Conn., assignor to The Black Rock Mfg. Company, Bridgeport, Conn., a corporation of Connecticut

Refiled for abandoned application Serial No. 109,708, November 7, 1936. This application November 13, 1937, Serial No. 174,361

7 Claims. (Cl. 51—142)



6. In a roller polishing machine the combination with a bed, of guide rails, one above the other secured to the bed, means for supporting a rotatable roller to be polished, a carriage mounted for reciprocatory movement on the guide rails, polishing means hingedly connected to the carriage for operation on the roller and adapted to be swung up on top of the carriage, a dusting brick holder secured to the carriage to travel with it and including a support extended therefrom, a pan carried thereby for supporting the dust brick and means carried by the pan for securing the dust brick at different angles with respect to the side of the roller.

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2,119,863

**MACHINE FOR MEASURING AND MARKING SHEETS OF MATERIAL**

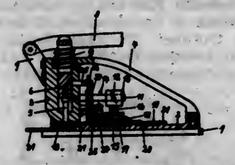
Peter Anton van Kempen, Zittau, Germany

Application December 1, 1934, Serial No. 755,610

In Germany December 1, 1933

5 Claims. (Cl. 216—17)

1. Machine for marking sheets of material by means of measurement marks to be applied to the sheets of material consisting in combination of a circular disc containing the marks arranged in at least one circle concentric to said disc and provided, on their reverse side, with an adhesive containing rubber or the like which causes the marks to adhere to the sheets of material merely by pressure, without employing heat or liquid, a protective pattern sheet on the reverse side of the said mark disc having openings of at least the same diameter as the marks, a device for stamping out the marks and pressing them on to the said sheet, and a device for rotating said mark disc step-by-step after each stamping out of a mark for bringing the next mark to the stamping place.



3. Machine for marking sheets of material by means of measurement marks to be applied to the sheets of material consisting in combination of a circular disc containing the marks arranged in at least one circle concentric to said disc and provided, on their reverse side, with an adhesive containing rubber or the like which causes the marks to adhere to the sheets of material merely by pressure without employing heat or liquid, a protective pattern sheet on the reverse side of the said mark disc having openings of at least the same diameter as the marks, a device for stamping out the marks and pressing them on to the said sheet, and a device for rotating said mark disc step-by-step after each stamping out of a mark for bringing the next mark to the stamping place, said mark disc and said protective sheet being provided with at least one centering hole near the axis of rotation and adapted to engage with a corresponding centering pin at the plate carrying said mark disc and said protective sheet.

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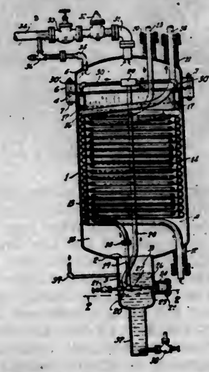
2,119,864

**FLUID COOLING APPARATUS AND METHOD**

George M. Kleucker, St. Louis, Mo.

Application October 19, 1936, Serial No. 106,308

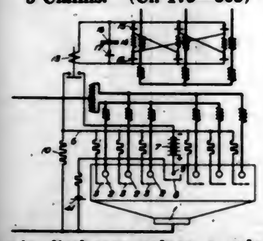
22 Claims. (Cl. 62—126)



18. In a fluid cooling apparatus, an expansion chamber, a heat exchanger disposed within said expansion chamber having relatively small displacement with respect to the expansion chamber, and means for copiously flowing a stream of volatile liquid refrigerant over the outer surface of the heat exchanger for the maintenance thereon of a substantially uninterrupted film, whereby to provide intimate contact between the film and the surface of the heat exchanger by preventing

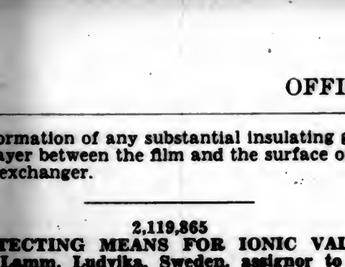
the formation of any substantial insulating gaseous layer between the film and the surface of the heat exchanger.

2,119,865
**PROTECTING MEANS FOR IONIC VALVES**
**Uno Lamm, Ludvika, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden**
Application October 22, 1935, Serial No. 46,113
In Sweden October 22, 1934
5 Claims. (Cl. 175—363)



1. In ionic discharge valves, a valve vessel, a cathode and working anodes therein, grids for blocking said anodes, at least one auxiliary anode in said vessel, grid control for said auxiliary anode, means for impressing a blocking voltage on the grids of said working anodes over said auxiliary anode, and means for releasing the grid control of said auxiliary anode on the occasion of a disturbance.

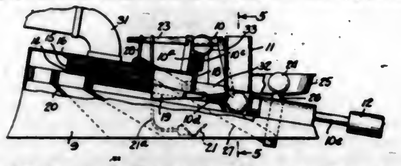
2,119,866
**LOCK**
**Joseph H. Milligan, Boston, Mass.**
Application June 10, 1936, Serial No. 84,446
15 Claims. (Cl. 70—340)



1. A door lock comprising a stationary knob-supporting member adapted to be secured to a door, a knob rotatably mounted on said knob-supporting member, a lock for locking said knob to said knob-supporting member and comprising a key plug carried by the knob-supporting member and having a key slot, sectional tumbler pins in said knob and key plug which are lined up by the insertion of the key in the key slot, thereby releasing the knob, and a bolt connected to the knob to be actuated thereby independently of the key plug.

2,119,867
**FRAUD PREVENTING MECHANISM FOR GAME APPARATUS**
**Joseph James Mitchell, Los Angeles, Calif.**
Application November 14, 1932, Serial No. 642,517
5 Claims. (Cl. 273—118)

1. Game apparatus having a playing surface adapted to be supported in a predetermined playing position; pay-out mechanism correlated with the game apparatus; a receptacle fixed relative to the playing surface; a spherical body in the receptacle free to roll from one position when the playing surface is tilted or jarred from its playing position; and control means for the pay-out



mechanism including a movably mounted member maintained depressed by the body when occupying said one position so as to retain the control means inactive, and movable upwardly into the receptacle when the body rolls from said one position to render the control means active in preventing operation of the pay-out mechanism.

2,119,868
**WARP BEAM**
**Robert V. Olson and William B. Swenson, Attleboro, Mass., assignors to Mossberg Pressed Steel Corporation, a corporation of Massachusetts**
Application January 30, 1936, Serial No. 61,567
14 Claims. (Cl. 242—124)



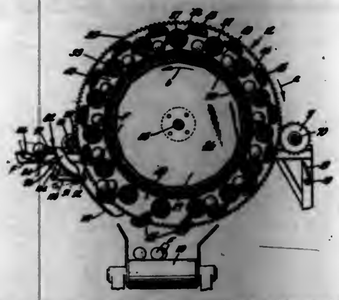
1. In a beam, a body member provided with a screw threaded portion therealong, a head member embracing said body member and having a portion engageable with the threads on said body member for causing said head member to move axially of said body member upon relative rotation of said members, means loosely attached to said head member and movable along said body member and of such length that the threads of said body member disposed under the layers of the wrap may be covered at all times regardless of the position of adjustment of the head member, and means to bind said head member on said body member to prevent relative movement of said members.

2,119,869
**PLANETARY BRUSHER**
**Hale Paxton, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware**
Application June 28, 1935, Serial No. 28,812
14 Claims. (Cl. 146—202)

1. In a fruit treating machine, the combination of: a frame; a relatively large cylinder rotatably mounted on said frame; means on the outside of said cylinder providing a fruit treating surface; a plurality of relatively small, rotatable fruit treating elements adjacent the fruit treating surface of said cylinder, the axes of said treating elements extending in parallel relation with the axis of said cylinder, said fruit treating elements being spaced from each other to provide

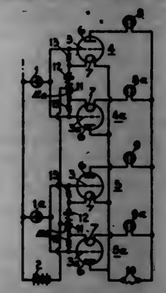


fruit receiving channels therebetween; means for retaining said fruit in said channels; means for rotating said fruit treating elements in a common direction of rotation; and means for re-



volving all of said fruit treating elements as a unit about the axis of said large cylinder in a direction opposite to the direction of travel of said cylinder.

2,119,870
**ELECTRIC ARRANGEMENT FOR CONTROLLING ELECTRIC LAMPS OF A LAMP SCREEN**
**Kurt Rosenberg, Berlin, Germany, assignor, by mesne assignments, to American Epok Inc., New York, N. Y., a corporation of New York**
Application November 24, 1934, Serial No. 754,572
In Germany November 25, 1933
9 Claims. (Cl. 177—346)



1. An electric arrangement for displaying animated pictures and communications by means of a lamp field, comprising in combination groups of lamps of a lamp field, each group consisting of at least one lamp; discharge vessels each containing a number, including one, of anode and cathode electrodes forming a number, including one, of discharge gaps, and means for controlling the discharge through each of said gaps; means for connecting in series each of said gaps with a lamp group each and a source of pulsating current, thereby forming a lamp group-gap-series; light responsive devices arranged in a field adapted to be illuminated in accordance with an intended display of said lamp field, means for connecting and thereby associating each of said devices with said means controlling at least two of said discharge gaps, and thereby lamp groups connected in series therewith, and a source of current adapted to control at least part of said discharge, thereby forming a device-gap-group; and means for successively feeding pulses of said pulsating current to different lamp group-gap-series of said device-gap-groups, said pulses fed simultaneously to all said device-gap-groups whereby the actual passing of a current pulse through a lamp group just fed with it is controlled by an associated one of said devices depending upon its illumination.

2,119,871
**SEPARATION OF HYDROCARBON MIXTURES INTO CONSTITUENT PARTS**
**James M. Whiteley, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware**
No Drawing. Application December 21, 1931, Serial No. 582,501. Renewed August 13, 1937
10 Claims. (Cl. 196—13)

1. Process for separating asphalt-free hydrocarbon oil into its lighter and heavier normally liquid hydrocarbon components which comprises diluting the oil with several volumes of a liquefied normally gaseous hydrocarbon mixture comprising hydrocarbons having two and three carbon atoms and in which the hydrocarbon having two carbon atoms is present in an amount between 15 and 85%, maintaining the diluted oil under pressure sufficient to retain the normally gaseous hydrocarbons in liquid phase, separating the two layers into which the mixture is thereby caused to separate, and recovering oil from each layer.

2,119,872
**HIGHER MOLECULAR SUBSTITUTED PROTEIN CLEAVAGE PRODUCTS AND METHODS FOR THEIR PREPARATION**
**Georg Wiegand, Berlin-Grunau, Germany, assignor to Chemische Fabrik Grünau, Landshoff & Meyer, A. G., Berlin-Grunau, Germany, a company of Germany**
No Drawing. Application October 16, 1935, Serial No. 45,370. In Germany November 9, 1934
13 Claims. (Cl. 260—9)

1. As a new composition of matter a protein cleavage product of high molecular weight substituted at the nitrogen by an alkyl-radical, the latter being substituted by an aromatic radical.

2,119,873
**HALOGENATED HYDROCARBON SOLVENTS**
**Peter J. Wiezevich, now by judicial change of name Peter J. Gaylor, Elizabeth, and Hans G. Vesterdal, Linden, N. J., assignors to Standard Oil Development Company, a corporation of Delaware**
No Drawing. Application December 4, 1936, Serial No. 114,132
6 Claims. (Cl. 260—162)

1. Process for producing halogenated hydrocarbons of improved solvent power comprising chlorinating at 50–180° F. in the absence of metals of the iron group, a mixture of petroleum hydrocarbons boiling between 30–450° F. to a chlorine content of 20–40%, fractionating the product in the absence of metals of the iron group and without substantial decomposition, removing the fraction boiling up to about 285° F., returning it to the chlorinating chamber for further chlorination, removing the fraction boiling between 285° F. to 410° F., and washing said fraction with alkali.

2,119,874
**LAWN MOWER**
**William F. H. Braun, Wynnewood, Pa., assignor to Pennsylvania Lawn Mower Works, Primos, Pa., a corporation of Pennsylvania**
Application September 2, 1937, Serial No. 162,084
2 Claims. (Cl. 56—294)

1. For adjustably and yieldably supporting the

cutter bar in respect to the rotary cutter and end frames of a lawn mower, the combination of, a pair of headed and shouldered bolts respectively having screwthread connection with the end frames, a pair of arms on the cutter bar respec-



tively pivoted to the end frames and having openings in their free ends through which parts of the bolts loosely pass and springs respectively interposed between the heads of the bolts and the arms and pressing the latter into engagement with the shoulders.

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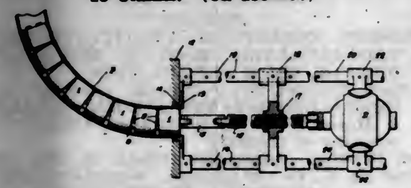
2,119,875

**PIPE BENDING METHOD AND APPARATUS**

Louis Carl, Brooklyn, N. Y.

Application January 14, 1937, Serial No. 120,554

15 Claims. (Cl. 153—36)



3. In an apparatus of the character described, a mandrel comprising articulated sections, means for simultaneously imparting rotation to said mandrel and concurrently longitudinally moving the same, and an abutment past which said mandrel is withdrawable from a pipe resting against said abutment.

6. The herein described method which comprises positioning a non-collapsible mandrel within a pipe, then bending the pipe and simultaneously rotating and withdrawing the mandrel from the pipe as the bending operation proceeds and while the pipe is held against longitudinal movement.

8. A pipe bending mandrel comprising a succession of substantially barrel-shaped units positioned end to end in closely spaced relation to one another with both of the opposite ends of each unit recessed, whereby the recesses at contiguous ends of each two adjacent units collectively constitute a chamber, and a universal joint positioned within each chamber and connected to both contiguous units, said universal joint securing adjacent units against relative rotation, but permitting articulation between said units in all lateral directions.

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2,119,876

**SHOT**

Michael George Corson, New York, N. Y., assignor to Remington Arms Company, Inc., a corporation of Delaware

No Drawing. Application December 24, 1936, Serial No. 117,518

4 Claims. (Cl. 102—26)

1. A spherical dropped shot suitable for use in a shot shell consisting of an alloy of zinc and aluminum.

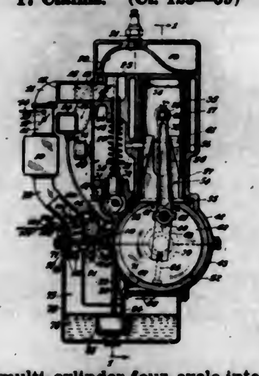
2,119,877

**INTERNAL COMBUSTION ENGINE**

Charles Ecker, New York, N. Y., assignor of one-half to Simon Marmorek, New York, N. Y.

Application January 28, 1935, Serial No. 3,699

17 Claims. (Cl. 123—59)



1. In a multi-cylinder four-cycle internal combustion engine, in combination, an intake passage for each of said cylinders, an initial air-intake chamber, a supercharger interposed between said chamber and said passages in multiple, a cylinder intake valve in control of each of said passages and having a stem extended into said chamber, and a guide for said valve stem between said intake passage and said chamber, from which latter vaporous gasoline mixture passing from said supercharged passage through said guide will be fed back through said supercharger.

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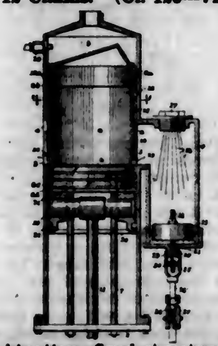
2,119,878

**TWO-CYCLE ENGINE**

George Exel, Clifton, N. J.

Application July 29, 1936, Serial No. 93,178

12 Claims. (Cl. 123—74)



1. In combination, fixed structure including a cylinder, a fixed piston therein and liquid-receiving means having a passage leading from the interior of the cylinder laterally thereof and at one side of the piston and said means being otherwise normally closed, said cylinder having at said side of the piston an intake, and a reciprocatory power piston having a head at said side of the fixed piston and a cylindrical skirt fitting between the latter and cylinder, said power piston when moving head-end foremost being adapted first to maintain said passage closed and having inhalation and exhalation ports respectively adapted then to coincide with said intake and passage, whereby, upon the pressure in the receiving means when said passage is so closed by the power piston being below that in the space in the power piston at said side of the fixed piston, there will be fluid flow from such space to said means when said ports so coincide with the intake and passage.



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2,119,879

**FUEL INJECTOR FOR INTERNAL COMBUSTION ENGINES**

Samuel K. Hoffman and Clarence H. Wiegman, Williamsport, Pa., assignors, by mesne assignments, to Aviation Manufacturing Corporation, Chicago, Ill., a corporation of Delaware

Application November 19, 1934, Serial No. 753,614

18 Claims. (Cl. 123—32)



1. In an internal combustion engine, the combination of a plurality of cylinders, a crankshaft, a manifold connected to deliver fluid to the cylinders, a compressor driven from the crank-shaft for delivering air under pressure into the manifold for delivery to the cylinders, and means for delivering fuel under pressure to mix with the air in transit from the manifold to the cylinders, including separate ducts located in the manifold for heat-transference between the fuel and the compressed air in the manifold, the manifold being provided with cooling means.

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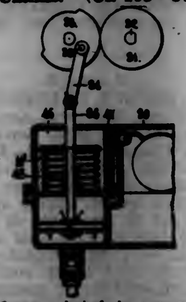
2,119,880

**FUEL PUMP FOR MOTOR VEHICLES**

Erwin C. Herton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application October 9, 1935, Serial No. 44,284

10 Claims. (Cl. 103—37)



1. A pump for maintaining a predetermined supply of liquid in a chamber, embodying a liquid displacing member operable on an expelling stroke to feed liquid to the chamber and on the return stroke to intake liquid from a source of supply, means for yieldably urging and actuating the displacing member on its expelling stroke, means for positively driving the displacing member on its return stroke, said means including a mutilated gearing connecting the driving means to the displacing member for positively driving the displacing member on its return stroke, said yieldable means acting to bring the gearing into meshing relationship as the displacing member substantially completes its fuel expelling stroke.

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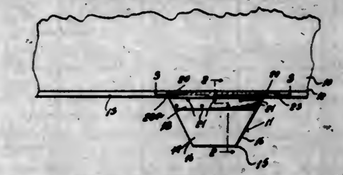
2,119,881

**DETACHABLE SAILING KEEL FOR ROW BOATS AND THE LIKE**

Harold J. Kline, Patterson, N. Y.

Application November 18, 1936, Serial No. 111,522

1 Claim. (Cl. 114—140)



In a row boat, a detachable keel therefor comprising a keel strip extending longitudinally of the bottom of the row boat, a detachable keel board having a sliding interlocking connection with the keel strip, said connection including guide rods on the keel strip and channels on the keel board received on the guide rods, bendable abutment walls formed integral with the walls of the channels at the forward ends of the channels and normally extending across the forward ends of the channels engageable with the forward ends of the guide rods for limiting rearwardly sliding movements of the keel board on the keel strip, said abutment walls being bendable laterally and outwardly of the forward ends of the channels and out of line with the guide rods when a predetermined pressure is exerted on the forward edge of the keel board whereby the keel board may be slidably disengaged from the keel strip by rearwardly sliding movement relative to the keel strip.

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2,119,882

**AMINOTRIFLUOROMETHYL-ARYL-SULPHONIC ACIDS AND PROCESS OF PREPARING THEM**

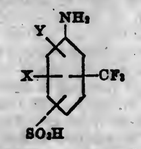
Herbert Kracker and Fritz Herrlein, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application September 27, 1935, Serial No. 42,512. In Germany October 3, 1934

7 Claims. (Cl. 260—129)

1. The process of preparing aminotrifluoromethyl-benzene-sulphonic acids which comprises causing a molecular excess of chlorosulphonic acid to act upon aminotrifluoromethyl-benzenes at temperatures up to about 180° C.

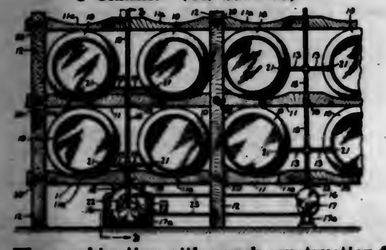
4. The compounds of the following general formula




wherein X stands for a member of the group consisting of hydrogen, halogen, alkoxy, phenoxy,

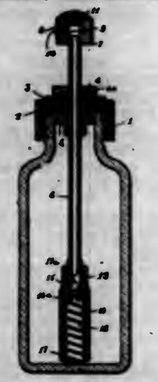
benzyloxy, nitro and trifluoromethyl and Y stands for a member of the group consisting of hydrogen, halogen and alkoxy, being crystallized compounds which are easily soluble in aqueous alkalies and insoluble in organic solvents.

2,119,823
**STORAGE RACK FOR SPIRITOUS LIQUORS**
Henry Legier, Larchmont, N. Y., assignor of fifty percent to H. Paul Warwick, New Rochelle, N. Y.
Application November 17, 1937, Serial No. 175,047
4 Claims. (Cl. 259—56)



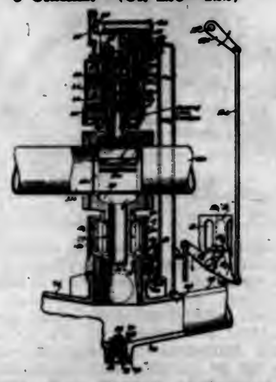
1. The combination with a rack construction for storing barrels and the like having grooved supports for said barrels, of means reciprocally supported in said rack construction frictionally engaging each of said barrels for displacing them toward one side of said groove, whereby said barrels will be rocked back and forth on said rack upon reciprocation of said means.

2,119,824
**LIQUID SPRAYER**
Frederick W. Lohse, Attleboro, Mass., assignor to T. J. Holmes Company, Inc., Norton, Mass., a corporation of Massachusetts
Application June 22, 1936, Serial No. 86,461
1 Claim. (Cl. 221—85)



In a spraying device for liquids, a bottle having a threaded neck, a reciprocating pump mounted within the bottle, a hollow pump rod connected to the pump for reciprocation thereof and extending outwardly through the bottle neck, a cap for the bottle having a flat upper face and a threaded bore in which the bottle neck is received, an enlarged washer applied to the upper face of the cap, a washer applied to the bottom of the cap bore and engaging the end of the bottle neck, a hollow plug for supporting the pump rod, said plug having an enlarged externally threaded head of less diameter than the washers seated against the upper washer, and a threaded stem extending axially downwardly through the washers and cap, a nut on the threaded stem bearing against the inner washer and cooperating with the plug head to hold the washers and cap rigidly together, a sprayer block including a nozzle on the upper end of the pump rod and an inverted thimble-like sealing cap telescoped over the sprayer block and threaded on the plug head to bear against the upper washer.

2,119,885
**ANTERIOR THROTTLE COLD CHARGE CARBURETOR**
Arlington Moore, Louisville, Ky., assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y., a corporation of Delaware
Application December 11, 1934, Serial No. 756,967
5 Claims. (Cl. 123—122)



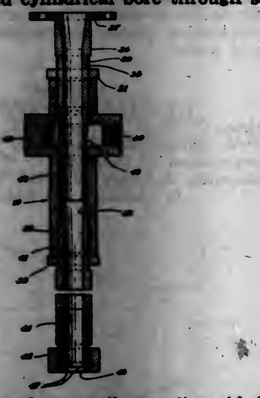
1. In an anterior throttle carburetor for an internal combustion engine, a chambered casing, a conduit for exhaust gas passage comprising a highly heat conductive wall portion extending through the chamber in the casing, means for discharging fuel into admixture with primary air only into said chamber and in engagement with said heated wall, means for pumping accelerating fuel into engagement with said heated wall, valveless means for conducting air and vaporized fuel from said chamber to the engine cylinders, and throttle means for supplying main air cold in a stream surrounding the said conducting means.

2,119,886
**IMPACT CRUSHER**
Elman B. Myers, Montreal, Quebec, Canada
Application July 31, 1935, Serial No. 33,932
5 Claims. (Cl. 82—46)

1. In an impact crusher, a barrel comprising separate coaxially arranged upper and lower sections, said upper section having an outer conical surface tapering at an angle of less than five degrees to its longitudinal axis and said lower section having an inner conical surface and a cylindrical bore, said inner surface being arranged opposite said outer conical surface and parallel thereto to form an annular conical passage opening into said lower section, and said cylindrical bore extending continuously from said conical passage to the discharge end of said lower section, means for feeding material to be crushed through said upper section into said

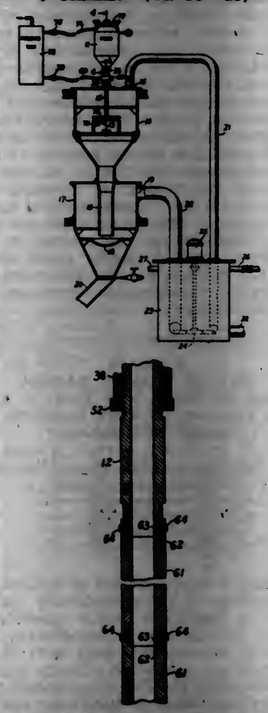


lower section, means for delivering gas under pressure into said cylindrical bore through said



conical passage, and an anvil opposite said discharge end of the lower section.

2,119,887
**APPARATUS FOR DISINTEGRATING SOLIDS**
Elman B. Myers, Montreal, Quebec, Canada
Application November 5, 1936, Serial No. 109,235
7 Claims. (Cl. 82—46)



1. Impact apparatus comprising an acceleration tube having an inlet end and a discharge end, a feed tube arranged to discharge particles into said acceleration tube and to provide an annular passageway between end portions of said tubes to deliver into said acceleration tube gas under pressure and in an annular stream with its boundaries converging at an angle of less than 5° to its longitudinal axis, means for supplying gas under pressure to said annular passageway, pressure means for feeding particles into said feed tube, and an anvil interposed in the path of particles discharged from the discharge end of the acceleration tube, a ring arranged wholly beyond said discharge end of the acceleration tube and having a substantially cylindrical inner impact surface encircling the path of movement of said particles from the discharge end of said acceleration tube to the anvil to provide a secondary anvil positioned in the path of particles deflected from said first mentioned anvil, and a housing enclosing the discharge end of the acceleration tube and said anvil and said ring.

4. In impact apparatus, an acceleration unit including a feed tube and an acceleration tube having opposed spaced parallel surfaces forming an injection nozzle arranged with its discharge orifice opening into a mid-portion of said unit, said acceleration tube including separate attachable and detachable sections of substantially the same cross-sectional bore area and means cooperating with said acceleration tube sections and operable without varying the relative positions of the parts forming said injection nozzle for varying the effective length of said acceleration tube.

2,119,888
**FOOT SWITCH**
Irvin Earl Nixon, Houston, Tex., assignor to M. O. Scobee and himself, both of Houston, Tex.
Application July 30, 1936, Serial No. 93,501
2 Claims. (Cl. 200—159)

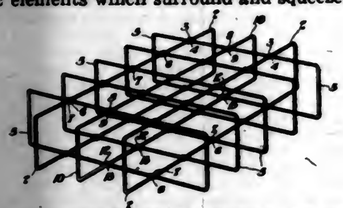


1. In a device of the class described including a switch, said switch having a series of vertically disposed contact members, a housing for completely enclosing said switch, a bushing in said housing, a plunger rod movable through said bushing, said plunger rod causing the contacting of said vertically disposed contacting members, a bell crank lever having an arm in operable contact with said plunger rod, a connecting rod operably connected to said bell crank, and a foot pedal operably connected to said connecting rod, said switch and housing therefor elevated above the connecting rod aforesaid.

2,119,889
**PARTITION**
Bernard S. Pease, Evanston, Ill., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application May 3, 1935, Serial No. 19,729
1 Claim. (Cl. 220—19)

A collapsible partition assembly comprising a

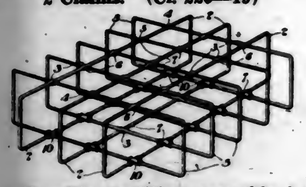
series of parallel elongated resilient closed loop-like metallic elements, and a perpendicular series of parallel elongated resilient closed loop-like metallic elements which surround and squeeze upon



said first-named series of elements, the crossing points of the two series of elements being in the form of cooperating offset seats detachable one from the other.

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2,119,890
**PARTITION**
**Bernard S. Pease, Evanston, Ill., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey**
**Application May 3, 1935, Serial No. 19,730**
**2 Claims. (Cl. 220—19)**

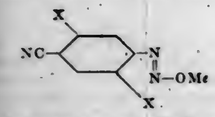


2. A collapsible partition assembly having a series of parallel, elongated, resilient, closed, loop-like metallic elements, and a perpendicular series of parallel, elongated, resilient, closed, loop-like metallic elements which surround and squeeze upon said first-named series of elements, the crossing points of the two series of loop-like elements being in the form of cooperating offset seats detachable one from the other, and means adjacent their relative crossing points for holding said first-named and second-named series of elements in assembled relationship, said means being constructed and arranged to permit the relative rotation of the two series of elements about their points of crossing, said means being in the form of wire clips provided with loops at the ends thereof, said loops being disposed at approximately right angles with respect to each other.

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2,119,891
**NITROSAMINES**
**Wilhelm Seidenfaden and Hans Thomae, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware**
**No Drawing. Application August 3, 1937, Serial No. 157,226. In Germany August 7, 1936**
**4 Claims. (Cl. 260—69)**

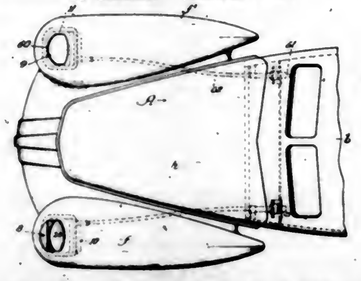
1. The compounds of the following general formula:




wherein Me stands for an alkali metal and the X's stand for members of the group consisting of halogen, alkyl, alkoxy, phenoxy, trifluoromethyl, alkylsulfonyl and dialkylaminosulfonyl, being yellow to brown powders and yielding the corresponding diazonium compounds by the action of acids.

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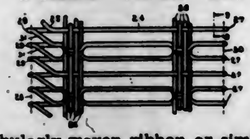
2,119,892
**HEADLIGHT STRUCTURE**
**Herbert C. Snow, Auburn, Ind., assignor to Auburn Automobile Company, Auburn, Ind., a corporation of Indiana**
**Application January 17, 1936, Serial No. 59,533**
**10 Claims. (Cl. 240—7.1)**



1. In a headlight structure for a vehicle, the combination of a pocket located at the front of the vehicle and provided with a forwardly and upwardly facing opening, an electric lamp associated with the pocket and comprising a lens and a concavo convex reflector, and a mounting adapted to support the lamp so that it may be swung upwardly from an inoperative position wherein it is disposed wholly within the pocket and the lens thereof faces downwardly into an operative position wherein the lens thereof faces forwardly and is positioned wholly outside of the pocket and the upper portion of the reflector is disposed exteriorly of the pocket opening, and comprising a bearing bracket fixedly mounted in the upper portion of the pocket and a horizontally extending rotatable shaft in the bearing bracket spaced outwardly a small distance from and centrally positioned with respect to the central part of the reflector and connected by rigid arm-like members at the ends thereof to the side parts of the lamp.

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2,119,893
**TUBULAR WOVEN FABRIC**
**Joseph W. Stark, New York, N. Y.**
**Application February 27, 1937, Serial No. 128,186**
**2 Claims. (Cl. 139—387)**



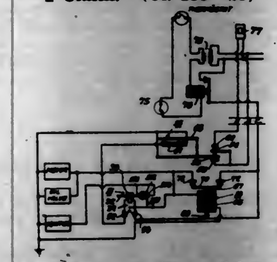
1. A tubularly woven ribbon or similar narrow fabric consisting of a longitudinally continuous fabric tube of indefinite length consisting of a textile weft thread and crepe-forming textile warp threads woven with said weft thread in tubular formation, said warp threads being highly twisted whereby the fabric possesses substantial elasticity uniformly of the fabric throughout its extent at the edges of the fabric as well as at its intermediate portion, and additional thicker non-creping warp threads interwoven with and floated over a plurality of weft thread portions



of both courses of said weft thread inwardly of each selvedge edge to bind the opposite layers of the tubular fabric together to prevent relative displacement of said layers.

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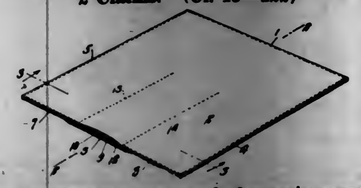
2,119,894
**PRIMARY CONTROL**
**August A. Strand, Malden, Mass.**
**Application November 6, 1934, Serial No. 751,713**
**Renewed November 5, 1937**
**1 Claim. (Cl. 158—28)**



In a system for controlling oil burners or the like having a control switch; a starting relay comprising a solenoid and a pair of starting contacts; a stack switch having a first pair of contacts and a bridging member, and auxiliary contacts; a safety heating device including a heating coil and a switch controlled thereby; a fuel-feeding device; and an ignition device; a main circuit comprising said control switch, said safety switch and a network therebetween all serially connected across the power line, said network comprising a first circuit including said starting contacts and said fuel-feeding device serially connected between said control switch and said safety switch, a second circuit including the first contacts of the stack switch and the safety heating coil serially connected between said control switch and said safety switch, a third circuit including the bridging member of the stack switch, the auxiliary contacts of the stack switch and the ignition device serially connected, the ignition device being disposed next to said safety switch, said solenoid being connected to the bridging member of said stack switch and to said safety switch, and an interconnection between said bridging member and a point in said first circuit between the starting contacts and said fuel-feeding device.

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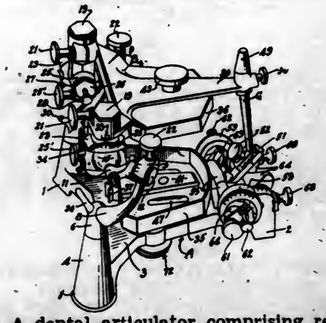
2,119,895
**WASHCLOTH**
**Eunice S. Sutton, Brooklyn, N. Y.**
**Application July 9, 1937, Serial No. 152,691**
**2 Claims. (Cl. 15—122)**



1. A wash cloth composed of superimposed layers of fabric secured together adjacent their edges to provide an internal pocket and having an edgewise opening thereto for the insertion of soap particles, a fabric insert secured at its side edges to the inner surface of one fabric layer and having its outer marginal edge secured to the other layer along the edge wall of the opening thereby to provide an elongated channel entry opening to the pocket.

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2,119,896
**ARTICULATOR**
**William E. Van Dorn and Wilfrid H. Terrell, Pasadena, Calif., assignors to Precision Dental Mfg. Co., Pasadena, Calif., a corporation of California**
**Application October 30, 1935, Serial No. 47,434**
**11 Claims. (Cl. 32—32)**



11. A dental articulator comprising relatively adjustable upper and lower members for supporting a set of artificial dentures, means associated with said members cooperating for regulating and effecting movement of said upper member relative to said lower member, tracks on said upper member, condyle fulcrums supported on said lower member and engageable with said tracks and being separately adjustable with and independently of said tracks for varying the position of said fulcrums as required to produce natural movements and means for adjustably supporting said condyle fulcrums for divergently positioning the same relative to true lateral alignments.

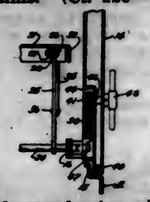
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2,119,897
**DISPENSING SLIDE MECHANISM**
**John C. Wahl, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois**
**Application May 26, 1934, Serial No. 727,677**
**12 Claims. (Cl. 312—48)**



12. A dispensing device for metal checks or the like comprising a plurality of movable separating slides having normally aligned apertures therein, a slidable release plate mounted beneath said separating slides, and means for moving a selected one of said separating slides and said release plate to cause said slide to support the checks above the level of said slide in a stack thereof arranged in the opening provided by said aligned apertures, and to cause said release plate to move out of supporting relation to said stack of checks whereby all checks beneath said separating slide will be discharged from the device.

2,119,898
**BROILER**
Richard S. Weston, Joliet, Ill., assignor to The Moore Corporation, Joliet, Ill., a corporation of Delaware
Application April 1, 1935, Serial No. 14,015
2 Claims. (Cl. 126—41)

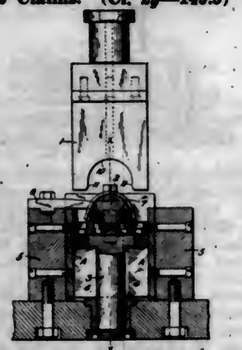


1. In a broiler drawer having a broiler pan and mechanism for adjusting the position of said pan relative to said drawer, a segmental gear for actuating said pan adjusting mechanism, a door pivotally secured to said drawer, a pinion mounted on said door so as to engage said segmental gear when said door is in closed position, and means extending exteriorly of said door for actuating said pinion.

2,119,899
**PRODUCING ALIPHATIC ALCOHOLS OF HIGH MOLECULAR WEIGHT**
Hermann Zorn, Ludwigshafen - on - the - Rhine, Friedrich Vogel, Mannheim, and Heinrich Welter, Amsdorf, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 13, 1934, Serial No. 739,634. In Germany August 17, 1933
12 Claims. (Cl. 260—156)

1. The process of producing mixtures of aliphatic alcohols containing high molecular alcohols which comprises condensing an aliphatic aldehyde by means of a free nitrogenous organic base and then hydrogenating the condensation product in the presence of the said condensing agent with the simultaneous addition of a hydrogenation catalyst.

2,119,900
**MANUFACTURE OF BEARINGS**
John Bate, Alperton, England, assignor to The Glacier Metal Company Limited, Alperton, England, a British company
Application January 11, 1936, Serial No. 58,741
In Great Britain January 25, 1935
10 Claims. (Cl. 29—149.5)



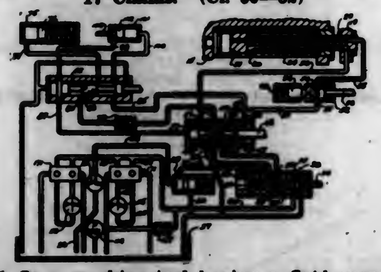
1. Process for forming a flanged half-bearing shell of substantially semi-circular shape from a metal blank, which comprises bending said blank into a U-shaped piece to form a curvature at the apex of the U approximating to that of the finished shell, the legs of said U being left substantially straight for a partial distance from their ends, and being at least tangentially disposed and preferably diverted slightly outwardly in relation to said curved portion, subjecting said U-shaped piece to the action of an open flanging press whereby the side margins of the U are turned upwardly towards its apex to form flanges beginning at the four corners, and simultaneously subjecting said side margins to a compressive stress to cause metal to flow from said four corners towards the apices of said flanges to compensate for the shortage of metal which would normally exist at said apices due to the increased radius at the edges of said flanges.

2,119,901
**CLOSURE AND METHOD OF APPLYING THE SAME**
Lewis E. Beitler, Detroit, Mich., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application March 21, 1934, Serial No. 716,682
3 Claims. (Cl. 226—30)



2. The method of sealing a container having an opening therein which consists in dipping the portion of the container adjacent the opening in molten wax to coat the outer surface of the container adjacent the opening with wax, allowing the wax to harden, covering the opening in the container and the portion of the outer surface of the container which is covered by said wax with a moistened closure formed of a substance adapted to shrink during drying, and allowing said closure to dry while in said position.

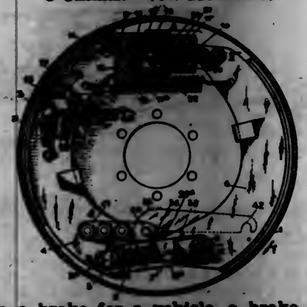
2,119,902
**MACHINE TOOL TRANSMISSION AND CONTROL MECHANISM**
Louis H. Blood, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application September 27, 1934, Serial No. 745,773
17 Claims. (Cl. 60—52)



1. In a machine tool having a fluid operable motor for actuating a slide thereof, a first pump, and a channel for connecting said pump to the motor, the combination of a plurality of auxiliary pumps for varying the quantity of flow in said channel including valve means for determining the pumps to be placed in communication with said channel, a common actuating means for the pumps, and a control mechanism having a first part operable for determining the pumps to be actuated, and a second means for conditioning the valve means of the actuated pumps whereby only the pumps that are placed in communication with said channel are actuated.

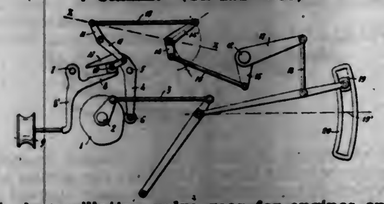


2,119,903
**SHOE BRAKE**
Louis Charles Brimeux, Neuilly-sur-Seine, and Pierre Marmaignac, Le Pre-Saint-Gervais, France, assignors to Société Anonyme: Société des Freins Hydrauliques S. de Lavaud, Paris, France
Application February 11, 1936, Serial No. 63,458
In France June 3, 1935
3 Claims. (Cl. 188—79.5)



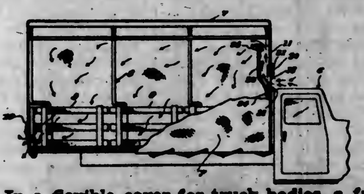
1. In a brake for a vehicle, a brake drum, a fixed member having stop surfaces, two brake shoes each pressed, at one of their ends, against one of said stop surfaces, resilient means arranged for moving the other ends of the brake shoes towards each other, spacing means operable while the vehicle is running supported by one at least of the shoes and arranged for cooperating with the other shoe, said spacing means comprising a device for taking up the wear, and means for automatically adjusting the distance between one at least of the shoes and the drum when the said shoe is in the position of rest.

2,119,904
**VARIABLE VALVE LIFT FOR OSCILLATING VALVE GEARS**
Arturo Caprotti, Milan, Italy
Application September 10, 1935, Serial No. 39,988
In France September 13, 1934
7 Claims. (Cl. 121—166)



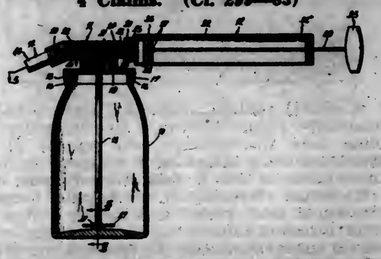
1. An oscillating valve gear for engines operating with variable cut off and provided with separate inlet and exhaust valves wherein the invariable kinematical chain used heretofore and connecting the valves with the oscillating gear is opened in a point between the valve and the first member possessing a motion similar to that of the same valve, and a variable coupling is inserted between the ends of the opened chain to close it, the ratio of the travels of the two ends of the chain being adjustable at will.

2,119,905
**VENTILATOR FOR TRUCK COVERS**
Wilbur F. Crawford, Waco, Tex.
Application August 4, 1937, Serial No. 157,496
5 Claims. (Cl. 98—13)



4. In a flexible cover for truck bodies, a front wall portion provided with an unobstructed air inlet aperture, an air deflecting baffle member on the inner face of the cover behind said aperture and diverging therefrom, and said baffle member including a flexible conduit secured to the inner face of the cover around a portion of said aperture, and said conduit having an air outlet end spaced from said air inlet aperture baffle.

2,119,906
**DEVICE FOR CREATING AND DELIVERING A CLEANING FOAM**
Jack E. Dorman, Cincinnati, Ohio
Application August 24, 1936, Serial No. 97,606
4 Claims. (Cl. 299—83)

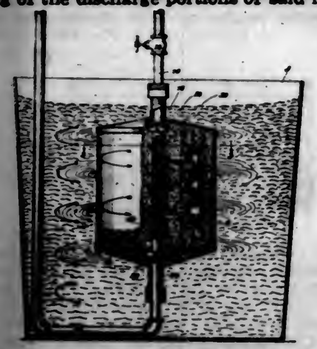


1. A foam creating device comprising a head including a handle and a discharge nozzle, a receptacle for detergent solution supported on the head, said nozzle in communication with the entire space above the detergent solution, an air delivery conduit extending from the head approximately to the bottom of the receptacle, means for supplying air under pressure through said conduit, said nozzle including a multiplicity of serially arranged screens and the air delivery conduit including means at its lower end within the solution for breaking and diffusing the air stream whereby bubbles are created and delivered to the entire space above the detergent solution and forced through the nozzle, the screens of the nozzle being effective for breaking the bubbles into minute bubbles and creating a foam.

2,119,907
**HEATING APPARATUS FOR LIQUID**
John C. Dunlap, Hutchinson, Kans.
Application December 28, 1935, Serial No. 56,561
3 Claims. (Cl. 257—74)

3. In a structure for heating a liquid in a container, a drum rotatably mounted in the container and surrounded by the liquid to be heated, nozzles within said drum and having discharge portions advanced circumferentially, one with respect to the other, internal vanes carried by said

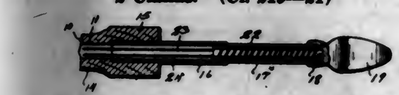
drum and spaced circumferentially from each other distances greater than the circumferential spacing of the discharge portions of said nozzles,



and means for supplying fluid under pressure to said nozzles to be discharged thereby into contact with said vanes for effecting rotation of said drum.

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2,119,908
**WAX MODELING SPATULA FOR DENTAL WORK**
Joseph Kilis, Columbus, Ohio
Application November 17, 1936, Serial No. 111,299
2 Claims. (Cl. 219—21)



1. A dental spatula, including a thick-walled non-metallic handle having a longitudinally extending bore therethrough, the handle at its forward end being increased in diameter to form a finger guard, a thin metallic tube inserted into the thickened extremity of the handle, forming a permanent part thereof and having a close fit therein, a second thin metallic tube having screw threaded engagement with the forward end of the first named tube, a spatula spoon having a socket screw threaded for engagement with the forward end of the second named tube, an electric heating element disposed entirely within the last named tube and extending to the extreme forward end thereof, conductors extending through the tube handle, a ferrule having tight-fitting but removable engagement with the rear end of the handle and through which the conductors pass, and a coiled conductor protective spring engageable with the ferrule and through which the conductors pass.

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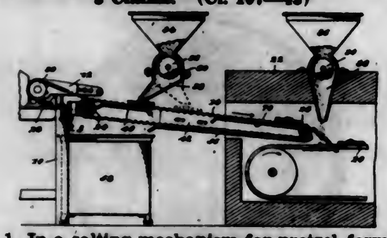
2,119,909
**MATERIAL TREATING AND HANDLING APPARATUS**
Joseph D. Ferry, Harrisburg, Pa.
Application July 16, 1932, Serial No. 622,976
14 Claims. (Cl. 107—43)



1. In a mechanism of the class described, a reticulated conveyor having upper and lower flights, means to furnish articles of food to the upper flight of the conveyor, a hopper for granular material located above the conveyor and having an outlet member, and a rebound member between the upper and lower flights of the conveyor and in the path of travel of the granular material discharged from said outlet member to bounce the granular material engaged thereby into speckling contact with the food, said outlet member being extended at an acute angle to the plane of the deflector.

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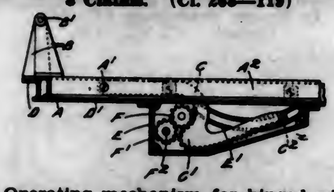
2,119,910
**MECHANISM FOR COATING FOOD FORMS**
Joseph D. Ferry, Harrisburg, Pa.
Application October 12, 1933, Serial No. 693,386
3 Claims. (Cl. 107—43)



1. In a salting mechanism for pretzel forms, a reticulated conveyor having upper and lower flights, a salt hopper above the conveyor and having an outlet member provided with an outlet end to discharge salt onto pretzel forms carried by the upper flight of the conveyor, a plate below the hopper and the upper flight of the conveyor, a second plate in guiding relation to the lower flight of the conveyor and having an upwardly curved lip embracing the discharge end of said conveyor and disposed in receptive relation to the salt discharged from said first-named plate, said second-named plate being formed with a plurality of salt passages.

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2,119,911
**MECHANISM FOR OPENING AND CLOSING HINGED WINDOWS AND THE LIKE**
Jack Fox-Williams, London, England
Application September 7, 1937, Serial No. 162,816
In Great Britain September 16, 1936
8 Claims. (Cl. 268—119)



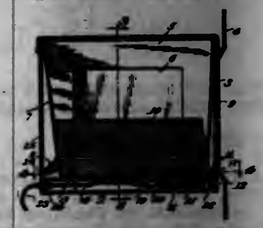
1. Operating mechanism for hinged windows, shutters and like hinged members the pivotal axis of which lies on the side of the plane thereof towards which the window, shutter or like hinged member opens, including in combination an operating bar one end of which is adapted to be pivotally connected to the window and operating mechanism acting on the other end of the bar comprising a rack rigid with the bar and having a main longitudinally extending part terminating at the end adjacent to the pivot connecting the bar to the window in a curved part extending through an angle of more than 90°, a pinion engaging the rack, means controlling the movement



of the rack to maintain it always in engagement with the pinion, and means for rotating the pinion whereby during the initial opening movement, the bar is caused to move in the direction of its length in one direction and also to swing to the required extent whereas for subsequent opening movement of the window the bar is caused to move in the direction of its length in the opposite direction.

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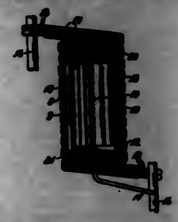
2,119,912
**TONGUE DEPRESSOR DISPENSER**
Julius D. Fuselier, Port Arthur, Tex.
Application August 25, 1937, Serial No. 160,899
2 Claims. (Cl. 312—67)



1. A dispensing cabinet for tongue depressors, comprising a relatively narrow elongated casing having a slot in the front wall thereof, a receptor for receiving the depressors and removably housed within the casing, said receptor including walls having inwardly inclined portions providing guides for the depressors, a strip providing the bottom of the receptor and reduced for the major portion of its length to provide a guide having shoulders at the forward end thereof, a spring pressed carriage slidably mounted on the guide and engageable with the shoulders to limit the movement thereof, a tongue formed on the rear end of the carriage and engageable with the lowermost depressor for ejecting the latter partially through the slot upon movement of the carriage against the action of the spring, handled means secured to the carriage and extending through the casing, and the handle of said handled means being removable therefrom.
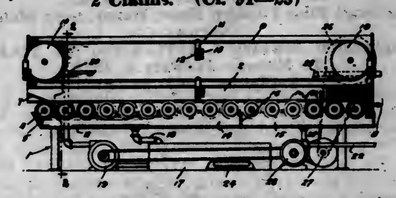
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2,119,913
**CATHODE FOR DISCHARGE TUBES**
Gilles Holst and Hajo Lorens van der Horst, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application September 6, 1934, Serial No. 743,006
In Germany September 7, 1933
8 Claims. (Cl. 250—27.5)



1. A compact incandescible cathode structure comprising a composite band having an elongated support serving as a carrier for the emission current, and a large surface area member consisting of a transversely-corrugated metal strip having the same width as said support, each corrugation of said strip being secured and electrically connected to said support along its crest, said composite band being provided on its surface with a highly electron-emissive material and being bent several times along lines perpendicular to the longitudinal axis of the support to form a series of convoluted portions and to form said band into a compact body, a rod of conductive material disposed in the center of said body and electrically connected to said support, a directly-heated helically-wound cathode surrounding said body to heat same to its proper electron-emitting temperature, said cathode having a large surface area provided with a highly electron-emissive substance, and means supporting said body from said rod and insulatingly spacing said body from said cathode, said means comprising a plurality of insulating members disposed between the corrugations of said strip, and supporting members secured to said insulating members and to said rod.

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2,119,914
**APPARATUS FOR THE SKIN TREATMENT OF CITRUS FRUIT**
Richard Holscker, Lake Wales, Fla., assignor to Citrus Color & Supply Company, Tampa, Fla., a corporation of Florida
Application January 20, 1936, Serial No. 59,964
2 Claims. (Cl. 91—25)



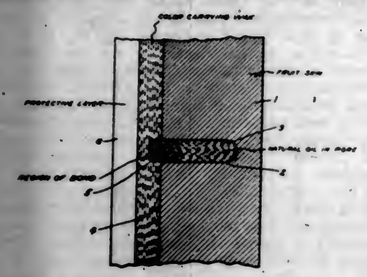
1. Apparatus for treating the surface of citrus fruits comprising a bed of juxtaposed brushes mounted to rotate on substantialy parallel axes and having cylindrical bristled faces, a conveyor above said brush bed moving in the direction substantially perpendicular to the axes of said rotatably mounted brushes, said conveyor comprising a series of brushes moving over said brush bed from the anterior to the posterior end thereof in a path to engage citrus fruit and roll them toward the discharge end of the apparatus, means over the anterior end of said brush bed for applying liquid to the surface of the fruit, the riffles formed between adjacent of the rotatably mounted brushes detaining the fruit whereby its surface is subjected to the wiping action of the bristles of said brushes, a tank below the anterior end of said bed for catching surplus liquid from said applying means and a pump for returning liquid from said tank to said applying means during dye spraying.

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2,119,915
**BONDING PROCESS FOR CITRUS FRUIT SKIN COLORING**
Richard Holscker, Lake Wales, Fla., assignor of one-third to C. C. Commander, Tampa, Fla., and one-third to I. A. Yarnell, Lake Wales, Fla.
Application January 24, 1936, Serial No. 60,680
4 Claims. (Cl. 99—103)

1. Process of enhancing the natural color of the skin or peel of fresh citrus fruits and at the same time providing a shrinkage-preventing film on said skin or peel, comprising exposing the fruit to the action of a color-solvent-wax solution, the

solvent being a liquid having penetrant properties for the oily or waxy constituents in the pores of the fruit peels, for approximately one minute and at a temperature not exceeding 90° F., then immediately removing excess color-solvent-wax



solution whereby penetration is stopped at the mouths of the pores, the wax film being bonded only at the mouths of the pores and the natural oily and waxy constituents being conserved in the depths of the pores.

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2,119,916

**REVOLVING DRYING OVEN**

Ingebrigt Elias Paulsen Huse, Haroy, near Molde, Norway

Application January 4, 1937, Serial No. 118,987
In Norway January 4, 1936
5 Claims. (Cl. 34—5)



1. A drying oven consisting of a main drying chamber, a second chamber therewithin having one side disposed at such inclination that material to be dried will slide thereon by gravity, means to move material from below the lower part of the said inclined side on to the upper side thereof said inclined side having louvered openings therethrough, means to discharge heated gases through said openings, a roller extended horizontally adjacent said inclined side, hanger means therefor having a fixed pivotal axis above the second chamber positioned so that the roller will tend to swing by gravity against the said inclined side.

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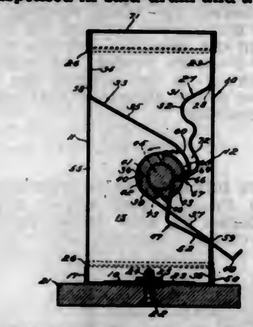
2,119,917

**DISPENSER**

Eric M. Ilsemann, Newark, N. J.

Application October 3, 1936, Serial No. 103,938
6 Claims. (Cl. 312—34)

1. An article dispenser comprising a housing for receiving articles to be dispensed; a dispensing drum rotatably supported in said housing; a partition secured to opposite walls of said housing and sloping from one of said walls to said drum and from said drum to said other wall, said first mentioned sloping portion extending over said drum to support the articles above said drum and having a circular portion between said sloping portions for surrounding a portion of said drum and retaining the articles to be dispensed in said drum and a plate secured



to said housing and cooperating with said partition to deliver articles separately to said drum.

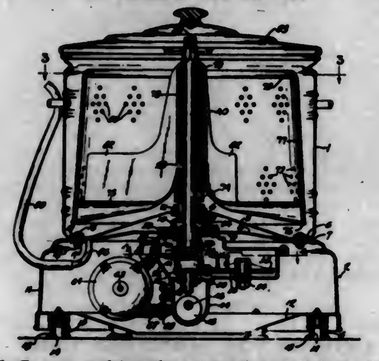
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2,119,918

**FABRIC CLEANSING MACHINE**

James B. Kirby, West Richfield, Ohio, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, as trustee

Application May 4, 1931, Serial No. 534,718
16 Claims. (Cl. 68—18)



1. In a machine for cleansing fabric articles, a casing for detergent liquid, a vertical shaft journaled in the bottom of said casing, driving mechanism beneath said casing for oscillating said shaft, a one piece agitator having a socket for engaging said shaft, said agitator having blades extending outwardly from the socket thereof and also having a circular corrugated bottom plate, and a shell surrounding and attached to said agitator.

10. In a machine for cleansing and extracting fabric articles, in combination, a double-walled container mounted on a vertical axis, the outer wall having an imperforate bottom and an imperforate upwardly slanted side defining a surface of revolution about said axis, and the inner wall having perforations in its sides and bottom and spaced from said outer wall, means for selectively oscillating and rotating said container about its axis, and dasher means inside said inner wall for agitating the fabric and liquid during such oscillation.

12. In a laundry machine, in combination, a support, a vertical sleeve fixed on said support and rising therefrom, a casing having its bottom



resting on said support, said bottom having an aperture therein through which said sleeve loosely projects, means for securing said casing to said support at a distance from said sleeve, and a clamp-joint securing said casing bottom to said sleeve in leak-proof relation, said joint comprising a soft-packing surrounding said sleeve and two recessed, relatively movable nuts operatively threaded together and embracing said packing, one of said nuts being secured to the casing bottom, and said sleeve having a cylindrical external surface at the place where it is engaged by said packing whereby slight relative axial movements between the apertured portion of said casing and said sleeve may take place to relieve the casing bottom of strains that might be set up by reason of thermal expansion or contraction occasioned by changes in the temperature of the casing or its support or otherwise.

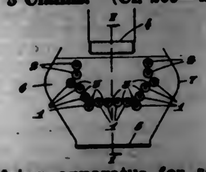
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2,119,919

**CLASSIFYING APPARATUS FOR POSTAL MATTER**

Arthur John Knight, Bickley, and Hubert William Cadman, Eltham, London, England, assignors to Sovex Limited, London, England, a company of Great Britain

Application April 14, 1936, Serial No. 74,372
In Great Britain April 18, 1935
5 Claims. (Cl. 209—107)



1. Classifying apparatus for segregating letters from parcels, comprising a plurality of substantially parallel rollers disposed with gaps between them in an open trough-formation, including rollers forming the bottom of the trough-formation, a roller set downwardly from the line of the said bottom at a side edge thereof, rollers forming the side walls of the trough formation, a roller set outwardly from the line of a side wall, and at least one roller set inwardly above the last-named roller to form a lip at the top of the side-wall, the downward and outward setting of the rollers respectively so set forming recesses from which the gaps between the said rollers and the respectively adjacent rollers open in directions substantially at right angles to each other.

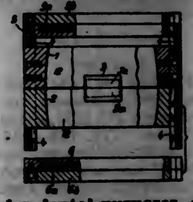
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2,119,920

**FLASK FOR DENTAL PURPOSES**

Herbert Königsmann, Schoneberg, Berlin, Germany

Application August 19, 1937, Serial No. 159,971
In Germany February 20, 1936
2 Claims. (Cl. 18—33)



1. A flask for dental purposes, comprising two rings designed to be disposed one upon the other, means carried by one ring upon each of two opposite sides for engagement across adjacent sides of the other ring preventing relative lateral movement of the rings, locking means between the adjacent ends of the rings and upon opposite sides thereof, said locking means spaced in a plane passing thru the flask perpendicular to the plane of said first means and consisting at each side of the flask of a pair of ears each carried by a ring and a connection for each pair which is movable across the rings to connect or disconnect the ears whereby separation of the rings along their axial centers is prevented, a flat cover plate for and resting against the outer end of each ring, and means coacting with said first means by which the cover plates are held against sliding movement across the ends of the rings, but may move outwardly away therefrom.

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2,119,921

**TOY BUILDING BLOCKS, TILES, BRICKS, AND THE LIKE**

Arnold Levy, Petersfield, England, assignor to Premo Rubber Company Limited, Petersfield, Hampshire, England

Application March 8, 1937, Serial No. 129,749
In Great Britain March 12, 1936
2 Claims. (Cl. 46—25)



1. A tile unit constructed for use in forming the roof of a toy building and the like, comprising an integral body having a flat lower surface, an upper surface inclined in one direction relative to the lower surface, a first thickness reduction at one end of the body to provide a flat surface below the inclined upper surface, a second thickness reduction at the opposite end of the body to provide a flat surface above the lower surfaces of the body, the shoulder formed by the first thickness reduction being of less height than the similar dimension of the end of the body overlying the second thickness reduction, the flat surfaces of both thickness reductions being on substantially the same plane longitudinally of the body and parallel to the flat lower surface of the body, whereby when the units are assembled in roof form with the second thickness reduction of each unit overlying and interfitting with the first thickness reductions of adjacent units, the end of the unit overlying the second thickness reduction will project above the surface of the immediately adjacent unit to simulate roof formation.

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2,119,922

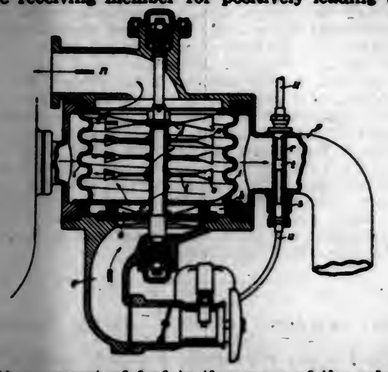
**CARBURETOR**

Alfred Lutz, Ravensburg, Germany

Application September 7, 1934, Serial No. 743,130
In Germany September 9, 1933
4 Claims. (Cl. 261—34)

1. A heavy oil carburetor, comprising a rotatably mounted splash wheel having a plurality of closely-spaced vanes interconnected by a receiving member to guide any particles of fuel to the vanes, having a heating wall with corrugations succeeding each other in the direction towards the inlet end of said carburetor said corrugations surrounding the ends of the vanes, said vanes having surfaces which are approximately parallel to the direction of the axis of rotation of the wheel and the surfaces centrifugally and

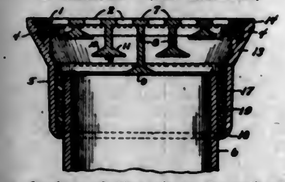
directly throwing the particles of oil radially against the heating wall, and means including the receiving member for positively leading the



entire amount of fuel to the vanes of the splash wheel whereby all the particles will be caught and thrown by the vanes.

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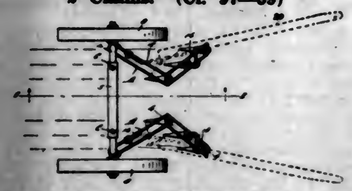
2,119,923
**COVER AND MOUNTING FOR VENTS AND THE LIKE**
Duncan J. McIntyre, Syracuse, N. Y.
Application October 25, 1937, Serial No. 170,977
8 Claims. (Cl. 182—31)



1. In a device of the class described, a collar member having a diameter somewhat greater than the diameter of a vent pipe or the like and adapted to be mounted thereon, a cover member adapted to be positioned across the open end of the collar member, said cover member having a plurality of openings therein arranged in spaced relation to each other and forming bars therebetween constituting a grate-like structure, and ribs depending from the bars aforesaid and each terminating at its lower extremity in the form of an enlargement substantially triangular in cross-section with two of the vertices respectively disposed at opposite sides of the center of the rib and in the same plane, whereby to form oppositely inclined baffle surfaces extending laterally in opposite directions from each rib.

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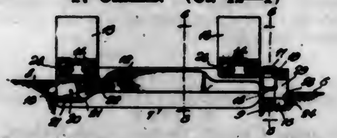
2,119,924
**GARDEN CULTIVATOR**
Floyd F. Nichols, David City, Nebr.
Application July 26, 1937, Serial No. 155,763
2 Claims. (Cl. 97—59)



1. A cultivator of the class described comprising a sleeve, a pair of substantially L-shaped members each having one leg supported in the sleeve for limited rocking movement, the other leg extending downwardly, outwardly extending spindles carried by said other legs, wheels carried by the spindles, a pair of shovel carrying frames connected to said other legs, a pair of handles and means for connecting each handle to a frame and to the leg to which said frame is connected.

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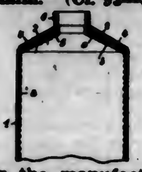
2,119,925
**TELESCOPIC SIGHT MOUNT**
Freeman O. Peterson, Warren, Pa.
Application June 17, 1937, Serial No. 148,817
17 Claims. (Cl. 42—1)



1. In a sight mounting means, a rifle having a receiver provided with an upwardly open longitudinal loading recess, one end wall of said recess being provided with a shallow socket which opens toward the other end wall of said recess; an elongated sight-mounting body extending longitudinally of the upper portion of said loading recess but sufficiently high to prevent interference with loading, one end of said body being provided with a stud snugly received in said socket, and releasable means for securing the other end of said body to said receiver.

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2,119,926
**COLLAPSIBLE TUBE CONTAINER**
Heinrich Quittner, Vienna, Austria, assignor to the firm Löwit & Comp., Vienna, Austria
Application February 1, 1937, Serial No. 123,498
In Austria February 21, 1936
1 Claim. (Cl. 93—39.1)

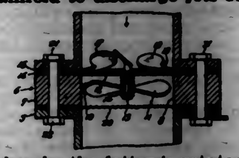


A process for the manufacturing of a collapsible tube consisting of forming a tubular body of paper, reducing the diameter of the body at one end, applying reinforcing members to the inner and outer surfaces of the reduced portion of the body, fixing an outlet element to the reinforced end of the body and applying a coating on the inner surface of the body in the form of a film-like lining of an elastically yielding material capable of being subjected to chemical and mechanical strains independently of the paper body.

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2,119,927
**INTAKE AND MIXING DEVICE**
Frank Reid, Williams, Minn.
Application December 11, 1937, Serial No. 179,368
3 Claims. (Cl. 123—119)

1. The combination with a carburetor and the intake manifold of an internal combustion engine, of an auxiliary air supply and mixing unit in the line of connection between said carburetor and manifold comprising a ring-like member, a fan rotatably mounted in said member, said member having a plurality of jet forming air inlet ports therein adapted under suction created in said manifold to discharge jets of air against



said fan whereby the latter is rotated, a plurality of baffle fingers extending inwardly of the member over said fan, and means for introducing auxiliary air to said ports comprising an oil container through which said auxiliary air is passed.

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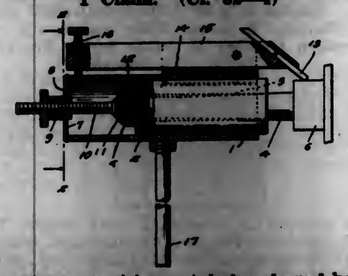
2,119,928
**NOISE-DAMPING DEVICE FOR POWER-DRIVEN TYPEWRITERS**
Andreas Salzberger, Erfurt, Germany, assignor to Olympia Büromaschinen-werke A. G., Erfurt, Germany
Application February 17, 1937, Serial No. 126,283
In Germany February 21, 1936
7 Claims. (Cl. 197—17)



1. A mechanism for obtaining noise-dampened imprints of the type-levers of a power-driven type-writing machine, comprising in combination with the type-levers a power-driven rotating device adapted to lift the selected type-lever and comprising a shaft, an eccentric disc and means adapted to couple said shaft with said disc, an oscillating member having antifriction members engaging said eccentric disc on opposite points, an intermediate lever pivotally arranged and connected with said movable member, and means adapted to couple said intermediate lever with said type-lever to effect a contemporaneous swinging movement.

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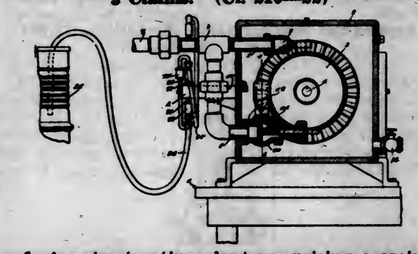
2,119,929
**SPINDLE CUTTER**
Albert C. Schmitt, St. Nazianz, Wis.
Application March 31, 1937, Serial No. 134,181
1 Claim. (Cl. 82—4)



A cutter comprising a tubular shaped body, a sleeve having said body slidable thereon and provided with a bore to receive an axle spindle with one end af the latter projecting beyond one end of said sleeve, a plate closing one end of the body and having a key hole shaped slot, a feed nut having an annular groove journaled on the plate by the walls of the slot fitting in the groove of said feed nut, a feed stem received by the feed nut and extending into the body, a head formed on the feed stem and bearing against the sleeve and threaded on the axle spindle, a handle secured on said body, spaced flanges formed on said body, a tool holder pivoted on said flanges, a cutting tool carried by said holder, and an adjusting screw carried by said holder to engage with the body for adjusting the cutting tool relative to a bearing on the axle spindle.

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2,119,930
**SELF POWERED AUTOMATIC WATER TREATING PLANT**
Olin A. Sims, Beeville, Tex.
Application June 1, 1936, Serial No. 82,945
3 Claims. (Cl. 210—22)



1. A water treating plant comprising a casing, a water wheel mounted in said casing, a controlled water outlet for said casing, nozzles located in the casing for directing water under pressure against said water wheel, water inlet pipes extending into the casing and one of said inlet pipes connected to one of the nozzles, a self-closing relief valve connecting the other water inlet pipe to the other nozzle and opened by the water pressure in the inlet pipe connected thereto when the water pressure in the casing falls below the pressure of the water in the last-named inlet pipe, a water supply pipe connected to said inlet pipes, and means driven by said water wheel for injecting treating fluid into the water supply pipe.

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2,119,931
**SIGN**
Charles A. Smith, Toledo, Ohio, assignor to Signco, Inc., Perrysburg, Ohio, a corporation of Ohio
Application June 10, 1937, Serial No. 147,436
2 Claims. (Cl. 40—132)



1. A transparency having different opacity degree portions including a bounding section, a trim, and a cardboard-like shadow box assembled by the trim with the transparency, said box embodying a frame having a pair of inwardly extending hinge wings and a back for spacing the unfolded wings and having a ventilator extending therefrom anchored with the frame by hinge means in a plane approximating the plane of the hinge for the wings.

2,119,932
**PROCESS FOR THE MANUFACTURE OF RUBBER DUST**
Martinus Joännes Stam, The Hague, Netherlands
No Drawing. Application August 30, 1935, Serial No. 38,653. In the Netherlands September 5, 1934
3 Claims. (Cl. 18—50)

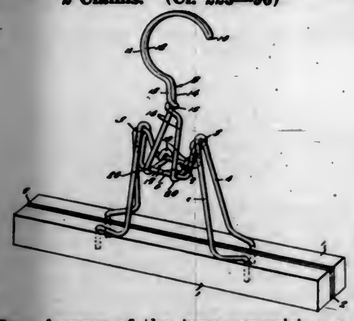
1. Process for the manufacture of rubber dust from latex, comprising adding to latex a substance which prevents agglomeration of dried rubber particles, subdividing said latex entirely into small droplets and discharging these droplets into a current of drying gas of a sufficient velocity to prevent uniting of the droplets before they are dried.

2,119,933
**TIME SWITCH MECHANISM**
George Stokes, Long Beach, Calif., assignor of one-half to Chas. H. Adams, Long Beach, Calif.
Application April 3, 1936, Serial No. 72,601
3 Claims. (Cl. 200—39)



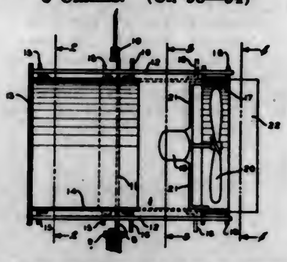
1. A time switch mechanism comprising a chronometer, a shaft rotatable by the chronometer, a disc on the shaft, a pair of arms adjustably mounted on the shaft, a switch adjacent the disc, a pair of plungers extending to the switch, a spring on each of the plungers urging the same into engagement with the switch, a trigger means engaging each of the plungers, said arms having fingers thereon engaging the trigger means whereby the plungers are released to alternately open and close the switch, and means on one of the arms engageable with the plungers whereby the plungers are drawn inwardly and the trigger means set preparatory to releasing the plungers.

2,119,934
**GARMENT HANGER**
James Woods, Buffalo, N. Y., assignor to James R. MacDonald and Company, Buffalo, N. Y., a corporation of New York
Application August 18, 1937, Serial No. 159,769
2 Claims. (Cl. 223—96)



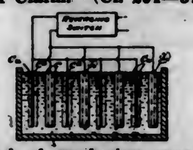
1. In a hanger of the type comprising a pair of hingedly connected rods including substantially U-shaped intermediate portions and coacting jaws on said rods, a lever for releasably securing the jaws in closed position, said lever comprising a single length of wire folded upon itself at an intermediate point and formed to provide a hook, a pair of parallel shanks extending from said hook, a coil on one of said shanks encircling the other shank, and a pair of diverging legs extending downwardly from said coil and said other shank, and lateral parallel extensions on said legs terminating in eyes journalled on one of said U-shaped portions, said legs being slidably engageable with the other of said U-shaped portions for closing and holding the jaws in closed position.

2,119,935
**COMBINED CIRCULATING AND VENTILATING FAN ASSEMBLY**
Malcolm P. Youker, Bartlesville, Okla.
Application August 17, 1936, Serial No. 96,406
3 Claims. (Cl. 98—94)



1. An air circulating fan assembly comprising two co-axial cylindrical members, one of said members supporting a motor driven fan within the room, the other of said members extending through an opening in one wall of the room to provide an air inlet conduit, one of said members being movable in one direction with respect to the other member to provide a radial opening within the room communicating with the suction side of said fan, and means cooperating with said movable member for closing the inlet end of said conduit, whereby the operation of said fan will cause the circulation of air within the room, said movable member being movable in the opposite direction to close said radial opening and open the inlet conduit, whereby the operation of said fan will draw fresh air from the atmosphere into said room.

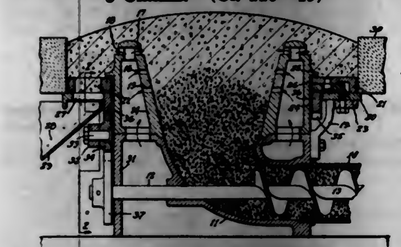
2,119,936
**METHOD OF RECOVERING PURE COPPER FROM SCRAP AND RESIDUES**
Clarence B. White, Philadelphia, Pa.
Application October 2, 1935, Serial No. 43,277
1 Claim. (Cl. 204—57)



The method of producing pure copper from copper bearing scrap and metallurgical residues, which comprises smelting said scrap and residues to separate the metals from the non-metal content, casting the molten metal into plates to form anodes, arranging said anodes in alternate relation with insoluble cathodes in a copper sulfate electrolyte, connecting the anodes and cathodes to the positive and negative poles respectively of a source of electric current until substantially all the copper content of the anodes is deposited upon the cathodes the cast anodes being reduced to a thin strip or shell, removing the electrolyte and sludge, replacing the strip or shell with a sheet of electrolytic copper, adding fresh copper sulfate electrolyte and reversing the polarity of the current from said source to the electrodes to thereby transfer the copper deposited upon the cathodes to said sheets to form plates of pure electrolytic copper.



2,119,937
**ASH REMOVER FOR UNDERFEED STOKERS**
Thomas H. Banfield, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application March 21, 1932, Serial No. 600,193
5 Claims. (Cl. 110—45)



1. A coal burning stoker having in combination a circular tuyère section, a fire pot surrounding said tuyère section and spaced therefrom, a table within said space below the top of said fire pot and tuyère sections and spaced from said tuyère section, said table having an outlet for ashes accumulating thereon, a rotatable ash remover ring mounted on said table and having openings therethrough whereby ashes accumulating therein will be carried around said table at the bottom of the outer portion of the fuel bed and discharged therefrom into said outlet, said tuyère section having an encircling flange immediately overlying the top inner edge of said ring, a ring gear within the space between said table and tuyère, and a pinion actuated by the fuel feed screw of the stoker meshing with said gear.

2,119,938
**PROCESS FOR DEWAXING OILS**
Charles Douglas Barnes, Long Beach, and Marcellus T. Flaxman, Wilmington, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application April 10, 1937, Serial No. 136,180
10 Claims. (Cl. 196—18)

3. A process for separating wax from wax-oil mixtures which comprises mixing the wax-oil mixture with a wax separation aid selected from the class consisting of oxidized wool grease and oxidized lanolin and a diluent, chilling the mixture to solidify the wax content and separating the solidified wax from the oil.

2,119,939
**COMB**
Shelley Braverman, Flushing, N. Y., assignor to Continental Research Corporation, Flushing, N. Y., a corporation of New York
Application June 24, 1936, Serial No. 86,940
2 Claims. (Cl. 132—11)

1. A comb having a longitudinal body portion and substantially evenly spaced apart teeth extending transversely therefrom, and having leading and trailing edge portions with respect to hair passing therethrough, characterized by the fact that the body portion in cross-section is acutely

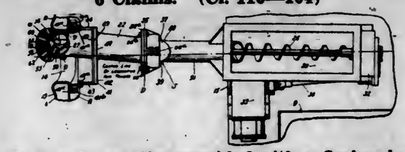


shaped substantially in the direction of the free ends of the teeth, the acuteness being defined by an angle not over 45°, said body portion forming a hair stripping edge directly traversing said leading edge portion of the teeth.

2,119,940
**OXIDIZED WAX AND PROCESS FOR PRODUCING SAME**
Donald E. Carr, Long Beach, and Maner L. Wade, Naples, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application July 6, 1936, Serial No. 89,132
10 Claims. (Cl. 196—21)

4. An oxidized wax produced from a wax which has been separated from an S. A. E. 50 waxy lubricating oil distillate, said wax having a melting point of approximately 150° F. and said oxidized wax having an acid number of approximately 16 and a saponification number of approximately 82.

2,119,941
**STOKER**
Albert R. Chalker, New York, N. Y., assignor, by mesne assignments, to The Standard Stoker Company, Inc., (1922), New York, N. Y., a corporation of Delaware
Application May 16, 1935, Serial No. 21,721
6 Claims. (Cl. 110—104)

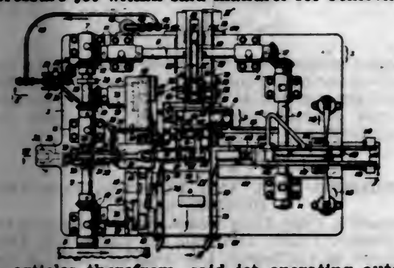


6. In a locomotive provided with a firebox having a backwall with a firing opening therein and a grate for supporting a firebed, a stoker including a delivery conduit and a fuel projecting distributor arranged to supply fuel to said firebox through the firing opening, said fuel projecting distributor being disposed adjacent the discharge end of said conduit and arranged to project over the firebed of the firebox fuel which is conveyed through said conduit, said conduit and said fuel projecting distributor occupying space in said firing opening at one vertical side thereof only, leaving an unobstructed aperture extending above and below the plane of said fuel projecting distributor at the opposite vertical side of such opening for access into said firebox, and mechanical means for urging fuel through said conduit to said fuel projecting distributor.

2,119,942
**TRIMMING MACHINE**
Hermann M. Hessenbruch, Wynnewood, Pa., assignor to Philadelphia Lawn Mower and Mfg. Co., Philadelphia, Pa., a corporation of Pennsylvania
Application February 10, 1937, Serial No. 124,966
9 Claims. (Cl. 164—69)

1. In a trimming machine of the character described, a mandrel for receiving a cup-shaped

article, cutting means for trimming the edges of the article while on said mandrel, means for guidedly conveying the articles towards said mandrel and feeding them singly thereto in timed relation to the operation of said cutting means, a pressure jet within said mandrel for removing



the articles therefrom, said jet operating automatically at the completion of the trimming operation, and means whereby the articles approaching said mandrel are guided to strike the article which has been trimmed and withdrawn from the mandrel and to cast it clear of said approaching articles.

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2,119,943

**FILM REEL**

Isidore Marks, Boston, Mass., assignor to Keystone Mfg. Co., Boston, Mass., a corporation of Massachusetts

Application January 8, 1937, Serial No. 119,614

5 Claims. (Cl. 242—74)



1. A film reel comprising a pair of side flanges a hollow circular hub, said hub being formed of a piece of strip material having a length less than the circumferential dimension of the hub to be formed therefrom, the spaced end edges thereof presenting a gap of substantial width in the wall of the hub communicating with its hollow interior, and a flexible extension strip leading outward through said gap for starting the reeling of a film, said strip having its inner end pivotally mounted between said flanges, the axis of the pivot lying within the circumference of the circle defined by said hub.

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2,119,944

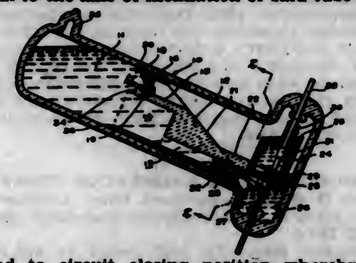
**MERCURY SWITCH**

Raymond P. Mattern, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application February 21, 1936, Serial No. 65,695

13 Claims. (Cl. 200—33)

2. A switching mechanism, comprising, in combination, a tube, electrodes sealed in said tube, mercury in said tube adapted to bridge said electrodes, a septum in said tube in the path of flow of said mercury, a cup carried by said septum, said cup having an inclined peripheral edge, the axis of inclination thereof being substantially equal to the axis of inclination of said tube when



tilted to circuit closing position whereby said edge assumes a substantially horizontal plane when said switch is in said circuit closing position.

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2,119,945

**GREEN CORN CUTTER**

Frederick W. Selecke, Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application September 22, 1934, Serial No. 745,145

1 Claim. (Cl. 130—9)



In a green corn cutter, a rotary head assembly including cutter blades for removing the kernels from the cob, a ring member to which the cutter blades are pivoted, depth of cut gauges mounted directly on the shanks of said cutter blades and adapted to move in unison therewith, guide means fixedly secured to the cutter blade shanks and having interlocking engagement with the depth of cut gauges to hold them in a definite relation to the cutter blades, said guide means being offset from a radial line through the cutter blades so as to give free and unobstructed movement of the cut kernels as they are thrown away from the cutters, and means providing relative adjustable movement between the cutter blades and the depth of cut gauges to thereby vary the depth of cut at will.

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2,119,946

**CHAIR BASE AND METHOD OF MAKING THE SAME**

Raymond W. Bancroft, Gardner, Mass., assignor to Collier-Keyworth Company, Gardner, Mass., a corporation of Massachusetts

Application February 28, 1936, Serial No. 66,146

5 Claims. (Cl. 155—138)

1. A chair base comprising a plurality of leg members radiating from a common center, filler



blocks each having inner angularly related faces positioned between the inner ends of the adjacent leg members and holding said members in angular relation and together therewith forming a hub portion, said blocks each being of a length substantially the depth of said members, said



base having a continuous annular channel in one end of each of said blocks and across said members and substantially concentric with said center, a metal ring seated in said channel and holding said members and blocks in assembled relation, and plate elements secured to the faces of said hub portion.

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2,119,947

**METHOD AND APPARATUS FOR TREATING GLASS**

Henry H. Blau and Kenneth K. Knaell, Charlerol, Pa., assignors, by mesne assignments, to Corning Glass Works, Corning, N. Y., a corporation of New York

Application June 8, 1936, Serial No. 84,026

19 Claims. (Cl. 49—54)



1. A glass-melting tank having a wall provided with a passageway for a temperature-controlling fluid, that portion of the wall positioned between the passageway and the tank being formed of a relatively thin cast refractory of high thermal conductivity to facilitate exchange of heat between molten glass in the tank and temperature-controlling fluid in the passageway.

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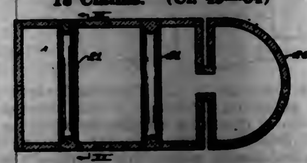
2,119,948

**TANK STRUCTURE AND METHOD FOR MAKING GLASS OR THE LIKE**

Henry H. Blau and Kenneth K. Knaell, Charlerol, Pa., assignors, by mesne assignments, to Corning Glass Works, Corning, N. Y., a corporation of New York

Application June 8, 1936, Serial No. 84,027

18 Claims. (Cl. 49—54)



1. In a glass-melting tank, spaced transversely extending baffles of refractory material only partially spanning the tank bottom, and spaced vertically extending baffles of refractory material on the side walls of the tank positioned between the transverse baffles and projecting outwardly to points between the transverse baffles.

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2,119,949

**MEANS AND METHOD FOR TREATING GLASS**

Henry H. Blau, Corning, N. Y., and Kenneth K. Knaell, Charlerol, Pa., assignors, by mesne assignments, to Corning Glass Works, Corning, N. Y., a corporation of New York

Application June 8, 1936, Serial No. 84,028

Renewed May 5, 1938

19 Claims. (Cl. 49—54)



1. A glass-melting tank comprising bottom and side walls built up at least in part of relatively thin cast refractory blocks having high thermal conductivity, means associated with the blocks for controlling heat flow through them, baffles in the tank mechanically controlling and directing flow of the glass in the tank, said baffles being formed of relatively thin cast refractory blocks having high thermal conductivity, and means associated with the baffles for convectionally effecting and controlling the flow of glass about the baffles.

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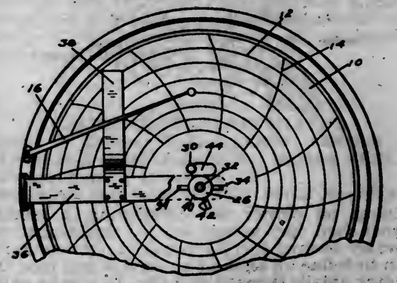
2,119,950

**RECORDING INSTRUMENT**

James D. Cunningham, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois

Original application January 6, 1936, Serial No. 57,657. Divided and this application May 4, 1936, Serial No. 77,683

3 Claims. (Cl. 234—72)



1. An instrument having a chart-driving central post provided with chart-holding means, a pen for making a record on said chart, and a lifter for said pen constructed and arranged to move said chart holding means into clamping engagement with a chart.

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2,119,951

**PROCESS AND APPARATUS FOR THE MANUFACTURE OF ENVELOPES, BAGS, AND SIMILAR ARTICLES**

Max Dünnebier, Neuwied, Germany

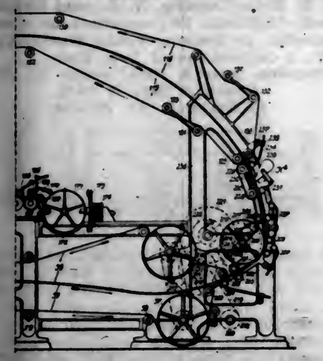
Application February 19, 1937, Serial No. 126,689

In Germany February 20, 1936

10 Claims. (Cl. 93—62)

2. In a machine for making envelopes, flat bags and the like from shaped blanks, the combination comprising means for conveying the blanks in stepped formation, means for applying adhesive to exposed edges on one side of the blanks

while being so conveyed, means for further conveying the blanks after the application of adhesive, means for applying adhesive to exposed



edges on the other side of the blanks during said further conveyance, and variable speed transfer means for transferring the blanks from the first to the second conveying means.

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2,119,952
**OIL BURNER**
Eugene Oscar Engels, Saginaw, Mich., assignor to Baker Perkins Company, Inc., Saginaw, Mich., a corporation of New York
Application July 16, 1935, Serial No. 31,967
1 Claim. (Cl. 158—76)

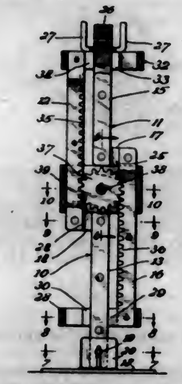


In an oil burner, in combination, a tubular burner shell open at both ends, a shield plate removably secured thereto in spaced relation therewith to define an annular air inlet, a fuel pipe extending axially through said shell to a point adjacent its outlet end and secured to the center of said shield plate, a nozzle at the outlet end of said fuel pipe, a pair of ignition electrodes, and an air deflector secured to said fuel pipe intermediate its ends, said deflector comprising a plurality of helically-directed radial vanes and means for holding said electrodes, whereby said deflector maintains the electrodes and nozzle in operative relation to each other and supports the fuel pipe and nozzle centrally in the tubular shell.

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2,119,953
**AUTOMOBILE JACK**
Carl W. Johnson, Glencoe, and Gilbert M. Smith, Congress Park, Ill.; said Smith assignor to said Johnson
Application April 22, 1935, Serial No. 17,644
4 Claims. (Cl. 254—97)

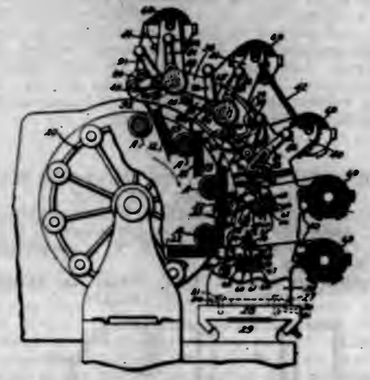
1. In a jack, in combination, a pair of relatively movable supporting elements, each comprising an upper and lower longitudinal portion in parallel and offset relation, the upper portion of one element being in alignment with the lower portion of the other element, rack teeth on the upper portion of one element, rack teeth on the lower portion of the other element, guide means



mounted on each element adapted to engage the aligned and non-aligned portions of the other element successively as the jack is operated, a carriage mounted on both elements, and actuating mechanism on said carriage in operative engagement with said racks.

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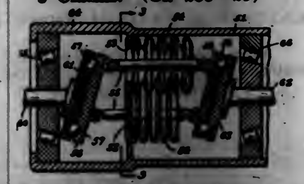
2,119,954
**FINISHING AND POLISHING MACHINE**
Carl J. Lippold, Wauwatosa, Wis., assignor to J. M. Nash Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 29, 1935, Serial No. 33,647
45 Claims. (Cl. 51—154)



2. In a machine of the described class, plural series of polishing members in combination with independently operable resiliently yielding pressure applying means for different portions of said polishing members, means for utilizing the work to effect setting up adjustments of the various pressure applying means in accordance with the contour of the work, and locking devices operable in common from one end of the machine for fixing the adjustments of the pressure applying means after predetermination of such adjustments by the work.



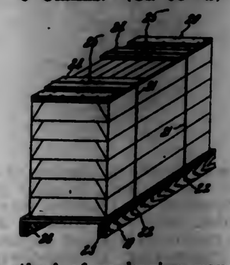
2,119,955
**VACUUM-TIGHT POWER TRANSMISSION DEVICE**
Charles V. Litten, Redwood City, Calif.
Application June 4, 1936, Serial No. 83,467
3 Claims. (Cl. 286—29)



1. A power transmission device comprising a hermetically-sealed chamber, an opening in a wall of said chamber, a flexible imperforate diaphragm sealing said opening, a rotatable driving member external to said chamber, a driven member within said chamber, tiltable rigid transmission means nonrotatably engaging said diaphragm over a substantial wall portion thereof and extending beyond the point of engagement with said diaphragm both within and without said chamber, said transmission means being arranged to tilt about a substantially fixed point lying substantially along the axis of said driving member, means coupling said driving member to said transmission means for converting the rotary motion of said driving member into a tilting motion of said transmission means, thus subjecting said diaphragm to a tilting flexing motion, and means coupling said transmission means to said driven means for converting the motion of said transmission means into a rotating motion of said driven means.

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2,119,956
**METHOD OF PACKAGING PAPER**
Francis S. McDonnell, Milton, Mass.
Application February 3, 1937, Serial No. 123,809
6 Claims. (Cl. 93—2)



1. The method of packaging paper on a skid which comprises successively placing and wrapping in situ fractional portions of the complete stack of paper one above another until the stack is completed, and then binding said wrapped portions together and to said skid.

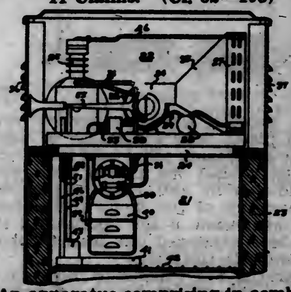
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2,119,957
**PRODUCTION OF HYDROCARBON RESINS**
Thomas F. Nealon, Boston, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 18, 1936, Serial No. 111,329
6 Claims. (Cl. 260—2)

1. In the manufacture of hydrocarbon resins by polymerization of a cracked hydrocarbon distillate rich in unsaturated hydrocarbons including diolefins, by means of a Friedel-Crafts polymerizing agent, the steps in the recovery of the resin characterized in that the catalyst is completely neutralized and converted into inert products of reaction by means of a suspension of an alkaline-earth hydroxide in a solvent consisting of water and a substance miscible therewith selected from the group consisting of water-soluble alcohols and ketones.

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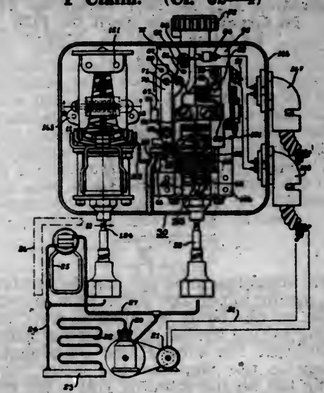
2,119,958
**REFRIGERATING APPARATUS**
Edward B. Newill, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application October 29, 1932, Serial No. 640,288
11 Claims. (Cl. 62—103)



11. An apparatus comprising in combination, a unit which dehumidifies air, means for circulating a medium through said unit to cause said dehumidification of the air, means for collecting moisture dripping from said unit, and means rendered effective by operation of said medium circulating means for raising the drip water upwardly of said collecting means and for causing evaporation of the elevated water.

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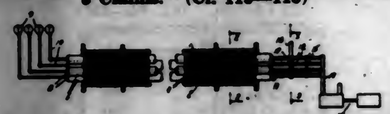
2,119,959
**REFRIGERATING APPARATUS**
George C. Pearce, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application December 30, 1933, Serial No. 704,685
1 Claim. (Cl. 62—4)



Refrigerating apparatus including a refrigerant evaporating means, and a refrigerant liquefying means operated by electric energy, means

for controlling the supply of electric energy to the liquefying means including means responsive to the temperature of the evaporating means, means responsive to excessive flow of electric energy for stopping the supply of electric energy, and means responsive to conditions of the liquefying means for modifying the operation of the temperature responsive means.

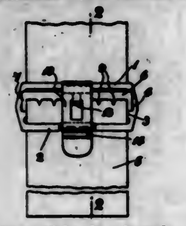
2,119,960
METHOD AND APPARATUS FOR MAKING HEAT EXCHANGERS
Joseph Price, West New Brighton, N. Y., assignor to The Griscom-Russell Company, New York, N. Y., a corporation of Delaware
Application August 8, 1935, Serial No. 35,244
8 Claims. (Cl. 113—118)



1. The process which comprises threading apertured plates onto a plurality of tubes with each plate embracing all of said tubes supplying a liquid to at least one of said tubes, confining said liquid therein, and applying heat to cause the temperature of the liquid to increase with resultant expansion of the liquid until the said tube has been expanded into permanent binding engagement with the plates.

7. Apparatus for expanding heat exchanger tubes into a plurality of plates each embracing a plurality of said tubes, comprising means for supplying liquid to a plurality of said tubes, means for confining the liquid in the tubes and means for supplying heat to the liquid confined in a plurality of said tubes to increase the volume of said liquid until the tubes have been expanded into permanent binding engagement with the plates.

2,119,961
ADJUSTING SLIDE OR BUCKLE FOR BANDS, WEBBING, OR THE LIKE
Gilbert Thomas Walker and Herbert Howard Wood, Birmingham, England, assignors to Thomas Walker Limited, Birmingham, England, a British company
Application May 14, 1937, Serial No. 142,536
In Great Britain April 30, 1936
4 Claims. (Cl. 24—170)



3. An adjusting slide for bands comprising a frame having upper and lower bars for engaging in front of the band, an intermediate part for engaging behind the band, a gripping frame movable through the slide frame transversely and obliquely to the plane of the latter, an upper gripping bar on the gripping frame for engaging the front of the frame, a lower bar on the gripping frame for attachment to a return-end of the band, or to a button-engaging part or tabs, a lever hinged to a top bar of the slide frame and jointed to the upper bar of the gripping frame, and a catch on the lever adapted to engage over the bottom bar of the slide frame.

2,119,962
APPARATUS FOR EXTINGUISHING FOREST FIRES
John Raleigh, Peshtigo, Wis.
Application March 2, 1936, Serial No. 66,682
2 Claims. (Cl. 37—189)



2. A portable hand tool for fighting forest fires comprising, a sleeve, a longitudinally extending drive shaft rotatably carried by the sleeve and extending through the lower end thereof, a hood non-rotatably connected to the sleeve, a rotary earth-digging member connected to the shaft below the hood, a fan connected to the shaft and disposed in the hood above the digger, said hood having an outlet, means for driving the shaft, and a manipulating and carrying handle secured to the sleeve and extending at an angle thereto.

2,119,963
PACKAGE AND METHOD OF PRODUCING SAME
Robert A. Ramsdell, Syosset, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 21, 1935, Serial No. 27,825
4 Claims. (Cl. 117—1)



1. In a process for the production of crepe twisted artificial thread from original packages of thread produced in the filament forming operation and which have been purified, dried, doped and have a preliminary twist imparted thereto, the steps comprising precision-winding said thread from the original package onto a lightweight, headless core, to form a package which may be mounted on and from which the thread may be directly twisted by means of an uptwister, said package being economically transportable for long distances, and crepe twisting said thread directly therefrom.

2,119,964
ELECTRIC SADIRON
Ludwig Reichold, Winsted, Conn., assignor to The Winsted Hardware Manufacturing Company, Winsted, Conn., a corporation of Connecticut
Application April 13, 1937, Serial No. 136,615
16 Claims. (Cl. 219—25)

16. In a folding electric sadiron, a sole plate having a pair of upstanding posts, and a loop-shaped handle having a pair of inturned alined bails hinged to said posts, said handle being adapted to be swung down about a longitudinal



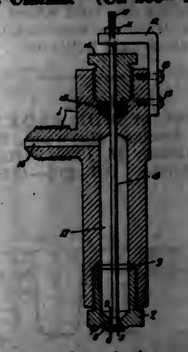


axis into parallelism and into close proximity with said sole plate, and means to releasably hold said handle in vertical ironing position.

2,119,965
ALLOY
Hans Heinrich Schwarzkopf, Reutte/Tirol, Austria, assignor to N. V. Molybdenum Comp., Amsterdam, Netherlands
No Drawing. Application July 6, 1935, Serial No. 30,151. In Germany July 9, 1934
2 Claims. (Cl. 75—153)

1. An alloy resistive to mechanical wear and oxidation, particularly adapted for electrical purposes including contacts and welding electrodes and as pre-alloy for electrical material, consisting of 0.1% to 10% cadmium, 0.1% to 14% of metal selected from the group consisting of silver and gold, balance copper.

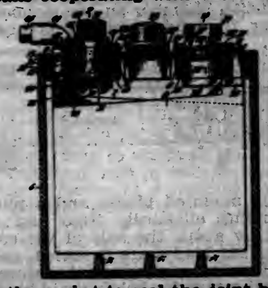
2,119,966
ATOMIZING VALVE
Philip Lane Scott, Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind., a corporation of New York
Application August 7, 1935, Serial No. 35,109
12 Claims. (Cl. 299—107.3)



3. The method of centering a valve head and attached stem with respect to a valve seat when the head is lifted from the seat, which comprises passing fluid through the valve body, up to and through a greatly restricted channel about said stem, and lastly between the valve head and the seat.

2,119,967
ELECTRIC STORAGE BATTERY
Albert Seiger, North Scituate, R. I.
Application July 31, 1935, Serial No. 34,043
7 Claims. (Cl. 136—162)

1. In a storage battery cell, the combination of a casing, electrode-plates in the casing, a cover for the casing provided with a recess having a centrally-positioned opening therein, a pillar-strap for connecting a series of the electrode-plates and having a boss projecting upwardly through the opening and into the recess in the cover, a compressible gasket surrounding the boss, means cooperating with the boss for com-



pressing the gasket to seal the joint between the boss and the cover, a washer swetted to the boss as an integral part thereof and forming a flat seat above the gasket, a screw-threaded stud extending upwardly from the boss and washer, and a nut on the screw-threaded stud for clamping a detachable connector against the flat seat formed by the washer.

2,119,968
POWER WRENCH
Ernest H. Shaff, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a corporation of Michigan
Application March 15, 1935, Serial No. 11,291
3 Claims. (Cl. 81—54)

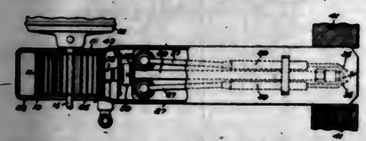


1. In combination in a power driven tool of the character described, a body housing rotary parts including a spindle, a narrow-wall barrel cam on the end of said spindle, means including an elongated flat tool portion providing an extension of said body and carrying a toothed rotary ratchet socket for engaging a threaded element to be tightened and mounted substantially beyond the end of said spindle for movement on a transverse axis relative to said spindle, means forming a driving connection between said spindle and socket and including a pawl arm slidably guided for rectilinear and rocking movement, one end of said arm being adapted for engaging the teeth of said ratchet socket and the other end having a rotary follower adapted for engaging said cam and including an offset part adjacent and to one side of the follower, and resilient means bearing against said offset part for causing said follower to fulcrum on said cam and rock said arm incident to rectilinear movement thereof.

2,119,969
LIQUID FUEL BURNER
Ralston M. Sherman, Glastonbury, Conn., assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn., a corporation of Connecticut
Application January 25, 1936, Serial No. 60,832
3 Claims. (Cl. 158—76)

1. A liquid fuel burning apparatus having a nozzle for the delivery of liquid fuel to a com-

bustion chamber, an air delivery conduit surrounding said nozzle for delivering air to said combustion chamber to be commingled with said fuel, an air impeller for forcing air through said conduit, means between said impeller and the mouth of said conduit for automatically shutting off further substantial passage of air to the combustion chamber on the stoppage of the air impeller, the said means comprising a series



of pivotally mounted blades and a plurality of axes extending outwardly from and arranged symmetrically about the axis of the conduit on which axes the blades are mounted, said blades normally forming a substantial closure for the conduit, and means for holding said blades closed but yieldable under the pressure of the air discharged by the impeller to permit them to swing to an open position to permit the passage of air through the conduit.

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2,119,970

**NONCAKING SODIUM ACID SULPHATE**

Franklin D. Smith, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 4, 1936, Serial No. 77,789

4 Claims. (Cl. 23—243)

1. The method of preventing the agglomeration of globular nitre cake comprising the admixture therewith of a borate in an amount sufficient substantially to inhibit coalescence of the individual particles.
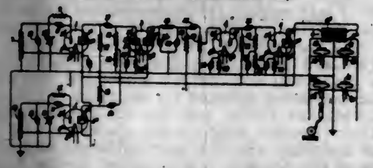
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2,119,971

**AUDIO OSCILLATOR**

Sam Snead, Milwaukee, Wis., assignor to The Oteflex Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application October 5, 1934, Serial No. 746,988 Renewed November 4, 1937

14 Claims. (Cl. 179—1)



1. An electronic generator of sound waves comprising means for producing continuous trains of waves having a wave shape which is substantially rectangular during half cycles of one polarity and substantially triangular during the alternate half cycles, said means including two adjustable radio frequency oscillating circuits, each including an electronic tube having a control grid and an anode, means to bias said grid so as to reduce discharge through said tube to substantially zero value during a substantial portion of a cycle and a relatively low impedance in series with said anode, and further means to superimpose the output of one circuit upon the output of the other circuit.

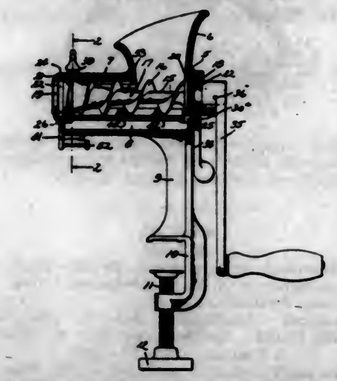
2,119,972

**JUICE EXTRACTOR**

Carl H. Steinbiss, Milwaukee, Wis., assignor to Max Hauser, Milwaukee, Wis.

Application May 7, 1934, Serial No. 724,417

5 Claims. (Cl. 100—48)



4. In a juice extractor, the combination with a rotatable screw, of a chamber having inlet and outlet ends, the inlet end being provided with a feed hopper, and provided adjacent said ends with bearings for said screw, said chamber having a restricted discharge opening comprising a substantially vertical slot in its side wall adjacent the bearing of the discharge end thereof and also having a foraminous bottom wall extending beneath said screw past said slot substantially to said last mentioned bearing, a juice collector beneath said foraminous wall, and a control screw adjustable lengthwise of said slot and substantially tangential with respect to said screw to regulate the resistance to discharge of solids through said slot, said slot being elevated above said foraminous wall to facilitate the expression of all juices through said wall to said collector.

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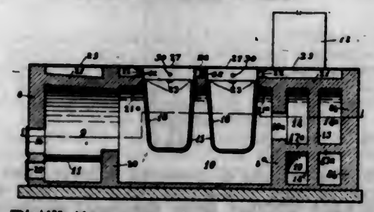
2,119,973

**COMBINED DISTILLATOR AND CARBONIZER**

Leo Strelka, Maywood, Ill.

Application January 16, 1936, Serial No. 59,345

4 Claims. (Cl. 202—114)



4. Distillation apparatus, comprising in combination a furnace having an opening in its roof, supporting beams supported by the furnace adjacent said opening, an outer retort having a flange at its upper end resting upon and secured to said beams, said retort extending through said opening in the roof and being suspended in the furnace, a cover for said retort, an inner retort removably contained in said outer retort and having means whereby it may be lifted out of said outer retort, and a distillate pipe disposed above the furnace roof and leading from said outer retort.



2,119,974

**PERCOLATOR COVER**

Joseph T. Weinstein, New Kensington, Pa., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania

Application May 29, 1931, Serial No. 540,296

3 Claims. (Cl. 53—3)



1. A percolator cover provided in its central portion with an opening, an integral transparent top extending through said opening and having a dome above and a splash-deflecting skirt below and projecting outwardly beyond the wall of said opening, the diameter of said top above said skirt being less than the diameter of said skirt to permit said top to be inserted in said opening from the under side thereof, and a split ring engaging the side of the top and overlying the margin of said opening for locking the top to the cover.

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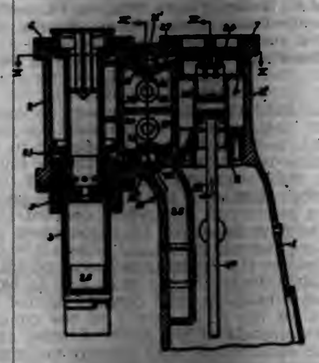
2,119,975

**FLUID PRESSURE HAMMER**

Henry A. Weyer, Philadelphia, Pa., assignor to Beatrice S. Nassl, Philadelphia, Pa.

Application August 26, 1936, Serial No. 98,105

12 Claims. (Cl. 60—52)



1. A power hammer comprising a power cylinder, a power piston therein, a ram cylinder, a ram having a head therein, an air reservoir, and means comprising valve mechanism for discharging compressed air from the power cylinder above the piston into the reservoir on the up-stroke of the power piston without reentry of such compressed air into the power cylinder and for discharging compressed air from the power cylinder below the piston into the reservoir on the down-stroke of the power piston without reentry of such compressed air into the power cylinder and for discharging compressed air from the reservoir to the ram cylinder either above or below the ram head.

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2,119,976

**METHOD OF FORMING RESINOUS HYDROCARBON POLYMERS**

Ivan V. Wilson, Dayton, Ohio, assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application April 12, 1935, Serial No. 16,035

13 Claims. (Cl. 260—2)

1. In the manufacture of hydrocarbon resinous polymers according to which an unsaturated hydrocarbon mixture rich in diolefines is polymerized in the presence of a metallic halide polymerising catalyst, after which the catalyst is decomposed and removed as inert products and the resin is recovered by evaporation, the improvement whereby a resinous polymer of improved color and other varnish forming characteristics is obtained, characterized in that the polymerization is effected in the presence of a material inert with respect to the reactants and capable of removing HCl from the zone of reaction during the polymerization.

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2,119,977

**HYGROMETER**

Robert A. Wittmann, Chicago, Ill., assignor of one-half to Robert G. Guthrie, Chicago, Ill.

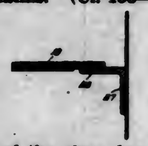
Application July 1, 1936, Serial No. 88,315

7 Claims. (Cl. 73—338)



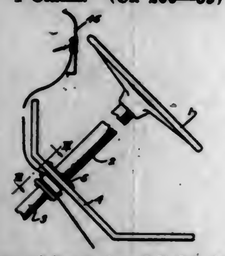
2. In a hygrometer of the dry and wet bulb thermometer class, the combination of a first thermometer of the dry or wet bulb type, a member displaying a temperature-graduated chart of the other bulb type thermometer and based on a rectilinear system of coordinates with the abscissas representing relative-humidities and with the ordinates representing the temperatures of said first thermometer, said temperature-ordinates being in alignment with the positions of the end of the liquid column of said first thermometer corresponding to said temperatures, a scale of relative-humidities, an index cooperating with said relative-humidities' scale, said thermometer and said temperature-chart being relatively-movable to register the graduations of the chart with the end of the liquid-column of said thermometer, means to move said scale and its index relatively to one another coincidentally with and proportionally to the relative movement of said thermometer and chart to give a reading of relative-humidity by said index on said scale corresponding to the temperature reading on said chart by the end of the thermometer liquid.

**2,119,978**
**AIR FILTER**
**Herman Wolthuis, Neenah, and Charles A. Fourness, Appleton, Wis., assignors to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin**
**Application July 10, 1933, Serial No. 679,650**
**10 Claims. (Cl. 183—82)**



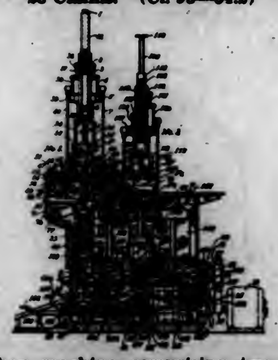
10. In a filter of the class described, the combination of a casing having inlet and outlet openings, a plurality of relatively independent, spaced and foraminous belts mounted in said casing in such relation that when the belts are simultaneously propelled in the same direction, contiguous reaches of the belts are adapted to cooperate to receive and carry a web of filtering material through a predetermined path of travel through said casing, means between the respective belts for transmitting the filtering material web from one belt to the other, and means for propelling said belts in unison.

**2,119,979**
**DIRECTION SIGNAL SWITCH**
**Christ K. Antemopulos, Chicago, Ill.**
**Application September 7, 1937, Serial No. 162,602**
**1 Claim. (Cl. 200—59)**



A direction of turn signal light device for vehicles comprising in combination with the steering post of the vehicle, two cams secured to said post in closely adjacent and axially spaced relation, casings supported adjacent said cams, each casing having a recess with an end opening adjacent its cam, terminal posts in the sides of each recess with the posts in a recess misaligned, a floating block in each recess carrying a conductor pin positioned to make electrical contact with one of the terminal posts of a recess, a resilient conductor from the other terminal post of said recess to said conductor pin to maintain said pin in electrical connection with said other post regardless of the movement of said block, a spring mounting for said block effective to normally hold it and its pin away from said one terminal post, a cam having a face portion which on initiation of rotative movement in one direction will engage the block in its recess and rock it in a manner to move said pin into electrical contact with the said one terminal post of said recess and having another face which engages the end of the block while in rocked position to move the block endwise and by frictional engagement therewith due to continued rotation of the cam maintain said block in rocked circuit closing position with respect to said one terminal post.

**2,119,980**
**BOX MACHINE**
**Walter T. Bailey, Philadelphia, Pa., assignor to Stokes and Smith Company, Summerdale, Philadelphia, Pa., a corporation of Pennsylvania**
**Application May 17, 1937, Serial No. 143,012**
**28 Claims. (Cl. 93—54.2)**



1. A box machine comprising two movable form-block structures, sheet-operating mechanisms associated with said form-block structures respectively to perform supplemental sheet-applying operations, means operating one of said form-block structures and its associated sheet-operating mechanism and providing a prolonged period of accessibility of said form-block structure to receive an assembly comprising box structure and partially applied sheet material, and means operating in each cycle of the machine to transfer an assembly from said one of said form-block structures to the other of said form-block structures.

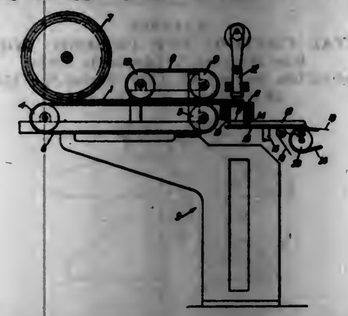
**2,119,981**
**PROCESS FOR CONVERTING STARCHY RAW MATERIALS USED IN DISTILLING, ETC.**
**Gerald C. Baker, Peoria Heights, Ill., assignor to Premier-Pabst Corporation, Peoria Heights, Ill., a corporation of New Jersey**
**No Drawing. Application December 28, 1935, Serial No. 56,531**
**1 Claim. (Cl. 195—23)**

That improvement in the art of converting starchy materials to sugars used in distilling, brewing, and the like which consists in making a diastase-bearing mash below 130° to 140° Fahrenheit, separating the liquid portion of the mash from the solids in as quick a time as possible to prevent concurrent conversion, concentrating the infusion thus produced by evaporation under a vacuum of twenty-seven and one-half to twenty-eight inches at a temperature not exceeding 110° Fahrenheit to purify the same and to bring the diastase containing solid content thereof to 70% to 80% of the total weight of the concentrate and to a strength of 350° to 480° Lintner and mixing this concentrate with starchy materials in a gelatinized pasteurized condition to saccharify the resulting mixture.

**2,119,982**
**SANITARY NAPKIN MACHINE**
**John E. Blosser, Glens Falls, and Paul Burke, South Glens Falls, N. Y., assignors to Veldown Company, Inc., New York, N. Y., a corporation of New York**
**Application May 24, 1933, Serial No. 672,950**
**Renewed March 2, 1935**
**9 Claims. (Cl. 154—29)**

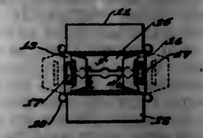
1. In a sanitary napkin machine, in combination, means for propelling a web of absorbent material, means for punching a pad from the leading end of the web at a single operation comprising an upper plunger member and a lower





hollow die member through which the severed pad passes, and a turntable beneath the hollow die member for catching each pad as it is severed and turning it through substantially a right angle.

**2,119,983**
**PROTECTED BLADE**
**Joseph M. Bowen, West Quincy, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware**
**Application September 17, 1936, Serial No. 101,231**
**6 Claims. (Cl. 206—46)**



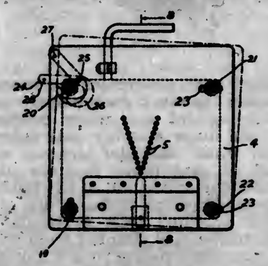
1. A safety razor blade having shoulders and unsharpened end portions projecting beyond the shoulders, in combination with a protecting cover having a body portion longer than the blade and end tabs folded on a line parallel to and substantially beneath the ends of the blade, the tabs being slotted whereby the unsharpend ends of the blade may project through the tabs up to the line of its shoulders.

**2,119,984**
**CHASER-HOLDER FOR THREAD-CUTTING TOOLS**
**Albert F. Breitenstein, New Haven, Conn., assignor to The Geometric Tool Company, New Haven, Conn., a corporation of Connecticut**
**Application June 7, 1937, Serial No. 146,765**
**14 Claims. (Cl. 10—104)**



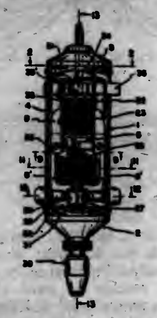
1. A composite chaser-holder for thread-cutting tools, comprising: a base-member having means thereon for interfitting with a die-head; a complemental chaser-carrying member carried by the said base-member with capacity for bodily rectilinear adjustment with respect thereto, the division between the two said members being in a plane substantially parallel with the front face of the die-head structure; and locking-means extending between the two said members and binding the same into a unitary structure.

**2,119,985**
**DIE**
**Christian A. Cadenbach, St. Louis, Mo., assignor to Independent Die & Supply Company, St. Louis, Mo., a corporation of Missouri**
**Application November 16, 1935, Serial No. 50,245**
**13 Claims. (Cl. 164—93)**



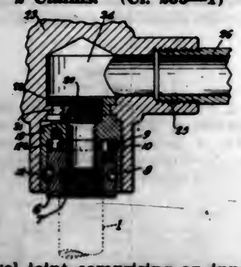
13. A device of the kind described, comprising, a base, a die element fitting on said base, said base and die element having cooperating apertures, plugs fitting in said apertures, a shield extending over said plugs in spaced relation to the die element, each of said plugs having a part engaging the die element and a part engaging the shield, said parts being yieldable relative to each other.

**2,119,986**
**ELECTRIC MOTOR**
**Albert J. Dremel, Racine, Wis.**
**Application August 6, 1936, Serial No. 94,596**
**7 Claims. (Cl. 172—36)**



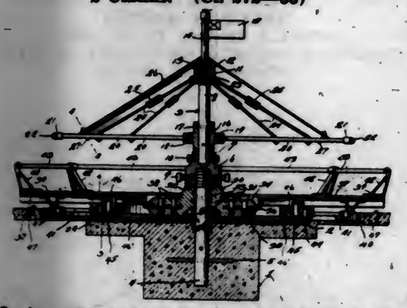
1. A device of the character described comprising, a closed casing provided with spaced front and rear openings, a bracket secured within said casing intermediate said openings, a universal type electric motor positioned within the casing, the motor armature shaft being journaled in said bracket at one end and projecting forwardly from the motor for connection with a working implement, the motor field coil being mounted upon said bracket, and means for drawing air into the casing through its rear openings and expelling the same through the forward openings.

2,119,987
**LAMP JOINT AND ADAPTER**
Vermont Fellet, Elmhurst, Ill., assignor to Standard Screw Company, Hartford, Conn., a corporation of New Jersey
Application March 10, 1937, Serial No. 129,979
2 Claims. (Cl. 285—1)



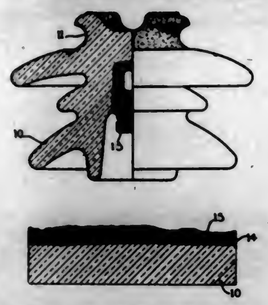
2. A swivel joint comprising an inner member and an outer member surrounding said inner member throughout the major portion of the length of said inner member, said outer member having an inner shoulder against which the upper end of said inner member abuts, said shoulder and the upper end of the inner member having opposed bearing surfaces, one of said surfaces being provided with a circular channel, stops penetrating said channel from each of said members, whereby relative rotation of said members is limited to a predetermined arc, a channel in the outer face of said inner member, a stop in said outer member, penetrating said channel, and means for preventing exterior access to said stop.

2,119,988
**ROTARY SWING OR ROUNDABOUT**
Harley J. Gundrey, Warren, Ill.
Application July 15, 1937, Serial No. 153,859
2 Claims. (Cl. 272—33)



2. An amusement device, comprising a base formed to provide an annular walk-way enclosing a sunken central floor area, a standard fixed vertically in the center of said area, a bearing encircling the standard and resting on said floor area, a casting encircling the standard and resting on said bearing to rotate about the standard, said casting having a peripheral recess, a plurality of arms each having an end secured in said recess and extending radially from the casing, a continuous seat supported on the arms and encircling the standard, a series of brackets suspended from said seat adjacent the inner edge thereof, a foot rail supported by said brackets within the area defined by the walk-way and just above said floor area, a continuous back for said seat adjacent the outer edge thereof, and means facilitating the rotation of the seat and other parts supported by said bearing, by persons sitting on the seat.

2,119,989
**METAL COATING FOR CERAMIC BODIES**
Ray Higgins, Wadsworth, Ohio
Application August 13, 1937, Serial No. 159,001
18 Claims. (Cl. 91—70.2)



1. The method of metallizing the surface of a ceramic body comprising the steps of applying to said surface, a base coating comprising a suitable bonding material and a fine aggregate of highly refractory material of greater strength than the material of said body, firing the body and coating and thereafter applying a coating of metal over the surface of said base coating, the particles of said aggregate being sufficiently refractory to retain their separate identities at the firing temperature for said ceramic body so as to produce a rough surface to receive said metal coating.

13. The combination with a ceramic body, of a surface coating therefor comprising a base layer of a different inorganic refractory material from that of said ceramic body, said base layer being bonded to the surface of said ceramic body and having depressions and projections on the surface thereof of suitable size and spacing to provide firm anchorage for a coating of metal, and a metal coating on the surface of said base layer and anchored thereto by said projections and depressions, said metal coating being of sufficient thickness to fill all of the depressions and overlie the projections of said base layer.

2,119,990
**BALL AND ROLLER BEARING**
John Leslie Hilten, Chelmsford, England, assignor to Nerma-Hoffmann Bearings Corporation, Stamford, Conn., a corporation of New York
Application February 17, 1937, Serial No. 126,295
In Great Britain March 4, 1936
2 Claims. (Cl. 308—184)

1. In a bearing arrangement for relatively rotatable members having a shaft, an inner race ring secured to said shaft, an outer race ring, and antifriction members interposed between said inner and outer race ring, the combination therewith of a support, a cylindrical sleeve secured to said support and extending from said support and over said outer race ring to include the same and the inner race ring and antifriction bearings, and having the portion embracing said outer race ring free of said support, the interior of said sleeve at said portion having an undulating configuration, the hill portions of which contact with the outer race ring, the cylindrical sleeve at its end opposite that end



where it is secured to the support having an open end, whereby the shaft with said inner and outer



races and antifriction members may be removed by sliding disengagement from said sleeve.

2,119,991
**VEHICLE WHEEL**
J Harold Hunt, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application July 5, 1934, Serial No. 733,833
3 Claims. (Cl. 301—64)



1. In a vehicle wheel, a wheel body comprising inner and outer stampings provided with cooperating channeled spokes, the lateral edges of each pair of cooperating spokes being secured to each other and the portions intermediate the edges being held in spaced relation to each other except for a substantially point contact therebetween provided by a projection secured to one and contacting the other of said spokes, said projection being located remote from the ends and lateral edges of the spokes and serving to space the adjacent surfaces thereof from each other.

2,119,992
**REFLECTOR DEVICE**
Roy Walter Johnson, Wyoming, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application April 17, 1935, Serial No. 16,881
6 Claims. (Cl. 88—82)

1. A cover for a motor vehicle tail lamp, comprising, a unitary transparent body having a front face adapted to be presented generally toward a source of light to be reflected and a rear face adapted to be presented generally toward a lamp illuminator, said body transmitting light from said lamp illuminator directly forwardly therethrough, said body having a plurality of groups of internally reflecting units formed integrally with said body and projecting rearwardly to form at least a portion of said rear face for reflecting light back in the approximate direction of said light source, each of said units providing an internally reflecting portion of the rear face of said body, the axes of the units of each of said groups being substantially parallel to each other, the units of each of said groups having their axes lying at acute angles with the axes of the units of the remainder of said groups whereby the reflecting units of each of said groups reflect light generally



toward light sources lying in directions spaced from light sources which cause other of said unit groups to reflect light therefrom, only one of said groups of reflecting units being adapted at any time to reflect light received from a light source with the maximum inherent intensity of light reflection for such unit group, said front face presenting smooth surface portions thereof respectively in front of each of said groups of reflecting units.

2,119,993
**MIXED ALKYL-ALKANONYL ESTERS OF DICARBOXYLIC ACIDS**
Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 12, 1937, Serial No. 130,530
3 Claims. (Cl. 260—103)

1. A neutral ester corresponding to a dicarboxylic acid in which one carboxyl group is esterified with a ketone alcohol and the other carboxyl group is esterified with a hydroxy compound selected from the group consisting of monohydric alcohols and ethers of polyhydric alcohols having one free esterifiable hydroxyl group.

2,119,994
**MERCHANDISE MECHANICAL SEALING AND RECORDING**
Frank E. Love, Oklahoma City, Okla.
Application November 10, 1936, Serial No. 110,132
6 Claims. (Cl. 40—125)

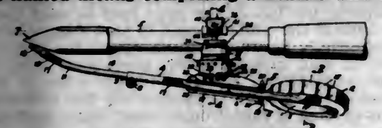


1. A device of the kind set forth, consisting of a housing, a cam wall within the housing terminating in a seat, a resilient keeper having a free end forced along said cam wall for contact with said seat, a bighted head for co-operation frictionally with said keeper, a shank for said bighted head, a ring securing the resilient keeper in said housing, and a seal plate carried by said shank.

2,119,995
**SOLDER WIRE FEEDING MEANS FOR SOLDERING IRONS**
Gino Mancinelli, Wilmington, Del.
Application November 27, 1935, Serial No. 51,743
6 Claims. (Cl. 113—109)

1. Means for feeding solder wire to the tip of a soldering iron comprising a support securable to a soldering iron, a member rotatable on the support for carrying a coil of solder wire, means for guiding the soldering wire to the soldering iron tip, and means rotatable with the member

for pushing the rear end of the solder wire, said last named means comprising a flexible wire ar-



ranged to push the rear end of the solder wire substantially to the soldering iron tip.

2,119,996

**LOCKING DEVICE WITH A PLURALITY OF LATCHES**

Edgar Mannheimer, Heidelberg, Germany
Application August 20, 1937, Serial No. 160,624
In Germany July 3, 1936
3 Claims. (Cl. 292—37)



2. A locking device comprising a housing having a plurality of openings arranged in a series and a longitudinal slot extending in parallel to said series arrangement, a slide movable in said slot, said slide having a handle outside of said housing and a ledge inside of said housing, said ledge being arranged on said slide in a slanted position with respect to the direction of said slot, and a plurality of latch elements slidably mounted in said housing and having their latches proper extending through said openings when in locked position, each of said latch elements forming a coupling member engageable by said ledge in order to be actuated by moving said slide.

2,119,997

**MEANS FOR INCREASING THE SEPARATING CAPACITY OF GRAIN SEPARATING CYLINDERS**

Howard H. Moyer, Lockport, N. Y., assignor to Richmond Manufacturing Company, Lockport, N. Y., a corporation of New York
Application September 21, 1935, Serial No. 41,613
2 Claims. (Cl. 209—95)



1. In combination with a separating drum having pockets in its inner periphery, an inclined plate arranged to receive cascaded material and deliver the same to unfilled pockets of the drum which are moving toward the load, and an underlying shield spaced from the drum extending substantially longitudinally of the plate near the delivery side of the same, to prevent bouncing of the load when it is cascaded onto the drum.

2,119,998

**SHAVING IMPLEMENT**

Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application November 24, 1936, Serial No. 112,516
12 Claims. (Cl. 30—43)

2. An implement of the class described having an elongated casing presenting spaced opposed cutting edges and a cylindrical outwardly concave seat, and a co-operating member mounted

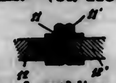


to rock on said seat and having oppositely directed edges arranged to meet said opposed cutting edges alternately as said member is rocked.

2,119,999

**WELDING STRIP**

Maurice Nadder, Paris, France
Application February 14, 1936, Serial No. 63,839
In France February 19, 1935
2 Claims. (Cl. 113—110)

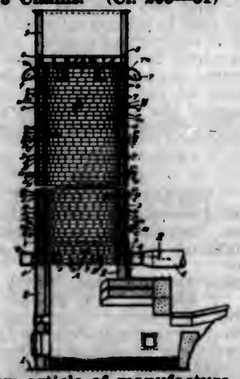


1. The method of welding which comprises folding a piece of metal into angular form to provide a weld-insert having adjacent sides adapted to overlie adjacent sides of a piece of metal to be welded to another piece of metal, forming during said folding, a fold adjacent the angle formed by the adjacent sides, placing said weld-insert between the pieces of metal to be welded together with the weld-insert overlying adjacent sides of one of said pieces of metal, welding said pieces of metal and the weld-insert together and causing at least some of the excess metal provided by said fold to reinforce the welded joint between said pieces of metal.

2,120,000

**REFRACTORY BLOCK AND STRUCTURE**

Mark C. Neil, River Forest, Ill.
Application July 31, 1936, Serial No. 93,551
18 Claims. (Cl. 263—51)



1. As a new article of manufacture, a refractory block for furnaces or the like which includes an outside face portion, an inside face portion, and a connecting spacer portion between the said two portions of substantially smaller cross section than either, the length of said spacer portion being substantially greater than the thickness of



the outside and inside face portions, the outer faces of the two portions being arcuate and generally concentric, the face of the inside face portion extending through a substantially greater angle of arc than the face of the outside face portion.

2,120,001

**TAPPING APPARATUS**

Harry W. Ribble, Milwaukee, Wis., assignor to Premier-Pabst Corporation, Milwaukee, Wis., a corporation of Delaware
Application May 18, 1936, Serial No. 80,279
2 Claims. (Cl. 225—2)



2. In a device of the character described, the combination of a tapping valve operating member having a dispensing faucet fitting at one end and a valve operating means at the other, of a small coiled tube connected to and extending between said ends for restricting the flow to said faucet fitting to reduce the pressure of the beverage from that of the container to substantially atmospheric pressure on delivery, said valve operating means having a passage therethrough and said tube extending to the outlet of said passage.

2,120,002

**RECTIFIER AND CAPACITOR CHARGER**

Harold L. Rordon, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application August 6, 1936, Serial No. 94,520
4 Claims. (Cl. 175—363)



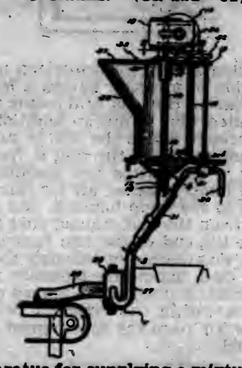
1. A transformer comprising a tubular porcelain insulating member having an outwardly extending flange integral with said member at one end thereof and an inwardly extending flange integral with said member at the other end thereof, removable insulating rings disposed opposite said flanges respectively, a core member extending through said insulating member, one winding of said transformer being disposed about said core member within said insulating member and between one of said flanges and one of said removable rings, and another winding of said transformer being disposed outside of said insulating member and between the other flange and removable ring, the wall of said insulating member separating said windings.

2. Means for charging a capacitor comprising a thermionic valve connected to one terminal of said capacitor, the other terminal of said capacitor being grounded, a transformer for heating the filament of said valve, a housing in which said transformer is mounted, a bushing insulator mounted on said housing through which bushing insulator the heating circuit extends from said transformer to said valve, a transformer for charging said capacitor through said valve, the high voltage circuit of said charging transformer being connected within said housing to the circuit of said heating transformer to provide connection for said charging transformer to said valve through said bushing insulator, said transformers being both mounted in the same housing.

2,120,003

**DUSTING APPARATUS**

George H. Schanz, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 21, 1937, Serial No. 154,823
3 Claims. (Cl. 221—61)

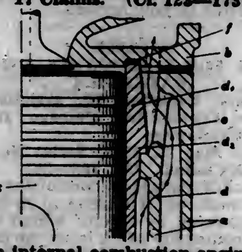


1. Apparatus for supplying a mixture of air and dust comprising a dust receptacle having an outlet discharging into an ejector, a positively driven dust agitator in said receptacle, a valve for positively controlling supply of pressure fluid to the ejector, and means controlled by movement of the dust agitator for operating said valve.

2,120,004

**COOLING ARRANGEMENT FOR INTERNAL COMBUSTION ENGINES**

Karl Schwaiger, Gaggenau/Baden, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application February 10, 1936, Serial No. 63,229
17 Claims. (Cl. 123—173)

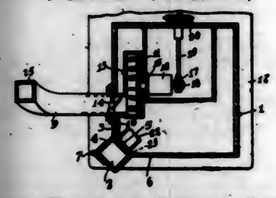


4. In an internal combustion engine, the combination comprising a cooling jacket provided

with an inner shoulder, a cylinder-liner mounted in said cooling jacket for direct contact with the cooling liquid and provided with a plane end-face and with a peripheral shoulder which is formed by a conical collar of the liner tapering towards said end-face and being of substantial axial length and which bears on said first-mentioned shoulder, a cylinder-cover provided with an annular groove, the end of said liner projecting into said groove, and a gasket inserted in said groove.

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**2,120,005**
**COOLING SYSTEM FOR PROJECTION MACHINES**
**Albert B. Scott, Los Angeles, Calif.**
**Application September 30, 1935, Serial No. 42,803**
**7 Claims. (Cl. 88—17)**



1. In a cooling system for projection machines, the combination of a casing having a lens and a film-guide adjacent the lens, said casing also having an elongated film tunnel in addition to said film-guide, through which the film is guided longitudinally, and in which the film is freely movable laterally, a circulating fan mounted within the casing, a lamp housing, an air duct leading from the fan to the lamp housing, and a branch duct leading from the first-named duct for delivering air into the end of the film tunnel, so that the air flows longitudinally through the tunnel, said branch duct extending laterally from the first-named duct, and said first-named duct having a deflector within the same for deflecting a portion of the air from the first-named duct into the film tunnel.

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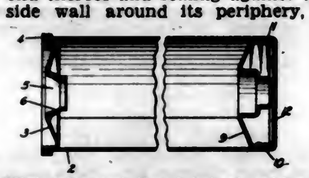
**2,120,006**
**MOLDING ORGANIC COMPOUNDS**
**Daniel E. Strain, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**No Drawing. Application April 26, 1935, Serial No. 18,392**
**12 Claims. (Cl. 18—55)**

1. Process of molding methacrylic acid esters which comprises intimately admixing a preformed polymeric mono-methacrylic acid ester with a monomeric methacrylic acid ester and molding the resulting composition under pressure and at an elevated temperature whereby said monomeric ester is polymerized.

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**2,120,007**
**CARTRIDGE FOR LUBRICANTS AND OTHER MATERIALS**
**Harry R. Tear, Evanston, Ill., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware**
**Application May 31, 1935, Serial No. 24,230**
**3 Claims. (Cl. 206—56)**

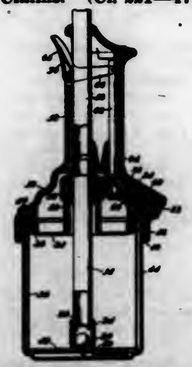
1. A lubricant cartridge comprising, a cylindrical body made up of a sheet of metal having its edges connected by a joint which interrupts the smooth continuity of its inner surface, a follower in said cartridge forming a movable end closure for the cartridge and initially positioned at one end thereof and sealing against the cartridge side wall around its periphery, and a



solder fillet adjacent the joint at said end only of the cartridge to restore the smooth continuity of the inner surface.

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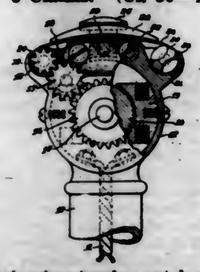
**2,120,008**
**DISPENSER**
**Harry R. Tear, Evanston, Ill., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware**
**Application March 6, 1937, Serial No. 129,310**
**10 Claims. (Cl. 221—47)**



1. A dispenser for use with an open top container comprising a head adapted to be secured over the open top of a container, a discharge tube rigidly carried by said head to project into the container, a piston slidably mounted on said discharge tube, means to force the piston into the container to dispense the contents thereof through said discharge tube, and means to punch a hole in the bottom of the container to admit air thereto to permit removal of the piston therefrom.

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**2,120,009**
**SHAVING IMPLEMENT**
**Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware**
**Application May 12, 1936, Serial No. 79,295**
**5 Claims. (Cl. 30—43)**

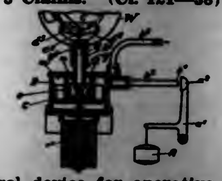


2. A dry shaving implement having, in combination, a blade with oppositely disposed cutting edges, a co-operating cutting helix mounted for rotation under each edge of the blade and resiliently supported in contact therewith, and means for driving the helices in opposite directions.



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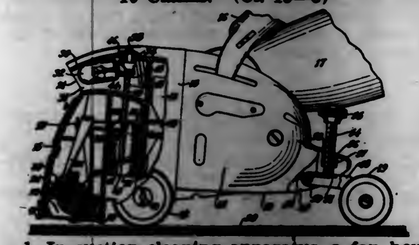
**2,120,010**
**CONTROL AND REGULATOR MEANS FOR ACTUATING MECHANISMS**
**Wilhelm Thaler, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Co., Inc., New York, N. Y., a corporation of New York**
**Application September 29, 1934, Serial No. 746,202**
**In Germany October 6, 1933**
**3 Claims. (Cl. 121—38)**



1. A control device for operative mechanism, comprising a casing, pistons disposed in said casing, face to face, with their piston rods extending in opposite directions through and out of said casing, a weighted member on one of said piston rods for moving its piston in one direction, yieldable means on the other piston rod for moving its piston in the other direction said weighted member and said yieldable means on said piston rods normally urging the pistons towards each other, a pressure fluid supply means connected with said casing, for supplying the interior of the casing with pressure fluid to act upon the pistons and to move them against the action of said weighted member and said yieldable means to positions as far away from each other as possible when acted upon by the highest pressure of the pressure fluid, and means regulating the exhaust of the pressure fluid means to vary the pressure in the casing, whereby the lower pressures allow the moving of the weighted piston to intermediate positions from its position under highest pressure.

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**2,120,011**
**SUCTION CLEANER**
**Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio**
**Application April 11, 1936, Serial No. 73,868**
**10 Claims. (Cl. 15—8)**

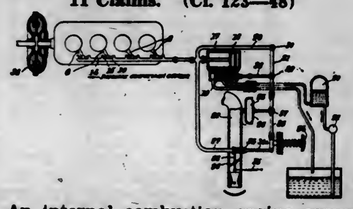


1. In suction cleaning apparatus, a fan housing, a fan in said housing, a nozzle mounted on the fan housing having lips forming an entrance mouth in which the suction becomes increased to a predetermined proper cleaning suction when the nozzle lips are located at a correct position with respect to the surface being cleaned, signal means, suction operated means operatively associated with the signal means, and means communicating with said suction operated means and with the suction side of the fan above said nozzle lips, said suction operated means and communicating means being so constructed and arranged that the signal means is operated by the suction operated means the instant that the predetermined proper cleaning suction exists in the nozzle.

2. In a suction cleaner, a fan and an adjacent adjustable suction nozzle having an entrance mouth, the cleaner including a chamber between the mouth and fan through which cleaning air passes and in which the suction becomes increased to a predetermined proper cleaning suction when proper adjustment of the entrance mouth of the nozzle with respect to the surface being cleaned is effected, and signal means actuated by the varying suction in said chamber arranged so as to indicate when proper cleaning suction has been obtained in said chamber, the signal means including walls forming a piston bore having an opening communicating with said chamber and another opening communicating with the atmosphere, and a signal actuating piston arranged for reciprocation in the bore.

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**2,120,012**
**INTERNAL COMBUSTION ENGINE**
**Jean Edouard Andreau, Paris, France, assignor to "S. E. B. A., Societe Anonyme d'Exploitation de Brevets d'Automobiles", Glarus, Switzerland, a society of Switzerland**
**Application April 10, 1935, Serial No. 15,657**
**In Belgium April 14, 1934**
**11 Claims. (Cl. 123—48)**



1. An internal combustion engine comprising means forming a compression chamber the size of which is capable of being changed, a power piston movable in said chamber, a valve for feeding fuel to said chamber, means for effecting a change in the size of said chamber and for operating said valve when the size of the chamber has been changed, means for delaying the motion of said changing means and a one-way connection between said changing means and said valve, whereby said changing means will operate said valve directly only when said changing means move in one direction.

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**2,120,013**
**ICE PACK**
**Joseph D. Bates, Springfield, Mass.**
**Application June 15, 1936, Serial No. 85,425**
**5 Claims. (Cl. 150—2.1)**



4. A therapeutical device comprising a hollow, closed container formed of flexible material and

having a quantity of a liquid contained therein, and a plurality of perforate members disposed within said container and which substantially fill the space within said container, each of said members being formed with a large number of openings throughout which communicate with the exterior thereof and within which the liquid within said container is received, whereby the liquid within said container, when frozen, will form small, irregular masses of ice which may be easily broken to permit the device to be bent to a desired shape.

5. A therapeutical device comprising a hollow, closed container formed of flexible material, and a fluid-saturated sponge-like member disposed within and substantially filling the space within said container, the fluid within said member being adapted to be frozen.

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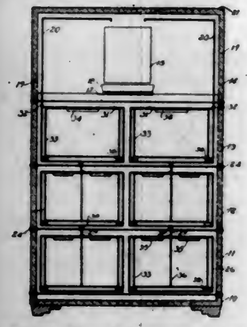
2,120,014

## REFRIGERATOR

Hubert D. Bennett, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, a corporation of New Jersey

Application May 3, 1935, Serial No. 19,647

7 Claims. (Cl. 62—89)



1. In a refrigerator, a compartment partitioned off from the rest of the refrigerator, an open-top receptacle movable into and out of the compartment, said compartment having a portion that cooperates with the top of the receptacle to maintain the receptacle closed off from the compartment as it is moved outward and inward, and a passage for flow of air into and out of the compartment without disturbance of the air in the receptacle as it is moved in and out.

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2,120,015

## ROSIN REFINING AND POLYMERIZATION SIMULTANEOUSLY

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 31, 1935, Serial No. 57,064

12 Claims. (Cl. 87—2)

1. A method for the simultaneous refining and polmerization of rosin which includes treating rosin in solution in a solvent therefor which is a non-solvent for the rosin color-body-boron trifluoride complex, with boron trifluoride at a temperature below 50° C. for the period of time required at the temperature used to obtain simultaneous refining and polymerization, removing the insoluble material formed by said treatment from the solution and recovering refined, polymerized rosin from said solution.

2,120,016

## CONNECTING ROD

Jean Bugatti, Molsheim, France

Application July 15, 1936, Serial No. 90,815

In France August 19, 1935

4 Claims. (Cl. 74—588)



1. A connecting rod which comprises, in combination, two U-section elements having the bases of the U sections assembled along a plane passing substantially through the longitudinal axis of the rod and transverse to the plane of movement of said rod, whereby the resultant section of the whole is a H section, said respective elements including parts which overlap one another in a direction parallel to the plane of movement of said rod, and pins extending through said overlapping parts, for securing said sectional elements together.

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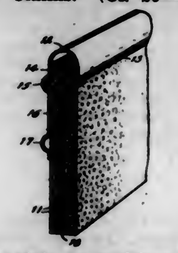
2,120,017

## WEATHER STRIP

Reginald B. Calcutt, Chicago, Ill.

Application January 13, 1936, Serial No. 58,798

4 Claims. (Cl. 20—69)



1. A weatherstrip comprising a cushion embodying elongated relatively narrow superposed plies of sponge rubber, a reinforcing ply interposed between said sponge rubber plies and adhered thereto, and a molding strip having a seat in which a longitudinal marginal portion of the cushion is secured.

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2,120,018

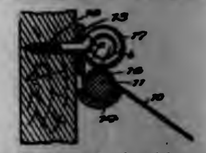
## CLAMPING DEVICE

Burtis O. Cone, Richmond, Va., assignor to Crawford Manufacturing Company, Inc., Richmond, Va., a corporation of Virginia

Application November 9, 1936, Serial No. 110,020

3 Claims. (Cl. 248—273)

3. In a device of the character described, a plate adapted to be clamped against a supporting structure, said plate having an elongated aperture therein, a shoulder on said plate forming a recess, a rod seated in said recess, said rod being disposed transversely of said aperture and only partially embraced by said recessed shoulder and a fastening element having a shank extending loosely through said aperture, said fastening element also having a cam surface bearing directly against the rod in said recess, the angular disposition of said cam surface with respect to said plate being such as to force the shank of the



element toward one end of said aperture and to force the rod and plate toward said supporting structure, said rod being retained in said recess solely by said fastening element and being free to be lifted from the recess upon disengagement of said fastening element.

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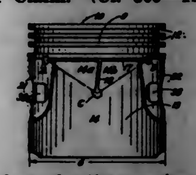
2,120,019

## PISTON

James J. Cooper, Detroit, Mich., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, a corporation of Ohio, as trustee

Application November 27, 1935, Serial No. 51,854

1 Claim. (Cl. 309—11)



An internal combustion engine piston, composed of a material having a co-efficient of thermal expansion higher than cast iron, comprising a head having a depending ring flange, wrist pin bosses depending from and rigidly connected to said ring flange, and a skirt oval in contour with its major axis perpendicular to the wrist pin axis integrally connected at its upper edge to said ring flange in the region of said bosses and separated at its upper edge from the ring flange on both sides of the bosses by two arcuate horizontal slots, each side of said skirt being provided with a substantially vertical slot intersecting the said horizontal slot substantially at the center thereof, and extending downwardly therefrom and terminating above the lower limit of said wrist pin bosses, leaving a circumferentially continuous cylinder bearing skirt portion beneath the lower ends of said vertical slots to transmit thrust loads to said pin bosses.

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2,120,020

## PRESERVING BAKERY PRODUCTS

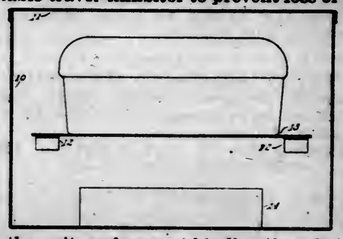
Marion D. Coulter, Pittsburgh, Pa., assignor to Toledo Scale Manufacturing Company, a corporation of New Jersey

Application August 1, 1935, Serial No. 34,168

6 Claims. (Cl. 167—13)

1. A unit for treating the atmosphere of a storage cabinet that comprises 55 parts by weight of diatomaceous earth, holding 140 parts of ammonium sulphate, 210 parts of water, and 0.6 part of gum tragacanth, and cemented into a coherent mass by means of 20 parts of plaster of Paris.

2. A unit for treating the atmosphere of a storage cabinet that comprises an absorbent particulate substance, a substantial proportion of water held thereby for treating said atmosphere, a suitable travel-inhibitor to prevent loss of water



from the unit, and cement binding the whole into a coherent mass.

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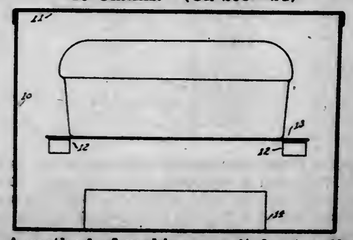
2,120,021

## PRESERVING BAKERY PRODUCTS

Marion D. Coulter, Pittsburgh, Pa., assignor to Toledo Scale Manufacturing Company, a corporation of New Jersey

Application August 2, 1935, Serial No. 34,393

16 Claims. (Cl. 299—24)



3. A method of making a unit for treating the atmosphere of a storage cabinet that includes impregnating absorbent particles with a water solution, and binding them together in a coherent solid mass with a cement, the amount of solution used being such that a major proportion of the weight of the finished unit consists of free liquid.

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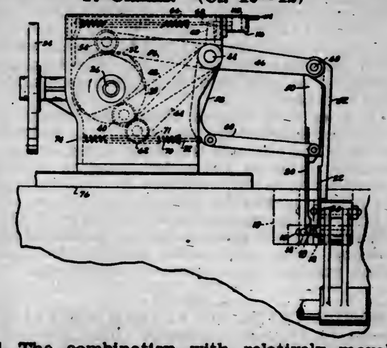
2,120,022

## FEEDING AND TRANSFER MECHANISM

William W. Criley, Cleveland, Ohio, assignor to The Ajax Manufacturing Company, Euclid, Ohio, a corporation of Ohio

Application September 13, 1933, Serial No. 689,226

17 Claims. (Cl. 10—12)



1. The combination with relatively movable upsetting dies having a plurality of die stages, of feeding means adapted to feed bar or rod stock endwise to said dies when in their open position, and transfer fingers adapted to grip said stock

when said upsetting dies are in their fully closed position and to transfer said stock sidewise from one to another of said die stages when said dies are in their open position.

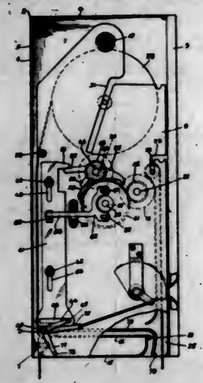
2,120,023

**TOWEL DISPENSING APPARATUS**

Romain De Bersaques, Seattle, Wash., assignor to Steiner Sales Company, Chicago, Ill., a corporation of Utah

Application May 17, 1934, Serial No. 726,085

12 Claims. (Cl. 312—38)



3. In a towel dispensing apparatus, a cabinet, a feed roll and a take-up roll mounted therein, means connecting said rolls for rotation one by the other when a pull is exerted upon the clean toweling, automatic means operative when the clean toweling is substantially exhausted to rotate said rolls independently of any pull upon the clean toweling, said automatic means including a control member moving gradually to operative position as the supply of clean toweling diminishes, and indicating means operated by said control member for indicating the quantity of clean toweling in said cabinet.

11. A towel dispensing apparatus having measuring and take-up rolls, means driving said rolls in unison including shiftable means constantly in roll-driving relation, power storing means, means by which said shiftable means operates the power storing means to store power, means operable by said shiftable means to drive the take-up roll when said shiftable means is shifted, a pawl which is released to allow the stored power to drive said take-up roll, and means operated by the toweling when the clean toweling supply is substantially exhausted to shift said shiftable means and release said pawl.

12. A cabinet having clean towel dispensing means and soiled towel take-up means, and means by which one operates the other, means putting a frictional drag on the soiled toweling to put it under tension as it approaches the take-up means, and detent means for preventing reverse action of said take-up means including a pawl which is held from detent position by the tensioned soiled toweling, said pawl being adapted to assume detent position when towel tension ceases.

2,120,024

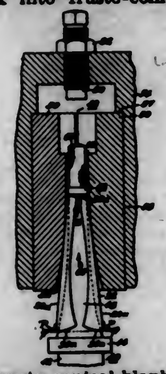
**MANUFACTURE OF FLARED FRUSTUMS**

Ernest R. Fauset, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 9, 1935, Serial No. 53,482

2 Claims. (Cl. 29—169.5)

1. In a method of making a flared, hollow frustum, the steps of forming a sheet metal blank with side edges of concave profile, forming the blank into frusto-conical shape, and



spinning the frusto-conical blank to form it into the flared-frustum shape and simultaneously to draw the side edges of the blank into adjacent, parallel relation.

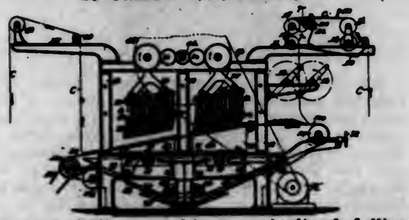
2,120,025

**FULLING AND WASHING MACHINE**

David Gessner, Worcester, Mass.

Application September 19, 1934, Serial No. 744,713

16 Claims. (Cl. 26—20)



7. In a fulling machine, an inclined fulling table, means to deliver cloth in folds to said table, a plurality of fulling stocks, means to operate said stocks to engage and full the cloth while on said table, a heating chamber on which said table is mounted, and means to heat said chamber, said table being longitudinally slidable on said heating chamber to provide end clearance.

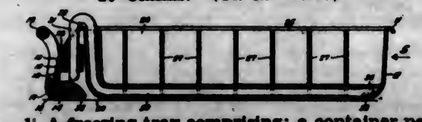
2,120,026

**FREEZING TRAY**

Harvey D. Geyer, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 9, 1933, Serial No. 688,715

10 Claims. (Cl. 62—108.5)



1. A freezing tray comprising: a container pan having a handle movably attached thereto, a flexible non-metallic partitioning device within said pan and having a metal bar engaging a portion thereof, said bar having one end projecting over an edge of said pan, and means actuated by the movement of said handle for urging said bar and device upwardly relative to said pan and simultaneously loosening the ice from said non-metallic partitioning device.



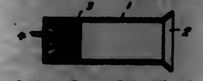
2,120,027

**CIGARETTE EXTINGUISHER**

Elmer G. Johnson, Hibbing, Minn.

Application November 11, 1937, Serial No. 174,108

2 Claims. (Cl. 131—51)



1. A device of the class described comprising a tubular member open at one end and having its other end closed and a series of spaced flanges in the closed end, the inner circumferences of the flanges forming a conical opening for receiving the lighted end of a cigarette.

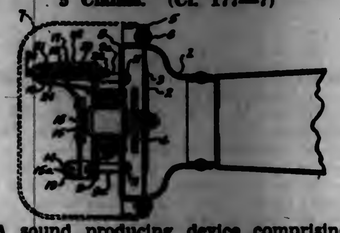
2,120,028

**SOUND PRODUCING DEVICE**

George I. Lewis, Cincinnati, Ohio, assignor to Nedra R. Schiff, Cincinnati, Ohio

Application March 3, 1936, Serial No. 66,641

5 Claims. (Cl. 177—7)



1. A sound producing device comprising an electromagnet, a diaphragm organization actuated upon by said magnet, an interrupter independent of the diaphragm organization interrupting the current fed to said magnet, the diaphragm organization being of less natural periodicity than the periodicity of the interrupter, whereby the frequency of vibration of the diaphragm organization varies during the initial application of the current to the magnet.

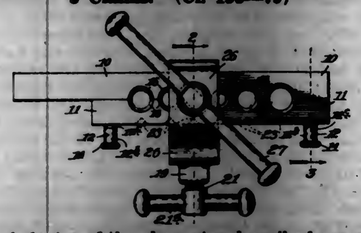
2,120,029

**TUBE FLARING DEVICE**

Tideman M. Lilleberg, Chicago, Ill., assignor to The Nye Tool and Machine Works, Chicago, Ill., a corporation of Illinois

Application October 23, 1936, Serial No. 107,293

3 Claims. (Cl. 153—79)



1. A device of the character described comprising a pair of separate clamping bars having sets of registering, substantially semi-circular, recesses in their opposing surfaces for receiving tubes the ends of which are to be flared, tapered pins on one of said bars and extending in openings in the other of said bars, a member in which said bars extend, said bars and member being relatively slidable in a direction lengthwise of the bars, a tool on said member for flaring the ends of tubes clamped between the bars, and bar-engaging means on said member for clamping said bars against the tubes.

2,120,030

**NEEDLE**

Alonzo H. Little, Los Angeles, Calif., assignor of three-fifths to Glenn O. Fowler, Los Angeles, Calif.

Application September 1, 1937, Serial No. 161,935

5 Claims. (Cl. 223—102)



1. A needle of the kind described having through it an eye which is furnished with an entrance opening and with a dog pivoted to swing to and from a position for closing said entrance opening, said needle having a shouldered portion adjacent to said eye and said dog having a sharp edge portion positioned to cooperate with said shouldered portion of the needle to sever the thread after a sewing operation.

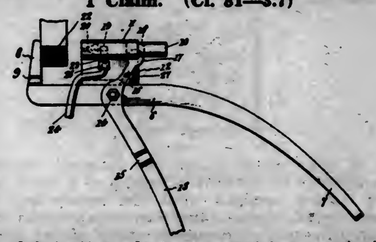
2,120,031

**LUBRICATING DEVICE**

Hunter B. McElrath, Winston-Salem, N. C., assignor of one-half to J. J. Wright, Jr., Winston-Salem, N. C.

Application January 19, 1937, Serial No. 121,370

1 Claim. (Cl. 81—3.7)



A lubricating device comprising a straight frame member, an abutment upstanding from one end of said member, an elongated handle integral with the other end of said member and inclined in a direction opposite from said abutment, a longitudinally slotted guide cylinder disposed in parallel relation to said member and having an end confronting said abutment, means secured to said cylinder and said member supporting said cylinder in offset relation to said member, a plunger slidable in said cylinder and

having a slot intermediate the ends thereof, a wedge-shaped bit on an end of said plunger having a duct opening therethrough terminating adjacent the end of said plunger, means secured to the plunger extending through the slot of said cylinder connecting said duct to a source of lubricant supply, a lever pivotally secured to said member and extending on the same side of said member as said handle, an obliquely disposed arm integral with said lever, and a disc-shaped head carried by said arm engaging in the slot of said plunger.

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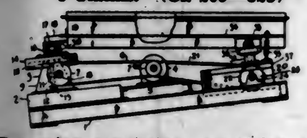
2,120,032

**VIBRATORY SCREEN**

James Mess and Robert Stroud, Toronto, Ontario, Canada, assignors to Niagara Screens & Machines Limited, Toronto, Ontario, Canada

Application April 30, 1937, Serial No. 139,857

6 Claims. (Cl. 209—325)



1. Screening apparatus comprising a base; a screen frame; gyrating means on the base adapted to impart a gyratory movement to one end of the screen frame in a substantially horizontal plane; vibrating means on the base for imparting a vertical vibratory movement to the other end of the screen frame; connecting means between the screen frame and the gyrating means such that the screen frame may rock vertically on the gyrating means; and supporting means for the screen frame adjacent the vibrating means such that the screen frame may rock vertically on an axis at the first mentioned end and horizontally on an axis at the second mentioned end.

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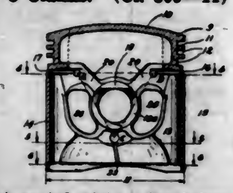
2,120,033

**PISTON**

George L. Moore, Cleveland, Ohio, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, a corporation of Ohio, as trustee

Application November 27, 1935, Serial No. 51,861

3 Claims. (Cl. 309—11)



1. A light metal piston for internal combustion engines comprising a head and a skirt, said skirt having opposed wrist pin bosses and opposed flexible thrust faces having an oval cross-sectional contour, the upper edges of the thrust faces being separated from the head by spaced circumferential slots, and said skirt being connected to the head above said wrist pin bosses, said thrust faces being connected to said wrist pin bosses below the wrist pin bosses and substantially in a vertical plane passing through the wrist pin axis and separated from each other by substantially vertical slots extending upwardly from the open end of the skirt below the wrist pin bosses, and said skirt being otherwise unslotted.

2,120,034

**INDESTRUCTIBLE RELEASE MECHANISM FOR BLASTING CARTRIDGES**

Leonard D. Myers, Washington, D. C., assignor to Safety Mining Company, Chicago, Ill., a corporation

Application March 30, 1936, Serial No. 71,744

31 Claims. (Cl. 102—6)



1. In combination, a cartridge having a chamber formed with a discharge opening and adapted to receive a blasting charge the pressure of which is suddenly elevated to the desired blasting pressure at the time of releasing the charge, a valve for controlling the release of the blasting charge through said opening, and fluid pressure actuated means located on the opposite side of the discharge opening from said chamber for retaining said valve closed until the desired blasting pressure has been reached in the chamber, said means including an auxiliary fluid pressure chamber, and a plunger in said chamber subjected to the pressure of the fluid and connected to said valve.

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2,120,035

**METHOD OF MACHINE KNITTING SEAMLESS FASHIONED SKIRTS**

Herman H. Newberger, Chicago, Ill.

Application July 1, 1936, Serial No. 88,468

1 Claim. (Cl. 66—76)



A process for knitting on a flat type knitting machine, a tubular seamless skirt comprising: knitting tubular courses of stitches to form the bottom border portion of said skirt, each of said courses having an equal number of stitches; shifting inwardly during the knitting of a course the stitches from the stitch-holding needles at each extreme end and also on each side of the machine to superimpose the innermost of the stitches shifted upon needles adjacent the needles from which the innermost stitches are removed; knitting only four succeeding courses having an equal number of stitches; again shifting inwardly the stitches from stitch-holding needles at each extreme end and also on each side of the machine to superimpose the innermost of the stitches just shifted upon needles adjacent the needles from which the innermost stitches just shifted are removed; knitting only four succeeding courses having an equal number of stitches, each of said stitches just shifted being knitted within a single course, again shifting inwardly the stitches from stitch-holding needles at each extreme end and also on each side of the machine to superimpose the innermost of the stitches just shifted from needles adjacent the needles from which the innermost stitches just shifted are removed; knitting another course of stitches, each of said stitches last shifted being knitted within said course; and repeating at intervals of substantially two inches measured vertically along said skirt, said steps in which stitches are shifted at intervals of four courses.



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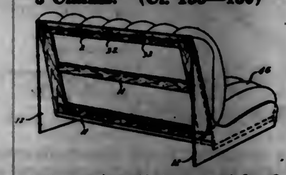
2,120,036

**DISPLACEABLE UPHOLSTERY TRIM**

Ames E. Northup, Pleasant Ridge, Mich., assignor to The Murray Corporation of America, a corporation of Delaware

Application December 12, 1936, Serial No. 54,093

3 Claims. (Cl. 155—180)



3. In a seat construction, a seat back frame, a resilient seat back cushion mounted on said frame, an upholstery panel having top, bottom and side edges adapted for demountable securement over said seat back cushion, said upholstery panel including superimposed connected fabric members having hems in their top and bottom edges as well as in their lateral side edges, stiffening rods extending through the hems at the top and bottom of said panel, hooks on said frame adjacent the top and bottom thereof engaging said stiffening rods to demountably secure said panel in position on said cushion, a pair of drawstrings, one at each end of said frame extending through the hem in the side of said panel and means for anchoring one end of said drawstrings to said frame, and means for anchoring the opposite end of said drawstrings to one of said stiffening rods to tension said panel transversely over said cushion.

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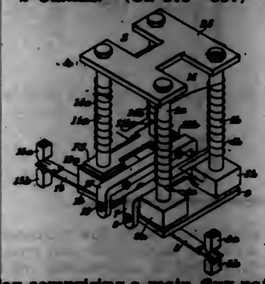
2,120,037

**ELECTRICAL RELAY**

Bernard E. O'Hagan, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application June 19, 1935, Serial No. 27,414

2 Claims. (Cl. 175—337)



1. A relay comprising a main flux path including a saturable back strap and a main armature, a main winding for setting up a flux in said main flux path to attract said main armature, an auxiliary flux path forming a shunt around said back strap and including an auxiliary armature, said auxiliary path having a relatively low reluctance compared to the reluctance of said main path, and an auxiliary winding on said auxiliary path for setting up a flux in said auxiliary path to at times saturate said back strap to vary the efficiency of said main flux path.

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2,120,038

**METAL CAN BODY**

James H. O'Neil, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application June 18, 1935, Serial No. 27,237

1 Claim. (Cl. 220—62)



A metal can body having the ends thereof flanged so that can ends may be secured thereto by double seaming, said can body having a solder-bonded side seam consisting of interlocking hook portions and lap portions at the ends of the side seam, one of the lap portions at each end of the side seam having a V-shaped recess entering the lap portion from the side edge thereof approached by the seaming roll during double seaming, the apex of said recess being disposed in a line centrally of the base of the body hook formed during double seaming, said side edges of said recess diverging away from each other and terminating at the edge of the lap portion adjacent the outer and inner limits of said lap portion whereby the flange is free to bend to form the body hook at the entrance of said recess.

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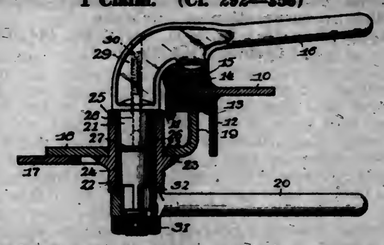
2,120,039

**MEANS FOR SEALING REVOLUBLE DOOR HANDLES**

Frank E. Payne, Glencoe, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois

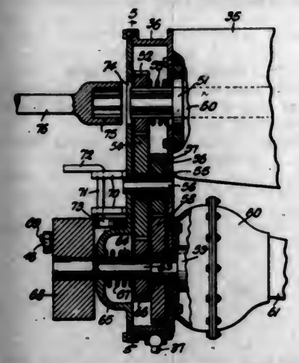
Application September 4, 1937, Serial No. 162,476

1 Claim. (Cl. 292—356)



A bearing and sealing assembly for marine compartment doors comprising a tubular bearing passing through an opening in said door and having a water-tight and gas-tight connection therewith, said tubular member having a tapering bore, a spindle having a tapering portion passing through said tubular bearing and having an annular groove around the same, a transverse duct communicating with said annular groove, an annular clearance within said tapering bore surrounding said annular groove, and a longitudinal passageway through said spindle communicating with said transverse duct.

**2,120,040**
**AGRICULTURAL MACHINE**
**Charles Edward Phillips, Logan, W. Va.**
**Application June 13, 1936, Serial No. 85,148**
**5 Claims. (Cl. 74—389)**



1. Power transmitting mechanism comprising a casing, a driven shaft extended into the casing, a second shaft journaled in the casing and comprising a first part held against longitudinal movement and a second part having longitudinal movement, means for driving machinery from each part of the second shaft, an intermediate gear wheel and an intermediate pinion connected for rotation together, and journaled in the casing, a driven pinion on the second part of the second shaft and meshing with the intermediate gear wheel, a gear wheel on the first part of the second shaft and meshing with the intermediate pinion, a pinion on the driven shaft and meshing with the intermediate gear wheel, and means under the control of an operator for moving the second part of the second shaft longitudinally, to disengage the driven pinion from the intermediate gear wheel.

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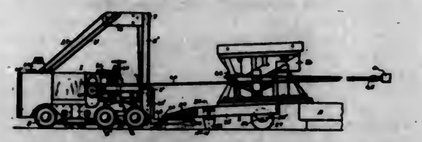
**2,120,041**
**BROACH**
**Walter S. Praeg, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan**
**Application May 24, 1937, Serial No. 144,515**
**11 Claims. (Cl. 29—95.1)**



1. A broach for taking a spiral cut and a straight cut in a single operation comprising a first section, and a second section, said first section having teeth adapted to establish and maintain proper guiding action while taking one of said cuts, guiding means on said second section cooperating with said first cut to guide said broach relative to the work, and teeth on said second section, said teeth being guided by said guiding means and said first cut, while completing said second cut.

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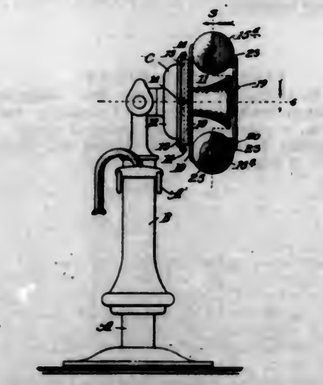
**2,120,042**
**TRANSPORTING EQUIPMENT**
**Edward H. Rombe, Cleveland, Ohio, assignor to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio**
**Application July 1, 1936, Serial No. 88,409**
**16 Claims. (Cl. 214—65)**



1. In an industrial truck, the combination of a frame, a pair of wheels for supporting one end portion of said frame, a sub-frame fulcrumed on the opposite end portion of said frame and provided with a pair of wheels at each end thereof, load elevating means supported on the latter end portion of said frame, means for driving the first mentioned pair of wheels, means carried by said frame and drivingly connected to the axle for one of said pairs of wheels provided on said sub-frame, and means for steering certain of said pairs of wheels.

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**2,120,043**
**PROTECTING DEVICE FOR TELEPHONE TRANSMITTERS**
**Maurice Rabel, Chicago, Ill.**
**Application January 11, 1935, Serial No. 1,392**
**2 Claims. (Cl. 179—185)**



1. In combination with the transmitter of a telephone, a casing secured to said transmitter, a paper roll supported in said casing, manually operated means for drawing paper from said roll in front of said transmitter, and latch means restraining operation of said first named means located remotely from said first named means, whereby both hands of the operator are required to operate said first and second named means.

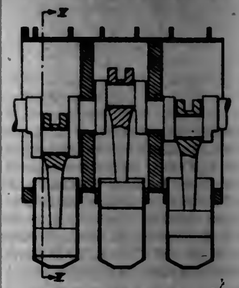


**2,120,044**
**METHOD OF PRODUCING QUICK DRYING OIL SUITABLE FOR VARNISHES**
**Julius L. Schneider, Sylvester Leon Flagge, and Raymond J. Evans, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York**
**No Drawing. Application March 12, 1934, Serial No. 715,248**
**1 Claim. (Cl. 87—12)**

The method of bodying a drying varnish oil which comprises dissolving carbon dioxide in the oil to saturation at atmospheric temperature and pressure, forcing the oil under a pressure of substantially 1000 pounds per square inch into and through a conduit heated to a temperature of 500 to 700 degrees F., and effecting the escape of the heated oil from the conduit prior to deleterious carbonization of the oil.

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**2,120,045**
**AIR-COOLED INTERNAL COMBUSTION ENGINE**
**Herbert Langley Towns, Coventry, England, assignor to Armstrong Siddeley Motors Limited, Coventry, England**
**Application September 21, 1937, Serial No. 164,992**
**In Great Britain August 9, 1937**
**3 Claims. (Cl. 123—55)**



1. An air-cooled internal-combustion engine having a Y-throw crankshaft, and X rows of cylinders arranged radially in a circle and spaced angularly from one another, each row comprising Y cylinders arranged with their main axes in a longitudinal plane and associated, respectively, with the throws of the crankshaft, where X and Y are both greater than 2 and where Y is an odd number, characterised in that the crankshaft is an unsymmetrical one having its throws angularly spaced with respect to one another by angles which are

$$\frac{360°}{XY}$$

or any multiple thereof, provided that the value thereof is not

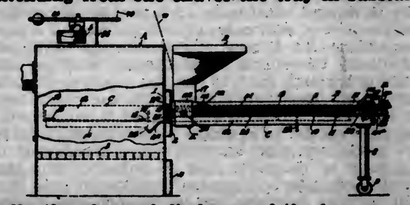
$$\frac{360°}{X}$$

or a multiple thereof.

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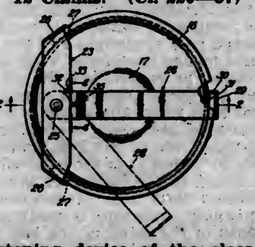
**2,120,046**
**STOKER**
**Frederick C. Tretheway, Wilkes-Barre, Pa., assignor of one-fourth to Charles P. Stewart, Forty Fort, Pa.**
**Application May 20, 1937, Serial No. 143,785**
**16 Claims. (Cl. 110—100)**

1. In an overfeed stoker for a furnace or the like, the combination of a support; a fuel carrier reciprocably mounted on said support for movements into and out of the furnace; a tray on said carrier having a gate in the bottom thereof; a bottom discharge hopper disposed adjacent the furnace and over the path of travel of the carrier; a hopper valve fixed on the carrier extending from one end of the tray in substantially the plane of discharge of the hopper and being movable bodily with the carrier for closing the bottom of the hopper when the carrier has passed beyond the hopper and into the furnace; and means for causing the gate to open when the carrier reaches a predetermined position within the furnace.



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**2,120,047**
**CAN COVER AND FASTENING MEANS THEREFOR**
**Henry P. Turner, Chicago, Ill.; Drovers Trust & Sav. Bank executor of said Henry P. Turner, deceased**
**Application May 16, 1935, Serial No. 21,817**
**12 Claims. (Cl. 220—57)**



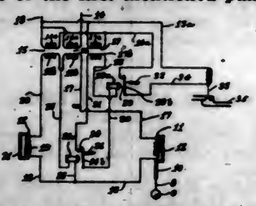
1. A fastening device of the class described comprising a flat member adapted to extend over the cover to be held in place, having downwardly and inwardly extending claws to act as retaining means, and an arm pivoted substantially centrally of said member, a downwardly and inwardly extending claw on the free end of said arm to form with the other downwardly and inwardly extending claws on said member, a means for retaining said device in place on a can, said arm having a cover engaging portion for holding said cover in place under pressure when the said device is in operative position on a can provided with a cover, said member having a slit in the edge thereof, which slit lies adjacent one edge of said arm when said arm is in operative relation with said member, said member having a portion adjacent said slit extending into a position to engage the side of said arm to limit the pivotal movement away from operative position while permitting pivotal movement thereof in the opposite direction.

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**2,120,048**
**ELECTRIC FLOAT CONTROL**
**Jacob Lee Turner, Milton, Mass.**
**Application July 29, 1935, Serial No. 33,796**
**4 Claims. (Cl. 137—68)**

1. Electric float control apparatus for restoring the level of liquid in a container comprising a

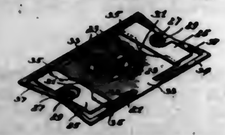
transformer connected to a source of alternating current; a pair of circuits connected to the secondary winding of said transformer; a pair of coils in each of said pairs of circuits; one coil in each of said pairs of circuits having associated therewith a fixed magnetic conductor arranged externally of said coil and a fixed armature arranged internally of said coil; the other coil in each of said pairs of circuits having a corresponding fixed magnetic conductor arranged externally thereof; a fixed tubular member extending through each of the last mentioned coils, having an open connection with the container; an armature movable within said tubular member in response to changes of the liquid level in the container, and adapted when positioned in the path of magnetic flux of either of the last mentioned coils to increase the flow of said flux and thereby increase the impedance and correspondingly reduce the current flow through the coil surrounding said movable armature; a second pair of circuits, one of which is connected between one of the first mentioned pair of cir-



cuits and the secondary winding, and the other of which is connected between the other of the first mentioned pair of circuits and the secondary winding; and means associated with said second pair of circuits for controlling the admission of liquid to the container; the said apparatus being so organized that when the liquid is at a desired level the movable armature is positioned in the magnetic path of one of the last mentioned coils with respect to which it is movable whereby admission of liquid to the container is cut off, and when the liquid falls to a predetermined lower level the movable armature is positioned in the magnetic path of the other of the last mentioned coils with respect to which it is movable whereby admission of liquid to the container occurs to restore the desired level; and said apparatus being further organized so that the control determined by the presence of the movable armature within the magnetic path of one of the coils with respect to which it is movable continues until the movable armature has moved within the magnetic path of the other of the coils with respect to which it is movable.

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**2,120,049**
**FASTENING MEANS FOR WALLBOARD AND THE LIKE**
**Ross Winship, Lockport, N. Y., assignor to The Upson Company, Lockport, N. Y., a corporation of New York**
**Application December 15, 1937, Serial No. 179,968**
**5 Claims. (Cl. 20—92)**



5. A fastener for wallboard and the like, made from a single piece of sheet metal cut, stamped, and formed to provide a central plate portion of substantial area having a plurality of upstanding prongs projecting from the front face thereof so that wallboard or the like may be impaled on said prongs, securing portions for attachment to a support at each of two opposite edges of said plate portion, each of said securing portions overlying said plate portion to retain it against movement in a direction away from said support while permitting movement of said plate portion through a limited range with respect to said securing portions in all directions substantially parallel to the plane of wallboard impaled on said prongs, and arms connecting said plate portion to both of said securing portions, each of said arms having two relatively narrow and readily bendable portions at a substantial angle to each other.

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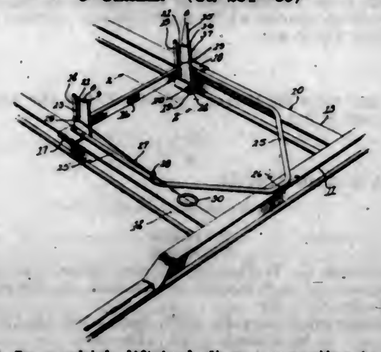
**2,120,050**
**CRANKCASE VENTILATING SYSTEM**
**Wilfred W. Lowther, St. Paul, Minn., assignor to Donaldson Company, Inc., St. Paul, Minn., a corporation of Minnesota**
**Application January 28, 1937, Serial No. 122,755**
**12 Claims. (Cl. 123—119)**



1. In a device wherein two chambers are in communication through a restricted passage and are subject to varying pressure pulsations tending to produce varying flow through said restricted passage, a clean-out device working in said restricted passage and subject to movement under such pressure pulsations, said clean-out device comprising a stem having a weighted lower end and a head at its upper end.

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**2,120,051**
**REAR AXLE BLOCK FOR AUTOMOBILE LIFTS**
**Richard G. Tully, Wauwatosa, Wis., assignor to Walker Manufacturing Company, Racine, Wis., a corporation**
**Application July 12, 1937, Serial No. 153,983**
**9 Claims. (Cl. 254—89)**

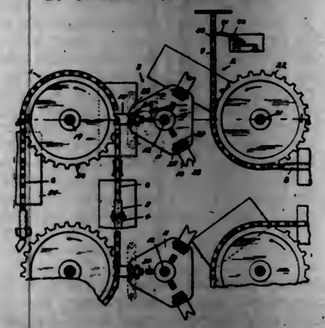


1. In a vehicle lift including a mounting to be initially raised into position to elevate the axle of a vehicle, a lifting block pivotally associated with said mounting whereby to move from axle lifting position to retracted position and shaped to engage the axle whereby in the movement of the vehicle off of said lift to pivotally move the block to retracted position.



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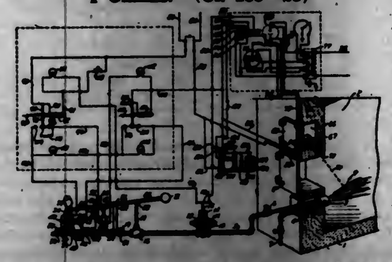
**2,120,052**
**CONVEYER**
**Leonard J. Bishop, Detroit, Mich., assignor to Mechanical Handling Systems, Inc., Detroit, Mich., a corporation of Michigan**
**Application December 21, 1934, Serial No. 758,688**
**17 Claims. (Cl. 198—25)**



1. The combination with a work conveyer, of a member movable toward and away from the path of said conveyer, said member being adapted to register with and to engage the work, means comprising a cam for raising said member when in registration with the work to remove the weight of the work from said conveyer, said raising means also comprising a device for raising said cam to operative position, and means for holding said member in raised position after its disengagement from said cam and during a portion of its movement away from the path of said conveyer.

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**2,120,053**
**APPARATUS FOR SHUTTING OFF FUEL SUPPLY TO A FURNACE OR THE LIKE**
**Daniel William Fehrenbach, Kansas City, Mo., assignor to Kansas City Journal-Post Company, Kansas City, Mo., a corporation of Missouri**
**Application June 26, 1936, Serial No. 87,452**
**4 Claims. (Cl. 158—28)**



1. In combination with a furnace having a burner, a door for access to the burner and means for supplying fuel to the burner of means for controlling said fuel supply, including a valve, a magnet for closing the valve, an electrical circuit for energizing the magnet, a magnetic switch in the magnet circuit, a relay circuit connected with the magnetic switch, means responsive to presence of combustion in the furnace for closing the relay circuit to energize the magnetic switch for opening the magnet circuit and operable upon absence of combustion to open the relay circuit and effect closure of the magnetic switch for closing the valve, and a switch in said magnet circuit having connection with the door for breaking said magnet circuit to permit closing the valve upon opening the door.

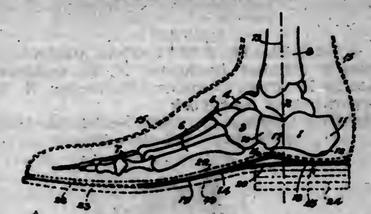
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**2,120,054**
**THERMOPLASTIC ADHESIVE AND LAMINATED FABRIC COMPRISING SAME**
**Ralph M. Freydberg, New York, N. Y., assignor to Acme Backing Corporation, Brooklyn, N. Y., a corporation of New York**
**No Drawing. Application March 17, 1937, Serial No. 131,411**
**3 Claims. (Cl. 106—22)**

1. A thermoplastic adhesive for use in uniting fabrics comprising 100 parts of a polymerized derivative of methacrylic acid, 10 parts dibutyl phthalate, and 1 part chlorinated rubber.

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**2,120,055**
**OS CALCIS SUPPORT**
**Ainslie Macdonald, Winnipeg, Manitoba, Canada**
**Application January 22, 1936, Serial No. 60,280**
**Renewed January 10, 1938**
**3 Claims. (Cl. 36—71)**



1. An insole for a boot or shoe having its front and rear ends oppositely inclined to underlie, respectively, the longitudinal arches and the heel bone of the wearer's foot and meeting in an elevated transverse ridge positioned directly under and directly supporting the anterior portion of the heel bone.

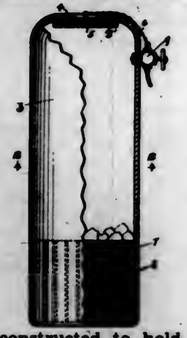
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**2,120,056**
**COMBINED RESISTOR AND SHUNT SWITCH**
**Irs E. McCabe, Chicago, Ill.**
**Original application July 31, 1933, Serial No. 683,037. Divided and this application February 11, 1935, Serial No. 5,931**
**5 Claims. (Cl. 201—48)**



1. A combined resistor and shunt switch including an envelope having terminals sealed in the walls thereof, an electrical resistor having a negative temperature coefficient interposed between the terminals to be always connected in circuit therewith, and a movable body of conducting fluid which, in one position of the switch, moves away from the resistor and terminals to be completely out of contact therewith, and, in another position of the switch moves to submerge the resistor and shunt it.

2,120,057
**APPARATUS FOR CONVERTING DRY ICE INTO CARBON DIOXIDE GAS**
Warren C. Merrill, Los Angeles, Calif., assignor to Irving S. Baltimore, Los Angeles, Calif.
Application October 7, 1935, Serial No. 43,857
Renewed January 19, 1938
2 Claims. (Cl. 62—91.5)



1. A tank constructed to hold pressure and having a closure therefor, and adapted to receive pieces of dry ice for conversion into carbon dioxide gas, and means provided within said tank to receive and hold a quantity of small pieces of dry ice for more rapid sublimation, said means providing increased surface for contact with said small pieces to accelerate the sublimation thereof.

2,120,058
**NAME PLATE FASTENING MEANS**
Charles F. Mitchel, Rochester, N. Y., assignor to Bastian Brothers Company, Rochester, N. Y., a corporation of New York
Application October 19, 1937, Serial No. 169,903
7 Claims. (Cl. 40—20)



1. A name plate having a back member provided with bayonet slots in circumferentially spaced relation adjacent to its periphery, and a fastener having radially outstanding endwise-engaging gripper arms and supporting arms outstanding between the gripper arms, having lateral extensions provided with angular terminals engaged in said slots.

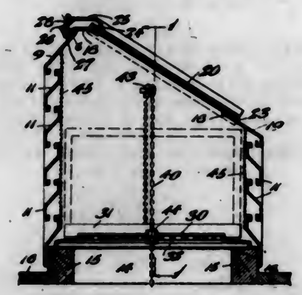
2,120,059
**FOUNTAIN PEN**
Fred Moore, Chicago, Ill., assignor to The Wahl Company, Chicago, Ill., a corporation of Delaware
Application December 14, 1933, Serial No. 702,321
Renewed November 11, 1937
7 Claims. (Cl. 120—46)

1. A fountain pen reservoir unit adapted for insertion in a pen barrel, comprising in combination, a pen section, a flexible tubular member having its lower end secured to said pen section, a stiff hollow manipulating member secured to the upper end of said tubular member, said manipulating member being closed at its upper end and having its cavity in communication with the cavity of the tubular member so that in conjunction they form an extended ink reservoir, said



manipulating member being operable to flex the tubular member and thereby vary the content capacity of said reservoir, and a stiff by-pass tube carried by the pen section and extending longitudinally in the reservoir and adapted for engagement with the upper end of the manipulating member to limit displacement of same toward the pen section during intrusion of the reservoir in the barrel.

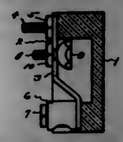
2,120,060
**SKYLIGHT**
Israel Williams, Philadelphia, Pa.
Application August 10, 1937, Serial No. 158,278
3 Claims. (Cl. 108—16)



1. A unitary skylight consisting of a sheet metal base member having an aperture therein and a downwardly stepped marginal portion terminating in an annular seat to rest upon a skylight supporting structure, said aperture being bounded by an upstanding flange on said base member, a sash arranged to interfit with said flange, a light transmitting panel in said sash, means for hinging said sash to said base member, plates forming two sides of said skylight and louvers forming the remaining two sides, and a light transmitting panel attached to said plates to form the top of said skylight.

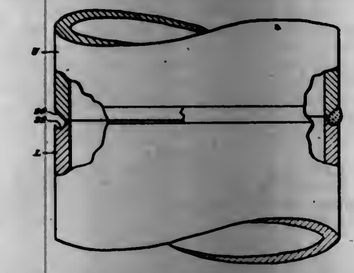


2,120,061
**ELECTRICAL CONNECTION BLOCK**
Henry J. Blakeslee, Marlboro, Conn., assignor to The States Company, Hartford, Conn., a corporation of Connecticut
Application June 23, 1937, Serial No. 149,908
3 Claims. (Cl. 200—163)



1. An electrical connection block having a base, conducting plates mounted on the base with their adjacent ends aligned and spaced from each other, and a conducting connector, said connector comprising a threaded stem extending through the space between the plate ends and having a member with a spherical surface adapted to be engaged with one side of the plate ends and a member with a flat surface adapted to be engaged with the other side of the plate ends, one of said members being integral with said stem and the other of said members being threaded on said stem.

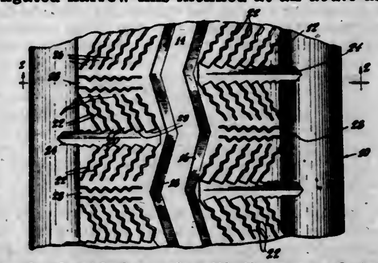
2,120,062
**JOINT**
Herman G. Blevins, Sewickley, Pa., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 17, 1937, Serial No. 159,484
3 Claims. (Cl. 285—111)



1. A welded butt joint for well casing or the like comprising two lengths of casing standing substantially vertically and substantially in end to end engagement, a complementary groove formed on the end of each casing length and together providing a welding groove, the groove on the lower casing end being shaped to retain fluid weld metal therein, the groove on the upper casing end being formed with clearance to permit the entrance of a welding rod or electrode into the welding groove formed between the ends of the casing lengths, and metal welded in the welding groove and securing the lengths of casing together.

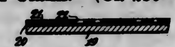
2,120,063
**TIRE**
Pierre Marcel Bourdon, Paris, France, assignor to Michelin et Cie, Clermont-Ferrand, France, a corporation of France
Application May 25, 1937, Serial No. 144,597
16 Claims. (Cl. 152—209)

1. A vehicle tire comprising a tread portion, radially opening channels extending transversely of said tread and a plurality of spaced apart elongated narrow fins inclined at an acute angle



to each of said channels with the spaces between said fins opening into said channels.

2,120,064
**MEANS FOR IDENTIFYING X-RAY PHOTOGRAPHS**
Timothy S. Buckley, Jackson Heights, N. Y.
Application May 24, 1935, Serial No. 23,175
1 Claim. (Cl. 250—34)



A removable identification plaque for marking an X-ray negative, said plaque comprising a backing sheet permeable to X-rays, an intermediate layer of plastic material impermeable to X-rays, and a flexible smooth-surfaced cover sheet permeable to X-rays and depressible under scribing pressure into the plastic layer to form therein depressions wherein said plastic layer is rendered permeable to X-rays to produce the desired photographic marking on the negative.

2,120,065
**BALANCING DEVICE FOR FLYING MACHINES**
Charles Roger Anne Marie de Rougé, Mercues, France, assignor to Pollopas Patents Limited, London, England
Application May 11, 1936, Serial No. 79,033
In France May 11, 1935
11 Claims. (Cl. 244—75)



8. A flying machine, comprising a body portion, supporting planes connected to said portion, a rigid guide wing, having an area approximately equal to that of a supporting plane and being secured to the body portion in the region of the supporting planes in an upwardly extending position and having a base conforming to the shape of the body portion and flaps mounted on the said guide wing in two planes at an angle to each other.

2,120,066
**CABLE-GRIPPER**
Edmund F. Dwight, Portsmouth, N. H.
Application March 24, 1937, Serial No. 132,873
11 Claims. (Cl. 104—218)

1. A cable-gripper comprising a male grip and a female grip having connecting portions by which they are co-operatively related, one of said grips having a cam-follower and the other having a seat facing the latter and an operating member arranged to act on said seat and said

cam-follower for relatively moving them to clamp, unclamp and release a cable, said operating member having an operating surface comprising a steep quick-acting camming portion, a shoulder and a land tangent to the latter, said



land being arranged to maintain a certain predetermined clamping relation of the grips, said shoulder being arranged to establish said relation, and said steep portion having a range sufficient to provide for lateral insertion of a cable between the grips.

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**2,120,067**
**FITTING AND THE MANUFACTURE THEREOF**
**John E. Gray and William M. Parker, Port Huron, Mich., assignors to Mueller Brass Co., Port Huron, Mich., a corporation of Michigan**
**Application October 1, 1937, Serial No. 166,721**
**9 Claims. (Cl. 29—157)**



1. A relatively thin-walled wrought metal pipe fitting comprising a socket portion, a bead expanded outwardly from said socket portion, and a solder ring in said socket disposed inside of said bead and having an inner surface flush or even with the inner surface of said socket, said solder ring being split, with a gap between its ends, said bead being interrupted to provide an imperforate gap therein in which the gap of the solder ring is positioned.

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**2,120,068**
**FISHLINE REEL**
**Frederick C. Griswold, Port Jefferson, N. Y.**
**Application May 7, 1936, Serial No. 78,305**
**21 Claims. (Cl. 242—84.5)**



1. In a fish line reel, a casing, a shaft rotatable therein, a hollow spool rotatable on the shaft, a friction clutch attached to the shaft and located within the spool, means for bringing the friction clutch into more or less frictional contact with the spool, and a variable throw hand crank carried by the shaft.

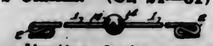
**2,120,069**
**FISHLINE REEL**
**Frederick C. Griswold, Port Jefferson, N. Y.**
**Application January 21, 1937, Serial No. 121,511**
**23 Claims. (Cl. 242—84.5)**



1. In a fish line reel, a spool shaft, a pinion fast thereon, a hand crank having a rack meshing with the pinion, spring means for controlling the outward and inward movement of the hand crank as the pull thereon increases and decreases, and means rotatably mounted on the spool shaft for guiding the hand crank in its outward and inward movements.

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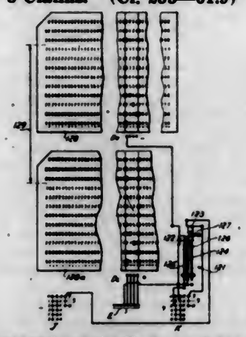
**2,120,070**
**COLLAR ADJUSTING DEVICE**
**Andrew J. Huellebrand, Nashville, Tenn., assignor to Swank Products, Inc., a corporation of Delaware**
**Application June 22, 1936, Serial No. 86,626**
**2 Claims. (Cl. 24—81)**



1. A collar adjusting device, comprising a pair of similar members, means joining their inner ends in pivotal frictional relation with sufficient binding engagement to retain the members in adjusted position when moved from one position to another and withstanding the pull of a collar thereon, means included in said joining means for limiting movement of the members within a working range of movement, each member having a collar edge portion engaging means to retain the ends of the collar in desired position.

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**2,120,071**
**RECORD CONTROLLED MACHINE**
**Lincoln M. Keefe, Springfield, Mass.**
**Application May 24, 1933, Serial No. 672,557**
**8 Claims. (Cl. 235—61.9)**



1. In a record controlled machine having a sensing means adapted to initiate impulses in accordance with indicia arranged in horizontal rows in the records, a device in said machine for initiating other impulses each of which is normally timed to endure while one of said horizontal rows is engaged by the sensing means, manual means permanently connected to said device and

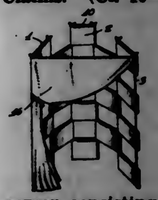


adjustable from the outside of said machine for changing the timing of said second impulses relative to said first impulses, and mechanism adapted to be controlled by said impulses.

5. In a record controlled machine, a sensing means including a first set of brushes and a second set of brushes, an impulse emitter adapted to institute impulses in time with and of the same electrical sign as impulses instituted at said first set of brushes, a second emitter adapted to institute other impulses in time with and of like polarity as impulses instituted at said second set of brushes, accumulating means, connections between some of the brushes in said second set and at least one section of said accumulator means, a circuit between said second emitter and another section of said accumulator means, said circuit including switching means, electrical means for closing said switch, connections between said electrical means and one of the brushes in said first set and said second emitter, and a second electrical means connected to both said emitters and adapted to open said switch.

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**2,120,072**
**DISPLAY SCREEN**
**Archie Lewy, Philadelphia, Pa.**
**Application August 14, 1936, Serial No. 96,031**
**3 Claims. (Cl. 40—28)**



1. A display screen consisting of a plurality of sections each composed of a plural number of blocks in spaced relationship, means pivotally connecting together the adjacent blocks of any two contiguous sections, and a rod extending through and connecting together the free ends of each of the blocks in each of the end sections.

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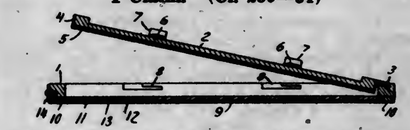
**2,120,073**
**FLUID PRESSURE CONTROL MECHANISM**
**Ludwig A. Majneri, Grosse Pointe, Mich.**
**Application January 8, 1936, Serial No. 58,037**
**2 Claims. (Cl. 60—54.6)**



1. In a fluid pressure control mechanism, the combination of a pressure chamber having a pressure discharge passage and a reserve chamber having a fluid supply passage, a bypass forming a communication between said chambers, an internally threaded chamber in said bypass, an open end chamber in axial alignment with said threaded chamber, a shoulder between said threaded chamber and said open end chamber, a fitting having an axially extending passage in one end thereof and a radially extending passage communicating therewith said fitting being screw threaded into said threaded chamber through said open end chamber and having an enlarged closed outer portion beyond said radially extending passage for engagement with said shoulder, and a one-way valve in the axially extending passage of said fitting.

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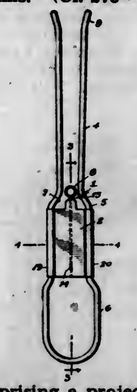
**2,120,074**
**METHOD FOR IDENTIFYING ROENTGENOGRAMS**
**Frank T. Powers, Glen Cove, N. Y.**
**Application January 29, 1937, Serial No. 122,940**
**1 Claim. (Cl. 250—34)**



The method of marking a Roentgenogram of a portion of a human subject for identification which comprises imprinting upon the surface of the ray sensitive medium used in making the Roentgenogram, a finger print of the subject being Roentgenogramed, said imprinting being accomplished by exposing a portion of the surface of said medium while said medium is within a cassette and at the time of making said Roentgenogram and impressing upon said exposed surface one or more of the digits of said subject, after first applying marking material to the skin of said digit or digits.

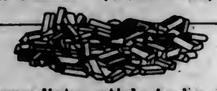
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**2,120,075**
**GAME**
**Madis Reesman, New York, N. Y.**
**Application January 14, 1938, Serial No. 184,950**
**3 Claims. (Cl. 273—96)**



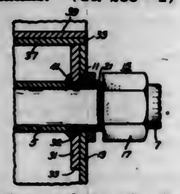
1. A game comprising a projectile and a projector, said projector being formed with a body, a handle extending from one end of said body, a forked structure extending from the other end of said body, and a resiliently held knob positioned adjacent the base of said forked structure for resiliently resisting the movement of the projectile out of said forked structure when the device is actuated.

2,120,076
**SOLUBLE RESIN**
Charles Martin Ross, Mansfield, Mass., assignor to John D. Lewis, Incorporated, a corporation of Rhode Island
Application February 13, 1936, Serial No. 63,725
2 Claims. (Cl. 134—26)



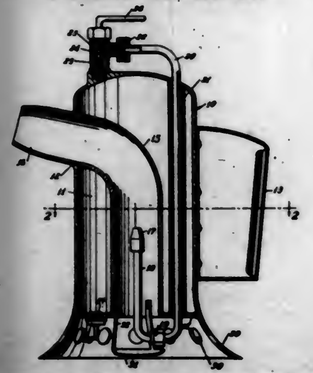
1. An intermediate article to be dissolved for liquid use in varnish or the like comprising an ester gum in the form of short sticks, the outer surfaces of which are free from substantial amounts of powdered particles of the gum up to the time of use and are shaped to provide spaces between the sticks when amassed in piled relation.

2,120,077
**SUPPORTING APPARATUS**
William E. Schmidt, Northside, Pa., assignor to C. K. Manufacturing Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application March 2, 1938, Serial No. 193,391
4 Claims. (Cl. 285—1)



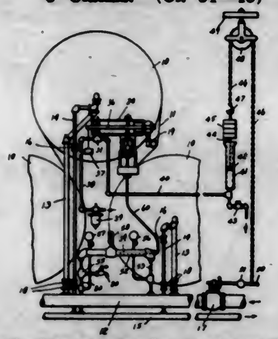
1. In combination, a frame having a longitudinal wall portion and transverse wall portions, a tubular element extending through said transverse wall portions adjacent to said longitudinal wall portion and means secured to said tubular element and adapted to engage said longitudinal wall portion to prevent said tubular element from turning when a torque is applied thereto.

2,120,078
**TORCH**
Henry Schrader, Chicago, Ill.
Application April 10, 1936, Serial No. 73,661
3 Claims. (Cl. 158—32)



1. A burner comprising an upstanding tank having a blow tube extended through a bottom wall of the tank upwardly through the same and having an angled nozzle part extended through a side wall thereof, the said tank further having a passage extended from the top thereof through the tank to the bottom thereof, and a fuel line communicating with and leading from the region of the top of the tank back through said passage and into the lower portion of said blow tube and said line further having an orifice positioned in said blow tube at or below the angled part thereof.

2,120,079
**AUTOMATIC STEAM CONTROL FOR PAPER MACHINES**
Fredrick A. Stickle, Indianapolis, Ind., assignor to Stickle Steam Specialties Company, Indianapolis, Ind., a corporation
Application October 2, 1936, Serial No. 103,708
3 Claims. (Cl. 34—48)



1. Control apparatus for paper machines having drying rolls including a steam line supplying steam to the drying rolls, a valve in said line controlling the flow of steam therein, a tension roll engaging a web of paper passing through said machine and tending to be moved in one direction when said web slackens and in the other direction when said web tightens, a movable member operatively connected to said tension roll and movable thereby, means operatively connecting said movable member and said valve and tending to close said valve when said member is moved in response to a tightening of the web and to open the same when said member is moved in response to a slackening of the web, and a thermostat responsive to the temperature of the steam supplied to said drying rolls and operative connections between said thermostat and said movable member tending to move said movable member in the direction to close said valve when the temperature of said steam increases and to open said valve when said temperature decreases.

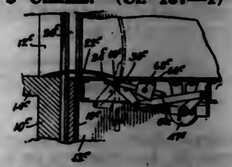
2,120,080
**BEARING REAMER**
Joseph Sunnen, Kirkwood, Mo.
Application April 6, 1936, Serial No. 72,884
6 Claims. (Cl. 77—75.5)



1. A reamer comprising a housing, a reamer body slidably mounted in said housing and having a plurality of longitudinally extending grooves spaced around the periphery thereof, a cutter disposed in one of said grooves, guide members in other grooves, the engaging surfaces of the grooves with the cutter and guides comprising planes inclined to the longitudinal axis of the reamer body for effecting radial adjustment thereof with longitudinal movement of the reamer body, a cap disposed over the cutter and guides and yieldingly fixed to the housing, said guides having engagement with the cap to cause the guides and the cap to move longitudinally outwardly with the reamer body when restrained against radial movement, means for anchoring the cutter on the housing while permitting said cutter to move radially in its groove in the reamer body, and means for moving the reamer body in the housing.

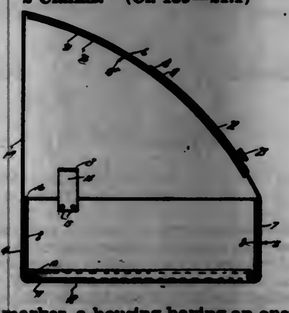


2,120,081
**ELEVATOR PLATE MECHANISM**
Elisha E. Alexander, Chicago, Ill.
Application January 2, 1935, Serial No. 1
8 Claims. (Cl. 187—1)



3. In an elevator structure having a floor for selective horizontal alignment with superposed floors of a building structure, of an elongated metallic plate extending along an edge of said elevator floor, there being a notch of corresponding plate length in said elevator floor to receive an elongated edge of said plate, pivotal means mounted on the underside of said elevator floor adjacent said notch for attachment to said last named plate edge mounted to lie flush with said elevator floor, means for displacing said metallic plate about said pivotal means in overlapping relation with the threshold of said elevator floor to rest on a building floor in substantially horizontal alignment therewith to bridge the gap between said elevator and building floor structures, and means interposed between said displacing means and said metallic plate to retain the latter in its extreme positions of displacement.

2,120,082
**GRAVE MARKER**
Zela Franklin Andersen, Hereford, S. Dak.
Application August 23, 1937, Serial No. 160,479
2 Claims. (Cl. 189—21.1)

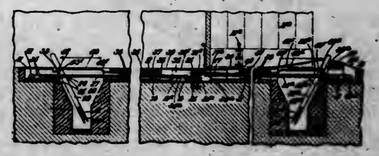


1. In a marker, a housing having an open lower end and a rounded upper end closed except for a door opening, a door slidably mounted over the said opening, a smaller shell mounted inside the housing and forming a space all around the inside of the housing, and a waterproof insulating packing in this space.

2,120,083
**SOLID-GELLED OIL COMPOSITION AND PROCESS OF PREPARING SAME**
Edward F. Arnold, Metuchen, N. J., and Michael J. Callahan, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 31, 1936, Serial No. 61,746
9 Claims. (Cl. 134—79)

3. A coating composition comprising a homogeneous dispersion of cellulose nitrate, a solvent mixture including ethyl alcohol and ethyl acetate, a diluent and a semi-plastic solid-gelled non-drying vegetable oil, said oil having been rendered solid-gelled by treating it until semi-plastic, and stopping the treatment before the oil reaches the crumbly stage.

2,120,084
**VEHICLE ACTUATED MEANS FOR OPENING AND/OR CLOSING DOORS AND GATES**
William Austin, Canterbury, England
Application October 31, 1936, Serial No. 108,614
In Great Britain November 6, 1935
10 Claims. (Cl. 268—35)



1. Vehicle-actuated means for operating a hinged door or gate, including an element attachable to said door or gate, means arranged below ground level for guiding said element in a quadrantal path centred on the hinge of said door or gate and mechanism actuable by an approaching or receding vehicle for moving said element along said guiding means in the appropriate direction, said mechanism including flexible tension transmitting elements connected to said first named element to move the same in either direction along its quadrantal path, and guiding and supporting means for said tension transmitting elements, including a number of idle rollers mounted within said first named guiding means and pulleys running on fixed axes mounted adjacent the ends of said quadrantal path.

2,120,085
**STAMPED METAL RADIATOR**
Albert P. Ball, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application April 15, 1935, Serial No. 16,322
6 Claims. (Cl. 257—139)

6. A sheet metal radiator comprising an inner sleeve-like shell, an outer shell enclosing the same and composed of a pair of stampings having opposed angular peripheral flanges welded together along their meeting edges, the line of weld being interrupted along portions at the top and bottom ends of the radiator, said opposed flanges along said portions having relieved sec-

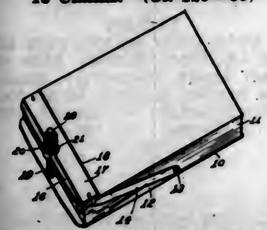
tions abutting the edges of the sleeve and welded



thereto to form a fluid chamber between the shells and an air passage through the inner shell.

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2,120,086
**LOOSE LEAF BINDER**
Raymond S. Brown, Columbus, Ind.
Application March 13, 1936, Serial No. 68,704
13 Claims. (Cl. 129—35)



1. A loose-leaf binder comprising a base, a pair of levers pivotally mounted upon aligned axes on opposite sides of said base intermediate the ends thereof, said levers projecting toward one end of said base, a bar joining the free ends of said levers, and means cooperating with said base and directly engaging said bar for holding said bar against movement away from said base.

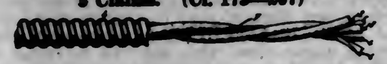
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2,120,087
**ELECTRIC LIGHT BULB**
Elliott I. Clemence, Millburn, N. J.
Original application October 1, 1935, Serial No. 43,047. Divided and this application March 5, 1937, Serial No. 129,153
7 Claims. (Cl. 176—32)



1. An electrical device comprising a glass housing including a bulb portion and a base formed with a cylindrical bore, said portion having therein a filament; lead wires connected with the filament and having parts in the bore, at least one of said parts having an end extended through the base, and convolutions formed on said end on one side of the surface of said base so as to constitute a contact.

2,120,088
**ARMORED CONDUCTOR**
George Carlson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application April 19, 1934, Serial No. 721,310
5 Claims. (Cl. 173—267)



1. A cable comprising a plurality of insulated conductors and an uninsulated conductor, means associated with said uninsulated conductor for building up the overall diameter of said conductor to substantially the same overall diameter as that of the insulated conductors, said insulated and uninsulated conductors being wound spirally together with the built-up uninsulated conductor resting in one of the valleys between the twisted insulated conductors, and a metal armor substantially completely enclosing said conductors and having a plurality of interlocked turns clamping the uninsulated conductor with sufficient force to prevent said uninsulated conductor from slipping relatively to the armor.

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2,120,089
**PROCESS OF PREPARING OIL COMPOSITIONS**
Paul B. Cochran, Parlin, and Robert T. Hucks, South River, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Continuation of application January 20, 1933, Serial No. 652,883. This application January 31, 1936, Serial No. 61,744
8 Claims. (Cl. 134—79)

2. Process comprising kneading a semi-plastic solid-gelled non-drying vegetable oil for about one hour, stopping the kneading treatment when the oil has changed from a translucent mass to a yellow opaque mass, and before substantial change in consistency has occurred, feeding a cellulose derivative into the mass at this stage while continuing the kneading, and kneading the mass further until the cellulose derivative is uniformly dispersed in the solid-gelled oil, and then physically dispersing the mixture in a solvent mixture for the cellulose derivative.

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2,120,090
**PISTON**
Ray E. Day, Detroit, Mich.
Application July 15, 1935, Serial No. 31,438
Renewed November 1, 1937
1 Claim. (Cl. 309—11)



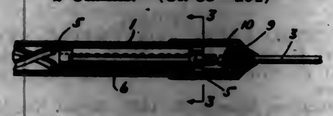
A piston comprising a head, a pair of opposite bosses carrying supports depending from the head, a pair of opposed arcuate skirt sections separated from each other and from said head, said sections being circumferentially continuous across their bearing faces, a pair of struts integrally joining each skirt section and said supports and



having inwardly converging portions extending substantially from the outer edges of the skirt section, said converging portions terminating in bends and inwardly diverging portions extending from the bends to the outer sides of the boss carrying supports, said diverging portions of each pair of struts being arranged at such an angle relative to each other as to effect by toggle action a tendency to draw the skirt sections inwardly when said boss carrying supports tend to move apart as a result of thermal expansion of the head, and each skirt section having an integrally formed inwardly projecting rib connecting said converging strut portions for resisting any tendency of the struts to increase the radius of curvature of the skirt section upon exerting said toggle action.

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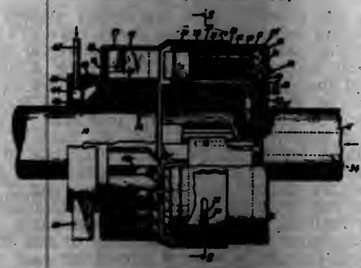
2,120,091
**FOGLESS MIRROR FOR DENTAL AND LIKE USES**
Ulysses G. Denston, Haddon Heights, N. J.
Application December 22, 1936, Serial No. 117,142
2 Claims. (Cl. 88—104)



1. In an instrument of the type recited the combination of a head and its shank of heat conducting material, said head having a mirror, a stem, a grooved sleeve mounted in the stem, and of electrically insulating and heat conducting material, a resistance conductor mounted in the grooves of the sleeve, circuit connections extending through one end of the stem and connected to the conductor, a rod of heat conducting material mounted in the sleeve and projecting through the other end of the stem, a coupling connecting the rod and shank and of heat conducting material, and a cap covering the coupling and engaging the stem.

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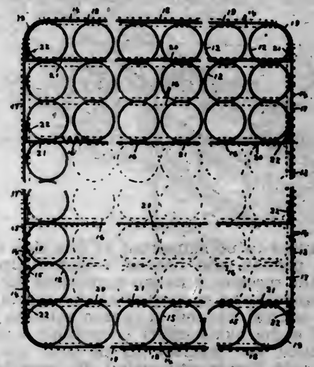
2,120,092
**CLUTCH**
John H. Doran, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application August 6, 1936, Serial No. 94,623
11 Claims. (Cl. 192—67)



1. Clutch arrangement including the combination of two shafts, a clutch including a toothed half secured to one shaft and another toothed half secured to the other shaft, means for automatically effecting engagement of the two halves during rotation of the shafts to mechanically connect them in response to a certain speed relation of the shafts, said means including an axially movable element disposed within one of the halves, a pressure chamber formed in said half, and means for automatically building up fluid pressure in the chamber in response to decreasing relative speeds between the two halves.

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2,120,093
**SPRING FILLING CONSTRUCTION FOR MATTRESSES AND CUSHIONS**
William B. Foster, Utica, N. Y., assignor to Foster Brothers Manufacturing Company, Utica, N. Y., a corporation
Application January 15, 1936, Serial No. 59,266
2 Claims. (Cl. 5—260)



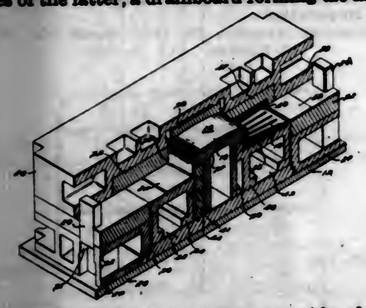
1. In a spring filling construction for mattresses and cushions, the combination of a plurality of coiled springs arranged on end side by side, means flexibly connecting said springs, a border for the top and a border for the bottom, each border extending along the side and end edges of the construction and consisting of two U-shaped wire frame members, each comprising a long central portion extending along one side of the filling and end portions at right angles thereto and parallel to each other and extending part way along the opposite ends of the filling, the end portions from said two border members overlapping each other at both ends of the filling, lengths of resilient spiral wire extending severally along, and encircling the opposite sides and ends of the wire border frame members and encircling the adjacent parts of the terminal coils of the border springs, the length of spiral wire at each end of the border frames encircling both of the overlapping end portions of two co-operating border frame members, and, on the end portions of the border frame members, projections extending inwardly of the border and substantially in the plane thereof and into the spaces between adjacent coils of said spiral wire whereby the two co-operating border frame members may be adjusted and held in any one of several positions relative to each other.

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2,120,094
**APPARATUS FOR MAKING SINKS**
Vincent J. Graf, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application June 8, 1935, Serial No. 25,566
5 Claims. (Cl. 113—49)

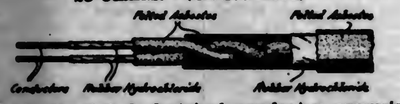
1. A die block assembly for performing a stamping operation on sheet metal sink blanks each having in its completed form a basin and a drainboard portion located alternately on the

right hand or left hand side of said basin, comprising upper and lower die blocks having cooperating basin engaging die members, one of said die members having a central supporting portion terminating at its outer end in a recess engaging die portion fitting the bottom and side wall contour of the sink basin, said last named portion having extensions beyond opposite sides of the central portion to provide recesses at opposite sides of the latter, a drainboard forming die mem-



ber adapted to be supported at one side of said central portion and having a part fitting into one of the recesses, a flange supporting die member adapted to be supported at the opposite side of said central portion in spaced relation thereto, and a die block insert cooperable with said last-named die member to fit into the other recess, said flange supporting die member and block insert as a unit being interchangeable with said drainboard forming die member at opposite sides of the recess engaging die member.

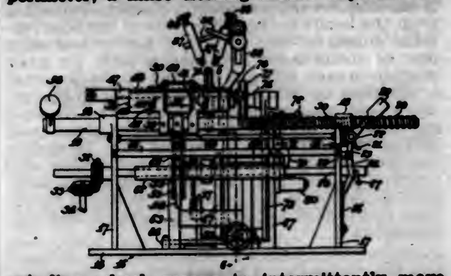
2,120,095
**INSULATED ELECTRICAL CABLE**
John W. Greenleaf, Hamden, Conn., assignor to Rockbestos Products Corporation, a corporation of Massachusetts
Application October 24, 1935, Serial No. 46,483
23 Claims. (Cl. 173—264)




1. An insulated electrical conductor comprising a metallic conductor insulated by a plurality of surrounding layers of insulating media one of which is a relatively thin layer of rubber hydrochloride in such intimate contact with an adjacent layer of asbestos that the contacting fibers of asbestos are at least partially embedded in and tenaciously adhere to the rubber hydrochloride.

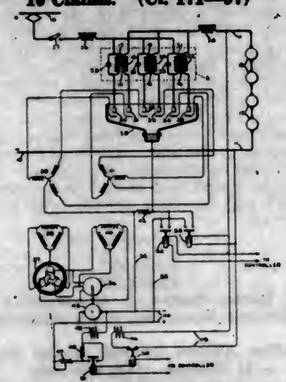
2,120,096
**KNIFE SHARPENING MACHINE**
Ward B. Hausman, Philadelphia, Pa.
Application April 9, 1936, Serial No. 73,432
5 Claims. (Cl. 51—72)

1. In combination, a machine frame including a pair of supplementary standards, a shaft rotatably and slidably mounted on said supplementary standards, a grinding wheel supporting frame fixed to said shaft, means coacting with the grinding wheel supporting frame to oscillate the latter, means to urge said shaft longitudinally in one direction, means to move said shaft in the opposite direction whereby the grinding wheel supporting frame can be adjusted laterally, a grinding wheel shaft journalled in said grinding wheel supporting frame, means to drive said grinding wheel shaft, a grinding wheel mounted on the last named shaft and having a V-shaped perimeter, a knife holding means adjacent the



grinding wheel, means to intermittently move said knife holding means crosswise of the grinding wheel, and means to reciprocate said knife holding means.

2,120,097
**ELECTRIC VALVE CONVERTING SYSTEM**
Carl C. Hernlund, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 20, 1937, Serial No. 132,152
10 Claims. (Cl. 171—97)



10. An electric valve converting system for supplying constant current direct current to an inductive load from a constant potential direct current source of energy comprising a multilegged energy storage and transfer device having a pair of windings on each of the legs thereof, electric discharge apparatus providing a controlled electric discharge path for each of said windings, means for interconnecting one of the windings on each of said legs together with their associated electric discharge paths to one of said direct current circuits, means for interconnecting the remaining windings and their associated electric discharge paths with the other of said direct current circuits, a control circuit for said electric discharge paths, an alternating current generator for energizing said control circuit, a motor for driving said alternating current generator, said motor being provided with two field windings, means for supplying energy to one of said field windings, means for reducing the energy normally supplied to said field winding, and means interconnecting said other field winding so as to be energized from said constant current circuit.

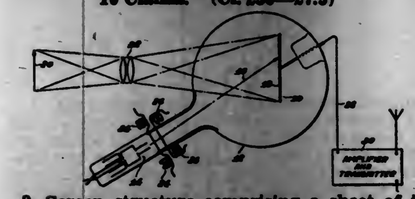


2,120,098
**TRUCK WHEEL**
Christian J. Hug, Highland, Ill.
Application November 19, 1936, Serial No. 111,590
2 Claims. (Cl. 295—8.5)



2. A vehicle wheel having a hub, a pneumatic wheel component and a steel track wheel component carried by said hub in juxtaposed relation, a ring plate mounted for vertical movement between the pneumatic wheel and the track wheel, said track wheel component having a flangeless concave tread, and spring means bearing against said ring plate to hold the same yieldingly against the steel track wheel.

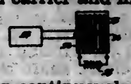
2,120,099
**MOSAIC SCREEN STRUCTURE**
Harley A. Iams, Berkley Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1933, Serial No. 663,451
Renewed August 21, 1936
10 Claims. (Cl. 250—27.5)



3. Screen structure comprising a sheet of insulating material provided on a surface thereof with electrically-conductive material having intersecting grooves therethrough to form over said surface a mosaic comprising a plurality of individual elements of the electrically-conductive material each insulated from the others by the insulating material of said sheet, said elements being photosensitive, said sheet being provided on the other side thereof with a layer of electrically-conductive material insulated from each of said elements by the insulating material of said sheet and providing an operating electrode common with respect to said elements and which constitutes, with each of said elements and the intervening insulating material of said sheet, a condenser.

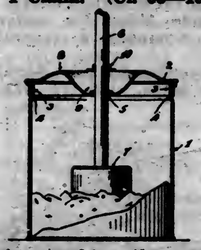
2,120,100
**INDICATOR DEVICE**
Hans Illgen, Dresden-A, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application October 26, 1934, Serial No. 750,210
In Germany December 4, 1931
1 Claim. (Cl. 201—48)

In a device of the character described, including an electric circuit, a wire resistance in said electric circuit mounted on a stationary flat support to present serially connected straight wire sections which are parallel to each other, a carrier, two diametrically opposed contact members mounted on said carrier and insulated from each



other, means for continuously rotating the carrier with uniform speed to move said contact members in circular paths over the straight wire sections of said resistance, whereby the potential between said contact members is varied substantially along a sinusoidal curve.

2,120,101
**WASHING MACHINE**
Henry G. Kuck and Theodore J. Abele, Peoria, Ill.
Application December 10, 1936, Serial No. 115,093
1 Claim. (Cl. 68—19)



In a washing machine, the combination of a cylindrical vessel for receiving the materials to be treated, the same having an annular shoulder in its wall extending into the space of said vessel at a position spaced from the upper edge of its open end, a lid or cover having a broad depending flange snugly engaging the inner wall of said vessel above said shoulder and abutting at its extremity upon the same, said lid having a basin-like central depression directed toward the bottom of the vessel and provided centrally with a dolly-stick opening, and a dolly having an operating stick adapted for reciprocation in said opening.

2,120,102
**MECHANICAL ANIMAL**
Josef Kurelic, Philadelphia, Pa.
Application October 8, 1937, Serial No. 167,876
5 Claims. (Cl. 280—1.17)



1. A mechanical animal, comprising a hollow animal figure of rigid material and having the neck portion and legs thereof flexibly jointed, a

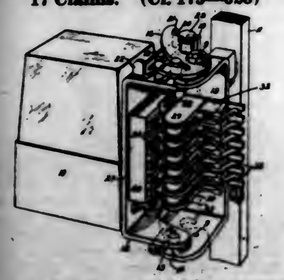
frame mounted within said figure and consisting of rigid front and rigid rear sections swivelly connected at the neck portion of the figure so that the neck portion may bend to steer the device, a handle connected with the front frame section, a seat for a person mounted on the rear frame section, a drive shaft on the rear frame section, foot pedals for turning said drive shaft, a transverse rear crank shaft mounted on said frame, a transverse front crank shaft mounted on said frame, drive means for connecting the drive shaft with the rear shaft, drive means for connecting said rear and front drive shafts and including a flexible coupling at the junction of the front and rear frame sections, and a leverage system for bending and moving the front and rear legs operated from said front and rear shafts, casters being mounted upon the bottoms of the legs of the figure, and ratchets being arranged on the bottom of the legs in the vicinity of the casters to restrain rear motion of the legs.

2,120,103

**DEVICE MOUNTING**

Leonard J. Linde, Aldan, Pa., assignor to General Electric Company, a corporation of New York

Application December 28, 1934, Serial No. 759,557
17 Claims. (Cl. 173—328)



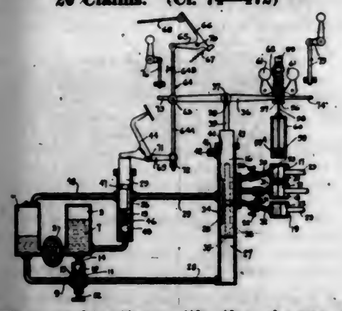
16. In combination, a device, a support for said device, and means for pivotally attaching said device to said support for a given angular movement about a given axis including means engageable by the device in response to a predetermined rotary movement thereof for effecting a translatory movement of the pivotal axis of the device until said pivotal axis coincides with said given axis.

2,120,104

**AUTOMATIC TRANSMISSION CONTROL**

William T. Livermore, Westfield, N. J.

Application April 7, 1932, Serial No. 603,823
20 Claims. (Cl. 74—472)



1. The combination with the change speed mechanism of a vehicle of a throttle operator, means for actuating said mechanism to alter the speed of the vehicle, a selector valve in said actuating means, a control member for operating said valve, means operated by the speed of the vehicle for actuating said control member, and a connection from the throttle operator to said control member whereby said control member and valve are moved to various positions to alter the speed of the vehicle in accordance with the position of the throttle and the speed of the vehicle.

2,120,105

**HAT AND METHOD FOR PREPARING THE SAME**

Harry G. Macintosh, Montclair, N. J.

No Drawing. Application September 10, 1936, Serial No. 100,157
8 Claims. (Cl. 92—55)

8. The method of making a hat comprising in the presence of a caustic fluid reducing fur to a colloidal state in said fluid, adding zinc oxide and a compound of the group consisting of ammonium polysulphide and sulphur chloride to form an agglomerating agent in situ, and depositing the particles on a form.

2,120,106

**SIGN**

Raymond L. Marten, St. Louis, Mo.

Application February 27, 1937, Serial No. 128,111
7 Claims. (Cl. 40—142)



1. A sign comprising a substantially upright member, a series of horizontally elongated reflector plates secured, one above another, at the upper edges thereof, to said member, said plates being inclined downwardly toward their lower edges which are spaced forwardly of said member, the lower edges of said plates being disposed in an inclined plane sloping downwardly and rearwardly, rearwardly directed flanges formed on said plates adjacent the lower edges thereof, sign characters, and means detachably connecting the characters to said flanges with the characters disposed in the sloping plane defined by the lower edges of said plates.

2,120,107

**FOOTWEAR**

Nicholas W. Mathey, Boston, Mass.

Application June 2, 1937, Serial No. 145,954
9 Claims. (Cl. 12—146)

1. A shoe stiffener blank which is substantially inextensible in one direction but which is stretchable and permanently elastic in a direction substantially at right angles thereto, said blank comprising a normally stretchable elastic layer and substantially parallel relatively inextensible cords united to the elastic layer, said cords opposing stretch of the blank in one direction but freely



separating from each other when the blank is subjected to stretching stress in a direction transverse of the cords.

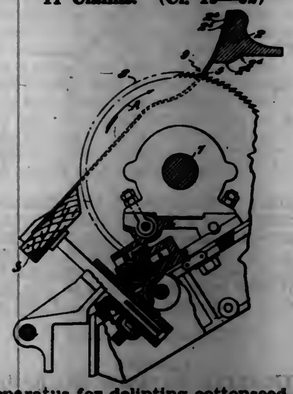


2,120,108

**APPARATUS FOR LIBERATING USEFUL FIBERS**

Robert Walter McLean, Bridgewater, Mass., assignor to Carver Cotton Gin Company, East Bridgewater, Mass., a corporation of Massachusetts

Application May 11, 1935, Serial No. 20,952
11 Claims. (Cl. 19—62)



1. Apparatus for delinting cottonseed comprising a grate-fall and a rotating saw cylinder having blades turning in slots in the grate-fall, the width of each such slot, adjacent to the ginning point where the saw teeth pass downwardly through the grate-fall, not exceeding the width of the slot at other points, a transversely continuous terminal element for each of said slots, each such terminal element having walls converging toward the extreme end of the slot, and means for rotating the cylinder relatively to the grate-fall, the parts being so arranged that the tips of the saw teeth move between said convergent walls of the respective terminal elements and pass the extreme ends of the respective slots as defined by said terminal elements at a distance of the order of one-sixteenth inch, thereby at all times to keep the ends of the slots clear of accumulations of material.

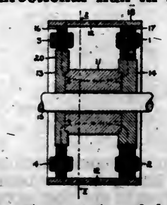
2,120,109

**INDUCTOR DYNAMO-ELECTRIC MACHINE**

Frank W. Merrill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application July 23, 1936, Serial No. 91,924
3 Claims. (Cl. 171—269)

1. An inductor dynamo machine unit comprising, a pair of inductor machines each having cooperating stator and rotor elements, said stator and rotor parts being placed side by side with the rotors on the same axis, said stator elements being formed of laminated magnetic material and being provided with alternating-current windings, said rotor elements being formed of magnetic material and having polar salients, a magnetic connection between the outer peripheries of said stator parts and a magnetic connection between the inner portions of said rotor parts, one of said magnetic connections including an annular permanent magnet for producing a homopolar unidirectional flux in series between



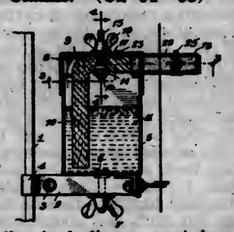
the stator and rotor parts of both machines, the active flux path between stator and rotor measured in a peripheral direction at the air gap being materially greater in one machine than in the other machine, and the axial dimensions of the magnetic pole portions of said machines being different to the extent and in a direction to make the active flux path area between stator and rotor in both machines substantially the same.

2,120,110

**YARN OILER FOR CONING MACHINES**

Michael Morrell, Brooklyn, N. Y., assignor to Benjamin Brenner, Harry Brenner, Frank De Nicholas, and Michael Morrell, all of Brooklyn, N. Y.

Application March 4, 1937, Serial No. 128,934
5 Claims. (Cl. 91—38)



1. A yarn oiler including a container adapted to receive a quantity of oil, a felt extending from said container and arranged so that one end will be submerged in said oil and the other end slit at the part extending beyond the container, said slit part presenting a pair of jaws through which a yarn is adapted to pass as oil is applied thereto by the felt, a stationary holder for one of said jaws, means for connecting the stationary holder to the jaw mounted therein, a swinging holder, means for connecting the other jaw to said swinging holder, means including a spring for forcing said swinging holder toward the opposite holder, and thumb actuating means for moving said swinging holder against the actuation of said spring.

2,120,111

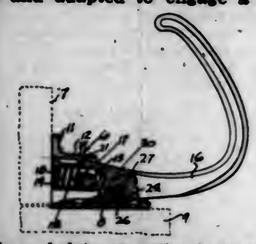
**CLOSURE FASTENER**

Tomlinson I. Moseley, San Francisco, Calif., assignor to Dalmo Sales Corporation, San Francisco, Calif., a corporation of California

Application May 25, 1935, Serial No. 23,340
3 Claims. (Cl. 292—114)

1. A closure fastener comprising a casing for attachment to a closure, a latch having one end

portion of the same extending into said casing and having an exterior portion shaped in the form of a handle, a portion formed on one side of the latch and adapted to engage a stationary



strike, a pin and slot connection between the casing and said latch, and a compression spring disposed within said one end portion of the latch and serving to oppose outward movement of the latch relative to the casing.

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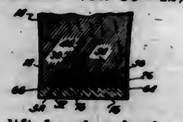
2,120,112

**DETACHABLE SHOE HEEL LIFT**

Edmund R. Nebeling, Woodhaven, N. Y.

Application March 29, 1934, Serial No. 717,961

1 Claim. (Cl. 36—42)



A detachable lift for shoe heels comprising in combination, a shoe heel, a lift therefor, and a two-part fastening means for said lift, one part of said fastening means being carried by the shoe heel and including a housing, a tongue projecting from said housing, the other part of said two-part fastening means being carried by the lift and including a rigid plate having a portion thereof removed to permit of the afore-mentioned projecting tongue of the housing of the other part of the fastening means to engage the lift to prevent turning or sliding movement thereof relative to the shoe heel, studs on the plate penetrating the housing, a locking plate slidably mounted in the housing and having edgewise locking engagement with the studs and cooperating means carried by the plate and an element within the housing for securing the plate against accidental sliding movement.

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2,120,113

**METHOD OF ASSEMBLING AN OIL SEAL RING**

William Novey and John C. Tromba, Torrington, Conn., assignors to The Fitzgerald Manufacturing Company, Torrington, Conn., a corporation of Connecticut

Original application July 11, 1936, Serial No. 90,697. Divided and this application October 9, 1936, Serial No. 104,782

2 Claims. (Cl. 29—148)



1. The method of assembling an oil seal ring of the character described, which consists in first forming a hold ring by stamping a strip of metal having pointed teeth along one edge from sheet material, and then bending the strip into ring form, then forming a cup shaped casing member by metal stamping operations, positioning the hold ring in the cup shaped member, assembling a flexible washer and garter spring within the cup shaped member with the flexible washer engaging the edge of the hold ring having the teeth, placing an end wall member over said flexible washer, subjecting said end wall to pressure to force the washer into intimate engagement with the edge of the hold ring having the teeth, and then bending over the free edge of the cylindrical wall of the cup shaped member to maintain the parts in assembled relationship.

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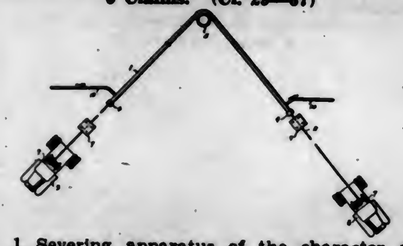
2,120,114

**APPARATUS FOR SEVERING PIPE**

Hugh L. Patton, Houston, Tex.

Application August 27, 1936, Serial No. 98,197

6 Claims. (Cl. 29—67)



1. Severing apparatus of the character described comprising a flexible friction line, means for reciprocating the line about the object to be severed, a housing through which the line operates, said housing having an opening through which the line may be exposed to the work and means for introducing a cooling fluid into the housing.

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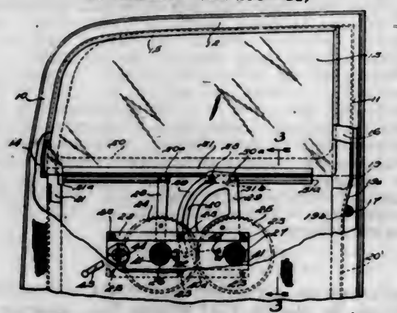
2,120,115

**VENTILATING WINDOW MECHANISM**

John H. Roethel, Detroit, Mich., assignor to Automobile Ventilation, Inc., Detroit, Mich., a corporation of Michigan

Application April 6, 1936, Serial No. 73,050

17 Claims. (Cl. 296—44)



3. A regulator mechanism for a window glass mounted in a vehicle door window opening for successive vertical and horizontal movements in its plane, comprising a pair of swinging arms connected to the lower edge of the glass for raising and lowering the same, one of said arms having cam means cooperating with a device on the window glass for shifting the latter forwardly during the downward travel of the glass and rearwardly during the upward travel thereof.



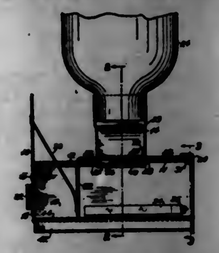
2,120,116

**DISPENSING APPARATUS**

Maurice H. Sacharow, Cleveland Heights, Ohio

Application January 6, 1936, Serial No. 57,669

10 Claims. (Cl. 221—104)



1. In a dispenser of the character described, a container arranged with its discharge end down, a shelf at the bottom of the container onto which material may be deposited from the container, said container having an opening therethrough directly above one end of said shelf, a scraper movable along said shelf toward said opening, and a depending arm operatively connected with said scraper through said opening, whereby movement of the arm may be effected in a forward direction by means of a brush projected into the dispenser, thereby causing the scraper to push material out of said opening onto the brush.

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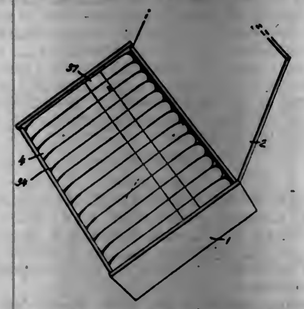
2,120,117

**DISPLAY DEVICE**

Louis E. Shaw, East Orange, N. J., assignor to Ad Art Craft, New York, N. Y., a corporation of Delaware

Application May 1, 1935, Serial No. 19,187

21 Claims. (Cl. 40—126)



1. In the art of forming a tri-dimensional plaque simulating a series of separate articles to be displayed, the method which consists in producing a flat unembossed blank of a size and configuration equal to the sum of the upper surfaces together with the associated sides and ends of the simulated articles, slitting the blank along the midportion of the lines which in the finished plaque define the bends connecting adjacent sides, leaving short lengths of connecting material between said sides at opposite ends of said lines, moistening the blank and subjecting the blank to a die press action, to fold over with the slits at the bends of the fold and gather the portions of the blank forming the sides and ends while subjecting them to pressure and heat to form the representations of the sides and ends of the several articles simulated.

2,120,118

**MANUFACTURE OF CLEVISES AND THE LIKE**

Alexander M. Smith, Kent, Ohio, assignor to The Lamson & Sessions Company, Cleveland, Ohio, a corporation of Ohio

Application December 5, 1934, Serial No. 756,696

9 Claims. (Cl. 29—152)



1. The method of making a clevis or the like which comprises applying endwise pressure to a length of solid bar stock and thereby extruding opposite ends of the stock into die openings of smaller cross-section than the stock whereby metal is displaced from said ends to provide the stock with an increased body of metal at an intermediate point, pressure shaping said body of metal whereby at least a portion of the metal thereof forms a boss, and then bending extending portions of the blank toward each other.

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2,120,119

**STABILIZED LUBRICATING OIL**

Waldo L. Steiner, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

No Drawing. Application January 20, 1933, Serial No. 652,696

12 Claims. (Cl. 87—9)

1. A lubricant comprising in combination a hydrocarbon oil, an addition product of acidic nature and a small quantity of an organic base.

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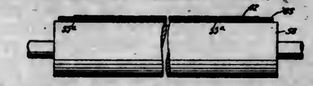
2,120,120

**METHOD OF MAKING RIBBED SEPARATORS**

Leland E. Wells, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia

Application July 17, 1934, Serial No. 735,719

4 Claims. (Cl. 136—148)



1. The method of making ribbed separators which comprises forming on a porous strip a rubber gel from a dispersed rubber solution, folding the strip at intervals with the gel-coated sides of the folds in adhering relation, and vulcanizing the gel so as to form microporous rubber.

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2,120,121
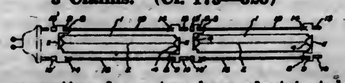
**MOUNTING FOR A TWO-BASE ELECTRIC TUBULAR LAMP**

Kurt Wiegand, Berlin-Neu-Tempelhof, Germany, assignor to General Electric Company, a corporation of New York

Application December 23, 1935, Serial No. 55,924

In Germany January 23, 1935

3 Claims. (Cl. 173—328)



1. A mounting for a two-base electric tubular lamp comprising a base for each end of the lamp, contact pins secured to one of said bases, contact clips electrically connected to said contact pins and secured to said one of said bases, contact

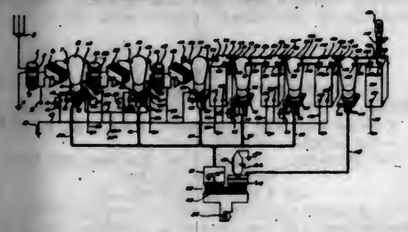
sleeves secured to the other of said bases, contact clips electrically connected to said contact sleeves and secured to said other of said bases, a contact plate secured to each of said bases for connecting the two ends of said lamp, a contact clip connected to each of said contact plates and secured to said bases, a cap of insulating material for covering each end of the lamp, and rods secured to said caps forming a unitary structure and having bared ends for connecting said last named contact clips to one of said first named contact clips whereby electrical connection is completed to said contact plates.

2,120,122

## HIGH FREQUENCY AMPLIFIER AND CIRCUIT THEREFOR

Arno Zilliger, Narberth, Pa., assignor to National Television Corporation, Wilmington, Del., a corporation of Delaware

Application September 13, 1933, Serial No. 689,256
4 Claims. (Cl. 179—171)



3. An amplifier for high frequency oscillations comprising a plurality of amplifying tubes, each of said tubes having grid and plate terminals provided at one end of the tube spaced from the other terminals for said tube, coupling units between said tubes, said coupling units being substantially as large as the tubes and having the terminals for the plate terminal of one tube and the grid terminal of the next positioned at one end of the unit while the other terminals are positioned at the opposite end of the unit, and means to position said tubes and coupling units so that the connections between the grid and plate terminals of said tubes and said units are maintained substantially at the level of the top of said tubes.

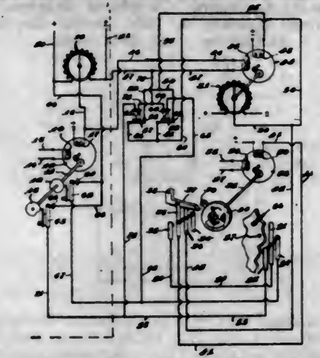
2,120,123

## SYSTEM FOR REGULATING CONTROLLERS

Carl H. Bissell, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York

Application April 28, 1937, Serial No. 139,552
4 Claims. (Cl. 172—293)

1. In a regulating system of the class described, the combination of a voltage regulating device, a motor connected to said device and being operable to actuate said device to vary the voltage of the output circuit thereof, said motor having a driving coil connected to a feed circuit and a second coil acting to effect rotation of said motor in reverse direction connected to the output of said device, a controller including a driving motor having a braking coil connected in circuit with the output of said device and applying a predetermined braking force less than the driving force of said motor, said last mentioned circuit including a normally closed switch, means operated by said controller to periodically open said switch and to apply full braking voltage to said braking coil to stop said motor, and switch means periodically operated independently of said controller to disconnect said coil from said full voltage



circuit and permit said motor to operate said controller.

2,120,124

## OIL COMPOSITIONS

William H. Butler, Palisades Park, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 22, 1936, Serial No. 117,149
12 Claims. (Cl. 134—26)

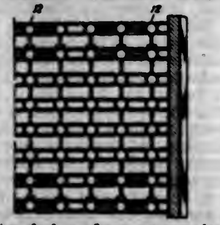
1. Process of preparing a composition convertible by heating to a rubber-like gel which comprises forming an oil-soluble heat-reactive condensation product of a phenol with an aqueous aldehyde in equimolecular or greater proportions and in the presence of not more than one-fifth mol. of a basic catalyst, said condensation product being in an intermediate stage of reaction with a melting point at or above 50° C. and a reactivity such as to set to a state where it does not melt at 160° C. when heated for a period of from one to ten minutes, and blending about two parts of the resin with from one to forty parts of a blown oil, the composition in the gel form being characterized by uniformity of hardness in film thicknesses in excess of two-thousandths of an inch.

2,120,125

## FLUID HEAT EXCHANGE APPARATUS

Perry R. Cassidy, Short Hills, N. J., Isaac Harter, New York, N. Y., and Howard J. Kerr, Westfield, N. J., assignors to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application January 20, 1934, Serial No. 707,442
Renewed June 9, 1936
20 Claims. (Cl. 257—220)



1. In an extended surface economizer, a heating gas flue, water tubes in the flue, and transverse metal bars welded to opposite sides of the tubes, the tubes being arranged in rows extending transversely of the flue with the bars of the tubes of a row disposed between parallel planes transverse to the flue and bounding the tubes of the row, and the bars on successive tubes along the path of gas flow being disposed in staggered relationship.

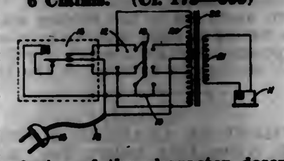


2,120,126

## POWER TRANSLATING DEVICE

Gerard McL. Cole, Chicago, Ill., assignor of one-half to Charles H. Humes, Chicago, Ill.

Application February 15, 1937, Serial No. 125,759
6 Claims. (Cl. 175—365)



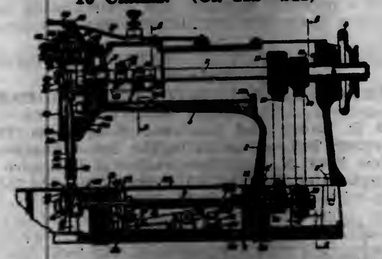
6. In a device of the character described for use with a direct current source of supply, the combination of a circuit interrupter, a transformer having a tapped input winding and a secondary winding, a multi-pole, double-throw switch so arranged as to connect said circuit interrupter across either a portion of, or all of the input winding of said transformer, a resistor so connected in series with the actuating coil of said circuit interrupter and to said switch that said resistor will be rendered inoperative when said switch is in the position which connects said circuit interrupter across a portion of the input winding of said transformer.

2,120,127

## SEWING MACHINE

George A. Fleckenstein, Stratford, and Max L. Waterman, Fairfield, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application June 19, 1935, Serial No. 27,300
16 Claims. (Cl. 112—241)



1. A take-up mechanism for sewing machines comprising a rotatable shaft, cranks carried by said shaft, a pair of rock-shafts arranged on opposite sides of and parallel to said rotatable shaft, take-up levers fixed to said rock-shafts, and mechanism for operatively connecting said cranks with said rock-shafts.

2,120,128

## RADIATOR CLEANING COMPOSITION

Benjamin Gallsworthy, Glenham, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application August 27, 1934, Serial No. 741,741
4 Claims. (Cl. 87—5)

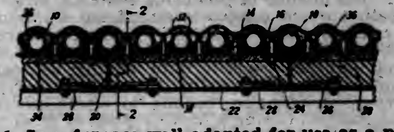
2. A radiator cleaning composition consisting essentially of a preformed concentrated emulsion of water in kerosene containing sodium metasilicate and the sodium soap of acids of oxidized paraffin wax, the composition being adapted to be added directly to the circulating water of an internal combustion engine cooling system to form a dilute emulsion of cleaning effectiveness therewith.

2,120,129

## FURNACE

Ralph M. Hardgrove and Reife Shellenberger, Westfield, N. J., Lewis W. Heller, New York, N. Y., and Russell L. Gedshalk, Akron, Ohio, assignors to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application June 24, 1936, Serial No. 86,896
10 Claims. (Cl. 122—6)



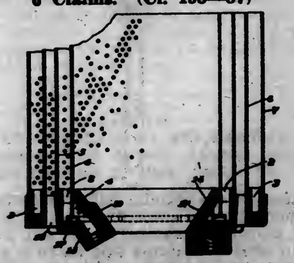
1. In a furnace wall adapted for use as a part of a steam boiler or other fluid heat exchange apparatus, an inner wall construction including spaced wall tubes having transverse extended surface elements welded thereto, an outer metallic structure, ceramic refractory material presenting a furnace face and positioned between the tubes and also between the elements, heat insulation material between the outer structure and the inner wall, and transverse tension means each secured to a plurality of extended surface elements on adjacent tubes and extending through said insulation material for bonding the wall elements together.

2,120,130

## OIL BURNER

James B. Harrington, Dorchester, Boston, Mass., assignor to The Waverly Heating Supply Co., Boston, Mass., a corporation of Massachusetts

Continuation of application Serial No. 700,898, December 2, 1933. This application January 28, 1936, Serial No. 61,157
6 Claims. (Cl. 158—87)



2. In an oil burner, the combination with a burner base having a circular oil groove therein, of a pair of perforated sleeves supported on said base and extending upwardly from said groove, said sleeves being spaced apart and cooperating with said groove to provide a combustion chamber, the inner of said sleeves extending downwardly into the space in said groove occupied by the oil during the starting of the burner and dividing said groove into an inner oil vaporizing and distributing section and a combustion section, said sleeve and said base being constructed and arranged to facilitate the efficient transmission of heat from the upper portion of the sleeve

into the lower margin thereof so that said lower margin will be maintained at a considerably higher temperature than the base and will thereby serve to vaporize the oil in said groove during the starting of the burner, and means for conducting oil into said inner section of said groove.

2,120,131
**PROCESS OF MAKING CRYSTALLINE MENTHOL**

Morton Harris, Birmingham, Ala., assignor, by mesne assignments, to Theodore Swann, Birmingham, Ala.

No Drawing. Application October 17, 1936, Serial No. 106,195
6 Claims. (Cl. 260—153)

1. The method of producing synthetic U. S. P. menthol which comprises esterifying a mixture of crude synthetic menthols by heating with from 110% to 130% of the theoretical amount of the required benzoic acid to form menthyl benzoate, condensing and collecting the water vaporized during esterification, cooling to crystallize out that fraction having a melting point of from 51° to 53° C., saponifying said fraction, and recrystallizing.

4. In a process of producing synthetic menthol, the step of hydrolyzing menthyl benzoate which comprises reacting caustic soda in aqueous solution with the menthyl benzoate at a temperature of from 180° to 220° C. and a pressure of from 120 to 300 pounds per square inch.

2,120,132
**METHOD AND APPARATUS FOR CLEANING WELLS**

Robert R. Hawkins, Tulsa, Okla., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application December 23, 1936, Serial No. 117,292
7 Claims. (Cl. 255—24)



1. A method of cleaning out a well which comprises mechanically loosening up the detritus in the well, causing a chamber in the well to be filled with said detritus, forcing said detritus from said chamber to the surface by means of artificially produced gas pressure and repeating this cycle of operations until the well has been thoroughly cleaned.

2,120,133
**WALL AND ARCH CONSTRUCTION**

Anthony M. Kohler, New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application January 22, 1935, Serial No. 2,863
Renewed November 13, 1937
14 Claims. (Cl. 72—101)

11. A furnace construction including cellular insulating firebrick which can be pierced without fracture, external holding means, and lightweight metallic tying members having their

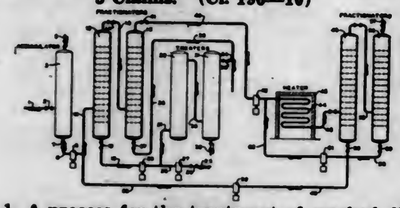


outer ends anchored to the holding means, said members having at their opposite ends transverse brick impaling projections which are forced into the brick during the building of the furnace.

2,120,134
**TREATMENT OF CRACKED DISTILLATES**

Wayne E. Kuhn, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application January 8, 1937, Serial No. 119,540
5 Claims. (Cl. 196—10)

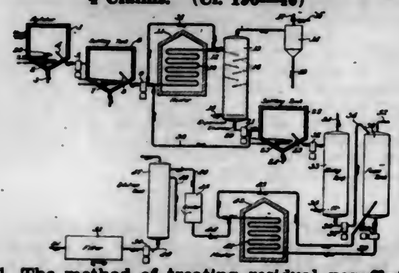


1. A process for the treatment of cracked distillates, which comprises separating the distillate into lighter and heavier fractions, subjecting the heavier fraction to a refining operation to remove impurities, separating normally gaseous hydrocarbons from the lighter fraction, subjecting said gaseous hydrocarbons to polymerization, recovering a polymer naphtha and recirculating said naphtha to the first mentioned separation operation.

2,120,135
**METHOD OF TREATING RESIDUAL PARAFFINIC OILS**

Carl E. Lauer and Laurance V. Phillips, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application July 12, 1934, Serial No. 734,758
4 Claims. (Cl. 196—40)



1. The method of treating residual paraffinic oils for the manufacture of cylinder stocks comprising treating the oil with sulfuric acid, removing the bulk of the resultant sludge, then heating the oil to a temperature of about 450–500° F. in the absence of added agglomerating

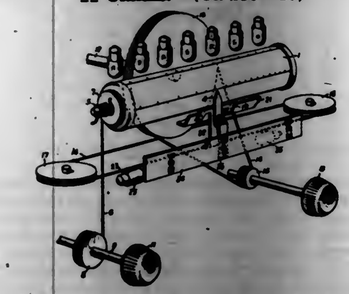


and neutralizing agents to coagulate the fine pepper-like sludge remaining in the oil and to decompose acid compounds contained therein, flashing the heated oil in an expansion chamber, separately withdrawing the volatile products of decomposition and the oil from the chamber, and settling the oil and separating the same from the coagulated sludge.

2,120,136
**INDICATING DEVICE**

Harold T. Lyman, Milford, Conn., assignor to General Electric Company, a corporation of New York

Application June 20, 1936, Serial No. 86,392
11 Claims. (Cl. 250—40)



1. The combination, in a dial mechanism for a variable tuned high frequency receiver, of an elongated dial aperture, an elongated dial visible through said aperture, an index movable along said dial in accordance with the frequency to which said receiver is tuned to respond, and means operative when said index is in any position of said dial to produce a marked maximum of change in the apparent color of the entire dial in response to a received signal when said receiver is in exact resonance with said signal.

2,120,137
**PROCESS OF MAKING LIGNO-CELLULOSE FIBER PRODUCTS**

William H. Mason, Laurel, Miss., assignor to Masonite Corporation, Laurel, Miss., a corporation of Delaware

No Drawing. Application May 14, 1932, Serial No. 611,431
13 Claims. (Cl. 92—39)

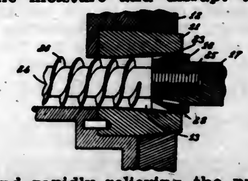
1. The process of making a hardboard product having high dry-and-wet strength from a light porous sheet of lignocellulose fiber containing the natural fiber incrustation, including the steps of drying the sheet to a bone-dry condition, and then applying pressure to the bone-dry sheet at a temperature of about 400 or 500° F. sufficient to materially consolidate and densify and impart high dry strength and high wet strength to the sheet by activation of the bonding properties of the incrusting substances.

2,120,138
**METHOD FOR PRODUCING FOOD PRODUCTS**

Clair B. Mathews, Harry W. Adams, and Earl E. Berry, Beloit, Wis., assignors to Fiakall Corporation, Beloit, Wis., a corporation of Delaware

Application December 6, 1933, Serial No. 701,120
4 Claims. (Cl. 99—81)

1. The method of processing starchy materials to produce a puffed product which includes the step of passing uncooked comminuted material between spaced surfaces of such proximity as to generate a high pressure and temperature to vaporize the moisture and disrupt the starch

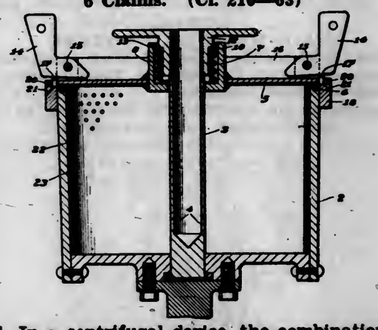


granules and rapidly relieving the pressure on the material as it emerges from said surfaces to cause the same to expand to produce a dry, crisp product.

2,120,139
**CENTRIFUGAL SEPARATOR**

John F. Tholl, Needham, Mass., assignor to American Tool & Machine Co., Hyde Park, Boston, Mass., a corporation of Massachusetts

Application January 18, 1936, Serial No. 59,736
6 Claims. (Cl. 210—63)



1. In a centrifugal device, the combination of a receptacle comprising a separator basket and a cover therefor, said receptacle being revolvable around its own axis at a high speed, yieldable means for holding said cover closed, and means mounted upon said receptacle for rotation therewith, and operable by centrifugal force developed by rotation of the receptacle, to control the opening movement of said cover.

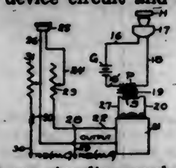
2,120,140
**SYNCHRONIZING APPARATUS**

Prentiss Boyd Agnew, Atlanta, Ga.

Application October 4, 1934, Serial No. 746,920
1 Claim. (Cl. 181—0.5)

An apparatus for comparing an operation of a master device with that of a watch and the like comprising a microphone, a microphone circuit, an amplifier, an input circuit for the amplifier, means inductively coupling the microphone circuit to the amplifier input circuit, whereby to transfer the signals set up in said microphone circuit to said amplifier input circuit, an amplifier output circuit including a receiver and connected with the amplifier, said amplifier output circuit being adapted to receive amplified signals at the frequency of the input signals, a master device circuit, and means in said master device circuit for producing signals at a predetermined frequency, said means including a rotary switch comprising a motor driven shaft, a disk keyed to the shaft, a series of circumferentially spaced arms radially projecting from the periphery of

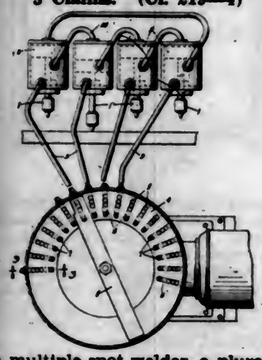
said disk and constituting a plurality of rotary contacts, a normally stationary adjustable contact positioned in the path of and adapted to be engaged by said rotary contacts, means connecting said master circuit to the output circuit of said amplifier, said means including a variable resistance whereby signals at the frequencies of said master device circuit and said microphone



input circuit are simultaneously impressed upon said amplifier output circuit, and means in connection with said switch for circumferentially adjusting said stationary contact with respect to said rotary contacts for the purpose of shifting the signal frequencies of the master device circuit into and out of phase with the signal frequency of the amplifier output circuit.

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**2,120,141**
**AIR-O-MATIC SPOT WELDER**
**Edward G. Biederman, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware**
**Application August 27, 1936, Serial No. 98,217**
**5 Claims. (Cl. 219—4)**

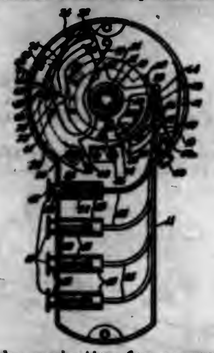


5. In a multiple spot welder, a plurality of sets of electrodes, a plurality of cylinders and pistons, one cylinder and piston connected to each set of electrodes for bringing them together and separating them, means for supplying fluid under pressure, a distributor in the form of a stationary member provided with a plurality of ports and a moving member charged with compressed fluid which passes over the said ports to deliver shots of compressed fluid to each port, the said ports having connections with the cylinders arranged to, in proper sequence, deliver a charge of fluid to move the piston of one cylinder to separate the electrodes and move the piston of another cylinder to bring the electrodes together.

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**2,120,142**
**COMBINATION LOCK**
**Leroy S. Deal, Canton, Ohio, and Oman F. Deal, Hulbert, Mich.**
**Application January 6, 1938, Serial No. 183,652**
**7 Claims. (Cl. 70—306)**

1. In a combination lock, a knob spindle, a plurality of lock disks journaled around said knob spindle, each disk having a peripheral notch, a toothed disk adjustably connected to each lock disk, ratchet means cooperating with the toothed disks for rotating the lock disks to line up the notches therein, a locking plate fixed upon the knob spindle, a movable projection adapted to enter said notches when they are lined up, stop



means upon the projection for normally preventing rotation of the knob spindle and locking plate, and means upon the locking plate for moving the projection into said notches when they are lined up whereby said stop means is moved to a position permitting the knob spindle and locking plate to be rotated.

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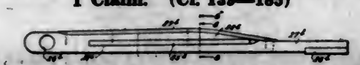
**2,120,143**
**CLOSER FOR THE LIPS OF A CORPSE**
**Roy Reginald Divel, San Clemente, Calif.**
**Application July 30, 1937, Serial No. 156,587**
**2 Claims. (Cl. 27—1)**



1. A normally flat closer for the lips of the mouth of a corpse, comprising a single piece of material, provided with elongated side portions bridging across the mouth opening and contacting the upper and lower lips, a connecting portion normally positioned at the mouth opening and joining said side portions, and prongs near the ends only of each side portion adapted to engage the inner sides of the lips of a mouth.

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**2,120,144**
**LOOM BINDER**
**Herbert I. Emmons, Methuen, Mass.**
**Application October 7, 1936, Serial No. 104,507**
**1 Claim. (Cl. 139—185)**

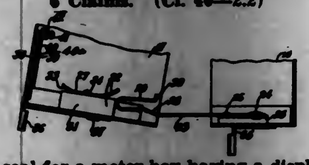


A binder for box looms comprising, in combination, an elongated wooden body; a longitudinal kerf in the body providing a spring blade having a tapered free end spaced from the other portion of the body by the kerf; a cushioning strip of sponge rubber confined within the kerf; a friction strip of flexible material on the exposed face of the blade having a tapered end extending beyond the free end of the blade and secured to the body; and wooden pegs securing the facing strip to the blade and extending into the cushioning strip to hold the cushioning strip in the kerf.

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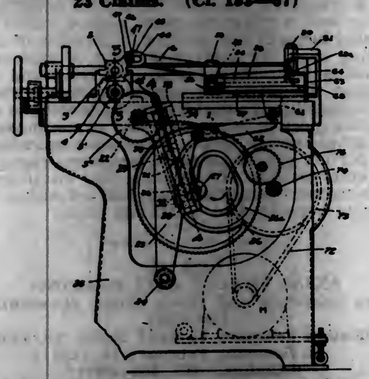
**2,120,145**
**METER CLOSURE**
**Richard W. Grace, Canton, Ohio, assignor to The Superior Switchboard & Devices Company, Canton, Ohio, a corporation of Ohio**
**Original application March 1, 1934, Serial No. 713,544. Divided and this application July 17, 1937, Serial No. 154,291**
**6 Claims. (Cl. 40—2.2)**



1. A seal for a meter box having a displaceable cover member, comprising a sealing element formed of readily breakable material having insignia visible from the outside of the box and adapted to close an opening formed in a portion of said box through which access may be had to a securing member which fastens said cover member in the closed position, and means for fastening said sealing element in position covering said opening, said means comprising a guide plate spaced inwardly from the portion of the box in which said opening is formed and adapted to permit said sealing element to be inserted between one edge of the guide plate and the adjacent portion of the box, the guide plate being cut away coextensive with said opening, and means adjacent to said edge of the guide plate for preventing removal of the sealing element.

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**2,120,146**
**SPRING WINDING MACHINE**
**Elmer W. Halvorsen and Arthur C. Nigro, Torrington, Conn., assignors to The Torrington Manufacturing Company, Torrington, Conn., a corporation of Connecticut**
**Application October 29, 1937, Serial No. 171,752**
**23 Claims. (Cl. 153—67)**



1. In a machine of the class described a rotatable winding arbor, a drive shaft carrying a cam, a gear member for rotating said arbor and an adjustable connection between said cam and gear member for imparting oscillatory movement thereto and causing said arbor to make a predetermined number of revolutions in either direction of rotation for each revolution of said drive shaft.

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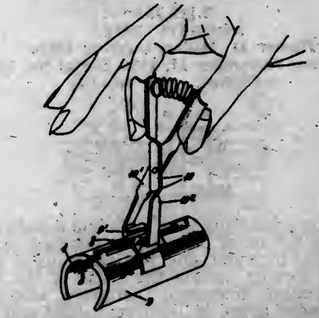
**2,120,147**
**COLLAR AND CUFF**
**Ariel H. Ide, Troy, N. Y., assignor to Jean C. Ide, Troy, N. Y.**
**Application October 12, 1937, Serial No. 168,660**
**2 Claims. (Cl. 139—385.5)**



1. A lining for a collar and cuff comprising a textile body having a fold zone, said body having woven therein a substance which is initially non-cementitious, but has the inherent property of being made cementitious, the fold zone of the lining being woven from yarns free from cementitious material.
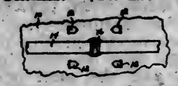
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**2,120,148**
**APPARATUS FOR PRODUCING PERMANENT WAVES**
**Simon Kalimann, Paris, France**
**Application June 15, 1935, Serial No. 26,834**
**In France January 25, 1935**
**12 Claims. (Cl. 132—36)**



1. In an apparatus for producing permanent waves, a heating element consisting solely of two hingedly connected handleless metal jaws, and a spring tending to draw said jaws towards each other, each jaw being provided with means engageable by a separate actuating device for the purpose of handling said element and operating said jaws.

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**2,120,149**
**DEVICE FOR FASTENING SHEETS**
**Louis W. Karlen, Des Moines, Iowa**
**Application March 25, 1935, Serial No. 12,886**
**3 Claims. (Cl. 129—25)**



2. In a sheet fastener, a base member having an arch cut from its area and extending above its general top surface, a means for securing said base member to a sheet, a manually bendable bar

member mounted on said base member by extending below said arch, and a projection on said bendable bar member below said arch and engaging the opening in said base member from which said arch is formed.

3. In a sheet fastener, a base member having an arch cut from its area and extending above the surface of that portion of the base member adjacent the portion from which said arch is cut; said arch and the opening in the base member from which it is formed having a decreased width near the center of their lengths, and a manually bendable bar member detachably extending below said arch.

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2,120,150

**INSULATING LINING FOR ELECTRIC LIGHT SOCKETS**

Thomas C. Marshall, Fairfield, Conn.

Application July 25, 1935, Serial No. 33,138

7 Claims. (Cl. 173—362)



1. A tubular unitary insulating lining for an electric light socket, said lining being made of flexible fibrous insulating material and having two portions of different diameters, the larger portion being expanded and the two portions being joined together by a shoulder.

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2,120,151

**AQUATIC TOY**

Homer D. Miller, Canton, Ohio

Application November 11, 1936, Serial No. 110,328

2 Claims. (Cl. 46—94)



1. A toy submarine boat including a body comprising a flat block of material adapted to normally float in water and vertical walls of sheet material located around the edges of the block and extending downward therefrom, said walls being spaced apart at their rear ends and provided with openings in their forward portions, a receptacle for a gas generating substance extending through said block to points above and below the block and having a large water inlet and discharge opening at its lower portion, and a removable cap upon the container having a relatively small opening therein.

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2,120,152

**MANUFACTURE OF FUR COATS AND THE PRODUCT THEREOF**

Harry Peet, Brooklyn, N. Y.

Application October 16, 1937, Serial No. 169,395

3 Claims. (Cl. 149—28)

1. A method of manufacturing Persian lamb furs, which consists in cutting into strips the skin of a light grey Persian lamb which is partially dark, and the skin of a dark grey Persian lamb, which is partially light, selecting all of the light grey strips and joining the same in drop fashion to form a narrow elongated piece of fur substantially of light grey color with the lightest color in the central portion thereof, selecting all of the dark grey strips and joining the same in drop fashion to form a narrow elongated piece of fur substantially of dark grey color with the darkest color in the center thereof, halving the latter, and joining each half at its darker portions to



the darker longitudinal margins of the light grey piece of fur to form a composite skin of a light grey central portion and dark grey marginal portions, and joining such composite pieces of fur having dark marginal portions and light central portions to form a garment having longitudinal alternate light and dark bands.

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2,120,153

**SIGNAL DEVICE**

Arthur E. Rittenhouse and Lloyd Rittenhouse, Honeoye Falls, N. Y., assignors to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y., a corporation of New York

Application November 30, 1936, Serial No. 113,393

5 Claims. (Cl. 177—7)



1. A signal device comprising a housing affording a resonance chamber having an opening in its top wall, a vibratable plate located within the housing beneath said opening, a plurality of supporting arms for said plate, each of said arms including horizontal portions overlying and underlying the plate and central vertical portions extending through opening in the plate, the underlying portion of one of said arms engaging the inner portion of the plate and the underlying portion of the other of said arms engaging the outer portion of the plate, and electromagnetic striker operating means located within the housing beneath said vibratable plate.

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2,120,154

**AXIAL THRUST BALL BEARING**

Georg Schildgen and Georg Wehr, Schweinfurt, Germany

Application February 13, 1937, Serial No. 125,605

In Germany February 13, 1936

6 Claims. (Cl. 308—201)

1. A one piece sheet metal ball cage adapted for use in connection with a thrust ball bearing having two relatively deeply grooved raceways facing and axially spaced a relatively short distance from each other, the diameter of the central circumference of the groove in one raceway corresponding to the diameter of the central circumference of the groove in the other raceway, said ball cage comprising a ring member having circumferentially spaced openings for receiving the balls, the portions of said ring intervening



between adjoining openings projecting towards one of the raceways and into the groove thereof, the edge portions of said ring being bent inwardly at an angle towards the balls at the side opposite said intervening ring portions, said edge portions forming tongues extending between adjoining balls.



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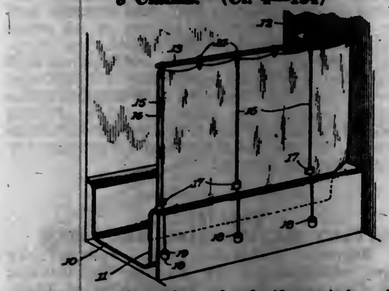
2,120,155

**BATH CURTAIN**

John W. Shera, Oak Park, Ill.

Application June 12, 1937, Serial No. 147,971

8 Claims. (Cl. 4—154)



1. The combination of a bath curtain adapted to be suspended with its lower edge adjacent the inner face of a retaining wall of a bathing receptacle, and suspended weight means adapted to hang adjacent the outer face of the wall and having a connection with the curtain to retain the same against movement inwardly of the receptacle.

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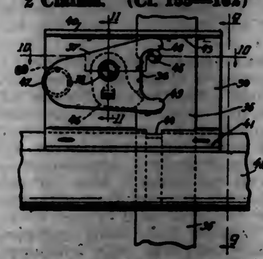
2,120,156

**VEHICLE SEAT**

Emory Glenn Simpson, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application September 7, 1935, Serial No. 39,537

2 Claims. (Cl. 155—162)



1. In a vehicle seat having a seat bottom and support therefor, a seat back pivotally mounted on the said support to swing forwardly and rearwardly above the seat bottom, seat adjuster mechanism comprising cooperating rack and pawl members, one of which is pivotally mounted on the seat back and the other of which is pivotally mounted on the seat support, the said pawl interengaging the rack member when the seat back is swung through a predetermined range to lock the seat against rearward movement in any one of a plurality of positions of adjustment, cooperating means carried by the said pawl and rack members arranged to engage when the seat back is thrown forwardly beyond the said predetermined range of adjustment to throw the pawl out of engagement with the said rack whereby said seat back may be swung rearwardly through the said predetermined range of adjustment, and a snap over center spring connected to said pawl and its support for yieldably holding the said pawl disengaged from the said rack.

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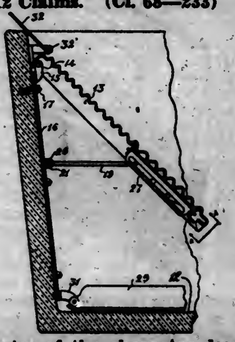
2,120,157

**WASH TUB AND BOARD COMBINATION**

George E. Sowney, New York, N. Y., assignor of one-half to Clarence J. Goodwillie, New York, N. Y.

Application August 25, 1937, Serial No. 160,770

12 Claims. (Cl. 68—233)



1. In a device of the character described, the combination of a washtub, a washboard having its upper end pivotally connected to said washtub in proximity of the upper edge thereof so as to be movable from an inoperative position where it rests against the inner surface of the washtub to a position forwardly inclined with respect thereto, and notch and brace means operatively connected to the tub and wash board and positioned in the space therebetween for setting and positively retaining said washboard in various inclined positions, said means being collapsible whereby when the wash board is in inoperative position said means is covered and shielded thereby.

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2,120,158

**EXTENSIBLE WORK SUPPORTING STRUCTURE**

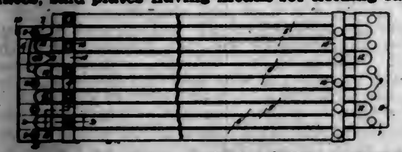
William H. Starrick, Springfield, Ohio, assignor to The Murray-Black Company, Springfield, Ohio, a corporation of Ohio

Application September 22, 1937, Serial No. 165,172

7 Claims. (Cl. 304—38)

1. In a structure of the character described, two sets of laterally spaced bars, the bars of each set being arranged between adjacent bars of the other set and projecting beyond the bars of said other set at one end of said structure, connecting

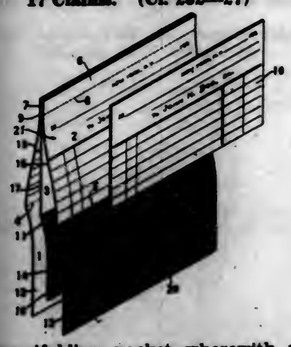
plates mounted on the projecting ends of the bars of the respective sets, means for separately securing the ends of said bars to the respective plates, said plates having means for holding said



bars and said plates against relative movement due to shrinkage, and other means for connecting the other ends of the bars of each set one to the other.

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2,120,159
MANIFOLDING PACKET
Harry Stevens, Oakland, Calif., assignor, by mesne assignments, to Pacific Manifolding Book Company, Inc., a corporation of Delaware
Application February 27, 1928, Serial No. 257,169
Renewed December 13, 1937
17 Claims. (Cl. 282—27)

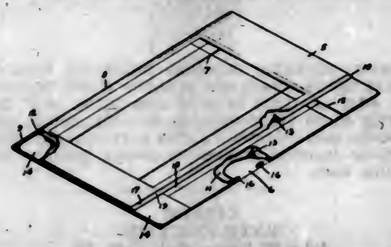


3. A manifolding packet wherewith multiple copies may be made at one inscription, including, in combination, an original record strip, a copy record strip and a transfer strip, said strips being in superposed manifolding relation to each other, and attached together at one end, said transfer strip intervening between said original and copy strips and having a fold line dividing it into leaves, said original and copy strips each having a transverse weakened line dividing each strip into leaves, said lines being in superposed registry, and adapting the original and copy strips to be folded as one to provide a pocket whereby, a record card, separate from said strips, is removable and insertable in said pocket, at will, and adapted to lie in said pocket in contact with a transfer face of a leaf of said folded transfer strip, the opposite face of said last mentioned leaf being clean and in contact with the inner face of a leaf of said original strip.

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2,120,160
MANIFOLDING PACKET
Harry Stevens, Oakland, Calif., assignor, by mesne assignments, to Pacific Manifolding Book Company, Inc., a corporation of Delaware
Application April 22, 1930, Serial No. 446,249
1 Claim. (Cl. 282—22)

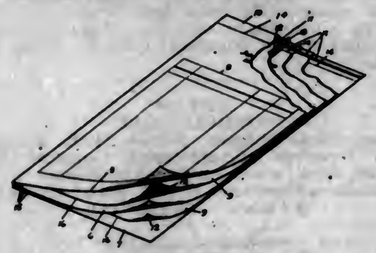
A unitary, independent, pliable manifolding assembly including, in combination, original and duplicate record leaves relatively superposed in manifolding relation with each other and having an attaching fold attaching them together along adjacent edges, a weakened severance line extending along the line of said fold and along which the original and duplicate record leaves may be severed from each other, a binding extension at the edge portion of said duplicate leaf opposite to said fold and lying in exposed position beyond the adjacent edge of said original leaf so as to provide a binding stub for filing or binding the duplicate leaf, and a transfer leaf



interleaved in transfer relation with said original and duplicate record leaves so as to transfer inscriptions to the duplicate leaf, said transfer leaf having a binding extension at one of its edges extending beyond the adjacent edge of the original leaf to form a binding stub overlapping said first mentioned binding stub, and a light spot adhesive attachment between said binding stubs positioned beyond the adjacent edge of said original leaf to attach the transfer leaf in transfer relation in the assembly and to provide for ready detachment thereof.

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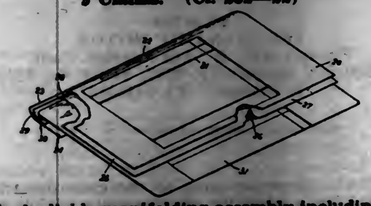
2,120,161
UNITARY MANIFOLDING ASSEMBLY
Harry Stevens, Oakland, Calif., assignor, by mesne assignments, to Pacific Manifolding Book Company, Inc., a corporation of Delaware
Application June 25, 1930, Serial No. 463,588
8 Claims. (Cl. 282—27)



1. A unitary manifolding assembly including, in combination, a single set of record sheets, a stub including a binding attachment for said set, and at least one transfer sheet positioned in overlapping, superposed, manifolding relation with said record sheets and terminating adjacent to but short of said binding attachment so as to be enclosed and frictionally held by said record sheets adjacent said binding attachment, and overlapping parts of said record sheets remote from said binding stub being unlapped by the transfer sheet whereby said overlapping parts may be simultaneously gripped together without, at the same time, gripping the transfer sheets.



2,120,162
MANIFOLDING ASSEMBLY
Harry Stevens, Oakland, Calif., assignor, by mesne assignments, to Pacific Manifolding Book Company, Inc., a corporation of Delaware
Application November 4, 1930, Serial No. 493,321
9 Claims. (Cl. 282—22)



1. A pliable manifolding assembly including, in combination, a record leaf having attached to one edge thereof a pliable supporting relatively short stub leaf extending inwardly from the attached edge of the record leaf and beneath the latter to form a record leaf positioning retainer and support, and a transfer sheet attached to said manifolding assembly and positioned in superposed manifolding relation with said record leaf.

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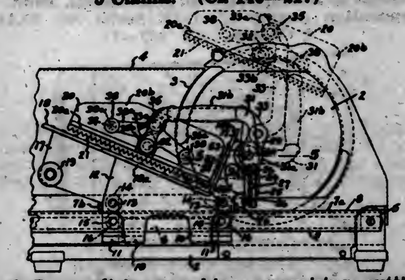
2,120,163
MANIFOLDING DEVICE
Harry Stevens, Oakland, Calif., assignor, by mesne assignments, to Pacific Manifolding Book Company, Inc., a corporation of Delaware
Application December 7, 1933, Serial No. 646,041
9 Claims. (Cl. 282—27)



1. A manifolding pad including, in combination, a multiplicity of record and transfer leaves arranged in alternation throughout the pad thickness and in interleaved inscription transfer relation with each other to form manifolding couplets, said leaves including a plurality of auxiliary manifolding assemblies each having one or more of said manifolding couplets, a detachable attaching means binding said leaves together in a pad whereby the auxiliary assemblies may be successively severed from the pad, a supporting back attached to the pad, the record and transfer leaves of each said auxiliary manifolding assembly having attachment with each other separate from said attaching means and positioned inwardly of the pad therefrom but at the same marginal part of the pad, said pad having weakened severance lines selectively positioned only in the record leaves and extending along, but spaced inwardly a short distance from, said leaf attachments, said attachments for the record and transfer leaves of the auxiliary assemblies being positioned intermediate said detachable attaching means and said weakened severance lines so as to hold the record and transfer leaves together after severance of the auxiliary assembly from the pad, and a selective grip formation remote from said severance lines providing for gripping record leaves to the exclusion of the transfer leaves for selective severance of the record leaves along the severance lines.

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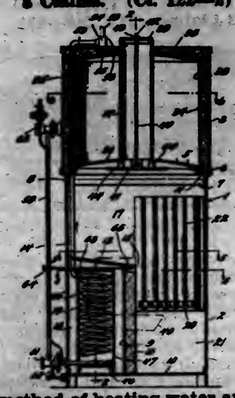
2,120,164
SLICING MACHINE
Elmer G. Streckfuss, Cincinnati, Ohio, assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio, a corporation of Ohio
Application January 15, 1934, Serial No. 706,677
5 Claims. (Cl. 146—217)



1. In a slicing machine comprising cutting means and a carriage movable across the cutting means to carry material whereby it may be sliced by said cutting means, a feeding device to feed the material toward the cutting means, comprising a support member movable on the carriage toward the cutting means, an engaging member to engage the material, connecting elements each having a pivotal connection to the movable support and a pivotal connection to the engaging member, the pairs of pivotal connections on the respective members being equally spaced along parallel lines, whereby said elements support said engaging member for swinging to different engaging positions and maintain the posture of the engaging member in all of said positions, and clutch means active upon at least one of said connecting elements to hold the engaging member in any one of said positions.

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2,120,165
COMBINED WATER HEATER AND INCINERATOR
Robert D. Tierney, Rochester, N. Y.
Application August 21, 1936, Serial No. 97,282
8 Claims. (Cl. 122—2)

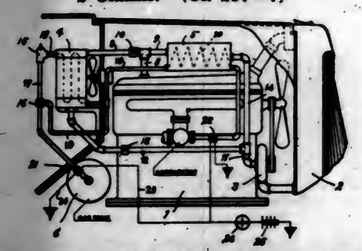


7. The method of heating water and dehydrating garbage or other waste materials which consists first in subjecting the water to the action

of a heating means to heat the same and utilizing the waste heat products issuing from the water heating means to dehydrate the waste material prior to igniting the same to condition the waste materials for ready burning, and finally igniting the waste material to consume the same.

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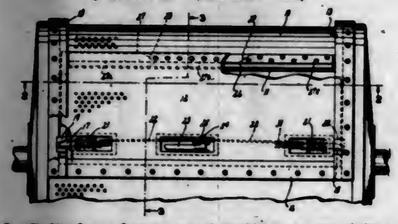
**2,120,166**
**AIR CONDITIONER**
**Albert Tonkin, Cloquet, Minn., assignor of two-thirds to J. L. Monnahan, Minneapolis, Minn.**
**Application August 12, 1936, Serial No. 95,545**
**2 Claims. (Cl. 257—7)**



1. In an air conditioning system for automobiles, having a motor, radiator, carburetor and water circulating pump therefor, an air conditioner in the housing compartment of said automobile, a compressed liquid gas supply, an expansion tank for the gas supply, a circulating pipe leading from the gas supply to and through said air conditioner, thence to said expansion tank and to said carburetor, a valve to optionally connect the gas supply direct with the expansion tank, or through said air conditioner thereto and water circulating pipes connecting the radiator, motor, expansion tank, pump, and air conditioner, whereby the body of the automobile may be optionally heated by the water of the circulating system or cooled by the expanding gas as it passes to the carburetor.

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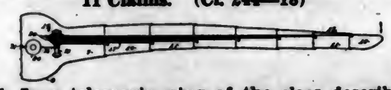
**2,120,167**
**CYLINDER DOOR CONSTRUCTION**
**Charles E. Waream, Norwood, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio**
**Application October 23, 1935, Serial No. 46,293**
**3 Claims. (Cl. 220—41)**



3. Cylinder door construction comprising a cylinder having a side opening, a circumferentially slidable door for closing said opening, guide means for receiving the leading edge of said door when closed, said guide means permitting additional movement of said door in closing direction when said door is closed, coacting wedge shape parts on said door and cylinder, the same parts diverging outwardly in a direction circumferentially of said cylinder away from said door opening and also diverging as they extend inwardly toward the axis of said cylinder so that said parts are adapted to approach each other as said door is moved into closed position, and securing means for holding said door closed, whereby said door is held against movement longitudinally, radially and circumferentially of said cylinder.
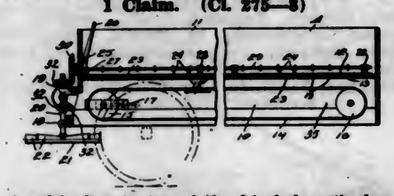
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**2,120,168**
**AERODYNAMIC ROTOR**
**Thomas Ash, Jr., Los Angeles, Calif.**
**Application January 19, 1937, Serial No. 121,333**
**11 Claims. (Cl. 244—18)**



1. In a telescopic wing of the class described comprising a plurality of telescoping airfoil sections, a reel at one end of the wing provided with a plurality of graduated winding surfaces, and cables, one for each section attached at one end to the corresponding section and at the other end to the corresponding winding surface of the reel.

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**2,120,169**
**MATERIAL DISTRIBUTOR OR SPREADER**
**Samuel E. Baughman, Broadwell, Ill.**
**Application March 1, 1937, Serial No. 128,535**
**1 Claim. (Cl. 275—8)**
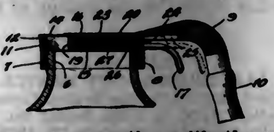


A vehicular device of the kind described comprising a truck body having a longitudinally disposed hopper extending from end to end of said body with an open bottom throughout its extent, spaced vertical walls built in said body and meeting the opposite side edges of the open bottom of said hopper, a perforated flooring horizontally arranged between said spaced walls slightly below the open bottom of the hopper, bearings fixed to and rising from said flooring, an agitator having a shaft journaled in said bearings, a feed gate slidably fitting said bearings and controlling the perforations in the flooring, a spreader disk rotatably fitted at one end of the body, connections between the agitator and said disk for simultaneous operation thereof, and an endless conveyor arranged between the spaced vertical walls and the ends of the body for disposition beneath the perforated flooring and adapted to deliver material flowing through said perforations in the flooring onto the disk, the said conveyor in its disposition being partly extended over the disk and slightly elevated therefrom.

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**2,120,170**
**CONTAINER AND CLOSURE THEREFOR**
**Rudolph Bernhardt, Chicago, Ill.**
**Application October 6, 1937, Serial No. 167,549**
**4 Claims. (Cl. 215—100)**

1. The combination with a container, of a cap having a pouring spout at one side thereof and having a guideway at the top of the spout, a closure blade engaging with the guideway to close the spout, a channel in the cap which aligns with the guideway, a slide mounted in the channel and connected with the blade, said slide having a finger piece projecting from one end thereof, a plate secured to the cap and covering said

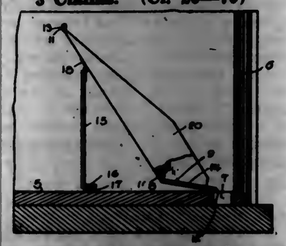


channel, a spring coacting with the plate and slide for moving the blade to closing position, and a handle on the cap arranged adjacent to the finger piece.

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**2,120,171**
**DRIP GUARD FOR WINDOWS**
**Andrew Bialy, Buffalo, N. Y., assignor of one-half to George J. Yez, one-fourth to Nellie Bialy, and one-fourth to Helen Bialy, all of Buffalo, N. Y.**
**Application November 10, 1936, Serial No. 110,176**
**3 Claims. (Cl. 20—70)**



1. A splash guard for show windows or the like comprising a plurality of telescopic sections each having a body portion and a lower portion, of which the free edge of the lower portion is adapted to rest on the floor adjacent the inner face of the window, and means adapted to support the guard so that the body portions of the sections are maintained at a relatively steep angle with respect to the floor.

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**2,120,172**
**SAFETY DEVICE FOR PUNCH BOARDS**
**Charles E. Burnett and O May, Punta Gorda, Fla.**
**Application August 5, 1936, Serial No. 94,464**
**7 Claims. (Cl. 273—139)**



1. In a punch board including a body having a plurality of bores therethrough for containing indicators, a guard plate of deformation-resisting material assembled with the body and having narrow slots therethrough, the said slots being associated respectively with the different bores, the said guard plate at the edges of the slots preventing the removal of indicators from the bores by an instrument other than one having the correct cross sectional design to pass through the slots permitting the insertion only of an instrument having a cross section fitting the said slots.

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**2,120,173**
**BATHING SUIT**
**Jacob Cohen, New York, N. Y.**
**Application January 25, 1937, Serial No. 122,136**
**5 Claims. (Cl. 2—67)**

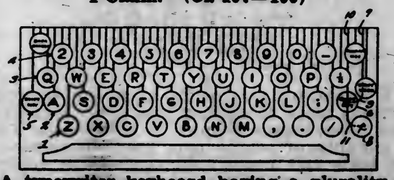
1. In a garment, a trunk comprising a body portion formed of a material adapted to stretch around the body, and a crotch portion composed of two parts extending side by side through the crotch from front to rear and each connected at its front and rear ends to the body portion



and being adapted to stretch through the crotch from front to rear, the adjacent edges of said crotch parts being overlapped, and an elastic seam securing said overlapping portions together.

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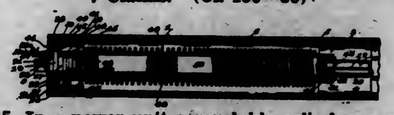
**2,120,174**
**TYPEWRITER KEYBOARD**
**Russell F. Estes, Laramie, Wyo.**
**Application July 13, 1937, Serial No. 153,431**
**1 Claim. (Cl. 197—100)**



A typewriter keyboard having a plurality of transverse lines of keys, comprising a second line including printing keys, a first line of printing keys immediately adjacent to the second line and nearest to an operator, a shift key at one end of the second line, a lever one end of which is extended inwardly and connected to the shift key, and a lever one end of which is extended outwardly and connected to the printing key which is at the end of the first line corresponding to the end of the second line at which the shift key is located.

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**2,120,175**
**POWER UNIT**
**Otto A. Fritz, Melrose, Mass.**
**Application September 23, 1936, Serial No. 102,212**
**7 Claims. (Cl. 156—36)**

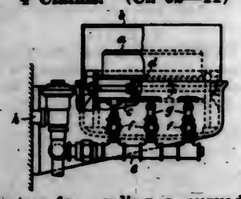


5. In a power unit a revoluble cylinder, a stationary shaft element arranged within the cylinder, an inner power transmitting spring encompassing said shaft and having its inner end anchored to the inner end of the shaft, a sleeve mounted on said spring, said spring having its outer end anchored to said sleeve, an annulus revolubly mounted on said element being formed with a pair of oppositely disposed cutout portions opening at its inner edge, a coupling member encompassing and fixed to the annulus and revoluble about said element being formed with inwardly extending arms provided with couplers, a cap fixedly secured with said cylinder and member, encompassing the latter and concealing the outer

face of said annulus, a pair of oppositely disposed dogs arranged in said cutouts and being formed with noses for engagement in said element to arrest the revolving of the cylinder, said dogs having parts co-acting with the edge portions of said cutouts to provide for the dogs fulcruming within the annulus, and an outer transmitting spring binding said sleeve and having its inner end anchored to the body of the sleeve, said outer spring having its outer end extending through said couplers whereby said outer spring is connected with the cylinder.

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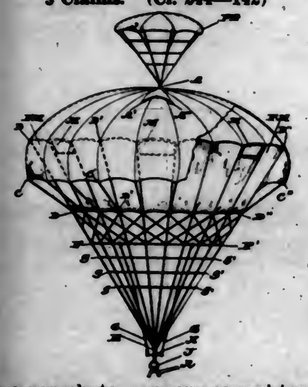
2,120,176
**APPARATUS FOR COOLING CURVED STEREOTYPE PRINTING PLATES**
William Gerrard, Timperley, and Walter Harris, Altrincham, England, assignors to Linotype and Machinery Limited, London, England, a company of Great Britain
Application January 30, 1937, Serial No. 123,226
In Great Britain February 6, 1936
4 Claims. (Cl. 62—11)



1. Apparatus for cooling a curved stereotype printing plate comprising means for supporting said plate, means adapted to spray water from a plurality of points upon the undersurface of the plate and means for independently controlling the amounts of water sprayed from different points.

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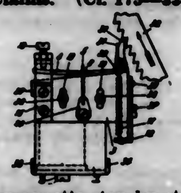
2,120,177
**PARACHUTE**
Richard H. Hart, New Orleans, La.
Application July 6, 1936, Serial No. 89,207
3 Claims. (Cl. 244—142)



1. In a parachute, a canopy comprising a main body portion, primary suspension means secured above the outer edges of said main body portion, said suspension means terminating substantially at a common central point, said body portion being prolonged to constitute an extension, a flexible fabric secured directly to the canopy adjacent the periphery of the main body portion at one end and extending to a point below the edge of the extension at the other to form a funnel-shaped member, said funnel-shaped member being provided with openings for the passage of air from one section of the canopy to the other.

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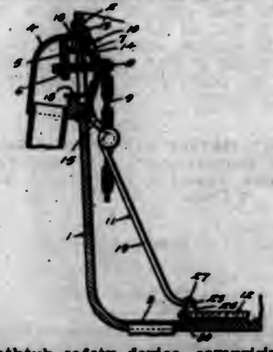
2,120,178
**ELECTROMAGNET DEVICE**
Herbert Hausrath, Karlsruhe, Germany
Application April 3, 1934, Serial No. 718,846
In Germany January 27, 1930
9 Claims. (Cl. 175—336)



5. An electromagnetic step-by-step driving device comprising a plurality of frames, an electromagnet connected to each of said frames, a guide curve connected to each of said frames, an armature for each electromagnet adapted to roll on the guide curve of the frame of its associated electromagnet, a pawl connected to each armature, and a switch actuating device, said pawls being adapted to act in cyclic sequence on said switch actuating device.

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2,120,179
**BATHTUB SAFETY DEVICE**
Guy L. Heckert, Millersburg, Pa.
Application November 6, 1937, Serial No. 173,235
8 Claims. (Cl. 4—185)



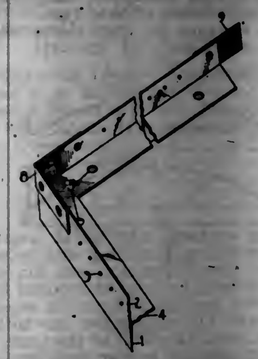
1. A bathtub safety device, comprising a flat mat adapted to lie upon the bottom of a tub, a unit fixed to a wall of the tub and having a portion adapted to extend down thereinto, and a pivotal coupling between the mat and said extended portion of the unit facilitating the disposition of the mat in lowered service position on the tub bottom or vertical out of service position.

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2,120,180
**TENT BASE**
Edward Hungrige, Wilmington, Del.
Application April 2, 1937, Serial No. 134,505
4 Claims. (Cl. 135—15)

1. A base for a tent or the like comprising a plate adapted to be forced into the ground for a portion of its width to anchor the same thereto and to exclude seepage water from the space within said frame, the portion of said plate disposed above the surface of the ground being

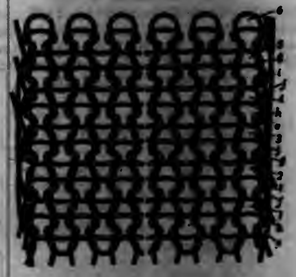




adapted to have the supports and walls of the tent secured thereto and to exclude surface water from the interior of the tent.

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2,120,181
**KNITTED FABRIC OR GARMENT AND IN THE PRODUCTION THEREOF**
Thomas Henry Jones, Woodthorpe, and Robert Kirkland Mills, Sherwood, England, assignors to Hosiery Developments Limited, Nottingham, England
Application July 17, 1936, Serial No. 91,180
In Great Britain July 20, 1935
10 Claims. (Cl. 66—169)



9. A flat knitted fabric or article composed of more than two threads drawn from different supplies, said threads being employed in succession to form successive courses of stitches, and said threads being also employed in succession to lock the stitch loops formed from the same thread.

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2,120,182
**PNEUMATIC FLEXIBLE COUPLING**
Rufus H. Limpp, King City, Mo.
Application July 21, 1936, Serial No. 91,764
1 Claim. (Cl. 64—11)

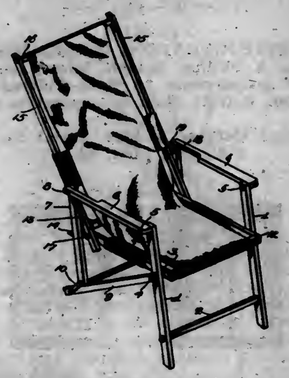
A coupling comprising a pair of opposed wheel members, each provided with hub portions, a rim on each hub, an inflatable annulus on each rim, and a cylindrical band snugly engaging the peripheries of said inflatable annuli and provided with integral reduced opposite end portions, said reduced end portions having the smallest interior diameter thereof of a size sufficient to hold said band against longitudinal movement relative to the axes of said wheels while permitting easy removal of said inflatable annuli upon deflation



thereof, said band being removable axially of said wheel members upon deflation of said annuli to thereby uncouple said wheel members.

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2,120,183
**FOLDING CHAIR**
Harland O. Mearkle, Sharon Hill, Pa., assignor to Philadelphia Screen Mfg. Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 29, 1937, Serial No. 133,703
2 Claims. (Cl. 155—139)



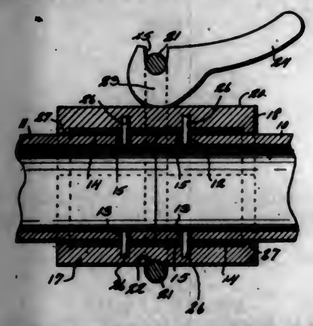
1. In a folding chair, a pair of front legs, a pair of rearwardly declining rear legs pivotally connected to said front legs, a pair of rear uprights arranged to rest upon said rear legs for support when the chair is set up, arm rests pivotally connected to the front legs and uprights, members movably connecting said uprights and rear legs, a transverse element connecting the uprights, a back support structure, a seat structure pivotally connected to the front legs and said back support structure arranged to rest upon said transverse element for support when the chair is set up, and other members adjustably connecting the back structure and the rear uprights to permit the former to be swung relative to the latter between two positions disposed respectively at an angle to each other and said seat structure.

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2,120,184
**PIPE JOINT OR COUPLING**
Oliver W. Mejounier, River Forest, Ill.
Application December 16, 1937, Serial No. 180,190
1 Claim. (Cl. 285—194)

The combination with abutting pipe sections each having radially extending bores adjacent their abutting ends, of a sleeve of compressible material surrounding said abutting ends of the

pipe and having apertures registering with said bores, opposed compression members each surrounding half the sleeve and each having inwardly projecting pins adapted to be inserted through



said apertures in the sleeve and into said bores, and means associated with the compression members constructed and arranged to urge the compression members towards each other.

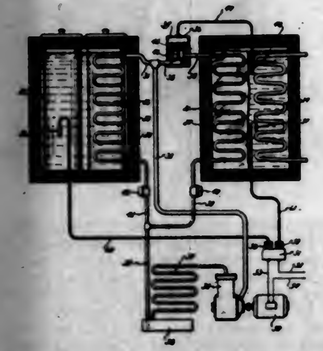
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2,120,185

**REFRIGERATING APPARATUS**

Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland

Application October 3, 1934, Serial No. 746,682
3 Claims. (Cl. 62—2)



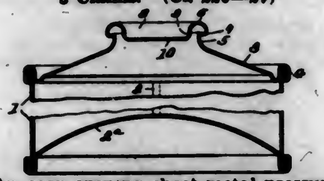
1. A refrigerating system comprising in combination, a plurality of evaporators each having an inlet for liquid refrigerant and an outlet for gaseous refrigerant, means for withdrawing gaseous refrigerant from the evaporators and for condensing the same and for conducting the condensed refrigerant to the evaporators, means at the outlet end of one of said evaporators for interrupting the flow of refrigerant through said evaporator after the medium cooled thereby is reduced to a predetermined temperature, the operation of the interrupting means causing said first means to direct its withdrawing action primarily to the other evaporator to decrease the refrigerant pressure therein to below the pressure in the first evaporator substantially immediately after the second means is rendered effective, and means responsive to said reduced pressure in said other evaporator for starting the flow of refrigerant through the said other evaporator.

2,120,186

**EASY OPENING SHEET METAL CONTAINER**

William F. Punte, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application January 28, 1937, Serial No. 122,851
3 Claims. (Cl. 220—27)



1. An easy opening sheet metal pressure container comprising a body, top and bottom ends hermetically joined thereto, said top having a depression formed therein surrounded by a side wall, the lower portion of which is substantially at right angles to the plane of the bottom wall of the depression, the metal at the angle between the side wall and the bottom wall being shaped so as to provide a thinned portion with the maximum extent of thinness lying midway between the side wall and the bottom wall whereby external pressure applied to the bottom wall at a point adjacent the side wall will create within said thinned portion, tension forces which will rupture the same, and internal pressure applied to the bottom wall will create compression forces within said thinned portion which will be restrained by the vertical wall and the rupturing of the metal prevented.

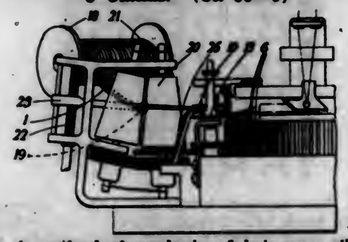
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2,120,187

**KNITTING MACHINE AND METHOD**

Harry Avery Rayner, Wollaton Park, Nottingham, England

Original application February 14, 1936, Serial No. 63,925, now Patent No. 2,106,925. Divided and this application April 30, 1937, Serial No. 140,020. In Great Britain February 15, 1935
3 Claims. (Cl. 66—9)



1. A method of producing fabric on a rib knitting machine comprising the following sequential operations, namely:— producing knitted stitches on two sets of needles which draw loops in opposite directions, projecting needles of one set to a tucking height, simultaneously feeding below the hooks of said projected needles a plurality of weft threads or strands connected together side by side to form a composite bar, retracting said needles to cause the hooks thereof to pierce the plural stranded weft at a position between said strands, pressing said plural stranded weft over the needle hooks so as to bring one or more strands on one side and the remaining strand or strands on the opposite side of the needles, projecting needles of both sets to clear the old loops thereon and feeding stitch thread thereto, retracting the needles of both sets to clear the old loops thereon and feeding stitch thread thereto, retracting the needles of both sets to produce a new course of stitches and in so doing to cast off the plural stranded weft bar and draw stitch loops therethrough and subsequently operating the needles of both sets to produce a further stitch course.



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2,120,188

**ATTACHMENT FOR HEADLIGHTS**

Paul E. S. Reichard, Freeport, Pa.

Application November 19, 1936, Serial No. 111,721
1 Claim. (Cl. 240—48.4)



In combination with a headlight having a reflector housing and a lens carried thereby; a flexible sheet having glare eliminating characteristics engageable against the outer surface of said lens, the marginal portions of said sheet extending rearwardly and about the forward end of said housing, a plurality of flexible strips adhesively carried by said housing adhesively engaging the marginal portions of said sheet to hold said sheet in applied position, and a pair of bars of opaque flexible material attached to and made integral with the rear face of the sheet and extending from one side of the lens to the other side and being substantially V-shape.

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2,120,189

**MUFF STRUCTURE**

Rue P. Reinemer, Kalispell, Mont.

Application June 30, 1937, Serial No. 151,263
1 Claim. (Cl. 2—209)



A device of the character described, comprising, an extensible head piece consisting of a plurality of adjustable arms, frames equipped with protective material adjustably connected to the outer ends of said arms and means for adjusting the arms relative to each other whereby a pair of said arms will secure respective frames over the ears of a wearer and another of said arms will position the frame connected thereto over the brow of said wearer.

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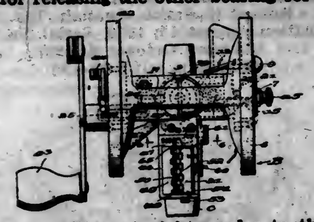
2,120,190

**CASTING REEL**

Joshua B. Rickards and John E. J. Spencer, Philadelphia, Pa.

Application January 25, 1937, Serial No. 122,242
14 Claims. (Cl. 242—84.1)

1. In a casting reel provided with a spool shaft, the combination with a support for said shaft, said support including bearings for each end of the shaft, means for locking the bearings in alignment, means for releasing one of the bearings for movement into non-supporting position, and means for releasing the other bearing for movement to a position at right angles to the first shaft bearing.



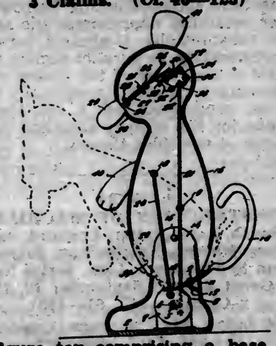
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2,120,191

**FIGURE TOY**

Harold L. Rodman, Baltimore, Md.

Application August 11, 1936, Serial No. 95,468
3 Claims. (Cl. 46—123)



1. A figure toy comprising a base, a motor mounted in said base, a body pivotally mounted for swinging movement on the base, means operatively connecting the motor to the body for swinging said body forwardly and returning said body to an upright position, means for stopping the motor upon the completion of each operation of the body, and manually operable means for releasing the motor.

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2,120,192

**BARBER POLE**

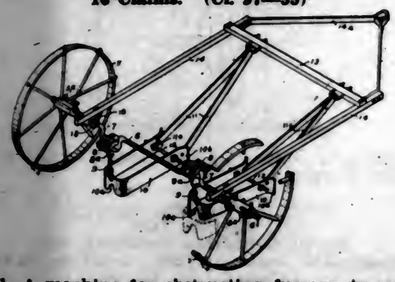
William R. Severson, Soldier, Iowa

Application August 10, 1937, Serial No. 158,440
4 Claims. (Cl. 40—126)



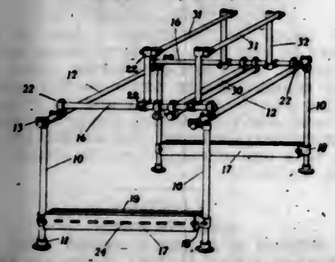
1. A barber pole rotor comprising a cylindrical mandrel and a sheet of hairy surface material stretched over the said mandrel to form a fixed cover coextensive with the rotor.

2,120,193
**FURROW OBSTRUCTING MACHINE**
Russell H. Smith, Quanah, Tex.
Application August 15, 1936, Serial No. 96,275
Renewed October 8, 1937
16 Claims. (Cl. 97—55)



1. A machine for obstructing furrows to provide water retaining depressions, the same comprising a substantially U-shaped scraper with sides approximately in parallel planes extending at an angle to the plane of the closed end thereof and having a cutaway portion in its closed end to clear seed deposited in the furrow, and draft means for the scraper attached to the free end portions of the sides thereof.

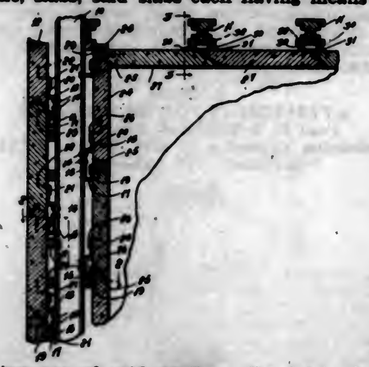
2,120,194
**CONSTRUCTION OF MACHINES**
Morton Smith, Long Eaton, England, assignor to Sidney Hobson, Nottingham, England
Application September 9, 1936, Serial No. 100,629
In Great Britain September 12, 1935
2 Claims. (Cl. 51—118)



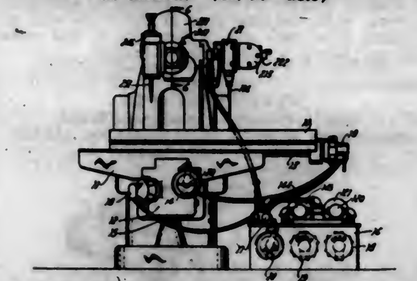
1. In a knock down skeleton machine framework such as described herein, having vertical cylindrical uprights longitudinally spaced apart along opposite sides of the framework, the herein described supports for a line of shafting located in the lower part of the framework, consisting of adjustable clamping brackets to be secured to the uprights in desired positions, and formed with flat vertical plates and beam members with flat ends arranged to be bolted to the said flat plates of opposite clamping brackets, the said beam members being longitudinally slotted for receiving connecting bolts adjustable in said slots and serving to support bearings for a line of shafting.

2,120,195
**CONCRETE SLAB HOUSE CONSTRUCTION**
Carl Valenti, Pittsburgh, Pa.
Application September 2, 1937, Serial No. 162,264
6 Claims. (Cl. 72—19)

1. In building construction, structural means having an attaching bracket, terminal attaching portions on said bracket disposed in the same plane, slabs, said slabs each having means engaging one of said portions, the joint of said slabs being between said means.



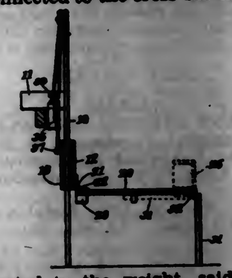
2,120,196
**HYDRAULIC CONTOURING ATTACHMENT FOR MACHINE TOOLS**
Leigh W. Wright, Norwood, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application May 14, 1937, Serial No. 142,661
32 Claims. (Cl. 90—13.5)



1. In a machine tool having a tool support and a work support and rotors for effecting relative movement between the supports in two directions at right angles to each other, the combination of means whereby a pattern mounted on one of said supports may be automatically reproduced by the machine, including a pair of fluid operable motors detachably connectible to said rotors, a portable unit external of the machine for supplying fluid under pressure to said motors including a control valve; a tracer unit attachable to the other of said supports in cooperative relation with the pattern, and remote control connections coupling the tracer for control of the valve in said portable unit.

2,120,197
**DISPLAY FIXTURE**
William Crawford Adams, Panama City, Fla.
Application July 23, 1937, Serial No. 155,309
1 Claim. (Cl. 211—2)

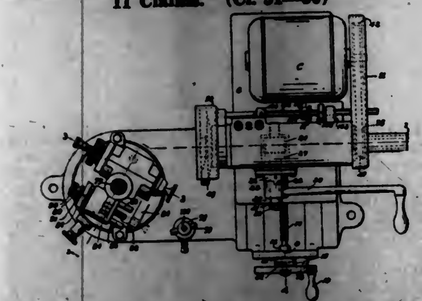
A combined display shelf and table comprising a post having means for attaching said post to a fixed support, a cross bar slidably mounted on the post, a display board hingedly connected at one end on the bar and suspended therefrom, a detachable shelf mounted on the other end of the board, means for balancing the weight of the bar and board and comprising a weight, a pulley on the upper end of the post, a cable having one end connected to the cross bar and the other



end connected to the weight, said cable being trained over the pulley, legs hingedly mounted on the board for supporting said board in a horizontal position so that said board may form a display table.



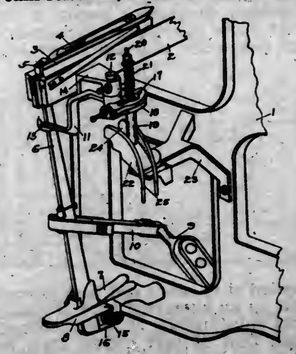
2,120,198
**GRINDING MACHINE**
John Y. Blazek and Russell G. Andersen, Maple Heights, Ohio, assignors to Lempco Products, Inc., Bedford, Ohio
Application July 23, 1934, Serial No. 736,496
11 Claims. (Cl. 51—58)



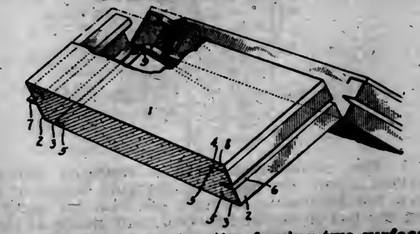
1. In a grinding machine, a bed, a grinding wheel carrying carriage guided to slide transversely of said bed, a quill unrotatable but axially movable in said carriage longitudinally of said bed and transversely of the guiding slide for said carriage and having a rack thereon, a shaft journaled in said carriage and having a pinion thereon engaging with said rack for movement of said quill, an operating handle journaled on and movable axially on said shaft, cooperating clutch teeth between said shaft and said handle to effect engagement of said handle with said shaft for rotation of said shaft and axial movement of said quill and to effect release of said handle from said shaft for individual rotation of said handle, and a work holding turret on said bed and adapted to simultaneously hold a plurality of work pieces and being spaced to bring the work therein into position for operation thereon by said grinding wheel.

2,120,199
**LOOM**
Horace H. Burdett, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application August 20, 1937, Serial No. 160,117
1 Claim. (Cl. 139—162)

In a fly shuttle loom, a forwardly and rearwardly reciprocating lay, a picker stick, means imparting inward picking movement to said picker stick as the lay moves rearwardly, a picker stick check comprising a pivoted arm having a free end engaging the outer side of said picker stick, a cam follower, means frictionally connecting said arm with said cam follower, and cam means engaging said cam follower for swinging said arm inwardly as the lay moves back and outwardly as the lay moves forwardly, said frictional connection yielding to permit said arm to be moved outwardly by said picker stick.



2,120,200
**TWO-PLANE SLAB CONSTRUCTION**
Clarke F. Davis, Short Hills, N. J., assignor to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware
Application January 9, 1936, Serial No. 58,252
3 Claims. (Cl. 108—24)



1. A building construction having two surfaces at an angle to each other, including a precast slab having a body of set, cementitious material, a metal edge reinforcing member carried by said body, said member including a portion substantially parallel to a slab face and another portion substantially at right angles thereto, a portion of said body constituting a portion of each of the two surfaces, said member portions being continuous into both of said surfaces.

2,120,201
**COMBINATION LIQUID COOLER AND STIRRER**
David Fisk, Astoria, N. Y., assignor to Fisk & Fisk, Inc., New York, N. Y.
Application January 16, 1937, Serial No. 121,027
4 Claims. (Cl. 62—1)

1. A combined cooling device and stirrer comprising a one-piece sealed hollow glass member and an integral glass handle projecting therefrom, said member containing a cooling liquid,

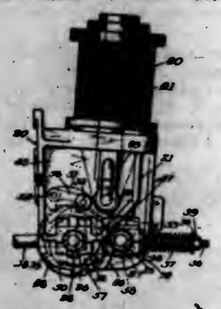
and said handle comprising a narrow elongated stem having a passage in communication at one end thereof with the interior of said hollow mem-



ber and sealed at its other end, said passage being constituted by an elongated bore of small diameter and of substantially smaller volumetric capacity than that of said hollow glass member.

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2,120,202
**LOCK ROD OPERATING DEVICE**
Ferdinand H. H. Fess, Chicago, Ill.
Application May 11, 1935, Serial No. 21,067
12 Claims. (Cl. 214—26)



1. The combination with a charging device having a ram for handling charging boxes, of a lock rod extending through the ram for securing the box to one end thereof, and means at the opposite end of the ram for actuating the rod, said means yieldingly thrusting the rod forward into locking position but positively actuating the rod to a release position.

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2,120,203
**REDUCING SOLUTION FOR THE DEPOSITION OF METALLIC FILMS**
Delaware J. Heed and Joseph H. Winterburg, Philadelphia, Pa., assignors to Phoebe Phillips Prime, Paoli, Pa.
No Drawing. Application November 21, 1936, Serial No. 112,084
5 Claims. (Cl. 204—9)

1. A process of preparing an improved reducing solution, useful in producing silver mirrors; which process comprises passing electric current through an aqueous solution of sodium potassium tartrate, and silver nitrate, under a moderate applied voltage which gradually brings about the formation of insoluble matter, for a sufficient length of time to produce a condition of uniform visible blackness in the liquid; and removing the insoluble matter thus formed from the liquid.

5. A reducing solution comprising an aqueous solution prepared according to the process of claim 1, which will reduce silver nitrate forming a tight, brilliant, durable metallic film on glass, and which is free from troublesome scum formation in use.

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2,120,204
**FUMIGANT CARRIER COMBINATION**
Harry J. Langhorst, Larchmont, N. Y., assignor to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware
Application April 27, 1936, Serial No. 76,576
2 Claims. (Cl. 299—24)



1. An expandible and collapsible fumigating article comprising, a plurality of absorbent carriers each having a large surface area relative to its thickness and having a volatile liquid fumigant absorbed therein, in an amount in excess of that occurring by nature in said absorbent carriers, and flexible, elongated, and easily severable suspending means affixed to and connecting said carriers with each other in series and extending throughout and beyond the length of the series of carriers when in the expanded position, whereby a series of said carriers may be placed in suspended position to enable the volatilization of the fumigant, said carriers being capable of being collapsed upon each other in surface to surface contact for shipping and storage purposes.

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2,120,205
**METHOD OF AND APPARATUS FOR DRYING WOOD VENEERS**
George R. Meyercord, Chicago, Ill., assignor to Meyercord Compound Lumber Company, a corporation of Alabama
Application September 12, 1936, Serial No. 100,520
7 Claims. (Cl. 34—24)



7. The method of drying sheets of knife-cut wood veneer which consists in causing each sheet to stand on edge with the grain running horizontally, lightly constraining each sheet so as to compel it to remain in an upright position and yet compel it to settle freely under the action of gravity at the proper rate to compensate for the natural contraction of the wood in drying, and causing currents of drying gases to flow in the vertical direction past both broad faces of each sheet.



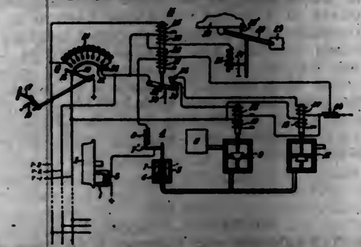
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2,120,206
**TREATED FUEL**
Roy F. Nelson, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 30, 1935, Serial No. 38,566
10 Claims. (Cl. 44—6)

1. A fuel comprising coal, the surface of which is coated with material applied as a water emulsion containing polymers formed during the clay treatment of cracked naphtha vapors, and a soap of naphthenic acid.

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2,120,207
**BRAKING SYSTEM**
Stephen J. Veach and Jacob W. McNairy, Erie, Pa., assignors to General Electric Company, a corporation of New York
Application February 25, 1936, Serial No. 65,589
11 Claims. (Cl. 188—195)

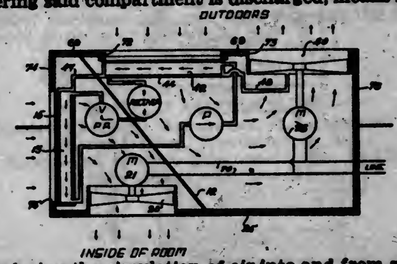


1. In a vehicle braking system, means for producing a braking effect to retard the vehicle, a manually operated movable member having a predetermined braking range of movement, an electro-responsive regulating relay for controlling the braking effect of said first-mentioned means, and means for controlling the electric energization of said relay in accordance with the position of said movable member and the braking effect produced by said first-mentioned means and the load on said vehicle so that different braking effects dependent upon the load on the vehicle are produced and maintained by said first-mentioned means in each position of said movable member throughout its braking range of movement.

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2,120,208
**AIR CONDITIONING MACHINE**
Guy Paschal, New York, N. Y., assignor, by mesne assignments, to Pleasantaire Corporation, New York, N. Y., a corporation of Delaware
Application February 26, 1937, Serial No. 127,962
20 Claims. (Cl. 62—129)

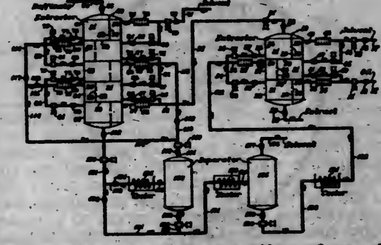
7. In an air conditioning unit, a substantially rectangular casing adapted to be bodily positioned in a window opening or similar aperture with its front wall and portions at least of its side walls exposed to the interior and its back wall entirely exposed to the exterior of the room having such window opening or aperture, a transverse vertical partition dividing the casing into at least two compartments side by side, said compartments being completely air insulated one from the other by said partition, a cooling coil in one compartment, means for circulating a cooling medium through said coil, said one compartment having an opening in one side of said casing for the introduction of air to pass through said coil, said coil being positioned directly to the rear of said opening and substantially co-extensive in area therewith, a second opening in another wall of said one compartment through which the air entering said compartment is discharged, means for




inducing the circulation of air into and from said compartment through said openings, a vane extending outwardly from said one side of said casing and dividing said first mentioned opening into two parts, said vane being adapted to cooperate with the window frame to direct fresh air from the exterior of the room through one part and room air through the other part of said opening.

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2,120,209
**METHOD FOR SOLVENT EXTRACTION OF OIL**
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application March 21, 1934, Serial No. 716,581
6 Claims. (Cl. 196—13)



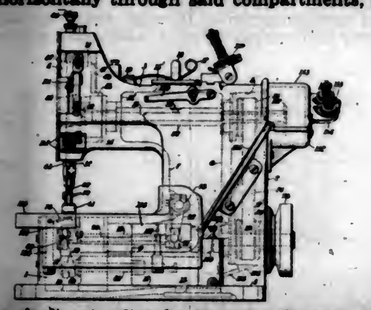
1. A process for the separation of paraffinic and non-paraffinic fractions from an oil containing the same which comprises countercurrently extracting said oil with a selective solvent, separating a raffinate insoluble in said solvent from the extract phase, separating an intermediate raffinate from said extract phase and introducing said intermediate raffinate into said extraction at that zone wherein oil being extracted has substantially the same viscosity gravity constant as the intermediate raffinate being introduced.

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2,120,210
**SEWING MACHINE**
Andrew B. Clayton, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 22, 1937, Serial No. 121,747
15 Claims. (Cl. 112—197)

1. A sewing machine having a hollow frame including a bed having a bottom wall, a standard

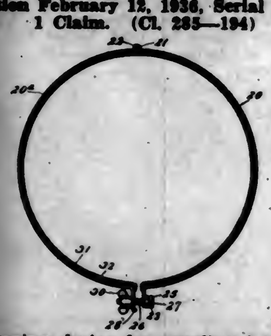
and a bracket-arm, said frame having within it a vertical partition extending from the bottom wall of the bed through the standard to the top wall of the bracket-arm and dividing said hollow frame into an oil-splash compartment and a belt compartment, a lower main-shaft extending horizontally through said compartments, an



upper shaft extending horizontally through said compartments, bearings for said shafts exposed to oil mist in said oil-splash compartment, a belt connection between said shafts in said belt compartment, a reciprocatory needle actuated by said upper shaft, a looper actuated by said lower shaft, and an oil agitator in said oil compartment.

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2,120,211
**STOVEPIPE COUPLING**
Edward S. Cornell, Jr., Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application February 12, 1936, Serial No. 63,501
1 Claim. (Cl. 285—194)



A clamping device for coupling two longitudinally aligned ends of respective hollow tubular conduits in sealed relationship, comprising a pair of pivotally connected metal-strip members adapted to close in encircling relationship about the ends of the conduits to be connected and to jointly conform to the circumferential contour thereof, said members having their free ends directed outwardly to form ears adapted for interconnected clamping action, said members each having an inwardly projecting substantially central rib portion extending longitudinally and continuously throughout the length of the element, said rib portions being adapted to mutually abut in end to end alignment when the said members are closed about the ends of the conduits to be coupled, to form an abutment stop for and between the said ends of the conduits, which abutment stop extends continuously around the full periphery of the said ends of the conduits in sealing relationship therewith; packing material secured to and covering the inner surfaces of said members on each side of said rib portions, said packing material being in continuous longitudinal coextension with said rib portions and adapted to abut in end to end alignment when the said members are closed about the ends of the conduits to be coupled, for forming, together with said rib portions, a fluid-tight seal thereabout; and means secured to one of said ears for clamping said members in maintained sealing relationship.

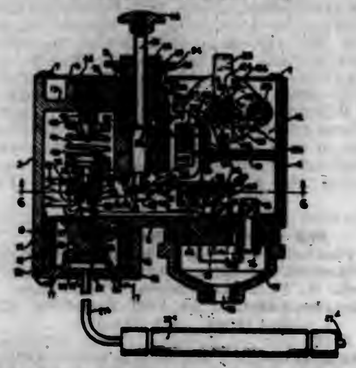
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2,120,212
**PHOSPHATED METAL COATING**
Leo P. Curtin, Cranbury, N. J., assignor to Curtin-Howe Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 10, 1936, Serial No. 58,598
10 Claims. (Cl. 148—6.5)

1. The method of improving the corrosion resistance of an adherent protective and bonding coating consisting of at least one difficultly soluble phosphate on the surface of a metal selected from the group consisting of ferrous metals, zinc, lead and copper, said coating being produced by the reaction with said metal of a solution consisting principally of at least one dihydrogen phosphate of a metal not above barium in the electromotive series, which comprises treating the phosphate coating with a dilute aqueous solution having an alkalinity substantially greater than that of a saturated solution of potassium chromate but insufficient to injure the said coating, and which reacts with said phosphate coating and increases the basicity and corrosion resistance thereof.

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2,120,213
**CONTROL MEANS**
Lewis W. Eggleston and Earnest J. Dillman, Detroit, Mich., assignors to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application September 28, 1933, Serial No. 691,350
17 Claims. (Cl. 200—81)

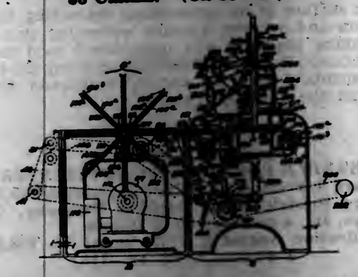


1. A control device of the character described, comprising a control means, lever means for actuating said control means, a power element for moving said lever means in one direction, means resisting operation of said element, a thrust member operable on said lever means, means cooperable with said resisting means and acting through said thrust member to oppose operation of said element, means to adjust the opposing force of said last-named means, and means engageable with said thrust member for increasing the resistance to operation of said element without increasing the resisting force exerted by said first-named cooperable means.



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2,120,214
**PAPER BOX MAKING APPARATUS AND METHOD**
Horace W. Gregoire, Newtonville, Mass., assignor to Oskar W. Wikstrom, Newton, Mass.
Application January 14, 1937, Serial No. 120,515
38 Claims. (Cl. 93—51)



1. In a machine for making paper boxes from prepared blanks, in combination, a support for a supply of blanks, feed means to select and advance individual blanks, continuously travelling substantially horizontal endless conveyor means to receive and forward the blanks serially, flexing mechanism and associated stop means temporarily to halt each blank and to flex it along desired fold lines, adhesive applying means operable on portions of the blanks during their further travel with said conveyor means, forming mechanism to erect and secure the adhesive blanks in tray form, and indexing transfer mechanism operatively disposed between said conveyor means and the forming mechanism, comprising a rotary wheel having a plurality of elongated radial blank receivers, said wheel having its axis transverse of the path of the blanks coming from the adhesive-applying means and in a plane the same or paralleling said path, and means to turn the wheel intermittently to bring each blank receiver successively into registry with the conveyor means to receive an adhesive-carrying blank therefrom and simultaneously to position another receiver to present a previously received blank to the forming mechanism, said wheel being timed, proportioned and arranged to afford a predetermined conditioning period for the adhesive on the blanks.

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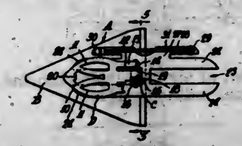
2,120,215
**BROOCH ASSEMBLAGE**
Maurice Handman, Providence, R. I., assignor to Albert Weiner, Providence, R. I.
Application September 30, 1935, Serial No. 42,726
25 Claims. (Cl. 63—20)



1. In combination, a pair of clips each having an ornamental front jaw and a back jaw hinged thereto, a plate, and a sheet metal runway permanently attached to the back of said ornamental front jaw independent of said back jaw for holding said clips in engagement with said plate, said plate being recessed and carrying a pin and catch combination alongside the recessed portion thereof, said plate and said runway being constructed so that said plate may be slid into said runway from the hinge ends of the clips and transverse to the axis of the hinge with said clips engaging the recessed portions of said plate.

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2,120,216
**BROOCH ASSEMBLAGE**
Maurice Handman, Providence, R. I., assignor to Albert Weiner, Providence, R. I.
Application July 9, 1936, Serial No. 89,726
20 Claims. (Cl. 63—20)



1. In an article of jewelry the combination of an H-frame having a plurality of leg members and clasp members adapted to be received upon said leg members and frictionally held in position thereon, each clasp member having an ornament face and a finding including means mounted on said clasp member to the rear of said ornament face for engaging the legs of said frame on one side of said frame, said legs being positioned on both sides of and embracing said last mentioned means.

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2,120,217
**ORE FLOTATION**
Benjamin R. Harris, Chicago, Ill.
No Drawing. Application December 18, 1937, Serial No. 180,639
45 Claims. (Cl. 209—166)

1. In a process for concentrating non-sulfide minerals by froth flotation, the step of adding to an ore pulp a proportion of an organic chemical substance having balanced lipophile and hydrophile groups, the lipophile group containing at least eight carbon atoms and the hydrophile group comprising a radical selected from the class consisting of oxygenated sulphur and oxygenated phosphorus inorganic acid radicals, and subjecting the pulp to froth flotation.

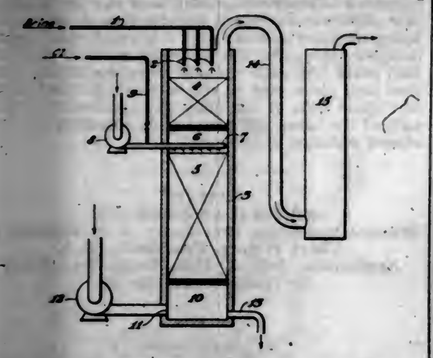
39. A process of separating ores by froth flotation which includes subjecting a pulp of the ore to froth flotation in the presence of a reagent including an organic nitrogen containing halide having a hydrocarbon group containing at least twelve carbon atoms.

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2,120,218
**IODINE RECOVERY**
Sheldon B. Heath and Frank A. Landee, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application March 12, 1937, Serial No. 130,487
12 Claims. (Cl. 23—217)

3. In a process of extracting iodine from a natural brine or the like, the steps which consist in causing the brine to flow in countercurrent to a current of air containing a minute proportion of chlorine to liberate the iodine and

simultaneously vaporize a substantial proportion of such iodine, then passing the brine in contact



with a current of air free from chlorine to vaporize the residual iodine therein.

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2,120,219
**STOCKING FORM AND SUPPORT**
Patrick Joseph Murray, Clifton Heights, Pa., assignor to Trisco Products, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application August 15, 1934, Serial No. 739,974
7 Claims. (Cl. 223—77)

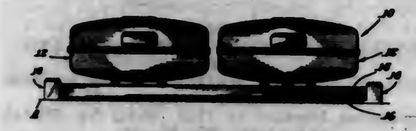


1. A skeleton stocking form comprising front and back rods united at the foot and having ends adapted to be moved toward and from each other at the upper end of the leg in combination with a sheet metal fitting adjustably uniting the ends of the rods having the sheet metal turned at adjoining corners to form cylinders substantially one transverse to the other, the one rod end being retained in one of the cylinders and the other rod end being retained in the other of said cylinders and the metal between the points of entry of the rods into the fitting being bent to form a finish for the edges of the cylinders.

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2,120,220
**HEATING APPLIANCE**
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 2, 1937, Serial No. 156,867
4 Claims. (Cl. 65—61)

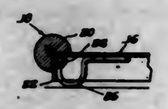
2. In combination with a metallic tray of a heating appliance having depending end flange sections, a handle construction including handle members disposed at the ends of said tray along said flange sections, each of said handle members having its inner surface shaped to conform to the



outer surface of its cooperating depending flange section and a lower laterally extending shoulder extending inwardly and underneath said flange section, and fastening means for securing the handle members and the shoulders thereon firmly against the flange sections.

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2,120,221
**HANDLE FOR HEATING APPLIANCES**
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 2, 1937, Serial No. 156,868
4 Claims. (Cl. 16—110)



3. A handle construction for a metallic tray of a heating appliance having oppositely disposed corner portions, said handle construction including handle members recessed to accommodate complementary corner portions of said tray, each handle projecting laterally and upwardly with respect to the tray so as to present oppositely disposed portions of said handle in convenient finger gripping positions, and fastening means extending through the corner portion of said tray for securing said handles firmly in position.

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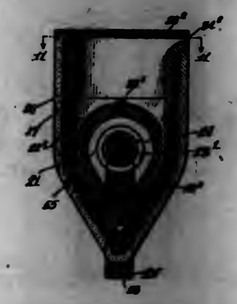
2,120,222
**NONINFLAMMABLE PLASTIC MASS**
Wilfrid Devonshire Spencer, Liverpool, and Frederic Thomas Walker, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 30, 1935, Serial No. 38,648. In Great Britain September 3, 1934
11 Claims. (Cl. 106—23)

1. A method of preparing plastic compositions which includes the steps of incorporating chlorinated rubber with an excess of chlorinated paraffin wax at an elevated temperature and then incorporating a further quantity of chlorinated rubber at an elevated temperature.

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2,120,223
**INDUCTION ELECTRIC FURNACE AND METHOD**
James B. Wyatt, Camden, N. J., assignor to Ajax Electric Furnace Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application August 15, 1934, Serial No. 739,967
8 Claims. (Cl. 13—29)

1. The method of heating and circulating a molten resistor within metallic channel resistor walls and thence into a pool of molten metal which consists in casing the molten resistor in a nonmagnetic metal alloy predominantly iron, having low permeability, high resistivity and a surface free from contamination by the molten metal of the resistor content at the temperatures intended and in inducing secondary current divided between the nonmagnetic ferrous alloy of the channel and the molten metal resistor content of the channel, whereby the molten resistor is heated by conduction from the channel walls and is heated additionally, and is circulated from the metallic channel into the pool, by current flowing within the molten resistor.



6. A fluid-tight resistor casing comprising an electrically closed channel casing forming a path for molten metal, whose channel walls are of an austenitic ferrous alloy predominantly iron, having high resistivity and low permeability and walls forming a pool connected with the closed channel whereby in operation the molten metal in the channel is kept submerged by the metal in the pool.





2,120,224
**DERRICK STRUCTURE**
William Schwemlein, Parkersburg, W. Va., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va., a corporation of West Virginia
Continuation of application Serial No. 74,777, April 16, 1936. This application January 18, 1938, Serial No. 185,618
6 Claims. (Cl. 189—16)

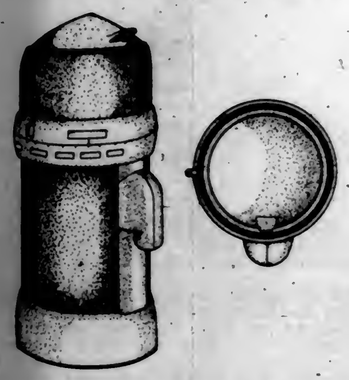


1. A well drilling derrick comprising a plurality of legs and being relatively slightly tapered to decrease in size from its lower end to a point intermediate its height and being tapered to a relatively greater degree to decrease in size upwardly from such intermediate point, the degrees of taper above and below said intermediate point being respectively greater and less than the taper of a conventional drilling derrick, and a working platform arranged adjacent such intermediate point.

# DESIGNS

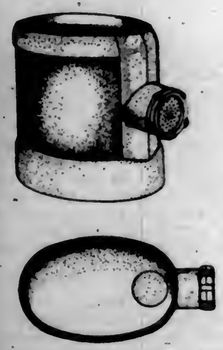
JUNE 7, 1938

**109,971**
**DESIGN FOR A COFFEE GRINDER**
George P. Anderson and Douglas G. Anderson, Detroit, Mich., assignors to The Standard Computing Scale Company, Detroit, Mich., a corporation of Michigan
Application December 23, 1937, Serial No. 73,835
Term of patent 14 years



The ornamental design for a coffee grinder, as shown.

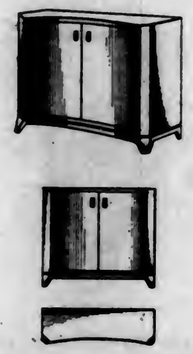
**109,972**
**DESIGN FOR A COMBINED POWER UNIT CASING, MEAT CHOPPER, AND PAN**
George P. Anderson and Douglas G. Anderson, Detroit, Mich., assignors to The Standard Computing Scale Company, Detroit, Mich., a corporation of Michigan
Application December 23, 1937, Serial No. 73,836
Term of patent 14 years



The ornamental design for a combined power unit casing, meat chopper, and pan, substantially as shown.

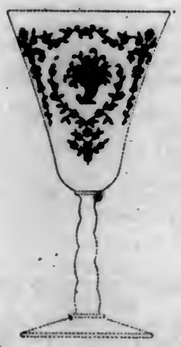


**109,973**
**DESIGN FOR A CABINET OR SIMILAR ARTICLE**
Alfons Bach, New York, N. Y.
Application March 11, 1938, Serial No. 75,759
Term of patent 7 years



The ornamental design for a cabinet or similar article as shown and described.

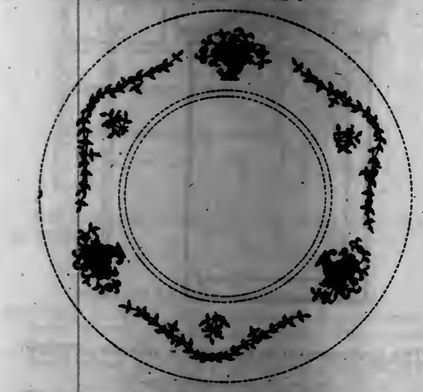
**109,974**
**DESIGN FOR A GOBLET OR SIMILAR ARTICLE**
Edgar M. Bottome, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 14, 1938, Serial No. 76,490
Term of patent 3½ years



The ornamental design for a goblet or similar article, substantially as shown and described.



**109,975**
**DESIGN FOR A PLATE OR SIMILAR ARTICLE**
Edgar M. Bottome, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 14, 1938, Serial No. 76,491
Term of patent 3½ years



The ornamental design for a plate or similar article, substantially as shown and described.

**109,976**
**DESIGN FOR A CASKET**
Joseph A. Christian, Chicago, Ill.
Application April 11, 1938, Serial No. 76,429
Term of patent 3½ years



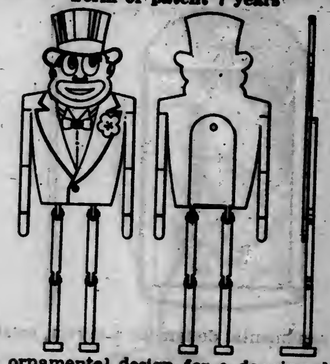
The ornamental design for a casket, as shown.

**109,977**
**DESIGN FOR A CASKET**
Joseph A. Christian, Chicago, Ill.
Application April 11, 1938, Serial No. 76,430
Term of patent 3½ years



The ornamental design for a casket, as shown.

**109,978**
**DESIGN FOR A DANCING DOLL**
Clarence Leon Craven, Detroit, and Silvester Ciccone and Jay G. Miller, Highland Park, Mich.
Application March 3, 1938, Serial No. 75,562
Term of patent 7 years



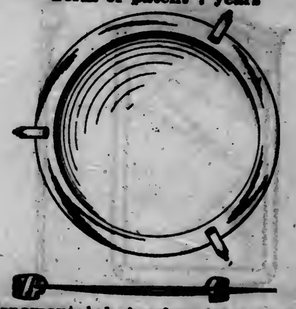
The ornamental design for a dancing doll, as shown.

**109,979**
**DESIGN FOR A PITCHER**
Lurelle Guild, Noroton, Conn.
Application April 13, 1938, Serial No. 76,461
Term of patent 7 years



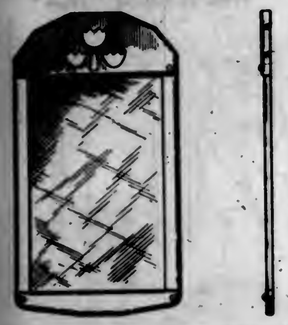
The ornamental design for a pitcher as shown.

**109,980**
**DESIGN FOR A PLATTER**
Lurelle Guild, Noroton, Conn.
Application April 13, 1938, Serial No. 76,462
Term of patent 7 years



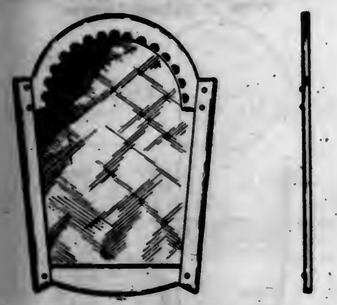
The ornamental design for a platter, as shown.

109,961
**DESIGN FOR A MIRROR**
William J. Hickerson, Philadelphia, Pa.
Application April 28, 1938, Serial No. 76,785
Term of patent 3½ years



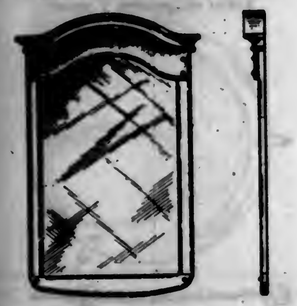
The ornamental design for a mirror, as shown.

109,962
**DESIGN FOR A MIRROR**
William J. Hickerson, Philadelphia, Pa.
Application April 28, 1938, Serial No. 76,786
Term of patent 3½ years



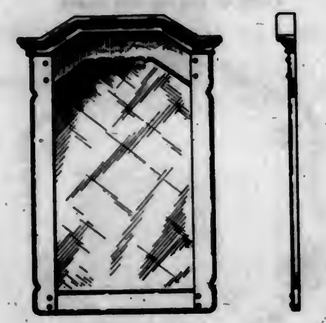
The ornamental design for a mirror, as shown.

109,963
**DESIGN FOR A MIRROR**
William J. Hickerson, Philadelphia, Pa.
Application April 28, 1938, Serial No. 76,787
Term of patent 3½ years



The ornamental design for a mirror as shown.

109,964
**DESIGN FOR A MIRROR**
William J. Hickerson, Philadelphia, Pa.
Application April 28, 1938, Serial No. 76,788
Term of patent 3½ years



The ornamental design for a mirror as shown.

109,965
**DESIGN FOR A CHEST OF DRAWERS**
William J. Hickerson, Philadelphia, Pa.
Application April 28, 1938, Serial No. 76,789
Term of patent 3½ years



The ornamental design for a chest of drawers, as shown.

109,966
**DESIGN FOR A CHEST OF DRAWERS**
William J. Hickerson, Philadelphia, Pa.
Application April 28, 1938, Serial No. 76,790
Term of patent 3½ years



The ornamental design for a chest of drawers, as shown.



109,967
**DESIGN FOR A CHEST OF DRAWERS**
William J. Hickerson, Philadelphia, Pa.
Application April 28, 1938, Serial No. 76,791
Term of patent 3½ years



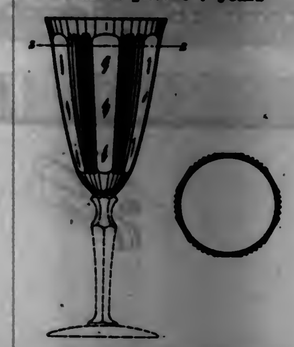
The ornamental design for a chest of drawers, as shown.

109,968
**DESIGN FOR A JUVENILE CAR**
Rudolph A. Klatt, Tonawanda, N. Y., assignor to Auto-Wheel Coaster Company, Inc., North Tonawanda, N. Y.
Application March 31, 1938, Serial No. 76,211
Term of patent 7 years



The ornamental design for a juvenile car, as shown.

109,969
**DESIGN FOR A GOBLET OR SIMILAR ARTICLE**
Rowena Reed Kestelloo, Pittsburgh, Pa., assignor to United States Glass Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application April 2, 1938, Serial No. 76,383
Term of patent 7 years



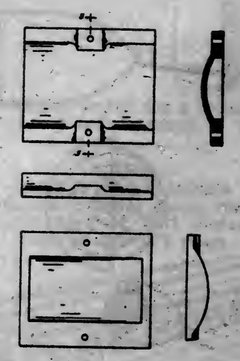
The ornamental design for a goblet or similar article, substantially as shown and described.

109,990
**DESIGN FOR A GOBLET**
Norman Moll, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 22, 1938, Serial No. 76,767
Term of patent 7 years



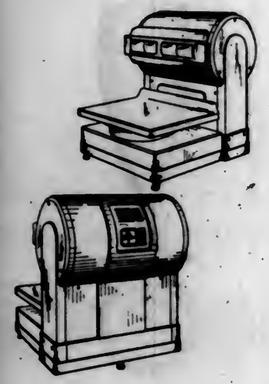
The ornamental design for a goblet, substantially as shown.

109,991
**DESIGN FOR A FRAME FOR DISPLAY CARDS**
Fred J. Signet, Venice, Calif.
Application March 19, 1938, Serial No. 75,974
Term of patent 7 years



The ornamental design for a frame for display cards, as shown.

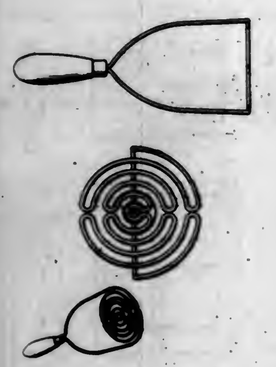
**109,992**
**DESIGN FOR A SCALE CASING**
Harold L. van Doren, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application November 18, 1937, Serial No. 72,993
Term of patent 14 years



The ornamental design for a scale casing as shown.

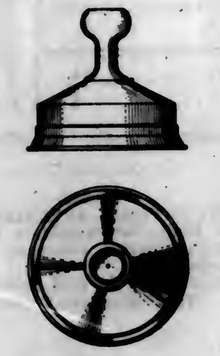
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**109,993**
**DESIGN FOR A POTATO MASHER**
Henry T. Warner, Chicago, Ill.
Application February 10, 1938, Serial No. 75,936
Term of patent 7 years



The ornamental design for a potato masher, as shown.

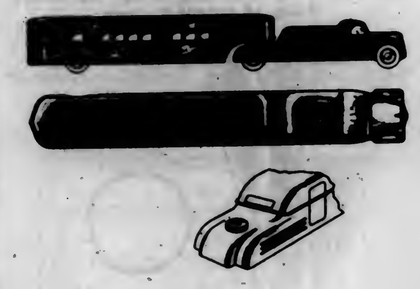
**109,994**
**DESIGN FOR A LID FOR A COOKING POT OR SIMILAR ARTICLE**
Fred Calvin Worrall, Oswego, Oreg.
Application March 4, 1938, Serial No. 75,587
Term of patent 7 years



The ornamental design for a lid for a cooking pot or similar article, as shown.

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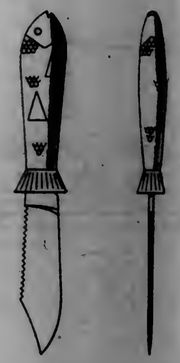
**109,995**
**DESIGN FOR A VEHICLE**
Alexis de Sakhnoffsky, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application October 29, 1936, Serial No. 65,569
Term of patent 14 years



The ornamental design for a vehicle substantially as shown and described.



**109,996**
**DESIGN FOR A FISH KNIFE OR SIMILAR ARTICLE**
Albert M. Baer, New York, N. Y.
Application November 11, 1937, Serial No. 72,809
Term of patent 7 years



The ornamental design for a fish knife or similar article substantially as shown.

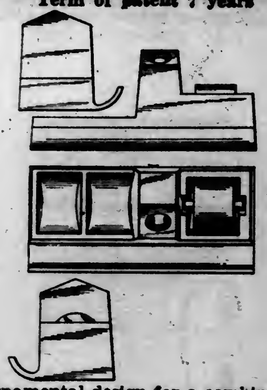
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**109,997**
**DESIGN FOR A GLOVE**
Marinette Blanc, New York, N. Y., assignor to Fownes Brothers & Co. Incorporated, New York, N. Y., a corporation of New York
Application April 7, 1938, Serial No. 76,350
Term of patent 3½ years



The ornamental design for a glove, substantially as shown and described.

**109,998**
**DESIGN FOR A COMBINATION DESK UNIT**
Alfred E. Detwiler, Lake Worth, Fla.
Application March 10, 1938, Serial No. 75,739
Term of patent 7 years



The ornamental design for a combination desk unit as shown.

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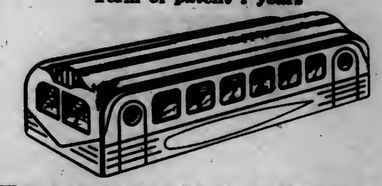
**109,999**
**DESIGN FOR A SPACE HEATER OR THE LIKE**
Herschel S. Frasher, Leroy, Ohio, assignor to The Viking Manufacturing Company, Akron, Ohio, a corporation of Ohio
Application August 19, 1937, Serial No. 71,186
Term of patent 7 years



The ornamental design for a space heater or the like as shown and described.

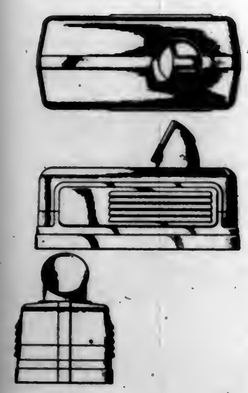
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**110,000**
**DESIGN FOR A DINER**
Bertron G. Harley, Saco, Maine
Application November 17, 1937, Serial No. 72,965
Term of patent 7 years



The ornamental design for a diner as shown and described.

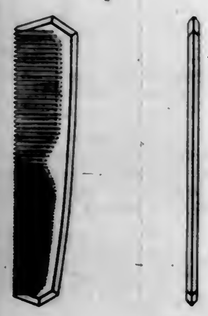
**110,001**
**DESIGN FOR A CASING FOR ELECTRIC AIR DRIERS**
**Elmer S. Hewitt, Niles Center, Ill.**
**Application April 4, 1938, Serial No. 76,277**
**Term of patent 7 years**



The ornamental design for a casing for an electric air drier, as shown.

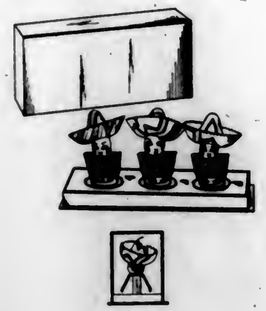
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**110,002**
**DESIGN FOR A COMB OR SIMILAR ARTICLE**
**Julius Kahn, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**Application February 24, 1938, Serial No. 75,386**
**Term of patent 7 years**



The ornamental design for a comb or similar article, substantially as shown.

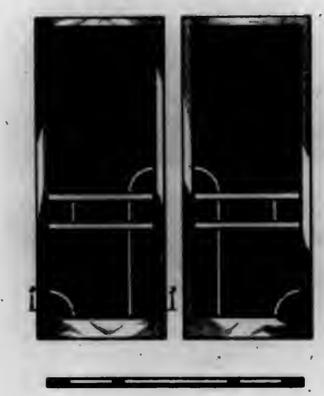
**110,003**
**DESIGN FOR A COMBINATION CONTAINER FOR PERFUMES**
**Robert B. Karoff, New York, N. Y.**
**Application September 21, 1937, Serial No. 71,704**
**Term of patent 3½ years**



The ornamental design for a combination container for perfumes as shown and described.

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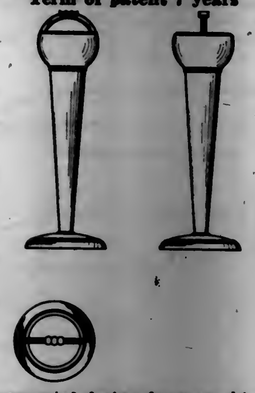
**110,004**
**DESIGN FOR A SCREEN DOOR**
**Edward C. Klaiber, Memphis, Tenn., assignor to Wabash Screen Door Company, Chicago, Ill., a corporation of Minnesota**
**Application March 7, 1938, Serial No. 75,645**
**Term of patent 14 years**



The ornamental design for a screen door, as shown.



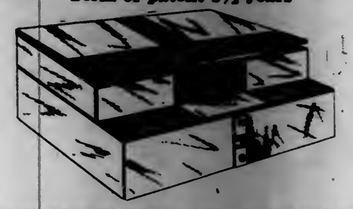
**110,005**
**DESIGN FOR A SMOKING STAND**
**Onnie Mankki, Cleveland Heights, Ohio**
**Application March 14, 1938, Serial No. 75,806**
**Term of patent 7 years**



The ornamental design for a smoking stand as shown.

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**110,006**
**DESIGN FOR A COMBINED MAKE-UP BOX AND MIRROR**
**Carroll K. Marcell, New York, N. Y.**
**Application February 3, 1938, Serial No. 74,841**
**Term of patent 3½ years**



The ornamental design for a combined make-up box and mirror, as shown, and described.

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**110,007**
**DESIGN FOR A LIST FINDER**
**Albert E. Pollock, New York, N. Y.**
**Application April 2, 1938, Serial No. 76,253**
**Term of patent 7 years**



The ornamental design for a list finder, as shown.

**110,008**
**DESIGN FOR A HANDBAG**
**Gustav G. Rona, Trenton, N. J., assignor to King Innovations, Incorporated, New York, N. Y., a corporation of New York**
**Application April 4, 1938, Serial No. 76,268**
**Term of patent 7 years**



The ornamental design for a handbag, substantially as shown and described.

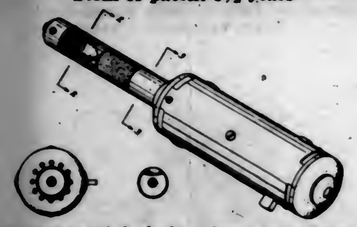
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**110,009**
**DESIGN FOR A BADGE**
**Charles Howard Rowton, Palatka, Fla., assignor to The American Legion Department of Florida, Inc., Palatka, Fla., a corporation of Florida**
**Application April 4, 1938, Serial No. 76,291**
**Term of patent 14 years**




The ornamental design for a badge, as shown.

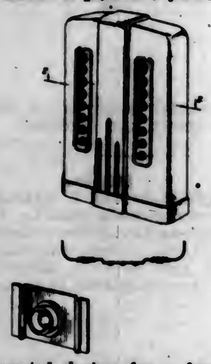
110,010
**DESIGN FOR A MANICURE IMPLEMENT**
Philip F. Accocella, Brooklyn, N. Y.
Application July 14, 1937, Serial No. 70,422
Term of patent 3½ years



The ornamental design for a manicure implement substantially as shown and described.

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110,011
**DESIGN FOR A FRONT PANEL FOR AN ELECTRIC ARC WELDER**
Clifford M. Akins, Minneapolis, Minn., assignor to Marquette Manufacturing Co. Inc., Minneapolis, Minn., a corporation of Minnesota
Application October 4, 1937, Serial No. 71,957
Term of patent 7 years



The ornamental design for a front panel for an electric arc welder substantially as shown.

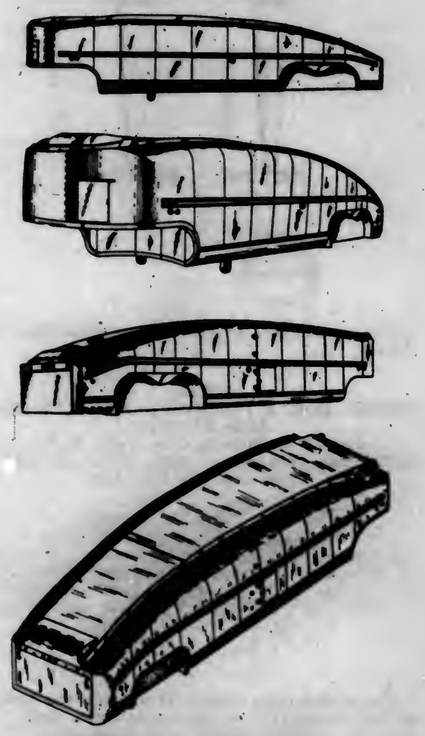
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110,012
**DESIGN FOR A SHOE**
Jerome Edson Andrews, Andover, Mass.
Application April 21, 1938, Serial No. 76,674
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

110,013
**DESIGN FOR AN AUTOMOBILE TRANSPORT BODY**
William E. Baker, Detroit, Mich., assignor to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan
Application April 12, 1937, Serial No. 68,712
Term of patent 14 years



The ornamental design for an automobile transport body substantially as shown and described.

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110,014
**DESIGN FOR A SERVICE BAR BACK COUNTER**
Giraud W. Behrel, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application December 11, 1937, Serial No. 73,533
Term of patent 3½ years



The ornamental design for a service bar back counter as shown.



110,015
**DESIGN FOR A SERVICE BAR BACK COUNTER**
Giraud W. Behrel, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application December 11, 1937, Serial No. 73,534
Term of patent 3½ years



The ornamental design for a service bar back counter as shown.

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110,016
**DESIGN FOR A COMMEMORATIVE EMBLEM OR SIMILAR ARTICLE**
Arthur Brown, Jr., Hillsborough, Calif., assignor to San Francisco Bay Exposition, San Francisco, Calif., a corporation of California
Application February 8, 1938, Serial No. 74,954
Term of patent 3½ years




The ornamental design for a commemorative emblem or similar article as shown and described.

110,017
**DESIGN FOR A COMBINED TABLE AND RADIO SET**
Daniel J. Crowley, Grosse Pointe, Mich.
Application March 14, 1938, Serial No. 75,812
Term of patent 14 years



The ornamental design for a combined table and radio set substantially as shown and described.

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110,018
**DESIGN FOR A COMBINED TABLE AND RADIO SET**
Daniel J. Crowley, Grosse Pointe, Mich.
Application March 14, 1938, Serial No. 75,813
Term of patent 14 years



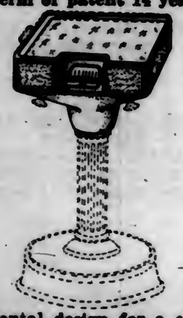
The ornamental design for a combined table and radio set substantially as shown and described.

110,019
**DESIGN FOR A COMBINED TABLE AND RADIO RECEIVING SET**
Daniel J. Crowley, Grosse Pointe, Mich.
Application April 4, 1938, Serial No. 76,284
Term of patent 14 years



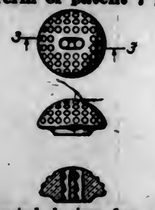
The ornamental design for a combined table and radio receiving set substantially as shown and described.

110,020
**DESIGN FOR A COMBINED TABLE AND RADIO RECEIVING SET**
Daniel J. Crowley, Grosse Pointe, Mich.
Application April 4, 1938, Serial No. 76,285
Term of patent 14 years



The ornamental design for a combined table and radio receiving set substantially as shown and described.

110,021
**DESIGN FOR A BUTTON**
Arthur F. Donovan, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut
Application October 5, 1937, Serial No. 71,981
Term of patent 7 years



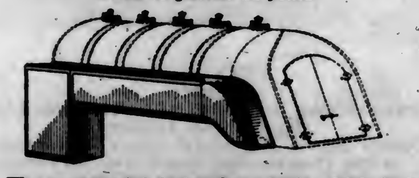
The ornamental design for a button as shown and described.

110,022
**DESIGN FOR A GONDOLA TRAY**
Louis Farber, Yonkers, N. Y.
Application March 21, 1938, Serial No. 75,998
Term of patent 3½ years



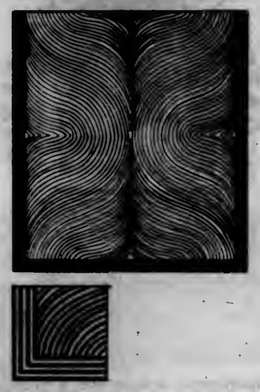
The ornamental design for a gondola tray substantially as shown.

110,023
**DESIGN FOR A TANK VEHICLE BODY**
Allan E. Ferguson, Joliet, Ill., assignor to Farrell Manufacturing Company, Joliet, Ill., a corporation of Illinois
Application August 6, 1936, Serial No. 64,271
Term of patent 14 years



The ornamental design for a tank vehicle body substantially as shown and described.

110,024
**DESIGN FOR A SPREAD OR SIMILAR ARTICLE**
Marie F. Hauck, Chicago, Ill., assignor to Walter M. Gotsch Company, Chicago, Ill., a corporation of Illinois
Application April 4, 1938, Serial No. 76,281
Term of patent 3½ years



The ornamental design for a spread or similar article, as shown.



110,025
**DESIGN FOR A CASING FOR AN OZONIZER**
Hans V. Hjermstad and Philmore F. Sperry, Chicago, Ill., assignors to Federal Electric Company, Chicago, Ill., a corporation of New York
Application March 15, 1938, Serial No. 75,838
Term of patent 14 years



The ornamental design for a casing for an ozonizer, as shown.

110,026
**DESIGN FOR A SWEATER ENSEMBLE**
Mee J. Kasper, New York, N. Y.
Application May 17, 1938, Serial No. 77,241
Term of patent 3½ years



The ornamental design for a sweater ensemble, substantially as shown.

110,027
**DESIGN FOR A CAMERA OR SIMILAR ARTICLE**
George Kende, New York, and Philip J. Brownscombe, East Orange, N. J., assignors to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application April 2, 1938, Serial No. 76,237
Term of patent 14 years



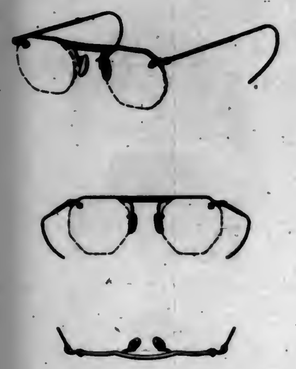
The ornamental design for a camera or similar article, substantially as shown.

110,028
**DESIGN FOR A CAMERA OR SIMILAR ARTICLE**
George Kende, New York, and William E. Yevick, Brooklyn, N. Y., assignors to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application April 14, 1938, Serial No. 76,500
Term of patent 14 years



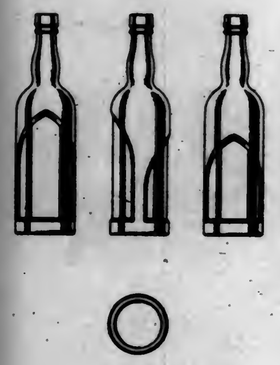
The ornamental design for a camera or similar article, substantially as shown.

110,029
**DESIGN FOR A PAIR OF SPECTACLES OR SIMILAR ARTICLES**
Lloyd H. Kirk, Cranston, and Charles Picaffo, Providence, R. I., assignors to Martin-Copeland Company, Providence, R. I., a trusteeship composed of Edgar W. Martin, E. Cornell Martin, and Laurence C. Martin
Application December 17, 1937, Serial No. 73,686
Term of patent 7 years



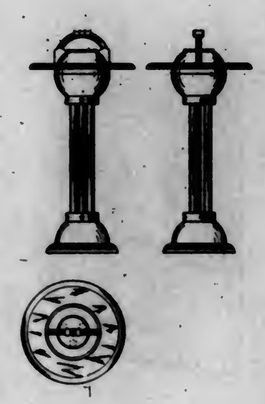
The ornamental design for a pair of spectacles or similar articles, substantially as shown and described.

110,030
**DESIGN FOR A BOTTLE**
Harry Lilienthal, New York, N. Y.
Application April 8, 1938, Serial No. 76,376
Term of patent 14 years



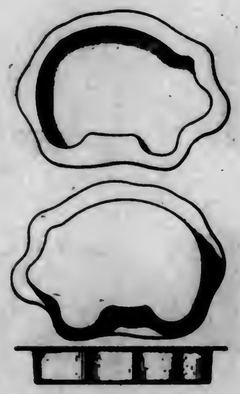
The ornamental design for a bottle as shown.

110,031
**DESIGN FOR A SMOKING STAND**
Ossie Mankki, Cleveland Heights, Ohio
Application March 14, 1938, Serial No. 75,807
Term of patent 7 years



The ornamental design for a smoking stand, as shown.

110,032
**DESIGN FOR A BAKING PAN**
Hugh McKay, Miami, Fla.
Application March 17, 1938, Serial No. 75,904
Term of patent 7 years



The ornamental design for a baking pan, as shown.



110,033
**DESIGN FOR A TAX TOKEN DISPENSING MACHINE**
Ora F. Murphy, Minneola, Kans.
Application November 1, 1937, Serial No. 72,542
Term of patent 7 years



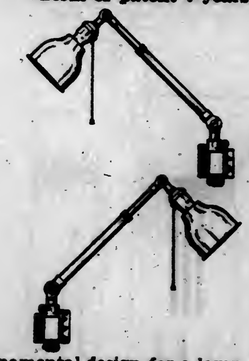
The ornamental design for a tax token dispensing machine, as shown.

110,034
**DESIGN FOR A BOTTLE OR SIMILAR CONTAINER**
Edwin T. Reynolds, West Englewood, N. J., assignor to Lorr Laboratories, Inc., Paterson, N. J., a corporation of New Jersey
Application April 9, 1938, Serial No. 76,397
Term of patent 14 years



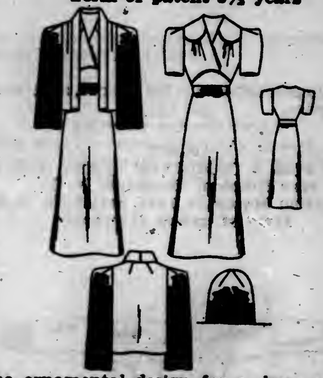
The ornamental design for a bottle or similar container substantially as shown.

110,035
**DESIGN FOR A LAMP**
Samuel Weldon Rosenthal, New York, N. Y.
Application February 21, 1938, Serial No. 75,292
Term of patent 7 years



The ornamental design for a lamp, as shown.

110,036
**DESIGN FOR A DRESS ENSEMBLE**
Philip Schlessel, New York, N. Y.
Application April 29, 1938, Serial No. 76,859
Term of patent 3½ years



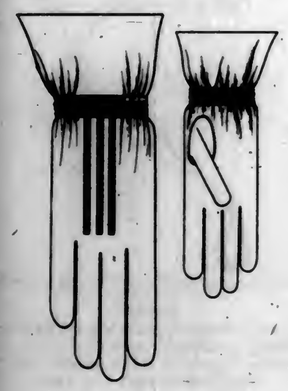
The ornamental design for a dress ensemble, substantially as shown and described.

110,037
**DESIGN FOR A VELOCIPEDE STEP PLATE**
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application March 21, 1938, Serial No. 75,996
Term of patent 7 years



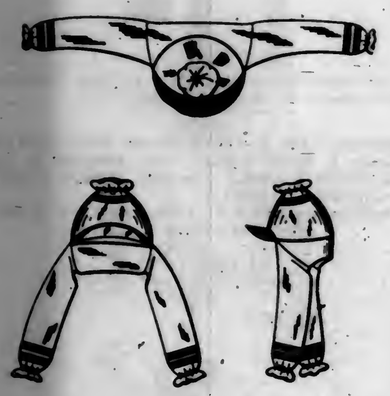
The ornamental design for a velocipede step plate, substantially as shown.

110,038
**DESIGN FOR A GLOVE**
Sylvan M. Straus, Gloversville, N. Y.
Application April 22, 1938, Serial No. 76,684
Term of patent 3½ years



The ornamental design for a glove, substantially as shown.

110,039
**DESIGN FOR A COMBINED SCARF AND CAP**
Max Stuchin, Brooklyn, N. Y.
Application March 31, 1938, Serial No. 76,202
Term of patent 3½ years



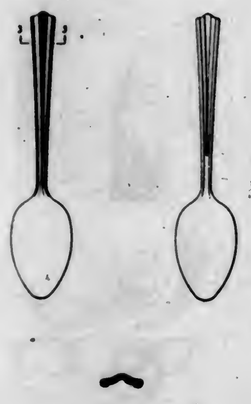
The ornamental design for a combined scarf and cap, as shown.

110,040
**DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE**
Gabriel Virgile, Long Beach, N. Y.
Application March 15, 1938, Serial No. 75,825
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

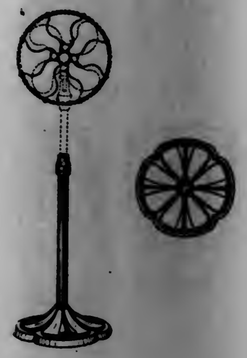
110,041
**DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE**
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application April 11, 1938, Serial No. 76,423
Term of patent 7 years



The ornamental design for a spoon or other article of flatware substantially as shown.

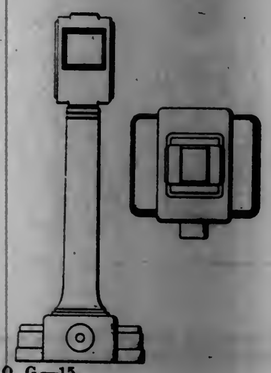


110,042
**DESIGN FOR AN AIR CIRCULATOR**
Walter E. Willey, St. Louis, Mo., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application October 21, 1937, Serial No. 72,350
Term of patent 14 years



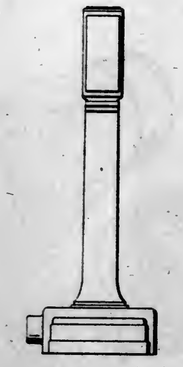
The ornamental design for an air circulator as shown and described.

110,043
**DESIGN FOR A COMPRESSED AIR DISPENSING CASING**
Joseph C. Woodford, Wayne, Pa., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware
Application February 16, 1938, Serial No. 75,174
Term of patent 14 years



401 O. G.—15

110,043—Continued



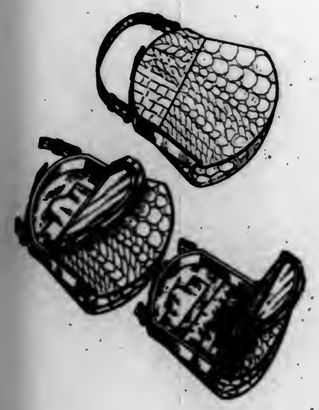
The ornamental design for a compressed air dispensing casing, as shown.

110,044
**DESIGN FOR A DOLL**
Alma Mae De Journette, Chattanooga, Tenn.
Application December 31, 1936, Serial No. 66,828
Term of patent 7 years



The ornamental design for a doll, as shown and described.

110,045
**DESIGN FOR A HANDBAG**
Florence N. Lewis, New York, N. Y.
Application May 5, 1938, Serial No. 77,004
Term of patent 3½ years



The ornamental design for a handbag as shown and described.

110,046
**DESIGN FOR A WINTERFRONT FOR AUTOMOBILES**
Willard L. Morrison, Lake Forest, Ill.
Application August 10, 1936, Serial No. 64,319
Term of patent 3½ years



The ornamental design for a winterfront for automobiles substantially as shown and described.

110,047
**DESIGN FOR A WINTERFRONT FOR AUTOMOBILES**
Willard L. Morrison, Lake Forest, Ill.
Application August 10, 1936, Serial No. 64,320
Term of patent 3½ years



The ornamental design for a winter front for automobiles substantially as shown and described.

110,048
**DESIGN FOR A WINTERFRONT FOR AUTOMOBILES**
Willard L. Morrison, Lake Forest, Ill.
Application August 10, 1936, Serial No. 64,321
Term of patent 3½ years



The ornamental design for a winterfront for automobiles substantially as shown and described.



110,049
**DESIGN FOR A WINTERFRONT FOR AUTOMOBILES**
Willard L. Morrison, Lake Forest, Ill.
Application August 10, 1936, Serial No. 64,324
Term of patent 3½ years



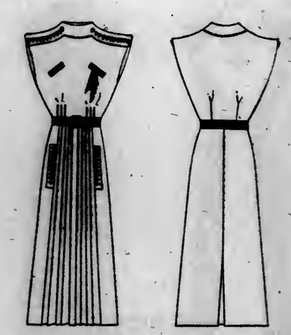
The ornamental design for a winterfront for automobiles substantially as shown and described.

110,050
**DESIGN FOR A WINTERFRONT FOR AUTOMOBILES**
Willard L. Morrison, Lake Forest, Ill.
Application August 10, 1936, Serial No. 64,326
Term of patent 3½ years



The ornamental design for a winterfront for automobiles substantially as shown and described.

110,051
**DESIGN FOR A DRESS**
Mary Armao, New York, N. Y.
Application May 13, 1938, Serial No. 77,140
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

110,052
**DESIGN FOR A DRESS**
Mary Armao, New York, N. Y.
Application May 13, 1938, Serial No. 77,141
Term of patent 3½ years



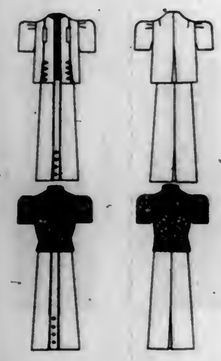
The ornamental design for a dress substantially as shown.

110,053
**DESIGN FOR A DRESS**
Mary Armao, New York, N. Y.
Application May 13, 1938, Serial No. 77,142
Term of patent 3½ years



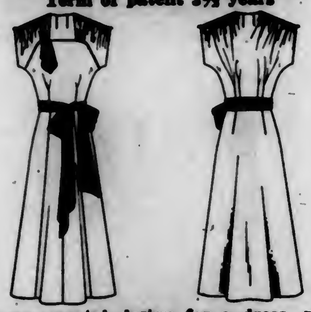
The ornamental design for a dress substantially as shown.

110,054
**DESIGN FOR A DRESS ENSEMBLE**
Tora Coleman, New York, N. Y.
Application May 20, 1938, Serial No. 77,286
Term of patent 3½ years



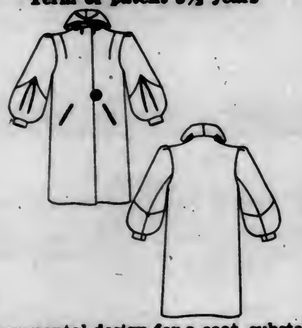
The ornamental design for a dress ensemble, substantially as shown and described.

110,055
**DESIGN FOR A DRESS**
Pauline Fracchia, New York, N. Y.
Application May 7, 1938, Serial No. 77,064
Term of patent 3½ years



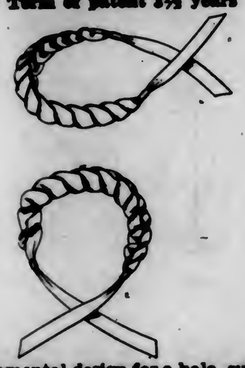
The ornamental design for a dress, substantially as shown, and described.

110,056
**DESIGN FOR A COAT**
Joseph Henschel, New York, N. Y.
Application April 16, 1938, Serial No. 76,562
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

110,057
**DESIGN FOR A HALO**
Carl Marc, Laurelton, N. Y.
Application March 12, 1938, Serial No. 75,780
Term of patent 3½ years



The ornamental design for a halo, substantially as shown.

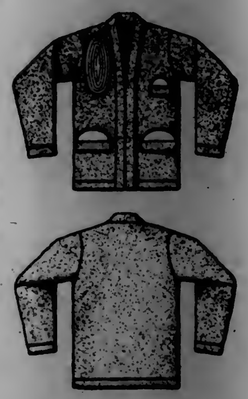


110,058
**DESIGN FOR A HAT OR SIMILAR ARTICLE**
Theodore J. Munderff, Honolulu, Territory of Hawaii, assignor to Hawaiian Pineapple Company, Honolulu, Territory of Hawaii
Application October 16, 1937, Serial No. 72,241
Term of patent 14 years



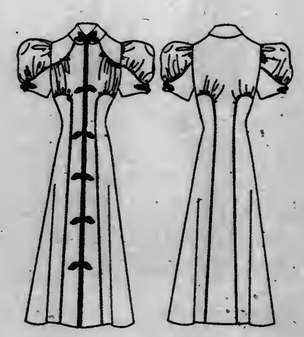
The ornamental design for a hat or similar article, as shown.

110,059
**DESIGN FOR A COAT**
Joseph M. Riordan, San Francisco, Calif., assignor to Gantner & Mattern Company, San Francisco, Calif., a corporation of California
Application April 29, 1938, Serial No. 76,843
Term of patent 7 years



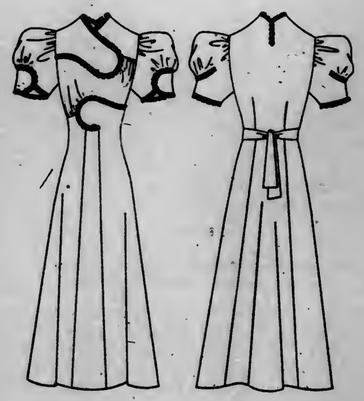
The ornamental design for a coat, as shown.

110,060
**DESIGN FOR A DRESS**
Morris Sobelman, St. Louis, Mo.
Application May 17, 1938, Serial No. 77,246
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

110,061
**DESIGN FOR A DRESS**
Morris Sobelman, St. Louis, Mo.
Application May 20, 1938, Serial No. 77,287
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

110,062
**DESIGN FOR A DRESS ENSEMBLE**
Ruth Williams, Chicago, Ill., assignor to Samuel Reich, Chicago, Ill.
Application March 28, 1938, Serial No. 76,140
Term of patent 3½ years



The ornamental design for a dress ensemble substantially as shown and described.

110,063
**DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE**
Arnold Zavell, New York, N. Y.
Application May 16, 1938, Serial No. 77,218
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

Patents Nos. 2,120,225 to 2,120,969

# THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 491—No. 2 TUESDAY, JUNE 14, 1938 Price—$16 per year

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## June 14, 1938

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| T. M. Renewals | 22 | | |
| Labels | 26—No. | 51,334 to No. | 51,361, inclusive. |
| Prints | 29—No. | 16,939 to No. | 16,960, inclusive. |
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| Patents | 735—No. | 2,120,235 to No. | 2,120,969, inclusive. |
| Designs | 74—No. | 110,064 to No. | 110,137, inclusive. |
| Total | 1,137 | | |

## NOTICE

[PUBLIC—No. 496—75TH CONGRESS]
[CHAPTER 186—3D SESSION]
[S. 477]
AN ACT

To prevent fraud, deception, or other improper practice in connection with business before the United States Patent Office, and for other purposes.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled*, That it shall be unlawful for any person who has not been duly recognised to practice before the United States Patent Office in accordance with the provisions of section 487 of the Revised Statutes (U. S. C., title 35, sec. 11) and the rules of the Patent Office to hold himself out or knowingly permit himself to be held out as a patent solicitor, patent agent, or patent attorney, or otherwise in any manner hold himself out, either directly or indirectly, as authorized to represent applicants for patent in their business before the Patent Office, and it shall be unlawful for any person who has, under the authority of section 487 of the Revised Statutes (U. S. C., title 35, sec. 11) been disbarred or excluded from practice before the Patent Office, and has not been reinstated, to hold himself out in any manner whatever as entitled to represent or assist persons in the transaction of business before the Patent Office or any division thereof; and any offense against the foregoing provision shall be a misdemeanor and be punished by a fine of not less than $50 and not exceeding $500.

Approved, May 9, 1938.

## Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., May 18, 1938.*

*The Chlorine Products Company, its assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of Albert H. Binash, 2820 West North Avenue, Chicago, Ill., to effect the cancellation of trade-mark registration No. 197,475, issued April 21, 1925, to The Chlorine Products Company, 805 North Senate Avenue, Indianapolis, Ind., and a notice of such proceeding sent by registered mail to said The Chlorine Products Company at said address having been returned by the post office as undeliverable, notice is hereby given that unless said The Chlorine Products Company, its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

U. S. PATENT OFFICE, *Washington, D. C., May 26, 1938.*

*Mildred Alice Berkeley, her assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of The Doerman Shoe Mfg. Co., South Milwaukee, Wis., to effect the cancellation of trade-mark registration No. 201,507 issued July 28, 1925, to Mildred Alice Berkeley, 1111 Grand Avenue, Kansas City, Mo., and a notice of such proceeding sent by registered mail to said Berkeley at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Berkeley, her assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

## Condition of Applications Under Examination at Close of Business May 28, 1938

(Total number of applications awaiting action, excluding Trade-Mark Division, † 5,442; Trade-Mark Division, 1,511. Oldest new case, Oct. 16, 1937; oldest amended, Sept. 30, 1937.)
(The dates given are 1938 except where † indicates 1937)

| Room No. | Divisions, Examiners, and Subjects of Inventions | Oldest new application and oldest action by applicant awaiting office action: New | Amended | No. of applications awaiting action |
|---|---|---|---|---|
| 6024 | 1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Presses; Gates; Tillage. | †Dec. 27 | †Dec. 27 | 766 |
| 6708 | 2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture. | †Dec. 27 | †Dec. 18 | 948 |
| 4000 | 3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces | Apr. 6 | Mar. 26 | 383 |
| 7080 | 4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes. | Feb. 11 | Feb. 21 | 516 |
| 3077 | 5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons | Mar. 2 | Feb. 28 | 624 |
| 4000C | 6. LEWERS, A. M., Carbon Chemistry (part) | Jan. 21 | Jan. 22 | 264 |
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| 2800 | 8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets | Feb. 11 | Feb. 16 | 609 |
| 4020 | 9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors | Mar. 9 | Mar. 5 | 431 |
| 6012 | 10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices. | Jan. 22 | Feb. 2 | 804 |
| 6087B | 11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather. | Feb. 8 | Feb. 15 | 511 |
| 7701 | 12. HENRY, C. O., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes. | †Nov. 11 | †Nov. 12 | 944 |
| 8000 | 13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling. | Jan. 19 | Jan. 19 | 814 |
| 8097 | 14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes. | Mar. 12 | Mar. 12 | 814 |
| 4007 | 15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics | Feb. 2 | Feb. 3 | 1,264 |
| 5710 | 16. SPENCER, C. J., Telegraphy; Telephony | Jan. 2 | Jan. 12 | 961 |
| 5701 | 17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting. | Feb. 3 | Jan. 20 | 777 |
| 4012 | 18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | Jan. 21 | Jan. 22 | 495 |
| 4000 | 19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners | Feb. 12 | Feb. 14 | 648 |
| 0000 | 20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making. | Feb. 11 | Feb. 14 | 412 |
| 7721 | 21. THOMPSON, T. J., Textiles; Cloth Finishing | Feb. 28 | Mar. 2 | 534 |
| 8000 | 22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | Feb. 28 | Feb. 28 | 661 |
| 7024 | 23. BUTTNER, W. J., Registers (part) | †Oct. 16 | †Sept. 30 | 324 |
| 6063 | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Feb. 18 | Feb. 22 | 635 |
| 5709 | 25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors. | Feb. 10 | Feb. 12 | 509 |
| 8000 | 26. YOUNG, R. R., Electricity, Generation; Motive Power | Jan. 31 | Feb. 2 | 533 |
| 5703 | 27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing | †Dec. 8 | †Dec. 8 | 1,038 |
| 4020 | 28. SOLYOM, H. L., Internal-Combustion Engines | Feb. 26 | Feb. 19 | 340 |
| 0063 | 29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables. | †Dec. 2 | †Dec. 6 | 986 |
| 4085 | 30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats | †Dec. 28 | †Dec. 28 | 833 |
| 4710 | 31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons | Feb. 26 | Feb. 26 | 538 |
| 4000 | 32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating | Feb. 21 | Feb. 21 | 574 |
| 0000 | 33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads | Feb. 28 | Feb. 3 | 775 |
| 0625 | 34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders. | Feb. 19 | Feb. 17 | 326 |
| 3570 | 35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles | Mar. 2 | Mar. 2 | 638 |
| 7000 | 36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers | †Dec. 27 | †Dec. 21 | 576 |
| 00013 | 37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits | †Dec. 1 | †Nov. 27 | 967 |
| 3004 | 38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions. | †Nov. 30 | †Nov. 30 | 808 |
| 4078 | 39. WHITNEY, P. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances. | Jan. 28 | Jan. 28 | 601 |
| 7000 | 40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles | Jan. 6 | Jan. 6 | 1,467 |
| 7012 | 41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part) | Feb. 2 | Jan. 24 | 319 |
| 8083 | 42. CUTTING, H. O., Electric Signaling | †Dec. 2 | †Nov. 11 | 738 |
| 4000B | 43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch. | Feb. 19 | Feb. 19 | 506 |
| 6087B | 44. HARVEY, L. P., Refrigeration; Dispensing Beverages | Jan. 3 | Jan. 3 | 736 |
| 7000 | 45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanisms; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles. | Jan. 26 | Jan. 26 | 830 |
| 4013 | 46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines. | Feb. 1 | Feb. 1 | 614 |
| 0023 | 47. LOWE, E. R. (Act.), Clutches; Brakes | Feb. 11 | Feb. 8 | 663 |
| 5731 | 48. ROEPKE, O. B., Electricity, General Applications; Igniters | Feb. 14 | Feb. 14 | 479 |
| 7726 | 49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification | †Nov. 15 | †Nov. 18 | 979 |
| 4701 | 50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products | Feb. 24 | Feb. 24 | 692 |
| 5628 | 51. BACKUS, C. D., Radiant Energy | Feb. 22 | Feb. 22 | 830 |
| 7709 | 52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits. | Feb. 19 | Feb. 18 | 834 |
| 0007 | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging. | Jan. 27 | Feb. 1 | 701 |
| 8074 | 54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes | Mar. 29 | Mar. 29 | 417 |
| 0000 | 55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery | †Dec. 28 | †Dec. 28 | 1,077 |
| 4725 | 56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making | †Dec. 30 | †Dec. 30 | 1,063 |
| 0013 | 57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys. | Feb. 8 | Feb. 3 | 497 |
| 0005 | 58. DOWELL, E. F., Abrading; Bottles and Jars | Mar. 2 | Feb. 28 | 320 |
| 4709 | 59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation. | Feb. 23 | Feb. 28 | 641 |
| 0000 | 60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants | Jan. 14 | Jan. 14 | 575 |
| 0704 | 61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery. | †Nov. 29 | †Dec. 8 | 726 |
| 8021 | 62. PUGH, E. C., Games; Geometrical Instruments | Mar. 11 | Mar. 2 | 569 |
| 0000 | 63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation | Feb. 25 | Feb. 26 | 327 |
| 4709 | 64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel. | Jan. 25 | Jan. 25 | 1,196 |
| 8012 | 65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission | Jan. 10 | Jan. 11 | 641 |
| 1000B | Trade-Mares, Labels, and Prints: F. A. RICHMOND | Apr. 13 | May 2 | 1,384 |
| | | May 23 | May 24 | 127 |
| 1005 | Designs: H. H. KALUPY | Apr. 22 | May 9 | 560 |



# DECISIONS IN PATENT AND TRADE-MARK CASES

## U. S. Court of Appeals for the District of Columbia

RAYTHEON MANUFACTURING COMPANY AND SMITH
*v.*
COE, COMMISSIONER OF PATENTS

*No. 6,753. Decided March 14, 1938*

68 App. D. C. ——

PATENTABILITY—ELECTRONIC DISCHARGE RECTIFIER.

Claims for an electronic discharge rectifier *Held* patentable, being so drawn as to avoid the charge that they are improperly functional.

APPEAL from the Supreme Court of the District of Columbia. Reversed.

*Mr. Delos G. Haynes, Mr. Paul A. Blair,* and *Mr. J. Harold Kilcoyne* for Raytheon Manufacturing Company et al.

*Mr. R. F. Whitehead* for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB, VAN ORSDEL, GRONER, and STEPHENS, Associate Justices

ROBB, *A. J.:*

Appeal from a decree in the Supreme Court of the District (now District Court of the United States for the District of Columbia) dismissing a bill in equity filed under the provisions of Sec. 4915, R. S. (35 U. S. C. A. Sec. 63) by Charles G. Smith and the Raytheon Manufacturing Company, as assignee, for the issuance of a patent containing, in addition to the nine claims allowed by the Patent Office, claims 40 and 41, reading as follows:

40. A gaseous discharge device comprising a tube containing a cathode, and means for rotating said discharge adjacent said cathode surface to maintain by centrifugal action a high pressure adjacent said cathode surface, whereby a low voltage discharge may be maintained between said cathode surface and said anode.

41. A unidirectional gaseous discharge device comprising an evacuated envelope containing gas, a cathode having an extended discharge surface producing an electron discharge to said anode during operation, and means for producing a magnetic field in the discharge space between said cathode surface and said anode to impart a gas movement in said envelope for producing a high pressure in the region adjacent said cathode surface, whereby a low voltage discharge may be maintained between said cathode surface and said anode.

On March 5, 1925, Smith filed in the Patent Office an application for an improvement in an electric device. On July 27, 1932, the application, containing nine claims, was allowed. Thereupon it was permitted to become forfeited under the provisions of Sec. 4885, R. S. (35 U. S. C. A. Sec. 41), and subsequently, within the time provided by Sec. 4897 R. S. (35 U. S. C. A. Sec. 88), it was renewed. The renewal application included the two claims (40 and 41) above quoted. The two additional claims were finally rejected by the Principal Examiner, whose decision was affirmed by the Board of Appeals. Whereupon the present suit was brought. Testimony was introduced and a hearing had in the court below, with the result already stated.

According to the record, the device of the application relates particularly to an electronic discharge rectifier of the type containing a cathode and an anode operating in an ionizable gaseous medium in an enclosed envelope or tube. Smith found that if the gas pressure or density adjacent the cathode electron-emitting surface was high and the gas pressure or density adjacent the anode surface was low, conditions in the rectifier would be as nearly ideal as possible to secure the maximum operation of the rectifier tube. It is claimed that the application discloses means for producing this differential pressure.

The device discloses a gas-filled tube T (drawing here reproduced) having a cathode C and an anode A. Cathode C, it is claimed, is so arranged that its inside surface emits electrons, the major portion of the emission coming from the side walls of the cathode adjacent. A relatively high pressure or density is maintained. The electrons coming from the cathode pass out through the opening E to the anode A. To maintain a high pressure or density adjacent to the side walls or emitting surfaces of the cathode, Smith conceived the idea of causing the gas within the hollow cathode C to whirl around at a very rapid rate, and thus maintain by centrifugal action the high pressure adjacent the emitting surface. To cause this whirling, a magnet coil M is placed around the cathode C. The lines of force created by the magnet M lie in a direction parallel to the axis of the tube T, each axis lying along two supporting members *a* and *c*. The arrangement existing in the tube, it is claimed, causes a force to be exerted on the electrons which tends to whirl them and, consequently, the entire discharge, inside the cathode C, produces centrifugal forces, which cause the gas particles to be thrown to the sides of the cathode and thus build up a high pressure or density adjacent the side walls.

It is contended that the particular arrangement described in the specification constitutes a rectifier in which conditions are particularly adapted for maximum operation of the device.

The Primary Examiner rejected claim 40 as being a functional or single means claim, and also rejected claims 40 and 41 upon references.

On appeal the Board stated that claims 40 and 41 had been rejected on two grounds, namely, on the ground that they failed to differentiate from Rankin, No. 838,273, and also that the claims are functional in form.

The Board further found that an inspection of claim 40 discloses that it includes as definite elements the tube containing a cathode and means for accomplishing certain functions or results, namely, that of rotating the discharge adjacent the cathode to maintain by centrifugal action a high pressure adjacent the cathode surface whereby a low voltage discharge may be maintained between the cathode surface and the anode. The Board further stated that if it be contended that the discharge in Rankin's apparatus would not rotate or whirl as in Smith's device, it must be because of the presence in Smith's device of some of the rather complex

detailed structure which is comprised therein. The Board concluded that the second ground of rejection is the main or more important ground, "in that applicant has grouped too much function under one broad term 'means';" that, as applicant's drawing illustrates, there is not merely one particular means beside the cathode but several, and it does not appear obvious from mere theory how many of these other elements might be necessary to accomplish all of the results stated in the functional portion of the claim.

It is quite apparent, we think, that the Board was not impressed with the pertinency of the Rankin patent as a reference. That patent (issued December 11, 1906) was approximately thirty years old and, in so far as appears, is merely a paper patent. The evidence tends to show that the cathode-ray tube of Rankin is essentially a very low current device, of the order of milliamperes, while the Smith device contemplates higher currents, of the order of amperes. The result being that the current in the Smith device is thousands of times the current in the Rankin device.

In its findings of fact the court below held that none of the prior art cited in the answer to the bill (Fischer, No. 1,328,041; Reisz, No. 1,050,763; Rankin, No. 838,273) discloses

"means for rotating said discharge adjacent said cathode surface to maintain by centrifugal action a high pressure adjacent said cathode surface",

as called for by claim 40. The court also found that none of the prior art cited (including of course the Rankin patent) discloses

"means for producing a magnetic field in the discharge space between said cathode surface and said anode to impart a gas movement in said envelope for producing a high pressure in the region adjacent said cathode surface",

as called for by claim 41. We concur in those findings. But the court also found as a matter of law that appellants are not entitled to the allowance of claims 40 and 41 because, in the court's view, they differentiate from the prior art only by functional statements.

It will be helpful to apply claim 40 to the Smith drawing as follows:

"A gaseous discharge device comprising a tube"—

such a tube is labeled T in the drawing.

"Containing a cathode",—

the member C.

"Means for rotating said discharge adjacent said cathode surface to maintain by centrifugal action a high pressure adjacent said cathode surface",—

referring to magnetic coil M.

"Whereby a low voltage discharge may be maintained between said cathode surface and said anode."

Claim 41:

"A unidirectional gaseous discharge device comprising",

alluding to a rectifier in which a gaseous discharge (according to the specification) is

"restricted to one direction." "An evacuated envelope",—

the tube T in the drawing.

"Containing gas",—

that is the mercury vapor from the drop D.

"A cathode having an extended discharge surface producing an electron discharge to said anode during operation",—

meaning the cathode C, producing the discharge to the anode A.

"And means for producing a magnetic field in the discharge space between said cathode surface and said anode to impart a gas movement in said envelope for producing a high pressure in the region adjacent said cathode surface",—

alluding to the electro-magnet M.

"Whereby a low voltage discharge may be maintained between said cathode surface and said anode."

That Smith has made a real contribution to the art is, we think, plain. The allowance of nine claims is evidence of that. It is also, we think, plain that we are dealing with elusive and intangible matter. It is not strange, therefore, that the inventor should have found it difficult to draw claims that would afford him protection commensurate with his contribution to the art. While it is incumbent upon an applicant plainly to state the scope of his invention or discovery in accordance with R. S. 4888 (35 U. S. C. A. Sec. 33), requiring that he

"shall particularly point out and distinctly claim the part, improvement, or combination which he claims as his invention or discovery"

(*Dyer* v. *Sound Studios of New York*, 85 F.(2d) 431; *Gilchrist* v. *Kar-Lac*, 29 F.(2d) 153; *Buono* v. *Yankee*, 77 F.(2d) 274), it should be kept in mind that claims are interpreted with reference to the specification and drawing. In the present case, we think the applicant has so drawn claims 40 and 41 as to avoid the charge that they are improperly functional.

The decree will be reversed.

Reversed.

Mr. Chief Justice MARTIN retired prior to the opinion and decision in this case and took no part therein.

Mr. Justice VAN ORSDEL died prior to this decision.

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## U. S. Court of Customs and Patent Appeals

WYLAND *v.* SIMONS

*No. 3,838. Decided December 23, 1937*

[93 F.(2d) 44]

INTERFERENCE—PRIORITY—RIGHT TO MAKE THE CLAIM. Record reviewed and *Held* that W, the applicant, could not make the claim in issue, and that priority was properly awarded to S, the patentee.

APPEAL from the Patent Office. Affirmed.

*Mr. George J. Schottler* for Wyland.

*Messrs. Ward, Crosby & Neal* (*Mr. Carl T. Mack, Mr. S. Mortimer Ward, Mr. S. Mortimer Ward, Jr.*, and *Mr. Raymond J. McElhannon*, of counsel) for Simons.

BLAND, *J.*:

This is an interference proceeding involving a single count copied by the party Wyland into his application from the party M. Simons' Patent No. 1,952,388. Wyland filed his application on October 29, 1927. Simons was restricted by his preliminary statement for his date of conception of the issue to a date subsequent to Wyland's filing date. After the institution of the interference, the Examiner of Interferences of the United States Patent Office ordered Simons to show cause why judgment on the record should not be entered against him. Thereupon, Simons filed a motion to dissolve the interference on two grounds: First, that the party Wyland had no right to make the count because his disclosure did not include the method of the count; second, that the count was not patentable over a patent to Baxter, No. 134,968, issued January 21, 1873, if interpreted so as to read on the Wyland disclosure. The motion was denied by the Primary Examiner who held that the count was fully supported by the Wyland disclosure and that Simons was "precluded to suggest the unpatentability of his own patented claim" and that in any event he regarded the claim as patentable over any references considered. The Examiner of Interferences then awarded priority of the invention to Wyland.

Simons appealed to the Board of Appeals which reversed the decision of the Examiner of Interferences.

Wyland has here appealed for a review of the decision of the Board.

The sole question in determining priority of the count involved depends upon the answer to the ancillary question as to whether or not the count is supported by the Wyland disclosure.

The invention involved relates to the art of making wire-drawing dies and especially to the method of mounting a quantity of very hard wear-resisting material in the center of the die, which hard material must be perforated and is used for cutting or abrading the wire as it is drawn through the die. Many different substances have been used for this purpose, the most common being an uncut diamond. Wyland in his application is particularly interested in using a diamond for the wearing or cutting element of the die, while the party Simons speaks of the cutting element as a nib which "may consist mainly of tungsten carbide or equivalent material."

The count of the interference, as it appears in the said patent to Simons, 1,952,388, is as follows:

1. The method of forming a drawing die, including the steps of preassembling a nib-forming block in a hollow metal casing, simultaneously heating the casing and block and while they are hot applying substantial compression force to said casing in a wire drawing direction while limiting the outward flow of the metal of the casing in a direction at right angles to the wire drawing direction, whereby the circumferential contraction of the inner wall of the casing places the nib under compression.

It was the position of Simons before the Patent Office tribunals, and it is his position here, that Wyland's disclosure does not meet the following requirements of the count:

1. A "nib-forming block."
2. The step of "pre-assembling a nib-forming block in a hollow metal casing."
3. The step of "limiting the outward flow of the metal of the casing in a direction at right angles to the wire drawing direction."
4. The step of placing the nib under compression by "circumferential contraction of the inner wall of the casing."

Neither of the tribunals below described in detail the structural elements comprising the disclosures of the two parties. We think the precise issue can be best understood by briefly describing the respective structures of the parties.



Simons, in the drawings and specification of the patent from which the count is derived, shows a holder block which is of extremely hard material having a socket therein slightly tapered from its mouth to its bottom and which is adapted to receive the nib and its immediate casing. A circular die plate rests upon the bottom of the socket. There is a hole through the circular die plate, the purpose of which is to permit the die and its casing to be forced out after the forging operation. The die casing, including the nib-forming material, is placed in the socket. Into the top of the casing is inserted a plunger of a percussion press. It is this plunger which comes in contact with the nib casing and the nib during the operation that brings about the shaping of the die. The patentee states:

* * * The force of the plunger transmitted endwise of the casing causes transverse flow of the material of the casing wall, thickening the latter and causing it to exert a very high pressure on the block of tungsten-carbide. As an incident of this forging operation, part of the material of the bevelled upper end of the casing is forced inwardly over the top of the block * * *.

The party Wyland has a structure that is quite different in most respects. It is his purpose to force metal around an irregularly shaped uncut diamond, and for this purpose he provides what he calls an investment plug for forming part of the encasement around the diamond. The investment plug of Wyland is inserted in a shell for forming part of the encasement. At the bottom of the opening in the shell is a circular groove extending outwardly from the perpendicular sides of the shell. In the bottom of the opening of the shell is an annular seat with a downwardly tapered vertex on which annular seat is placed the diamond. Around the casing and shell is placed a suitable retaining ring which holds the plug, shell, and diamond in position for the operation. When a plunger or plug is "rammed into the pocket upon and about the diamond" while the whole assembly is under high temperature, the melted metal which forms the first part of the casing described flows and is pressed in and around the diamond and also into the vertex of the annular seat at the bottom of the shell opening heretofore described.

The Board said:

The question before us for consideration is whether the count is supported by the Wyland disclosure. The subject matter relates to a method of forming a wire drawing die and in the Simons application, where the count originated, the material of the nib is a block of cylindrical form. In the Wyland application it is a rough diamond of irregular shape. The surrounding casing which causes the flow of the metal against the block in Simons is at right angles to the line of pressure while in Wyland a portion is at right angles and another portion at a different angle.

It is not deemed necessary to repeat in full appellant's reasons for contending that the count is not properly supported by the Wyland disclosure as these are fully set forth in the Simons brief.

We believe that the patent to Simons, No. 1,420,224, has a most important bearing on the situation and we shall now consider it. This patent was cited during the prosecution of the Simons application and in accordance with the rules, it should be considered in determining the meaning of the count. There is no question but that there is a substantial difference between the structures of the party Simons and the party Wyland and we are satisfied that the structure and disclosure of the Simons patent is more closely related to that of the party Wyland than it is to that of the party Simons.

If the count can be construed as broad enough to read upon the party Wyland's structure, we are convinced that it reads as well on that of the Simons patent.

We believe it is clear, therefore, that the count is unpatentable to the party Wyland and we do not consider that he should be awarded priority with this count as the issue.

As is noted in the above-quoted language of the Board, it was its view that if the count at bar was construed so broadly as to read upon the party Wyland's structure, it would read on the patent to A. Simons, No. 1,420,224. The Board called attention to the fact that this patent was cited during the prosecution of the M. Simons application and the Board regarded it as proper for a consideration of this matter in determining the meaning of the count. The Board concluded that if the construction contended for by Wyland was given to the count it would be unpatentable to the party Wyland.

Wyland here urges that Simons was not entitled to question the patentability of the count and supported the Examiner of Interferences in saying:

"The party Simons is precluded to suggest the unpatentability of his own patented claim even though he qualifies such statement that this is so only when the claim is given a broad interpretation as to the two expressions discussed above and as contended for by Wyland."

Wyland also urges that his disclosure shows a nib-forming block. The party Simons referred to the nib-forming block as being the cylindrical shaped body of tungsten carbide which is flattened at both ends. Wyland must necessarily regard his nib-forming block or the block from which the nib is made as the uncut diamond which is shown in the disclosure as rounded or egg-shaped.

It must be remembered at this point that the patent to A. Simons, which was prior art to both parties, showed an uncut diamond like that of Wyland. It seems to us that in determining the meaning of the term "nib-forming block," it is proper to consult the patent from which the count arose. We do not think that the term in the M. Simons patent can be given a meaning which is broad enough to embrace the diamond disclosure in the Wyland application. The Board has held that to construe the count as broadly as Wyland contends for would be a departure from the construction that was given when the claim was allowed over the prior art. We, upon consideration of the same question, are not convinced that the Board, in this respect, was in error. See *In re Nicolson*, 18 C. C. P. A. (Patents) 1468, 49 F.(2d) 961, 412 O. G. 838; *McIntyre* v. *Dodge*, 58 App. D. C. 278, 29 F.(2d) 861, 379 O. G. 3; Underwood's Interference Practice (1928), page 38; *Bernard* v. *White*, 24 C. C. P. A. (Patents) 1054, 88 F.(2d) 741, 484 O. G. 3.

Moreover, we are not impressed with the contention of Wyland that his structure responds to the clause

"while limiting the outward flow of the metal of the casing in a direction at right angles to the wire drawing direction, whereby the circumferential contraction of the inner wall of the casing places the nib under compression."

It is clear that the flowing of the metal of the casing in the party Simons' disclosure is confined to an inward flow which is at right angles to the wire drawing direction. In both disclosures the wire drawing direction is from the top to the bottom of the structure. It seems clear that when the cylindrical plug of Wyland, which is, in some respects, comparable to the nib-forming casing of Simons, melts at certain places, the molten metal does not flow at right angles to the wire drawing direction. We see no reason for believing that the melted metal will not freely flow into the aperture or groove which projects outwardly from the perpendicular sides of his cylindrical block.

Wyland shows at the top of the hollow cavity in the block an extended vertex which is an opening above the diamond into which the metal will flow from at least three directions and not necessarily in a direction at right angles to the wire drawing direction.

We think the Board properly held that Wyland could not make the count and properly awarded priority of the invention of the count to the party Simons.

After the original transcript of record had been certified from the Patent Office, appellee suggested a diminution thereof, and this court issued a writ of certiorari requiring that certain additions to the record be certified by the Commissioner of Patents and that the same be printed. Pursuant to said writ, said additions were made to the record. It is our view that the additional record so certified and printed was unnecessary to a proper determination of the issues in this case, and that the cost of printing the same should be taxed against the appellee, and it is so ordered.

The decision of the Board of Appeals is affirmed.

Affirmed.

GRAHAM, the late Presiding Judge, sat during the hearing of this case, but died before the opinion was prepared.

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## U. S. Court of Customs and Patent Appeals

IN RE MASON, deceased

(Swift & Company Fertilizer Works, a corporation of Delaware, assignee)

*No. 3,884. Decided February 7, 1938*

[94 F.(2d) 220]

1. APPLICATION—DISCLOSURE—ORIGINAL CLAIMS.
Original claims of an application are treated as part of the disclosure, whether or not all of their elements are found in the descriptive part of the specification.

2. PATENTABILITY—GENERIC CLAIMS IN BOTH CO-OWNED APPLICATION AND PRIOR PATENT NOT PERMITTED.
Claims for a method of separating the silicious and phosphatic constituents of oiled fine mineral phosphates *Held* properly rejected, being generic, as were also claims in an application upon which the common assignee has been granted a patent, to the two disclosures.

3. SAME—SEPARATING APPARATUS.
Claims for a separating apparatus *Held* unpatentable as reciting only a new and related use for apparatus disclosed in the prior art.

APPEAL from Patent Office. Affirmed.

*Mr. Roy W. Johns* for Mason.

*Mr. R. F. Whitehead* and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This appeal involves a review of a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting all of the claims of appellant's application, eight in number, upon the grounds hereinafter stated. Claims 1 and 2 are method claims, and claims 3 to 8, inclusive, are apparatus claims. Claims 1 and 3 are illustrative of the claims before us and read as follows:

1. The method of separating the silicious and phosphatic constituents of oiled fine mineral phosphates which comprises supplying said mineral to a screen under water, said screen having holes larger than the greater part of the phosphatic constituents, and imparting relative motion to said screen and mineral, whereupon the silicious constituents of the mineral pass through the screen and the phosphatic constituents thereof move along the screen under the water.

3. In separating apparatus for separating the silicious and phosphatic constituents of oiled fine mineral phosphates, a container, a movable screen within the container, means for maintaining a liquid level above the screen, means for supplying material to be separated to the screen, and means for imparting motion to the screen to effect separation of the material into a constituent passing through the screen and the constituent passing over the screen, said screen having holes larger than the greater part of the constituent passing over the same.

The references cited are: Fuller, 894,879, August 4, 1908; McCoy et al., 2,017,468, October 15, 1935.

The claimed invention is described in the Examiner's statement as follows:

This application relates to method and means for the concentration and recovery of phosphate values from sands or fine material. These fines are the material passing through screens of one-sixteenth to one-twentieth inch mesh. In the recovery of the mineral the material is first scoured and then the extremely fine slimes are washed therefrom through operation of well known processes. The material then has mixed with it a small proportion of an oil such as heavy petroleum tar or fuel oil, preferably containing soap or other emulsifying action. This oil-treated material is passed to a screen submerged below the surface of water. The mesh of the screen is of such size that all of the unoiled material will pass therethrough. When the oiled material is passed to the screen, the silica sand will continue to pass through the screen, but the phosphatic materials will no longer pass through the openings of the screen but will slide along the surface of the screen and may be recovered separately from the sand. The applicant does not give any explanation of this action. The apparatus is mounted in a tank provided with a sloping bottom. A cylindrical screen is arranged to rotate on an inclined axis in the tank with suitable provision for separately receiving the material passing over the screen from the material passing through the screen. The tank is provided with an overflow weir which is above the level of the bottom of the screen.

It appears that the application of appellant was involved in an interference with an application of George H. McCoy et al., interference No. 68,521, upon two counts reading as follows:

1. The method of separating phosphatic materials from sand and other impurities which consists in agglomerating the phosphatic material while leaving the sand and other impurities in their original physical form and causing the mass to pass down an inclined screen submerged in water, of a size permitting the sand and other impurities to pass therethrough and not the agglomerated phosphatic material.

2. The process which consists in mixing a mass of phosphatic material, sand and other impurities which exist in particles of substantially the same size, with an emulsion of oil, soap and water, whereby to agglomerate the phosphatic material to form particles of larger size, then passing the mass so treated over an inclined screen submerged in water and of a mesh size permitting the sand and impurities to pass therethrough and the agglomerated phosphatic material to pass thereover.

This interference was decided adversely to appellant upon a concession by him, as appears from the following letter of the Examiner of Interferences, dated May 17, 1935:

A concession by Mason, the senior party, to McCoy, Wright, and Hall, having been filed and said concession having been construed as covering all common patentable subject matter and otherwise found to comply with the requirements of rule 125, priority of invention of the subject matter in issue is hereby awarded to George H. McCoy, David M. Wright, and J. Pankey Hall, the junior party.

The said instrument is construed as a waiver of the right of appeal, and no time for appeal is therefore set.

In view of the above concession, the motions which were set to be heard before the Primary Examiner on May 15, 1935, are dismissed.

It appears that on May 24, 1935, appellant's application here involved was assigned to Swift & Company Fertilizer Works, a corporation, and that, Mason being deceased, this application is prosecuted by said corporation.

It further appears that at the time of the declaration of the interference, April 6, 1934, the said Swift & Company Fertilizer Works was, through assignment, the owner of the McCoy et al. application, and that on October 15, 1935, a patent was issued to said McCoy et al. as assignors to said Swift & Company Fertilizer Works, said patent being one of the two references cited in the instant case.

This patent discloses the same process as is disclosed by appellant, the only difference being that in appellant's application specific proportions of oil and soap are given as preferred, but the application states: "The oil, soap and water may be employed in any suitable proportions to secure an emulsion; * * *."

While the specification of the McCoy et al. patent, apart from the claims, does not disclose the use of a screen having holes larger than the greater part of the phosphate constituents, both claims 11 and 12 of the patent specifically include this element.

Counts 1 and 2 of the interference are claims 1 and 3 of said patent. In addition, ten other claims were included in the patent, among which are the following:

11. The method of separating the silicious and phosphatic constituents of fine mineral phosphates which comprises, oiling said fine mineral phosphates, supplying said mineral to a screen under water, said screen having holes larger than the greater part of the phosphatic constituents, and imparting relative motion to said screen and mineral, whereupon the silicious constituents of the mineral pass through the screen and the phosphatic constituents thereof move along the screen under the water.

12. The method of separating the silicious and phosphatic constituents of fine phosphate mineral which comprises, oiling said mineral, supplying said mineral to the upper end of an inclined screen under water, said screen having holes larger than the greater part of the phosphatic constituents, and imparting relative motion to said screen and the mineral, whereupon the silicious constituents of the mineral pass through the screen and the phosphatic constituents thereof move downward along the screen under the surface of the water.

It thus appears that, at the date of the issue of said patent, the party in interest here, Swift & Company Fertilizer Works, was the owner of both applications.

The patent to Fuller relates to a screen separator for separating graphite from its matrix, and discloses a container in which there is a rotary screen to which the material to be separated is fed from a hopper. The ore to be separated is stated to be crushed to "a sort of sandy gangue containing intermingled therewith the fine scales of graphite." The patent states that:

Graphite is segregated from its matrix very quickly and efficiently by this invention, especially when it is of the foliated variety occurring in minute scales in cleavage planes of quartzite. Such ore is reduced by crushing to a sort of sandy gangue containing intermingled therewith the fine scales of graphite. When such mass passes over the screen the sand which because of its greater specific gravity seeks the bottom, passes through the screen, while the graphite crystals tend to form an overlying layer and are washed along away from the sand and saved. * * *

The patent states that the apparatus is usable on dry ores under water.

Claims 1 and 2 of the instant application were rejected by the Examiner as being readable upon the disclosure of the winning party in the interference, McCoy et al., and also upon the ground that the assignee of said winning party, being also the assignee of appellant, had taken out a patent upon the McCoy et al. application containing claims 11 and 12 thereof, and that the assignee should not be permitted to take out another patent with claims such as 1 and 2 here involved, not patentably distinct from the claims already granted in the patent issued to said assignee.

With respect to claims 3 to 8, inclusive, the Examiner held that they were anticipated by the patent to Fuller, appellant merely putting to a new use the structure disclosed in that patent.

The Board of Appeals affirmed all the grounds of rejection advanced by the Examiner. The Board in its decision stated:

> The patent [to McCoy et al.] also contains method claims 11 and 12 which are substantially the same as claims 1 and 2 on appeal. These claims of the patent and of the application are similarly worded except that the claims of the patent include the step of oiling the fine mineral phosphates whereas the appealed claims do not positively include this initial step. However, they in effect require this step since they recite the succeeding steps as practiced on material containing oiled fine mineral phosphates. Claims 11 and 12 of the patent do not require the phosphatic constituents to be agglomerated but are broadly drawn in this respect, using the same language as is employed in appealed claims 1 and 2. The assignee of the instant application took out the McCoy et al. patent containing these claims 11 and 12 which, like appealed claims 1 and 2, are generic to the two disclosures. We believe under these circumstances that the Examiner properly held applicant not entitled to the allowance of claims 1 and 2.

We find no real distinction between appellant's process and that disclosed by McCoy et al. If the McCoy process results in agglomeration of the particles of phosphatic material, so will that of appellant. If, on the other hand, appellant's process will result in the coating of particles without agglomeration, so will that of McCoy et al.

[1] Appellant contends that claims 1 and 2 here involved further distinguish over the issue of the interference in that they contain the limitation of a screen having holes larger than the greater part of the phosphatic constituents. As hereinbefore stated, such limitation does appear in claims 11 and 12 of the patent, and presumably they were original claims, nothing to the contrary appearing in the record. In such cases claims are treated as part of the disclosure, whether or not all of their elements are found in the descriptive part of the specification. *In re Mosher*, 23 C. C. P. A. (Patents) 740, 79 F.(2d) 911, 1936 C. D. 90, 463 O. G. 463; *In re Smolak and McQuade*, 24 C. C. P. A. (Patents) 1132, 88 F.(2d) 838, 484 O. G. 738.

We must hold, therefore, that the element of screens having holes larger than the greater part of phosphate constituents was a part of the disclosure of the application of McCoy et al. involved in the said interference.

The only difference between claims 1 and 2 here involved and claims 11 and 12 of the McCoy et al. patent is that claims 1 and 2 omit claiming, as a step of the process, the oiling of the fine mineral phosphates, while claims 11 and 12 of the patent include it. However, as stated by the Board of Appeals, claims 1 and 2 in effect recite, without claiming, this step since the material to be operated upon contains oiled fine mineral phosphates.

It is well established that the decision in an interference proceeding is conclusive of every question that actually was presented therein, and also of every question that might have been presented and determined in that case. *In re Rhodes*, 23 C. C. P. A. (Patents) 816, 80 F.(2d) 525, 464 O. G. 712.

[2] We agree with the Board of Appeals that claims 11 and 12 of said patent and claims 1 and 2 of the application here involved are generic to the two disclosures, and, under all the facts disclosed, said claims 1 and 2 were properly rejected.

With respect to claims 3 to 8, inclusive, the Board of Appeals stated:

> Claims 3–8, inclusive, have been rejected on the patent to Fuller. These claims are drawn to the apparatus, but do not include any apparatus limitations distinguishing from Fuller. By their introductory clauses they point out that the apparatus is intended for use in separating the silicious and phosphatic constituents of oiled fine mineral phosphates, whereas Fuller's patent states that he contemplates using his apparatus for the separation of ores, and while it is applicable to various other varieties of ores, it particularly concerns the separation of graphite from its matrix. This reference to intended use in the introductory clause is not deemed as patentably differentiating the claims from the Fuller construction.

The only structural element embraced in the group of claims 3 to 8 not specifically disclosed in the Fuller patent is the provision that the screen has holes larger than the greater part of the constituents passing over the same.

Appellant contends that the Board of Appeals erred in not regarding as a positive element of the claims the introductory clauses, and that, when so considered, in connection with the limitation in mesh size of the screen, the claims are patentable. With regard to the mesh size of the screen the Board of Appeals stated:

> The claims of this group further state that the screen has holes larger than the greater part of the constituent passing over the same. Such statement does not define the size of the openings in such a manner as to distinguish from the Fuller construction. In each case the silicious material passes through the openings of the screen and therefore it is deemed a warranted conclusion that the screen openings in Fuller are commensurate in size with those in the application. In any event, any difference in this respect constitutes no more than a difference in degree and it is notoriously old to select screens having the desired size openings in view of their intended use. * * *

We are in agreement with this statement of the Board.

With respect to the introductory clauses of the claims, we are of the opinion that they no more than point out a new use for an apparatus disclosed by Fuller.

It is, of course, elementary patent law that a patentee is entitled to all the uses to which his device may be put, especially in uses so closely related as the uses of the apparatus of Fuller and that of appellant.

It is the general rule, often stated by us, that the preamble to a claim does not constitute a limitation upon structure, but merely states a purpose. *Braren* v. *Horner*, 18 C. C. P. A. (Patents) 971, 47 F.(2d) 358, 408 O. G. 825; *In re Beplate et al.*, 22 C. C. P. A. (Patents) 1232, 77 F.(2d) 506, 460 O. G. 502.

[3] Of course it is true that introductory phrases in claims should not be ignored, for they often are of assistance in giving significance to the language used in describing the individual elements, and sometimes they may in fact constitute an essential element in the invention claimed. *Hall* v. *Shimadzu*, 19 C. C. P. A. (Patents) 1288, 59 F.(2d) 225, 424 O. G. 330. However, in the case at bar we regard the introductory phrases of the claims as stating only the purpose for which the apparatus is to be used, and such apparatus being disclosed in the Fuller patent, appellant merely claims a new and related use for the apparatus disclosed by Fuller.

In our opinion the Board of Appeals came to the right conclusion with respect to all of the involved claims, and its decision is affirmed.

Affirmed.

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## Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,393,492, H. A. Brooks, Filter cleaning apparatus; 1,776,062, H. W. Blaisdell, Filter-bed cleaner, filed Apr. 16, 1938, D. C., E. D. Pa., Doc. 9981, *The Blaisdell Filtration Co.* v. *M. L. Bayard & Co., Inc., et al.*

1,473,813, C. C. Crispen, Elevator for stairway; 1,714,297, same, Elevator, D. C., S. D. N. Y., Doc. E 84/305, *C. C. Crispen et al.* v. *Sedgwick Machine Works, Inc.* Consent decree holding patents valid (notice Apr. 16, 1938).

1,513,637, M. Schwartz, Bushing; 1,633,555, F. R. Burgess, Container and sealing means therefor; 1,982,145, J. W. Shera, Closure device for metallic containers, D. C., E. D. Pa., Doc. 9797, *American Flange & Mfg. Co., Inc.*, v. *Rheem Mfg. Co. et al.* Consent decree granting injunction Apr. 23, 1938.

1,526,982, E. W. Hill, Stencil sheet, filed Mar. 26, 1938, D. C. Ind. (Indianapolis), Doc. E 1974, *A. B. Dick Co.* v. *Legend Products Co., Inc., et al.*

1,551,099, Goldsmith & Tubbs, Inflatable article, D. C., S. D. Ohio, W. Div., Doc. E 1013, *The P. Goldsmith Sons Co.* v. *S. F. & H. H. Hutchinson.* Dismissed without prejudice Apr. 26, 1938.

1,570,297, F. L. Dyer, Art of recording and reproducing sounds, D. C., S. D. N. Y., Doc. E 84/126, *F. L. Dyer* v. *Decca Records, Inc.* Consent order of discontinuance (notice Apr. 15, 1938).

1,570,364, J. Wieder, Sample tab, D. C., S. D. N. Y., Doc. E 86/172, *Standard Sample, Inc., et al.* v. *Textile Sample Card Co., Inc.* Consent decree for plaintiff (notice Apr. 20, 1938).

1,573,742, K. E. Peiler, Feeding molten glass, filed Apr. 8, 1938, D. C., E. D. Mo. (St. Louis), Doc. 12546, *Hartford-Empire Co.* v. *Obear-Nester Glass Co.*

1,579,628, Berg & Imhoff, Process of weighting fiber and the product thereof, C. C. A., 3d Cir., Doc. 6165, *Evans et al.* v. *Textile Dyeing & Printing Co. of America, Inc.* Decree affirmed Apr. 20, 1938.

1,583,046. (See Re. 17,263.)

1,633,555. (See 1,513,637.)

1,695,609, F. Richter, Tail-board and tail board mounting for trucks, filed Apr. 18, 1938, D. C., E. D. N. Y., Doc. E 8519, *Perfect Tailboards, Patented,* v. *Biltwell Auto Body Co., Inc.*

1,710,073, 1,714,191, S. Ruben, Electrical condenser, D. C., S. D. Calif., C. Div., Doc. E Y–65–RJ, *Ruben Condenser Co. et al.* v. *Universal Music Co.* Dismissed without prejudice Apr. 11, 1938.

1,714,191. (See 1,710,073.) 1,714,297. (See 1,473,813.)

1,715,523, W. S. Turner, Floor covering for automobiles; 1,715,525, W. S. Vrooman, same, D. C., E. D. Mich. (Detroit), Doc. 7211, *The Paine Williams Co.* v. *Baldwin Rubber Co.* Dismissed Apr. 15, 1938.

1,715,525. (See 1,715,523.)

1,721,391, W. H. Heise, Hearse, filed Apr. 22, 1938, D. C., N. D. Ill., W. Div., Doc. 624, *Henney Motor Co.* v. *The Eureka Co.*

1,760,665, D. E. Spathelf, Shoe, appeal filed Apr. 23, 1938, C. C. A., 8th Cir. (St. Louis), Doc. 11187, *Hamilton, Brown Shoe Co.* v. *Stix, Baer & Fuller Co. et al.*

1,776,062. (See 1,393,492.)

1,776,414, 1,931,978, C. Carlson, Hoisting apparatus, C. C. A., 2d Cir., Doc. —, *Carlson Hoist & Machine Co., Inc.*, v. *J. Valentine.* Decree affirmed (notice Apr. 11, 1938).

1,799,318, C. W. Rehback, Method of making fish tail bits; 2,056,319, G. G. Harrington, Drill bit, filed Apr. 26, 1938, D. C., W. D. Okla. (Oklahoma City), Doc. E 2066, *Reed Roller Bit Co.* v. *Green Head Bit & Supply Co.*

1,840,463. (See Re. 17,263.)

1,842,606, M. Hart, Identification for rubber goods; 1,875,582, J. R. Foley, Method and means for identifying rubber goods, D. C., S. D. N. Y., Doc. E 84/286, *M. Hart* v. *The B. F. Goodrich Co.* Claim 1 of 1,842,606, and claims 6 and 8 of 1,875,582 held invalid, and not infringed; dismissed (notice Apr. 20, 1938).

1,866,779, H. F. Snyder, Washing machine, D. C., W. D. Mo. (Kansas City), Doc. 2892, *The Maytag Co.* v. *General Electric Co. et al.* "Judgment for plaintiff" Feb. 8, 1938.

1,875,582. (See 1,842,606.)

1,927,887, W. T. Crespinel, Gate for multiple film, D. C., S. D. Calif. (Los Angeles), Doc. E 545–H, *Cinecolor, Inc., et al.* v. *Mitchell Camera Corp.* Consent decree for plaintiffs Apr. 21, 1938.

1,931,978. (See 1,776,414.)

1,945,734, H. R. Cullmer, Door lock and framing; 2,060,283, same, Elevator car control, D. C., E. D. N. Y., Doc. E 8266, *Elevator Appliance Co., Inc., et al.* v. *E. Brooks et al.* Decree for defendant, dismissing bill Apr. 21, 1938.

1,957,237, W. L. Upson, Fan blade; Des. 89,076, G. W. Gosling, Electric fan, appeal filed Apr. 20, 1938, C. C. A., 2d Cir., Doc. —, *General Electric Co.* v. *Parr Electric Co., Inc.*

1,957,992. (See Re. 19,924.)

1,961,765, S. L. Weiss, Vaporizer, D. C., S. D. N. Y., Doc. E 83/358, *S. L. Weiss* v. *The De Vilbiss Co.* Consent order of discontinuance (notice Apr. 22, 1938).

1,982,145. (See 1,513,637.)

2,042,439. (See Re. 20,624.)

2,051,132. (See Re. 20,004.)

2,051,322, J. Weisbaum, Necktie, filed Mar. 22, 1938, D. C., S. D. Ohio (Dayton), Doc. E 443, *J. Weisbaum* v. *W. J. Weller et al.* (*Weller-Stolz Co.*). Same, filed Apr. 23, 1938, D. C., S. D. Ohio (Dayton), Doc. E 445, *J. Weisbaum* v. *G. C. Strock et al.* (*Strock & Landry*). Doc. E 446, *J. Weisbaum* v. *G. C. Gerlach et al.* Same, filed Apr. 27, 1938, D. C., S. D. Ohio (Dayton), Doc. E 447, *J. Weisbaum* v. *The Ed. Wren Co.*

2,056,319. (See 1,799,318.) 2,060,283. (See 1,945,734.)

2,074,671, R. G. Regester, Interiorly illuminated sign, filed Apr. 25, 1938, D. C., S. D. Ohio, W. Div., Doc. E 1038, *Gill Glass & Fixture Co.* v. *The Cincinnati Advertising Products Co.*

2,106,796, R. P. de Vault, Peeler, filed Apr. 19, 1938, D. C., E. D. Mich. (Detroit), Doc. 8378, *R. P. de Vault* v. *A. H. Johnson* (*Es-Way Mfg. Co.*).

2,110,385, M. A. White, Tufting machine, filed Apr. 22, 1938, D. C., N. D. Ga. (Rome), Doc. E 132, *Polly Prentiss, Inc., et al.* v. *A. L. Evans* (*Evans Mfg. Co.*).

Re. 17,263, 1,840,463, V. Mulholland, Method of and apparatus for annealing glassware; 1,583,046, H. W. Ingle, Lehr for annealing glassware, C. C. A., 4th Cir., Doc. 4273, *Hartford-Empire Co.* v. *Swindell Bros., Inc., et al.* Decree affirmed in so far as it relates to 1,840,463, and reversing it as to Re. 17,263 and 1,583,046, Apr. 21, 1938.

Re. 19,924, 1,957,992, H. Cohen, Tourniquet, filed Apr. 19, 1938, D. C., S. D. N. Y., Doc. E 87/5, *D. Cohen* v. *Chester Instrument Co., Inc., et al.*

Re. 20,004, A. A. Canton, Door construction of refrigerators; 2,051,132, W. S. Dart, Refrigerator door, D. C., S. D. Ohio, W. Div., Doc. E 893, *The Crosley Radio Corp.* v. *Appliances, Inc.* Consent decree finding claims 1, 5, 7 to 15 incl., 17 and 18 of Re. 20,004, and claim 4 of 2,051,132 valid Apr. 14, 1938.

Re. 20,624 (of 2,042,439), L. J. White, Storage and dispensing apparatus for liquefied gases, filed Apr. 15, 1938, D. C., E. D. Tex. (Tyler), Doc. E 1037, *Southern Steel Co.* v. *Automatic Gas Co., Inc.* Same, filed Apr. 25, 1938, D. C., N. D. Tex. (Dallas), Doc. E 3797–1053, *Southern Steel Co.* v. *Butane Gas System Co.*

Des. 89,076. (See 1,957,237.)

Des. 91,372, J. S. Stein, Bottle, filed Apr. 18, 1938, D. C., S. D. N. Y., Doc. E 87/3, *Lucien LeLong, Inc.*, v. *Lord & Taylor, Inc.*

Des. 106,227, J. D. Zinke, Sign, D. C., S. D. Calif. (Los Angeles), Doc. E 1323 Y, *J. D. Zinke* v. *F. Shill.* Decree pro confesso; injunction Apr. 20, 1938.

## Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,979,208, C. M. F. Friden, Recording device, decided April 15, 1938, claims 5, 13, 14, 15, 16, 19, and 20.

Pat. 2,007,062, H. B. Rapp and R. E. Ablott, Disc harrow, decided May 13, 1938, claims 3, 5, and 6.

## Disclaimers

Re. 18,841.—*Josef Mayer*, Karlsbad, Czechoslovakia. HAIR WAVING METHOD. Patent dated May 30, 1933. Disclaimer filed May 20, 1938, by the assignee, *The Philad Company.*

Hereby enters this disclaimer to claim 6 of said patent.

1,747,822.—*Raymond D. Foltz*, East Orange, N. J. FURNACE CONSTRUCTION. Patent dated February 18, 1930. Disclaimer filed May 21, 1938, by the assignee, *M. H. Detrick Company.*

Hereby enters this disclaimer to claims 1, 2, 3, 7, 14, 15, 17, 23, 26, 27, 35, 36, 37, 38, 39, 41, 43, 48, 49, 50, 51, 53, and 55 of said Letters Patent.

1,784,674.—*Ralph D. Mershon*, New York, N. Y. FILM FORMATION AND OPERATION OF ELECTROLYTIC CONDENSERS AND OTHER APPARATUS. Patent dated December 9, 1930. Disclaimer filed May 17, 1938, by the patentee.

Hereby enters this disclaimer to claims 6, 10, and 12 of the said Letters Patent.

1,908,112.—*James W. Bryce*, Bloomfield, N. J. SYNCHRONIZING CLOCK CONTROL SYSTEM. Patent dated May 9, 1933. Disclaimer filed May 19, 1938, by the assignee, *International Business Machines Corporation.*

Hereby enters this disclaimer to claims 4 and 5 in said specification.

1,923,254.—*Walther Burstyn and Walter Tausig*, Berlin, Germany. DIRECT COUPLED AMPLIFIER. Patent dated August 22, 1933. Disclaimer filed May 11, 1938, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claims 4, 6, 7, and 10 in the said specification.

1,931,318.—*Oskar Barnack*, Wetzlar, Germany. COUPLING BETWEEN OBJECTIVE ADJUSTMENT AND DISTANCE GAUGE IN CAMERAS. Patent dated October 17, 1933. Disclaimer filed May 19, 1938, by the assignee, *Ernst Leitz, G. m. b. H.*

Hereby enters this disclaimer to that part of the specification which is in the following words, to wit: "so that the objective is not turning about its axis", page 1, lines 99–100. And to that part of claim 3 in said patent which is in the following words, to wit: "but preventing a turning of the objective about its axis", page 2, lines 91–92.

1,964,853.—*Frank R. Kemmer*, Larchmont, N. Y. METHOD OF TREATING METAL POWDER. Patent dated July 3, 1934. Disclaimer filed May 21, 1938, by the assignee, *Magnesium Products, Incorporated.*

Hereby enters this disclaimer to claim 24 of said patent.

2,054,116.—*Allen Abrams, Charley L. Wagner*, and *George W. Forcey*, Wausau, Wis. LAMINATED SHEET MATERIAL. Patent dated September 15, 1936. Disclaimer filed May 20, 1938, by the assignee, *Marathon Paper Mills Company.*

Hereby disclaims from the scope of claim 16 of said patent any composition except such in which the body portion constitutes a major ingredient of the composition.

2,067,152.—*William L. Gotwals, Jr.*, Norristown, Pa. STOKER. Patent dated January 5, 1937. Disclaimer filed May 18, 1938, by the assignee, *John Wood Manufacturing Company, Inc.*

Hereby enters this disclaimer to claims 1, 2, 3, and 4 in said Letters Patent.

## Changes in Classification

Order No. 3428, May 18, 1938, directs:

In *class 88, Optics* (Division 7), establish the following subclass and definition:

65 Polarisers.

65. This subclass includes polarising systems, devices, and compositions, and systems including polarisers, not elsewhere provided for.
- (1) Note.—For polarisers combined with optical testing systems, stereoscopes, microscopes, spectacles, etc., see the appropriate preceding subclasses of this class. For polarisers employed as light valves, see this class, subclass 61.
- (2) Note.—For processes of molding polarising bodies, see class 18, PLASTICS, appropriate subclasses.
- (3) Note.—For processes of crystallisation, see class 23, CHEMISTRY, subclass 1.
- (4) Note.—This subclass includes the combination of polariser with light source but does not include significant illumination systems wherein a polariser may be incidentally included. For the latter, see class 240, ILLUMINATION.
- (5) Note.—For devices for polarising special radiations, see class 250, RADIANT ENERGY, subclass 34.

The patents contained in this subclass have been taken for the most part from class 88, subclasses 1 and 14.

In *class 5, Beds* (Division 8), subclass 356, give to the existing note the number (*1*) and add the following note:

(2) Search Classes—
24—BUCKLES, BUTTONS, CLASPS, ETC., especially subclasses 102 and 152, for buttons or pins per se.
45—FURNITURE, subclass 138.
155—CHAIRS AND SEATS, subclass 185.



In *class 20, Wooden Buildings* (Division 33), subclass 1.6, add at the end of the first sentence of the note following the definition:

and class 312, SUPPORTS, CABINET STRUCTURES.

In *class 21, Preserving, Disinfecting, and Sterilising* (Division 63), subclasses 2 and 4, add to the definition the following note:

Note.—For preservation of hides, skins, and leather, see class 149, HIDES, SKINS, AND LEATHER, subclass 1.

In *class 24, Buckles, Buttons, Clasps, Etc.* (Division 5), subclass 71.1, add to the definition the following note:

Search Class—
211—SUPPORTS, RACKS, subclass 119.15, for midline tighteners combined with clothesline props;

and in subclass 102 abolish the existing definition and establish in lieu thereof the following:

102.—Buttons with two heads, adapted for use on cuffs, mattress tufting, and similar uses.

Note.—See class 5, BEDS, subclass 356; class 45, FURNITURE, subclass 138, and class 155, CHAIRS AND SEATS, subclass 185.

In *class 30, Cutlery* (Division 55), subclass 42, change the definition by canceling the words "relative to other portions of the razor organization;" and in subclass 310 add to the definition the following note:

(3) Note.—See class 145, WOODWORKING TOOLS, subclasses 116–128, for augers.

In *class 43, Fishing, Trapping, and Vermin Destroying* (Division 2), subclass 52, cancel the third search note following the definition.

In *class 49, Glass* (Division 15), subclass 81, change the numbers of existing notes (2) and (3), following the definition, to (*3*) and (*4*) and insert the following note:

(2) Note.—Processes of uniting parts to form multifocal lenses with or without steps of shaping the mating surfaces prior to uniting are found in this subclass (81) or in the indented subclasses. Where such processes are combined with steps of grinding or finishing subsequent to uniting, see class 88, OPTICS, subclass 54:

and in subclass 82.1 add to the definition the following note:

Note.—See the second note under the definition of subclass 81 of this class for the line between this class and class 88, OPTICS, subclass 4.

In *class 70, Locks* (Division 20), subclass 55, in the second line of the note following the definition insert after the word "see" the following:

this class, subclass 455 and;

in subclasses 280–283, in the second line of the definition, change the number "279" to *277*; and in subclass 455 add to the definition the following note:

Note.—See this class, subclass 55, and class 150, CLOTH, LEATHER, AND RUBBER RECEPTACLES, subclass 52 and indented subclasses.

In *class 74, Machine Elements and Mechanisms* (Division 12), change the title of subclass 260 to read as follows:

Gearing
Planetary
Automatic control
260 Speed responsive

and in the definition cancel the word "centrifugal" and substitute *speed responsive.*

In *class 88, Optics* (Division 7), subclass 54, add to the definition the following note:

Note.—This subclass includes processes of uniting parts to form multifocal lenses wherein steps of grinding or finishing subsequent to uniting are included. For processes of uniting parts with or without prior shaping of the mating surfaces, see class 49, GLASS, subclass 81, and indented subclasses;

and in subclass 57, in the second note following the definition cancel the reference to class 240 and substitute:

240—ILLUMINATION, subclass 106, and indented subclasses.

In *class 95, Photography* (Division 7), subclass 2, add to the definition the following notes:

(3) Search this class, subclass 81, for color screens.
(4) Search Class—
88—OPTICS, subclass 16.4, for color motion picture apparatus.

In *class 116, Signals and Indicators* (Division 35), subclass 119, add to the definition the following note:

Note.—Compare with class 281, BOOKS, STRIPS, AND LEAVES, subclass 42;

and in subclass 137 change the reference to class 46 in the second note to read:

46—AMUSEMENT DEVICES, TOYS, subclass 174, and indented subclasses, particularly subclass 179, for mouth-actuated whistles and sirens.

In *class 122, Liquid Heaters and Vaporizers* (Division 46), subclass 371, cancel the existing note and substitute therefor:

(1) Note.—See this class, subclasses 2, 5, 66, 67, 97, 98, 129, 152, 203–207, 229, 232, 286, 287, 289, 321, 323, 353, and 354, for other water grates.
(2) Note.—See class 110, FURNACES, subclass 32, and indented subclasses, for progressive feed and subclass 74 for hollow air-cooled grates.
(3) Note.—See class 126, STOVES AND FURNACES, subclass 152, and indented subclasses, for other stove and furnace grates.

In *class 126, Stoves and Furnaces* (Division 19), subclass 152, cancel note (3), "Search Class," etc., and substitute therefor the following:

(3) Search Classes—
110—FURNACES, subclass 33, and indented subclasses, for progressive feed grates, and subclass 74 for hollow air-cooled grates.
122—LIQUID HEATERS AND VAPORIZERS, subclass 371, and the subclasses referred to in the notes thereunder, for water grates.

In *class 132, Toilet* (Division 53), in the main class definition, cancel, in lines 2–4, the following words: "some aids to the removal of wearing apparel, such as trousers, stockings, shoes, overshoes, etc.," and cancel, in lines 8 and 9, the following words: "dressing or undressing aids, like bootjacks, and shoe-horns, or," and add to the definition the following note:

(4) Note.—For bootjacks, shoe-horns, and other dressing and undressing aids, see class 223, APPAREL APPARATUS, subclasses 111–119.

In *class 134, Liquid Coating Compositions* (Division 64), in the main class definition, cancel, in the third paragraph, the words: "compositions for use as adhesives."

In *class 138, Pipes and Tubular Conduits* (Division 52), in the main class definition, cancel existing note (47) and substitute the following:

(47) Note.—For speaking-tubes, mufflers, and sound filters, see class 181, ACOUSTICS;

in subclass 26, add to the definition the following note:

(3) Note.—See class 181, ACOUSTICS, subclass 33, and indented subclasses, for similar structures in mufflers and sound filters;

in subclass 36 cancel the existing definition and substitute therefor the following:

36. Pipes having means whereby they will be caused to leak when worn so as to need replacing and other wear indicating means;

in subclass 37 add the following note:

(5) Note.—See class 181, ACOUSTICS, subclass 33, and indented subclasses, for similar structures in mufflers and sound filters;

and in subclass 48, number the existing notes (*2*) and (*3*) and insert the following note:

(1) Note.—Compare class 94, ROADS AND PAVEMENTS, subclass 31.

In *class 146, Vegetable and Meat Cutters and Comminutors* (Division 25), subclass 4, add to the definition under "Search class" the following:

130—THRESHING, subclasses 6–10, for other corn shellers, subclass 9 having green corn shelling machines where the ear is grasped during the shelling operation.

In *class 150, Cloth, Leather, and Rubber Receptacles* (Division 29), subclass 52, cancel note (2) following the definition and substitute therefor:

(2) Note.—See class 70, LOCKS, subclass 54, and indented subclasses, and subclass 455.

In *class 155, Chairs and Seats* (Division 8), subclass 185, cancel the note following the definition and substitute the following:

Search Class—
24—BUCKLES, BUTTONS, CLASPS, ETC., appropriate subclasses, particularly subclasses 102 and 152, for improvements in the fastening pin or button per se.

In *class 181, Acoustics* (Division 5), subclass 35, cancel note (2) following the definition and substitute the following:

(2) Note.—See class 138, PIPES AND TUBULAR CONDUITS, appropriate subclasses, particularly subclasses 26, and indented subclasses, and 37, and indented subclasses, for related structure.

In *class 192, Clutches and Power-Stop Control* (Division 47), subclass 48, add to the definition the following note:

Note.—Compare this class, subclasses 35 and 36.

In *class 195, Chemistry, Fermentation* (Division 63), in subclass 2 abolish the existing definition and establish the following in lieu thereof:

2. Processes that fall within subclass 1, and each of which includes treating material that contains a substance, or substances, other than water, and other matter other than water, for the purpose of destroying or eliminating such other matter, or separating such other matter from such substances, while preserving such substances, by an operation that comprises fermentation in the presence of such substances but no fermentation of such substances during such treatment.

In *class 198, Conveyers, Power-Driven* (Division 4), in subclass 194 add to the definition the following note:

Note.—For belts having elements fastened at their edges to form a trough, but said elements not constituting supporting chains, see this class, subclass 201.

In *class 206, Special Receptacles and Packages* (Division 40), subclass 3, change the number of the existing note (2) to (3) and insert the following note:

(2) Note.—Compare class 224, PACKAGE AND ARTICLE CARRIERS, subclass 13, and indented subclasses.

In *class 211, Supports, Racks* (Division 8), subclass 119.15, add to the definition the following note:

(3) Note.—For midline tighteners, see class 24, BUCKLES, BUTTONS, CLASPS, ETC., subclass 71.1 and indented subclasses.

In *class 217, Wooden Receptacles* (Division 40), subclass 18, add to the definition the following note:

(3) Search Class—
206—PAPER RECEPTACLES, subclasses 28 and 29, for other cell structures.

In *class 224, Package and Article Carriers* (Division 29), subclass 13, number the existing note after the definition (*1*) and add the following note:

(2) Note.—Compare class 206, SPECIAL RECEPTACLES AND PACKAGES, subclass 3.

In *class 227, Fire Escapes* (Division 4), subclass 49, in the third note following the definition, add *subclass 163, and indented subclasses, for buckles;* change "230" to *230.5*, and in the last line change "strap and attaching" to *strap-end-attaching.*

In *class 228, Ladders* (Division 4), subclass 61, add the following note:

Note.—See class 248, SUPPORTS, subclass 189, and indented subclasses, for stand legs, and subclass 193 for stand feet.

In *class 229, Paper Receptacles* (Division 40), in subclass 28, add to the definition the following note:

Search Class—
217—WOODEN RECEPTACLES, subclass 18, and indented subclasses, for other cell structures.

In *class 248, Supports* (Division 52), subclass 29, number the existing note (*1*) and add the following note after the definition:

(2) Note.—See class 20, WOODEN BUILDINGS, subclass 74, for moldings with picture supports associated therewith,

and in subclass 208, in note (3) after "brackets" insert *with window mounting means.*

In *class 268, Closure Operators* (Division 1), in the main class definition, cancel the first paragraph and substitute therefor the following:

This is the class for means for operating closures and includes operators for doors, windows, transoms, scuttles, barriers, and other closures, when the specific structure of the closure or the thing to which the closure is applied is not claimed or such structure is merely conventional. When such structure is claimed along with the operator, the patent is placed in the appropriate class and cross-referenced here.

In *class 285, Pipe Joints or Couplings* (Division 52), subclass 41, add to the definition the following note:

Note.—For similar joints for stovepipes, see class 126, STOVES AND FURNACES, subclass 318.

In *class 292, Closure Fasteners* (Division 20), subclass 338, add to the definition the following note:

Note.—For braces combined with lock mechanism, see class 70, LOCKS, subclass 94.

## Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., May 20, 1938.*

*Homer A. Trussell, his assigns or legal representatives, take notice:*

An interference having been declared by this Office between the patent granted November 30, 1937, No. 2,100,676, to Homer A. Trussell, then at 4690 Balfour Avenue, Detroit, Mich., but later residing at 5428 Baum Boulevard, Pittsburgh, Pa., and a notice of such declaration sent by registered mail to said Trussell at the above addresses having been returned by the post office as undeliverable, notice is hereby given that unless said Trussell, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

# TRADE-MARKS

## OFFICIAL GAZETTE, JUNE 14, 1938

[VOL. 491. No. 2]

**The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.**

**Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.**

**As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.**

### CLASS 1

**Raw or Partly Prepared Materials**

Ser. No. 405,469. ALLIED KID COMPANY, Boston, Mass. Filed Apr. 20, 1938.

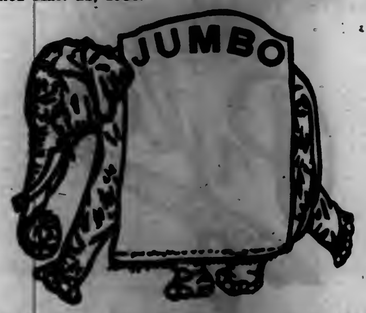
**TRAPUNTO**

For Unfinished and Partly Finished Leather Made From Kid, Goat, Calf, and Cowhide.
Claims use since Feb. 28, 1938.

### CLASS 2

**Receptacles**

Ser. No. 404,341. AMBROSE C. ABBOTT, doing business as A. C. Abbott Products Co., Los Angeles, Calif. Filed Mar. 22, 1938.




For Shipping Containers for Mattresses and Box Springs.
Claims use since March, 1936.

Ser. No. 405,576. PETER J. SWOFFORD, Graham, Tex. Filed Apr. 21, 1938.

C D

For Holders for Bottles, Cans, and Glasses, and Other Drinking Receptacles.
Claims use since July 31, 1937.

### CLASS 3

**Baggage, Animal Equipments, Portfolios, and Pocketbooks**

Ser. No. 403,125. P. A. GARDNER, JR., doing business as Prince Gardner, St. Louis, Mo. Filed Feb. 17, 1938.



No claim is made to the words "An Invisible Stitch By" apart from the mark.
For Billfolds.
Claims use since July 15, 1932.

Ser. No. 403,157. HANS SCHOWANEK, doing business as J. Schowanek, Albrechtsdorf bei Gablonz a. N. Czechoslovakia. Filed Dec. 24, 1937.




Applicant disclaims the phrases "Original", "Made in Czechoslovakia", and "The World's Best Product".
For Handbags or Reticules Made of Wooden Beads.
Claims use since May 27, 1937.

Ser. No. 404,434. ESQUIRE NOVELTY MFG. CO., INC., New York, N. Y. Filed Mar. 24, 1938.

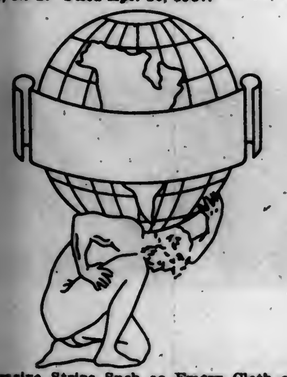


For Leather Wallets, Key Cases, Bill Folds.
Claims use since Jan. 15, 1938.

## CLASS 4

### Abrasive, Detergent, and Polishing Materials

Ser. No. 391,168. ATLAS ABRASIVES CORPORATION, New Rochelle, N. Y. Filed Apr. 10, 1937.



For Abrasive Strips Such as Emery Cloth and Sand Paper.
Claims use since Mar. 23, 1937.

Ser. No. 400,588. CAMBO CORPORATION, Minneapolis, Minn. Filed Dec. 8, 1937.



CAMEO

For Preparation Used as a General Household Cleanser.
Claims use since May 10, 1937.

Ser. No. 401,557. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Jan. 5, 1938.

"KROMOLINE" VT

For Tanners' Oil for Stuffing Leather.
Claims use since Oct. 6, 1925.

Ser. No. 402,703. ACME CHEMICAL COMPANY, Milwaukee, Wis. Filed Feb. 5, 1938.

SOLVIN

For Liquid Cleanser for Toilets, Bath-Tubs, Sinks, Etc.
Claims use since Nov. 22, 1916.

Ser. No. 402,809. KLETAM MFG. CO., Wilkes-Barre, Pa. Filed Feb. 7, 1938.

INK OFF

No claim is made to the words "Ink-Off" except as shown.
For Powdered Soap, Especially Designed for Removing Duplicating Machine Inks From the Hands.
Claims use since June 15, 1935.

Ser. No. 404,135. HOWARD E. PILLSBURY, Newbury, Newburyport, Mass. Filed Mar. 16, 1938.

HEP

For Soap, Washing Powder, and Hand-Cleaning Paste.
Claims use since Feb. 21, 1938.

Ser. No. 404,321. HAROLD WEED MCCULLOCH, Belleville, N. J. Filed Mar. 21, 1938.

Pylac
PROTECT YOUR LA

The words "Protect Your Lacquer" are disclaimed apart from the mark.
For Detergent Preparation for Washing and Cleansing Glass, Porcelain, Paint, Varnish, Lacquer, and Finished Surfaces and the Like.
Claims use since February, 1937.

Ser. No. 405,216. ORVILLE E. MCKIM, Port Chester, N. Y. Filed Apr. 13, 1938.

SCADU

For Cleansing Preparation for Artificial Dentures.
Claims use since Apr. 1, 1938.



Ser. No. 405,285. ATLAS POWDER COMPANY, Wilmington, Del. Filed Apr. 15, 1938.

ZAPONEX

For Hand Cleaners.
Claims use since Mar. 7, 1938.

Ser. No. 405,440. ENSIGN PRODUCTS COMPANY, Cleveland, Ohio. Filed Apr. 19, 1938.

384

For Rope Dressing and Preserver.
Claims use since Mar. 15, 1937.

## CLASS 5

### Adhesives

Ser. No. 405,254. R. M. HOLLINGSHEAD CORPORATION, Camden, N. J. Filed Apr. 14, 1938.



For Rubber, Fabric, Leather, and Imitation Leather Adhesive, Patching and Repairing Outfits; Rubber, Fabric, Leather, and Imitation Leather Adhesive, Rubber Patching Material; Cement and Glue for Glass, Metal, China, Composition, Rubber, Paper, Gasket, and Rims.
Claims use since May 16, 1934.

## CLASS 6

### Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 390,027. LOUIS SCHWEITZER, doing business as Zest Laboratories, Baltimore, Md. Filed Mar. 13, 1937.

Zest

For Greaseless Skin Cream.
Claims use since May 1, 1936.

Ser. No. 394,953. POND'S EXTRACT COMPANY, New York, N. Y. Filed July 7, 1937.

PRINCESS MARGUERITE

For Skin Cream.
Claims use since June 16, 1937.

Ser. No. 400,244. MICHAEL J. O'CONNOR, Alliance, Nebr. Filed Nov. 29, 1937.

ZEMAGON

For Medicinal Ointment Used in the Treatment of Eczema, Psoriasis, Piles, Athlete's Foot, and Other Skin Diseases.
Claims use since July 1, 1934.

Ser. No. 402,133. MCGREEVEY, WERRING & HOWELL, INC., New York, N. Y. Filed Jan. 20, 1938.




No claim is made to the word "Wellesley" apart from the mark.
For Liquefying Cleansing Cream, Antiseptic Mouth Wash, Cold Cream, All Purpose Cream, Almond Lotion, and Astringent Month Wash.
Claims use since Jan. 8, 1938.

Ser. No. 402,255. ETABLISSEMENTS RIGAUD INC., New York, N. Y. Filed Jan. 24, 1938.

OUTRE MER

For Perfumes, Toilet Waters, Face Powders, Face Powder and Rouge Compacts, Sachet Powders, Talcum Powders, Brilliantine, Lipstick, Rouges, Bath Salts, Cold Cream, Greaseless Cream, Smelling Salts, Face Lotions, Hair Tonic, Eyebrow Pencils, Eyelash Beautifier, and Liquid Cold Cream.
Claims use since Jan. 17, 1938.

Ser. No. 402,256. ETABLISSEMENTS RIGAUD INC., New York, N. Y. Filed Jan. 24, 1938.

TYPHON

For Perfumes, Toilet Waters, Face Powders, Face Powder and Rouge Compacts, Sachet Powders, Talcum Powders, Brilliantine, Lipstick, Rouges, Bath Salts, Cold Cream, Greaseless Cream, Smelling Salts, Face Lotions, Hair Tonic, Eyebrow Pencils, Eyelash Beautifier, and Liquid Cold Cream.
Claims use since Jan. 17, 1938.

Ser. No. 403,224. PYNOSOL LABORATORIES, INC., Chicago, Ill. Filed Feb. 19, 1938.

**UTRA JEL**

No claim is made to the word "Jel" apart from the mark.

For Antiseptic Water-Soluble Jelly for Intrauterine Treatment and for Use in Specific and Non-Specific Infections of the Cervix and Cervical Canal.

Claims use since Apr. 10, 1934.

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Ser. No. 403,503. EARL A. FIDDLER, Indianapolis, Ind. Filed Feb. 28, 1938.

INDUSTANI



The portrait is fanciful.

For Skin Ointment for the Treatment of Psoriasis, Eczema, Ulcers, Boils, Cuts, Bruises, and Insect Bites.

Claims use since Feb. 1, 1938.

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Ser. No. 403,840. U. S. STANDARD PRODUCTS COMPANY, Woodworth, Wis. Filed Mar. 8, 1938.

ACOLAC

For Bacterial Vaccine for Use in the Treatment of Acute and Chronic Infections of the Skin Usually Grouped Under the Name of Acne.

Claims use since Oct. 15, 1936.

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Ser. No. 403,841. U. S. STANDARD PRODUCTS COMPANY, Woodworth, Wis. Filed Mar. 8, 1938.

CATOLAC

For Bacterial Vaccine for the Prophylaxis and Treatment of Acute and Chronic Rhinitis, Ethmoiditis, Sinusitis, Bronchitis, Tonsilitis and Associated Conditions, and in Certain Cases of Bacterial Asthma.

Claims use since September, 1936.

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Ser. No. 403,842. U. S. STANDARD PRODUCTS COMPANY, Woodworth, Wis. Filed Mar. 8, 1938.

COLAC

For Bacterial Vaccine for Use in the Treatment of Arthritis, Cystitis, Metritis, Abscesses and Infections Associated with Pathological Conditions in the Urinary and Intestinal Tracts.

Claims use since Oct. 24, 1936.

Ser. No. 403,843. U. S. STANDARD PRODUCTS COMPANY, Woodworth, Wis. Filed Mar. 8, 1938.

GONDLAC

For Bacterial Vaccine for Use in the Treatment of Acute and Chronic Urethritis, Vulvovaginitis, Gonorrheal Rheumatism, and Ophthalmia.

Claims use since Sept. 15, 1936.

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Ser. No. 403,844. U. S. STANDARD PRODUCTS COMPANY, Woodworth, Wis. Filed Mar. 8, 1938.

INFLOLAC

For Bacterial Vaccine for the Phophylaxis and Treatment of Acute and Chronic Rhinitis, Sinusitis, Mastoiditis, and Influenza, and Certain Bacterial Asthmatic Conditions.

Claims use since Sept. 15, 1936.

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Ser. No. 403,845. U. S. STANDARD PRODUCTS COMPANY, Woodworth, Wis. Filed Mar. 8, 1938.

PERTOLAC

For Bacterial Vaccine for the Prophylaxis and Treatment of Whooping Cough, and for Use in Treating Certain Bacterial Asthmatic Conditions.

Claims use since Oct. 24, 1936.

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Ser. No. 403,846. U. S. STANDARD PRODUCTS COMPANY, Woodworth, Wis. Filed Mar. 8, 1938.

STAPHOLAC

For Bacterial Vaccine for Use in the Treatment of Skin and Superficial Wound Infections, Furunculosis, Dermatitis, Boils, and Abscesses.

Claims use since Oct. 31, 1936.

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Ser. No. 403,847. U. S. STANDARD PRODUCTS COMPANY, Woodworth, Wis. Filed Mar. 8, 1938.

STREPOLAC

For Bacterial Vaccine for Use in the Treatment of All Types of Surface Wounds and Conditions Believed To Be Caused by Organisms of the Streptococcus Group.

Claims use since Oct. 24, 1936.



Ser. No. 404,046. HOLBROOK PHARMACAL COMPANY, INC., New York, N. Y. Filed Mar. 14, 1938.

**OILZO**

For Ozonide of Olive Oil Used as a Germicide and Analgesic.

Claims use since Nov. 1, 1937.

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Ser. No. 404,113. BÖHME FETTCHEMIE-GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Chemnitz, Germany. Filed Mar. 16, 1938.

**Lanadol**

For Chemical Dye Aids—Namely, Moistening Preparations, Thread and Fibre Protecting, Penetrating, Bleaching, Tanning, Smoothing Preparations for Textile Fabrics in the Course of Manufacture.

Claims use since Jan. 26, 1938.

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Ser. No. 404,357. FABERGE, INC., New York, N. Y. Filed Mar. 22, 1938.

**WOODHUE**

For Perfume, Toilet Water, Face Powder, Talcum Powder, Face Creams, Lotions for the Skin and Hair, and Shampoos.

Claims use since Oct. 20, 1937.

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Ser. No. 404,358. FABERGE, INC., New York, N. Y. Filed Mar. 22, 1938.

**WOODWIND**

For Perfume, Toilet Water, Face Powder, Talcum Powder, Face Creams, Lotions for the Skin and Hair, and Shampoos.

Claims use since Oct. 20, 1937.

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Ser. No. 404,388. VICK CHEMICAL COMPANY, New York, N. Y. Filed Mar. 22, 1938.

**VICKLAX**

For Laxative Tablets.

Claims use since Oct. 15, 1937.

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Ser. No. 404,585. THE SALZOL COMPANY, Fort Worth, Tex. Filed Mar. 28, 1938.

**SALZOL**

For Preparation for Relief of Athlete's Foot.

Claims use since Feb. 3, 1938.



Ser. No. 404,681. MICHAEL P. BARR, New York, N. Y. Filed Mar. 31, 1938.

BARR'S ODORLESS INSECTICIDE

No claim is made to the words "Odorless Insecticide" apart from the mark.

For Insecticides.

Claims use since Mar. 28, 1938.

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Ser. No. 404,601. BLAINE CULVER, doing business as Alberto-Culver, Los Angeles, Calif. Filed Mar. 31, 1938.

THE NEW Hollywood Cocktail Facial



MILK-PAK

All wording except "Cocktail" is disclaimed apart from the mark. The portrait is fanciful.

For Combined Yeast and Milk Beauty Mask.

Claims use since Jan. 21, 1938.

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Ser. No. 404,855. GILBERT DILLIE LAYMON, doing business as Film Flote Co., Miami, Fla. Filed Apr. 4, 1938.

Film Flote

No claim is made to the word "Film" apart from the mark.

For Preparation for Removing Stains from Teeth.

Claims use since Feb. 6, 1938.

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Ser. No. 404,916. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Apr. 5, 1938.

**PRISCOL**

For Preparation Having an Action on the Circulation of the Blood.

Claims use since May 6, 1936.

Ser. No. 404,917. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Apr. 5, 1938.

**PROKLIMAN**

For Preparation for the Treatment of Menopausal Disturbances.
Claims use since March, 1928.

Ser. No. 404,943. LORSER LABORATORY, INCORPORATED, New York, N. Y. Filed Apr. 6, 1938.

**BAROPAKE**

For Barium Compound Dispersion for the Distinct Visualization of the Rugae and Gastro-Enteric Mucosal Topography for Use in Taking X-Rays.
Claims use since Mar. 30, 1936.

Ser. No. 404,995. A. LIZZOLA CO. INC., New York, N. Y. Filed Apr. 7, 1938.

**LIZZOLITE**

For Dentifrice.
Claims use since Mar. 1, 1938.

Ser. No. 405,031. CHARLES S. MORRIS, New York, N. Y. Filed Apr. 8, 1938.

**B-A-T**

For Foot Lotion.
Claims use since Apr. 2, 1938.

Ser. No. 405,035. PRATT FOOD COMPANY, Philadelphia, Pa. Filed Apr. 8, 1938.

**C-Ka-Gene**

Applicant disclaims the word "Gene" apart from the mark.
For Preparation for Ameliorating the Effects of Cecal (E. Tenella) Coccidiosis in Poultry.
Claims use since Mar. 1, 1938.

Ser. No. 405,071. HUTTIG SASH & DOOR COMPANY, St. Louis, Mo. Filed Apr. 9, 1938.




For Liquid Wood Preserving Substance.
Claims use since Mar. 22, 1938.

Ser. No. 405,168. LORSER LABORATORY, INCORPORATED, New York, N. Y. Filed Apr. 12, 1938.

**PANACTOL**

For Aqueous Isotonic Solution, a Stable Organic Mercury Compound and Potent Bactericide, Also an Oil Solution Used as a Germicide, Also an Alcohol and Acetone Solution Used as a Germicide, Each Containing in Different Proportions Acetoxy-Mercuri-2 Ethyl-Hexyl-Phenol Sulfonic Acid.
Claims use since Mar. 30, 1938.

Ser. No. 405,325. SOCIETE DE RECHERCHES CHIMIQUES ET D'APPLICATIONS INDUSTRIELLES (SORCHAP) SOCIETE ANONYME, Paris, France. Filed Apr. 15, 1938.

**OCULEX**

For Eye Lotion and Treatment for Mild Affections of the Eyes.
Claims use since Nov. 30, 1937.

Ser. No. 405,464. SINEALAL COMPANY, INC., Philadelphia, Pa. Filed Apr. 19, 1938.

**SINEALAL**

For Acid Mineral Tonic.
Claims use since Apr. 14, 1938.

Ser. No. 405,480. CALIFORNIA PERFUME COMPANY, INC., New York, N. Y. Filed Apr. 20, 1938.

**BALLAD**

For Perfumes and Face Powder.
Claims use since Apr. 8, 1938.

Ser. No. 405,489. DURAND & HUGUENIN A. G., Basel, Switzerland. Filed Apr. 20, 1938.

**UNIPAN**

For Auxiliary Products or Assistants for Mordanting, Fixing, Dispensing, Softening, and Similar Purposes in the Dyeing and Printing of Textile Fibres and Fabrics.
Claims use since Jan. 1, 1938.

Ser. No. 405,495. GENERAL PRINTING INK CORPORATION, New York, N. Y. Filed Apr. 20, 1938.

**MIRAC**

For Preparation Used in Lithographic Processes.
Claims use since Apr. 7, 1938.

Ser. No. 405,529. PATTERSON O. STEWART, doing business as Electro Products Company, New York, N. Y. Filed Apr. 20, 1938.

**DYNA VITA**

For Chemical Solvent for Dissolving Sludge and Gums Formed by Oils.
Claims use since Jan. 28, 1938.

Ser. No. 405,549. G. W. CARNRICK CO., Newark, N. J. Filed Apr. 21, 1938.

**THELESTROL**

For Standardized Ovarian Hormone Preparation for Use in Menstrual Disorders.
Claims use since Apr. 8, 1938.



Ser. No. 405,585. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed Apr. 22, 1938.

**5 DAY**

For Lipstick, Rouge, Face Powder, Eyelash and Eyebrow Mascara; Anti Perspirant, Creams for the Hands and Face; Preparations for Skin, Hair, and Finger Nails; and Perfumes.
Claims use since Apr. 10, 1937.

Ser. No. 405,647. HOME DRUG COMPANY, Chicago, Ill. Filed Apr. 23, 1938.

**ALKADENE**

For Medicine, as a Stomachic Preparation.
Claims use since Apr. 19, 1938.

Ser. No. 405,768. CURTSY INCORPORATED, Brooklyn, N. Y. Filed Apr. 27, 1938.




For Hand Cream, Night Cream, Cold Cream, Astringent, Deodorant, Cleansing Cream, Skin Lotion, Pine Bath Oil, Jasmine Bath Oil, Foundation Makeup, Foundation Cream, and Brilliantine.
Claims use since Feb. 28, 1938.

## CLASS 11

### Inks and Inking Materials

Ser. No. 405,329. F. S. WEBSTER COMPANY, Cambridge, Mass. Filed Apr. 15, 1938.

*Spirograph*

For Carbon Paper.
Claims use since Mar. 6, 1935.

## CLASS 13

### Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 389,964. THE RAWLPLUG COMPANY, INC., New York, N. Y. Filed Mar. 12, 1937.




The word "Drives" and the representation of the goods are disclaimed apart from the mark.
For Drive Masonry Expansion Pins.
Claims use since Dec. 4, 1934.

Ser. No. 397,177. BROWN-CAMP HARDWARE COMPANY, Des Moines, Iowa. Filed Sept. 7, 1937.




For Lawn Sprinklers, Spray Nozzles, Tack Assortments.
Claims use since 1907.

Ser. No. 400,404. BINKS MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 3, 1937.

**ROTOJET**

For Spray Nozzles.
Claims use since Mar. 1, 1930.

Ser. No. 404,531. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio. Filed Mar. 26, 1938.

**PERDURO**

For Acid-Resisting Chains and Chain Links.
Claims use since May 29, 1936.

## CLASS 14

### Metals and Metal Castings and Forgings

Ser. No. 402,832. VEREINIGTE DEUTSCHE METALLWERKE AKTIENGESELLSCHAFT, Frankfort-on-the-Main-Heddernheim, Germany. Filed Feb. 8, 1938.

**Tecuta**

For Surface Covering Metals in the Form of Strips, Sheets, and Plates.
Claims use since 1929.

Ser. No. 404,555. ALAN WOOD STEEL COMPANY, Conshohocken, Pa. Filed Mar. 28, 1938.

**DYN-EL**

For Steel Plates and Sheets.
Claims use since Mar. 11, 1938.

Ser. No. 405,575. STOODY COMPANY, Whittier, Calif. Filed Apr. 21, 1938.

**STOODEX**

For Welding Rods.
Claims use since Mar. 1, 1938.

## CLASS 16

### Paints and Painters' Materials

Ser. No. 391,834. THE GEO. WORTHINGTON COMPANY, Cleveland, Ohio. Filed Apr. 24, 1937.

TRAIL BLAZER

For Porch and Deck Paint, Gloss Wall Paint, Barn and Roof Paint, Paint Enamel, Varnish, Prepared Shellac, Varnish Remover, Lacquer, White Lead, and Putty.
Claims use since Sept. 1, 1936.

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Ser. No. 396,879. ALBERT HOWARD STEBBINS, JR., doing business as Sterling Laboratories, Little Rock, Ark. Filed Oct. 23, 1937.

TWELVE STAR

For Ready Mixed Paint, Waterproof Paint, Varnishes, Lacquers, Cold-Water Paints, Aluminum Paints, and Paint in Powdered Form.
Claims use since Oct. 1, 1936.

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Ser. No. 404,263. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Mar. 19, 1938.

CEMENTHIDE

For Paint Coating for Surfaces of Concrete, Brick, Cement, and Stucco.
Claims use since July 1, 1909.

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Ser. No. 405,002. TAYLOR, LOWENSTEIN & COMPANY, Mobile, Ala. Filed Apr. 7, 1938.




For Turpentine, Gum Spirits of Turpentine (Oil of Turpentine).
Claims use since Sept. 23, 1937, for the mark as shown; and since May 3, 1913, for the word Taloco.

Ser. No. 405,252. R. M. HOLLINGSHEAD CORPORATION, Camden, N. J. Filed Apr. 14, 1938.

Whiz

For Varnish, Stains, Fillers, Lacquers, Ready Mixed Paints, Enamels, and Paint Coatings for Wood, Metal, Rubber, Leather, Imitation Leather, and Fabrics; Paint, Varnish, Lacquer Remover; Mechanic's Blue; Prussian Blue; Cleaning and Polishing Materials in Paste, Liquid, Wax, Powder, and Solid Forms, for Automobiles, Furniture, Floors, Woodwork, Linoleums, and Tiles.
Claims use since May 16, 1934.

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Ser. No. 405,479. ANDREW BROWN COMPANY, Los Angeles, Calif. Filed Apr. 20, 1938.

POLYGLOSS

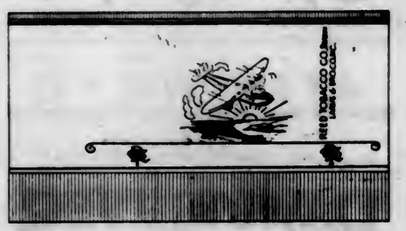
For Lacquers and Enamels.
Claims use since Apr. 1, 1938.

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## CLASS 17

### Tobacco Products

Ser. No. 401,697. LARUS & BROTHER COMPANY, doing business as Reed Tobacco Company, Branch Larus & Brother Company, Richmond, Va. Filed Jan. 8, 1938.




The outline of the label is disclaimed. The drawing is lined for red.
For Cigarettes.
Claims use since Dec. 17, 1937.



Ser. No. 402,783. THE MID-WEST TOBACCO CO., Cincinnati, Ohio. Filed Feb. 7, 1938.




The representation is disclaimed apart from the association shown.
For Chewing Tobacco and Smoking Tobacco.
Claims use since Aug. 20, 1930.

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## CLASS 19

### Vehicles, Not Including Engines

Ser. No. 404,600. ALBERT THOMAS BABINEAU, Los Angeles, Calif. Filed Mar. 29, 1938.

IDEAL

For Mechanical Automotive Brakes.
Claims use since Mar. 21, 1938.

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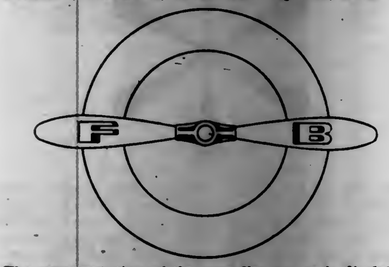
Ser. No. 405,070. GRAMATN TRADING CORPORATION, Mount Vernon, N. Y. Filed Apr. 9, 1938.



The words "For Your Car" are disclaimed apart from the mark.
For Automobile Seat Covers.
Claims use since Mar. 28, 1938.

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Ser. No. 405,108. FREEDMAN-BURNHAM ENGINEERING CORPORATION, Cincinnati, Ohio. Filed Apr. 11, 1938.




The representation of the propeller per se is disclaimed apart from the mark.
For Aeroplane Propellers.
Claims use since Jan. 26, 1938.

## CLASS 20

### Linoleum and Oiled Cloth

Ser. No. 405,192. BIRD & SON, INC., East Walpole, Mass. Filed Apr. 13, 1938.

CHROMATILE

For Floor Covering of the Hard-Surfaced, Flexible Type Having on an Asphalt-Saturated Felt Base a Plastic Coating of Substantial Thickness Made from a Composition of Pitch, Wood Flour, and Mineral Matter.
Claims use since Mar. 30, 1938.

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## CLASS 21

### Electrical Apparatus, Machines, and Supplies

Ser. No. 395,883. REYNOLDS METALS COMPANY, New York, N. Y. Filed July 31, 1937.

MASTER-RAY

For Collapsible Displays Having Both Day and Night Display Value Formed of Cardboard and Metal Foil and Arranged as a Casing Having Stenciled Openings Through Which Light Rays Obtained by an Electric Bulb in Fixed Position are Projected Indirectly to Illuminate the Display at Night.
Claims use since Aug. 1, 1936.

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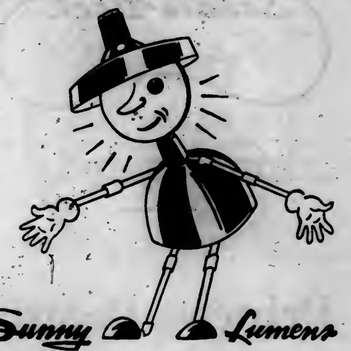
Ser. No. 397,178. BROWN-CAMP HARDWARE COMPANY, Des Moines, Iowa. Filed Sept. 7, 1937.

I.O.A.

For Dry Batteries and Waffle Irons.
Claims use since 1907.

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Ser. No. 402,581. GOODRICH ELECTRIC COMPANY, Chicago, Ill. Filed Jan. 29, 1938.




For Unitary Electric Lighting Fixtures.
Claims use since October, 1936.

Ser. No. 403,601. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 2, 1938.

CRUSADER

For Radio Receiving Sets.
Claims use since April, 1927.

## CLASS 22

### Games, Toys, and Sporting Goods

Ser. No. 380,217. HYLA F. MAYNES, North Tonawanda, N. Y., assignor to Spiral Wind Fish Reel Company, Inc., Buffalo, N. Y., a corporation of New York. Filed June 25, 1936.

SPOT-CAST

The term "Cast" is disclaimed apart from the mark.
For Fishing Reels.
Claims use since June 3, 1936.

Ser. No. 391,633. FETZ AND WEAVER, Chicago, Ill. Filed Apr. 21, 1937.

UTOPIA

For Board Games Played with Movable Pieces.
Claims use since Apr. 7, 1937.

Ser. No. 403,911. GILBERT W. DIXON, Rydal, Pa. Filed Mar. 10, 1938.

Saddle-Back

The word "Saddle" is disclaimed apart from the mark.
For Harness for Fishermen.
Claims use since Aug. 2, 1937.

Ser. No. 404,084. IDEAL NOVELTY & TOY COMPANY, Long Island City, N. Y. Filed Mar. 15, 1938.

Princess Beatrix

For Dolls.
Claims use since Mar. 7, 1938.

Ser. No. 404,781. ABRAHAM J. SILVERMAN, doing business as Peerless Sporting Goods Co., New York, N. Y. Filed Apr. 1, 1938.

SEAL OF SUPER QUALITY — PEERLESS SPORTING GOODS CO. — TRADE BANNER MARK — N.Y.C.

The words "Seal of Super Quality" and "Trade Mark" and the letters "N. Y. C." are disclaimed apart from the mark.
For Golf Clubs, Baseball Bats, Hockey Sticks, and Tennis Rackets.
Claims use since September, 1917.

## CLASS 23

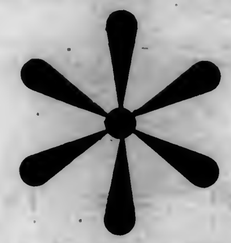
### Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 391,253. WHITIN MACHINE WORKS, Whitinsville, Mass. Filed Apr. 12, 1937.



No claim is made to the words "Long-Draft System" except as shown. The drawing is lined for red.
For Roving Frames and Spinning Frames.
Claims use since Mar. 19, 1937.

Ser. No. 396,999. THE PECK, STOW & WILCOX COMPANY, Southington, Conn. Filed Sept. 1, 1937.



For Awls, Axes, Bits, Bit Braces, Bush Hooks, Chisels, Clamps for Carpenters and Cabinet Makers, Drawing Knives; Drills, Hand and Breast; Grass Shears; Grinders for Tools; Hammers; Hatchets; Tool Handles; Mallets; Nippers; Planes; Pliers; Pruning Shears; Punches; Scrapers; Screw Drivers; Hand Shears; Slaters' Hand Tools; Soldering Coppers; Snippers; Vises; Wrecking Bars, and Wrenches.
Claims use since Oct. 7, 1936.



Ser. No. 403,768. R. J. HINNERS CO., Los Angeles, Calif. Filed Mar. 7, 1938.

SANI-POPT

The word "Popt" is disclaimed apart from the mark.
For Automatic Machine for Vending Pre-Popped Pop-Corn.
Claims use since Feb. 24, 1938.

Ser. No. 404,269. H. C. EVANS & COMPANY, Chicago, Ill. Filed Mar. 21, 1938.

BY A BLADE

The word "Blade" is disclaimed except as part of the mark.
For Razor Blades and Razor Blade Vending Machines.
Claims use since Feb. 5, 1938.

Ser. No. 404,947. MATCH KING, INC., Chicago, Ill. Filed Apr. 6, 1938.

PICKWICK
ELECTRIC DRY SHAVER

The words "Electric Dry Shaver" are disclaimed apart from the mark.
For Electric Razor.
Claims use since Feb. 1, 1938.

## CLASS 24

### Laundry Appliances and Machines

Ser. No. 361,831. ONE MINUTE WASHER COMPANY, Newton, Iowa. Filed Feb. 23, 1935.

ONE MINUTE

For Washing Machines and Parts Thereof.
Claims use since 1905.

Ser. No. 391,842. THE GEO. WORTHINGTON COMPANY, Cleveland, Ohio. Filed Apr. 24, 1937.

TRAIL BLAZER

For Electric Washing Machines, Gasoline Washers for Dry Cleaning, Sad Irons, Ironing Boards, Wash Boards, and Clothes Driers of the Rack Type.
Claims use since Sept. 1, 1936.

## CLASS 27

### Horological Instruments

Ser. No. 404,753. ELGIN NATIONAL WATCH COMPANY, Elgin, Ill. Filed Apr. 1, 1938.

RISTFLO

For Watches, Watch Movements, and Watch Cases.
Claims use since Mar. 29, 1938.

## CLASS 30

### Crockery, Earthenware, and Porcelain

Ser. No. 402,262. THE HOMER LAUGHLIN CHINA CO., Newell, W. Va. Filed Jan. 24, 1938.

HLC SWING Eggshell

The word "Eggshell" is disclaimed apart from the mark.
For Earthenware for Table Service.
Claims use since Dec. 1, 1937.

## CLASS 31

### Filters and Refrigerators

Ser. No. 404,000. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Mar. 12, 1938.

PRESTO

For Removable Ice Trays.
Claims use since Apr. 23, 1937.

## CLASS 32

### Furniture and Upholstery

Ser. No. 396,942. BARRETT-CRAVENS COMPANY, Chicago, Ill. Filed Mar. 22, 1937.

Barrett Handling Equipment

The words "Handling Equipment" and the representation of the goods are disclaimed apart from the mark.
For Material Handling Equipment—Namely, Movable Storage Racks for Barrels, Drums, Dies, and Skids.
Claims use since May 28, 1921.

## CLASS 36

### Musical Instruments and Supplies

Ser. No. 397,280. THE STORY DOCTOR CO., Seattle, Wash. Filed Sept. 13, 1937.

The STORY DOCTOR

The word "Story" is disclaimed apart from the mark.
For Plastic Disc Sound Records.
Claims use since Aug. 2, 1937.

## CLASS 37

### Paper and Stationery

Ser. No. 403,101. WILLIAM I. TAYLOR, Philadelphia, Pa. Filed Feb. 16, 1938.

"Keybrite"

For Index or Filing Cards.
Claims use since Jan. 28, 1938.

Ser. No. 404,803. HARRIS-DREW COMPANY, INC., New York, N. Y. Filed Apr. 2, 1938.

Jiffy-Stik

No claim is made to the word "Stik" apart from the mark.
For Paper Bands.
Claims use since Nov. 30, 1937.

Ser. No. 405,322. SEMINOLE PAPER CORPORATION, Chicago, Ill. Filed Apr. 15, 1938.

Sem

For Toilet Paper.
Claims use since Mar. 28, 1938.

Ser. No. 405,339. JOSHUA BROMBERG, doing business as Brom-Clark Manufacturing Co., St. Louis, Mo. Filed Apr. 16, 1938.

Du-Ply

For Duplicate Reply Postal Cards for Order Purposes.
Claims use since Jan. 1, 1937.

Ser. No. 405,400. MENASHA PRODUCTS COMPANY, Menasha, Wis. Filed Apr. 18, 1938.



For Paper Tape Stickers, Tabs, Tags, and Sheet Materials Having a Pressure Sensitive Adhesive Coating Thereon.
Claims use since Feb. 15, 1938.

## CLASS 39

### Clothing

Ser. No. 382,980. INTERNATIONAL LATEX CORPORATION, Rochester, N. Y. Filed Sept. 2, 1936.



No claim is made to the representation of the package. The trade-mark consists of three relatively narrow red bands encircling the package, one band being disposed centrally and the other two bands being disposed on each side of the central band and substantially midway between the ends of the package and the central band.
For Bathing Caps, Latex Pants for Babies, and Latex Swim Pants.
Claims use since Jan. 10, 1936.

Ser. No. 395,400. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed July 19, 1937.

STRIDE

For Men's and Boys' Underwear of Knitted and Textile Fabrics.
Claims use since Apr. 2, 1931.



Ser. No. 396,337. REGAL PAPER CO., INC., Pulaski, N. Y. Filed Aug. 12, 1937.



The words "House Apron" are disclaimed apart from the mark.
For Women's Aprons Made of Paper.
Claims use since Oct. 29, 1936.

Ser. No. 397,050. PAUKER BROTHERS, New York, N. Y. Filed Sept. 2, 1937.

GLENSPEY

For Mufflers, Bathing Suits, Hosiery, Sweaters, and Gloves Made of Leather, Fabric, and Combinations of Leather and Fabric.
Claims use since August, 1935.

Ser. No. 399,920. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed Nov. 19, 1937.

Ann Foster

The mark consists of the signature of a designer having the surname "Foster" and known in business as "Ann Foster".
For Women's Dresses.
Claims use since Oct. 25, 1937.

Ser. No. 401,184. GOLDEN ART HOSIERY COMPANY, Nashville, Tenn. Filed Dec. 22, 1937.

Peek-a-Neeze

For Hosiery.
Claims use since Jan. 16, 1936.

Ser. No. 401,354. SHU-STILES, INCORPORATED, St. Louis, Mo. Filed Dec. 29, 1937.

Artistyle

For Women's Shoes of Leather, Fabric, and/or Combinations of the Same.
Claims use since Oct. 14, 1937.

Ser. No. 401,681. THE G. EDWIN SMITH SHOE COMPANY, Columbus, Ohio. Filed Jan. 7, 1938.

CharmStep
THE SHOE OF THE HOUR

Applicant disclaims the word "Shoe" and the outline of an arch support per se apart from the mark.
For Women's Shoes Made of Leather, Fabric, and Combinations Thereof.
Claims use since Oct. 1, 1937.

Ser. No. 402,087. DONCASTER COLLAR AND SHIRT COMPANY, INC., Rutherfordton, N. C. Filed Jan. 19, 1938.




Applicant disclaims the word "Doncaster" except as shown.
For Ladies' and Misses' Dresses, Ladies' and Misses' Skirts, Ladies' and Misses' Blouses, Ladies' and Misses' Jackets, Ladies' and Misses' Slacks, Ladies' and Misses' Shorts, Ladies' and Misses' Playsuits, Ladies' and Misses' Culottes, Ladies' and Misses' Bandeaux, and Ladies' and Misses' Belts for Outer Wear.
Claims use since July 12, 1936, for entire mark; since February, 1931, for "Doncaster".

Ser. No. 402,666. CORT SHOES, INC., Cleveland, Ohio. Filed Feb. 3, 1938.




Applicant disclaims the words "Rosedale" and "Smart Shoes".
For Men's, Women's, and Children's Shoes Made of Leather, Fabric, Rubber, or Any Combination of One or More of Said Materials.
Claims use since March, 1936.

Ser. No. 402,766. CABLE SHOES, INC., Los Angeles, Calif. Filed Feb. 7, 1938.

Cable

For Leather Shoes.
Claims use since Jan. 18, 1938.

Ser. No. 403,482. UNITED SHEEPLINED CLOTHING CO., Long Branch, N. J. Filed Feb. 26, 1938.




The picture is a representation of the American pioneer Daniel Boone.

For Leather and Fabric Coats and Jackets, and Coats and Jackets of Leather and Fabric Combinations, for Men, Women, and Children.

Claims use since Feb. 15, 1938.

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Ser. No. 403,557. ERNEST TRAVIS OLIVER, Houston, Tex. Filed Mar. 1, 1938.

The Hosiery Bar

No claim is made to the word "Hosiery" apart from the mark.

For Hosiery, Neckties, and Underwear for Men and Women.

Claims use since Oct. 20, 1937.

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Ser. No. 403,609. THE NEATFORM CO., INC., New York, N. Y. Filed Mar. 2, 1938.

Cheer Leader

For Foundation Garments.

Claims use since Sept. 27, 1937.

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Ser. No. 403,894. ATLAS NECKWEAR COMPANY, Philadelphia, Pa. Filed Mar. 10, 1938.

SWANKRAVAT

For Neckties and Mufflers.

Claims use since July 1, 1937.

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Ser. No. 403,999. DANIEL'S KNITTING MILLS, New York, N. Y. Filed Mar. 12, 1938.




For Men's and Boys' Sweaters.

Claims use since Feb. 25, 1938.

Ser. No. 404,308. SAMUEL J. GOLDFARB, New York, N. Y. Filed Mar. 21, 1938.




No claim is made to the words "Feel Gay All Day Wear" apart from the mark.

For Misses' and Women's Dresses.

Claims use since Mar. 1, 1938.

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Ser. No. 404,378. SAKS & COMPANY, New York, N. Y. Filed Mar. 22, 1938.

Saksby

For Women's and Misses' Blouses.

Claims use since Mar. 2, 1938.

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Ser. No. 404,570. JUSTO RUFINO MACHADO, New York, N. Y. Filed Mar. 28, 1938.




The portrait is that of the Chief Lempira, the Hondurian hero, now deceased.

For Men's and Women's Bathing Suits.

Claims use since Mar. 1, 1938.

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Ser. No. 404,629. BONWIT TELLER, INC., New York, N. Y. Filed Mar. 30, 1938.

"SPRING TONIC"

For Women's and Misses' Furs—i. e., Coats, Capes, Scarfs, and Muffs; Dresses, Teagowns, Coats, Suits, Outer Skirts, Blouses, Sweaters, Hosiery, Scarfs; Gloves Made of Leather and Fabric; Nightgowns, Negligees, Slips, Panties, and Brassières.

Claims use since Mar. 23, 1938.



Ser. No. 404,719. L. D. LIVINGSTON & SONS, New York, N. Y. Filed Mar. 31, 1938.

SWAGGER Shirt

A HOLLYVOGUE Product

The words "Swagger Shirt" and "Product" are disclaimed apart from the mark.

For Ladies' and Misses' Knitted Dresses, Blouses, and Sweaters.

Claims use since Nov. 20, 1936.

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Ser. No. 404,730. JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed Mar. 31, 1938.

The STETSON Special



Applicant is owner of T. M. Reg. No. 51,990 (renewed) effected under the 10-year proviso for the word "Stetson".

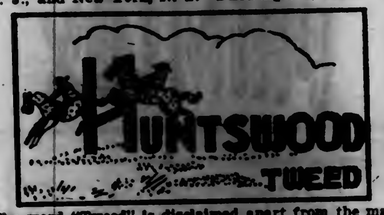
The words "Special" and "American Manufacture" are disclaimed apart from the mark.

For Men's and Boys' Felt and Straw Hats and Cloth Caps, Men's Silk Hats, and Felt and Straw Hats for Women and Children.

Claims use since Mar. 24, 1938.

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Ser. No. 404,832. A. DAVIS & SONS, INC., Jersey City, N. J., and New York, N. Y. Filed Apr. 4, 1938.




The word "Tweed" is disclaimed apart from the mark.

For Ladies' Suits and Coats.

Claims use since January, 1938.

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Ser. No. 404,928. THE PERRY KNITTING COMPANY, Perry, N. Y. Filed Apr. 5, 1938.

Rabart

For Men's and Boys' Sweat Shirts, Men's, Boys', and Children's Sweaters, Sweater Coats, Union Suits, and Undershirts.

Claims use since Feb. 21, 1938.

Ser. No. 404,929. JENATH KNITWEAR, INC., New York, N. Y. Filed Apr. 5, 1938.

Mongolama

For Ladies' Sweaters.

Claims use since Mar. 1, 1938.

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Ser. No. 404,957. WM. SIMPSON, SONS & CO., INC., Philadelphia, Pa. Filed Apr. 6, 1938.

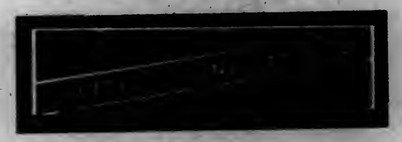
ACLEENA

For Outer Shirts.

Claims use since Mar. 8, 1938.

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Ser. No. 405,103. COHEN, GOLDMAN & CO. INC., New York, N. Y. Filed Apr. 11, 1938.



The words "British Lounge Model" are disclaimed apart from the mark.

For Men's, Boys', and Children's Outer Garments, Consisting of Coats, Vests, Pants, and Trousers; Also Men's Overcoats and Topcoats; Also Women's Overcoats, Topcoats, and Suits, Consisting of Outer Coat, Ensemble, Vest, and Skirt.

Claims use since Mar. 1, 1935.

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Ser. No. 405,165. THE FRANK H. LEE COMPANY, Danbury, Conn. Filed Apr. 12, 1938.




For Men's and Women's Hats.

Claims use since Mar. 31, 1938.

Ser. No. 405,187. WESTERN LEATHER CLOTHING COMPANY, St. Louis, Mo. Filed Apr. 12, 1938.




For Lumber Jackets.
Claims use since July, 1937.

Ser. No. 405,213. THE LA RESISTA CORSET COMPANY, Bridgeport, Conn. Filed Apr. 13, 1938.

"NAKETTE"

For Ladies' Corsets, Corselets, Girdles, and Foundation Undergarments Comprising Combinations of Two or More of the Following: Brassière or Bandeau, Girdle, Corset or Corselet, and Underdrawers or Bloomers.
Claims use since June 1, 1933.

Ser. No. 405,240. CONTINENTAL UNDERGARMENT CO., INC., Brooklyn, N. Y. Filed Apr. 14, 1938.



The illustration of the girl is fanciful.
For Ladies', Misses', and Children's Underwear—Namely, Panties, Bloomers, Slips, Petticoats.
Claims use since Dec. 15, 1937.

Ser. No. 405,242. EAGLE CLOTHES, New York, N. Y. Filed Apr. 14, 1938.



For Overcoats and Topcoats for Men and Young Men.
Claims use since Apr. 12, 1938.

Ser. No. 405,362. LUBIN-WEEKER CO., INC., New York, N. Y. Filed Apr. 16, 1938.

"Mr. BIG"

For Men's Pajamas.
Claims use since Jan. 2, 1938.

Ser. No. 405,432. BELK BROTHERS COMPANY, Charlotte, N. C. Filed Apr. 19, 1938.

[redacted]

For Ladies' Hosiery.
Claims use since Sept. 27, 1937.

## CLASS 40

### Fancy Goods, Furnishings, and Notions

Ser. No. 402,209. THURSTON CUTTING CORPORATION, New York, N. Y. Filed Jan. 21, 1938.

WELD-EDGE

For Cut Fabric Tape—Namely, Binding Tape for Binding Articles Such as Blankets, Garments, Etc.
Claims use since Dec. 17, 1937.

Ser. No. 403,941. ETABLISSEMENTS RENÉ PONTY SOCIÉTÉ EN NOM COLLECTIF, Brussels, Belgium. Filed Mar. 11, 1938.

COUTURA

For Needlework Packets, Consisting of Cut Patterned Fabric and Felt Applique Motifs and Designs for Securing to Any Foundation Material, Together With Instructions as to the Use.
Claims use since June 19, 1936.

Ser. No. 404,896. L. F. GRAMMES & SONS, INCORPORATED, Allentown, Pa. Filed Apr. 5, 1938.

PRIMLOX

For Combination Hairpin and Barrette, and Also a Hair Curler.
Claims use since Apr. 1, 1938.

Ser. No. 405,226. STRAUSS BROS. & CO., New York, N. Y. Filed Apr. 13, 1938.



For Needles for Hand Use.
Claims use since November, 1936.



Ser. No. 405,509. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Apr. 20, 1938.

FILMSTAR

For Dress Shields.
Claims use since August, 1937.

## CLASS 42

### Knitted, Netted, and Textile Fabrics

Ser. No. 405,129. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Apr. 11, 1938.

GONE WITH THE WIND

For Chintz and Drapery Piece Goods.
Claims use since Jan. 26, 1937.

Ser. No. 405,340. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y. Filed Apr. 16, 1938.



For Bed Sheets, Pillow Cases, Towels, Slip Covers, Furniture Scarfs, Textile Rug Pads, and Doilies.
Claims use since Aug. 10, 1910.

Ser. No. 405,344. CARLTON MILLS CO., INC., Philadelphia, Pa. Filed Apr. 16, 1938.

KARAGORA

For Woolen Piece Goods.
Claims use since October, 1937.

Ser. No. 405,349. C. M. DELAND, New York, N. Y. Filed Apr. 16, 1938.




For Piece Goods of Wool.
Claims use since Mar. 8, 1938.

Ser. No. 405,523. PERVEL CORPORATION, New York, N. Y. Filed Apr. 20, 1938.

PYNO

For Pillow Cases.
Claims use since Mar. 16, 1938.

Ser. No. 405,673. STERN & STERN TEXTILE IMPORTERS, INC., New York, N. Y. Filed Apr. 23, 1938.

PERMASOIE

For Silk Piece Goods.
Claims use since Dec. 27, 1934.

Ser. No. 405,674. WHITTENTON MANUFACTURING COMPANY, Boston, Mass. Filed Apr. 23, 1938.

METEOR

For Cotton and Rayon Piece Goods, Cotton and Rayon Blankets, Cotton Piece Goods, and Cotton Blankets.
Claims use since Feb. 2, 1931.

Ser. No. 405,770. BERTRAM EHRENBERG, doing business as B. Ehrenberg Co., New York, N. Y. Filed Apr. 27, 1938.

EHRCOOL

For Textile Fabrics in the Piece Made of Rayon, Cotton, Wool, Worsted, Linen, and Mixtures of These Materials.
Claims use since Apr. 7, 1938.

## CLASS 44

### Dental, Medical, and Surgical Appliances

Ser. No. 388,406. FRANK H. NEWTON, doing business as Vib-Ray-Ped Sales Co., Los Angeles, Calif. Filed Feb. 1, 1937.

VIB-RAY-PED

No claim is made to the word "Ray" apart from the drawing.
For Electric Vibrators.
Claims use since Apr. 1, 1936.

Ser. No. 403,117. COB LABORATORIES, INC., Chicago, Ill. Filed Feb. 17, 1938.

DENSPRAY

For Instrument Used in the Spraying of Dental Models.
Claims use since July 25, 1936.

## CLASS 45

### Beverages, Nonalcoholic

Ser. No. 402,262. L. J. BRADFORD, doing business as Zero Beverage Co., Fort Worth, Tex. Filed Jan. 27, 1938.

ZERO

For Nonalcoholic, Noncereal, Maltless Beverage.
Claims use since Jan. 18, 1938.

Ser. No. 405,563. MONTREAL ORANGE BOTTLING COMPANY LIMITED, Montreal, Quebec, Canada. Filed Apr. 21, 1938.

Flint

For Carbonate Drink.
Claims use since Mar. 24, 1934.

## CLASS 46

### Foods and Ingredients of Foods

Ser. No. 363,822. RED LINE COMMERCIAL COMPANY, INC., New York, N. Y. Filed Apr. 16, 1935.

Spindrift

For Canned Crab-Meat.
Claims use since July 10, 1931.

Ser. No. 367,331. AMERICAN POP CORN COMPANY, Sioux City, Iowa. Filed July 16, 1935.

Thunderbolt

For Pop Corn.
Claims use since July 1, 1935.

Ser. No. 387,693. AKTIEBOLAGET BRÖDERNE AMELN, Stockholm, Sweden. Filed Jan. 12, 1937.

ABBA

For Fresh, Salt, Dried, Smoked, Canned, and Preserved Edible Fish and Shell-Fish, and Edible Products of Fish and Shell-Fish; Fresh, Salt, Dried, Smoked, Canned, and Preserved Meat, and Edible Products Thereof; Dressed and Canned Poultry and Game Birds, and Edible Products Thereof; Fresh, Canned, Preserved, and Dried Fruits and Vegetables, and Edible Products Thereof; Tea; Coffee; Biscuits; Bread; Yeast; Butter; Cheese; Ice Cream; Fresh, Canned, and Dried Milk and Cream; Candy; Chocolate; Cocoa; and Chewing Gum.
Claims use since Jan. 10, 1929.

Ser. No. 389,269. SOCIEDAD ANONIMA AUXILIAR FABRIL AGRICOLA & COMERCIAL, Buenos Aires, Argentina. Filed Feb. 23, 1937.




The portrait is that of Carlos Gardel, deceased.
For Yerba Mate.
Claims use since April, 1936.

Ser. No. 389,750. WALTER J. SALES, Philadelphia, Pa., assignor to A. Sales & Son, Inc., Philadelphia, Pa. Filed Mar. 6, 1937.

GRAND HOTEL

For Canned Fruits and Canned Vegetables, Coffee, Tea, Salad and Cooking Oils, Canned Fish, and Chili Sauce.
Claims use since Mar. 17, 1906.

Ser. No. 391,560. BETTAR ICE CREAM CO., INCORPORATED, doing business as ANN Penn Caterers, Baltimore, Md. Filed Apr. 20, 1937.

ANN PENN

For Ice Cream, Ices, and Sherbets.
Claims use since Apr. 1, 1936.

Ser. No. 395,282. CHRISTENSEN PRODUCTS CORPORATION, Weslaco, Tex. Filed July 16, 1937.

TROPIC GOLD

For Processed Citrus Fruit Products—Namely, Canned Grapefruit Juice, for Food Beverage Purposes.
Claims use since February, 1935.



Ser. No. 396,445. BUDDY BOY NUT HOUSE, INC., Chicago, Ill. Filed Aug. 16, 1937.

Buddy Boy

For Nuts and Candy.
Claims use since Jan. 1, 1932.

Ser. No. 401,174. ARTHUR CANNERIES, INC., Montpelier, Ind. Filed Dec. 23, 1937.




The picture of the tomato is not claimed apart from the mark.
For Canned Vegetables.
Claims use since Nov. 1, 1937.

Ser. No. 401,232. ARTHUR CANNERIES, INC., Montpelier, Ind. Filed Dec. 27, 1937.




The picture of the tomato is not claimed apart from the mark.
For Canned Vegetables.
Claims use since Nov. 1, 1937.

Ser. No. 401,503. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif. Filed Jan. 3, 1938.

MUTUAL

For Canned Citrus Fruits and Canned Citrus Fruit Juices for Food Purposes.
Claims use since Dec. 2, 1937.

Ser. No. 401,765. CHURCH & DWIGHT CO. INC., New York, N. Y. Filed Jan. 11, 1938.



For Baking Soda for Use as an Ingredient in the Preparation of Foods.
Claims use since 1874.

Ser. No. 401,766. CHURCH & DWIGHT CO. INC., New York, N. Y. Filed Jan. 11, 1938.

ARM&HAMMER

For Baking Soda for Use as an Ingredient in the Preparation of Foods.
Claims use since 1874.

Ser. No. 401,767. CHURCH & DWIGHT CO. INC., New York, N. Y. Filed Jan. 11, 1938.

COW BRAND

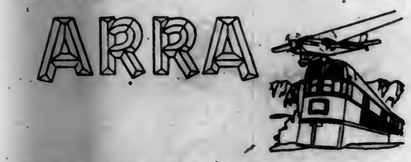
No claim is made to the word "Brand" except as shown.
For Baking Soda for Use as an Ingredient in the Preparation of Foods.
Claims use since 1880.

Ser. No. 401,768. CHURCH & DWIGHT CO. INC., New York, N. Y. Filed Jan. 11, 1938.



For Baking Soda for Use as an Ingredient in the Preparation of Foods.
Claims use since 1876.

Ser. No. 403,408. GIUMARRA BROS., Los Angeles, Calif. Filed Feb. 25, 1938.




For Fresh Citrus Fruits, Fresh Deciduous Fruits, and Fresh Vegetables.
Claims use since Feb. 14, 1938.

Ser. No. 403,453. E. W. J. HEARTY, INC., New York, N. Y. Filed Feb. 26, 1938.



The drawing is lined for yellow and blue.
For Canned Chicken, Canned Turkey, Canned Partridge, Canned Geese and Canned Duck.
Claims use since December, 1936.

Ser. No. 403,454. E. W. J. HEARTY, INC., New York, N. Y. Filed Feb. 26, 1938.

Hearty

For Canned Chicken.
Claims use since Mar. 15, 1937.

Ser. No. 403,945. GENERAL MILLS, INC., Minneapolis, Minn. Filed Mar. 11, 1938.

DYNAMO

For Flour, Particularly Wheat Flour.
Claims use since 1914.

Ser. No. 404,160. BAKERS' SUPPLY & EQUIPMENT CO., St. Paul, Minn. Filed Mar. 17, 1938.

PUFF TREATS

For Puffed Breakfast Cereals, as Rice, Wheat, Oats, Rye, and Corn.
Claims use since Nov. 1, 1937.

Ser. No. 404,435. FLAKO PRODUCTS CORPORATION, New Brunswick, N. J. Filed Mar. 24, 1938.

FLAKORN

For Prepared Mixture for Corn Muffins.
Claims use since Mar. 10, 1938.

Ser. No. 404,733. WHITSON PRODUCTS CO., INC., Brooklyn, N. Y. Filed Mar. 31, 1938.




For Chocolate Flavored Powder for Use in Flavoring Dairy Drinks.
Claims use since Oct. 20, 1936.

Ser. No. 404,800. LEON ISRAEL & BROS., INC., New York, N. Y. Filed Apr. 2, 1938.

IVONE

For Green Coffee.
Claims use since July 1, 1935.

Ser. No. 404,810. LEON ISRAEL & BROS., INC., New York, N. Y. Filed Apr. 2, 1938.

TOYUBA

For Green Coffee.
Claims use since July 1, 1935.

Ser. No. 404,835. DESERT CITRUS PRODUCTS ASSOCIATION, Tempe, Ariz. Filed Apr. 4, 1938.




For Canned Citrus Juices for Food Purposes.
Claims use since March, 1932.



Ser. No. 404,854. E. F. LANE & SON, San Francisco, Calif. Filed Apr. 4, 1938.



The drawing is lined for blue, orange, and yellow.
For Honey.
Claims use since June, 1934.

Ser. No. 405,056. FRANCESCO BRAGNO, doing business as Bragno & Company, Chicago, Ill. Filed Apr. 9, 1938.




The name "Ettore Fieramosca" was the personal name of a deceased Italian soldier.
For Olive Oil.
Claims use since Apr. 29, 1909.

Ser. No. 405,442. HACIENDA FLORES, INC., Fort Lauderdale, Fla. Filed Apr. 19, 1938.

QUINTA

For Fresh Citrus Fruits, Avocados, Papayas, and Mangos.
Claims use since Sept. 13, 1937.

Ser. No. 405,504. GROCERS SERVICE CORPORATION, Chicago, Ill. Filed Apr. 20, 1938.

TABLE HINTS

For Canned Vegetables, Canned Fruits, Canned Fruit Juices for Food Purposes, Canned Pumpkin, Canned Sauerkraut, and Canned Sweet Potatoes.
Claims use since Mar. 31, 1937.

Ser. No. 405,555. IMPERIAL CANDY CO., Seattle, Wash. Filed Apr. 21, 1938.

sweeticular

For Candy.
Claims use since Nov. 29, 1935.

## CLASS 47

### Wines

Ser. No. 402,506. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Jan. 31, 1938.

Crossette

For Champagne.
Claims use since Sept. 25, 1937.

Ser. No. 404,318. PAUL MASSON CHAMPAGNE COMPANY, Saratoga, Calif. Filed Mar. 21, 1938.

SIGNATURE WINE

The word "Wine" is disclaimed apart from the mark. The signature is that of Martin E. Ray, applicant's plant superintendent.
For Wines.
Claims use since Nov. 8, 1937.

## CLASS 48

### Malt Beverages and Liquors

Ser. No. 394,539. KOPPITZ-MELCHERS, INC., Detroit, Mich. Filed June 26, 1937.




No claim is made to the words "Pale Select" apart from the mark.
For Beer.
Claims use since Jan. 15, 1937, for entire mark; and since 1890 for the words "Pale Select".

Ser. No. 405,457. MOUNT CARBON MANUFACTURING AND SUPPLY COMPANY, doing business as Mt. Carbon Brewery, Pottsville, Pa. Filed Apr. 19, 1938.

M.C.

For Beer.
Claims use since February, 1938.

Ser. No. 405,462. SALINAS BREWING & ICE COMPANY, Salinas, Calif. Filed Apr. 19, 1938.

RODEO

For Lager Beer.
Claims use since May, 1936.

## CLASS 49

### Distilled Alcoholic Liquors

Ser. No. 391,483. MANY, BLANC & CO., INC., Chicago, Ill. Filed Apr. 17, 1937.

Belle of Scotland

The term "Scotland" is disclaimed apart from the mark.
For Blended Scotch Type Whiskey, Gin, Cordials, and Liqueurs.
Claims use since Jan. 1, 1937.

## CLASS 50

### Merchandise Not Otherwise Classified

Ser. No. 404,450. THE RELIABLE TEXTILE COMPANY, Chicago, Ill. Filed Mar. 24, 1938.

Reliatex

For Goods Having a Fabric Base Such as Cloth, or a Fibrous Base Such as Paper, Treated or Coated with a Material Such as Pyroxylin or Rubber, and Generally for Artificial Leather.
Claims use since Dec. 28, 1937.

Ser. No. 404,461. ADDRESSOGRAPH-MULTIGRAPH CORPORATION, Euclid Village, Cleveland, Ohio. Filed Mar. 25, 1938.

MULTEX

For Planographic Plates.
Claims use since Oct. 1, 1937.

[ACT OF FEBRUARY 20, 1905, AS AMENDED JUNE 20, 1936]

## CLASS 46

### Foods and Ingredients of Foods

Ser. No. 390,374. LANDBRUGSMINISTERIET, Copenhagen, Denmark. Filed Mar. 22, 1937.

DANMARK.00

Act of Feb. 20, 1905, as amended June 20, 1936.
The word "Danmark" and the symbol "00" are disclaimed apart from the mark.
For Meats and Meat Products, Especially Bacon, Pork, and Offals of Hogs.
Claims use since 1901.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 14, 1938

357,664. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. HARVARD BREWING CO., Lowell, Mass.
Filed December 26, 1933. Serial No. 345,336. PUBLISHED MARCH 22, 1938. Class 48.

357,665. FRESH ORANGES. JOHN H. HINKLE, Redlands, Calif.
Filed February 20, 1934. Serial No. 347,640. PUBLISHED MARCH 8, 1938. Class 46.

357,666. [WITHDRAWN.]

357,667. GIN. GENERAL DISTILLERIES CORPORATION, Hartford, Conn.
Filed September 14, 1934. Serial No. 356,031. PUBLISHED OCTOBER 16, 1934. Class 49.

357,668. GAS AND OIL SEPARATORS, OIL AND GAS SEPARATORS, OIL AND WATER SEPARATORS, OIL, WATER, AND SAND SEPARATORS, MIXER HEADS, GAS TRAPS. MASTER SEPARATOR AND VALVE CO., Los Angeles, Calif.
Filed July 11, 1936. Serial No. 380,916. PUBLISHED APRIL 5, 1938. Class 13.

357,669. MEDICINE FOR THE RELIEF OF COLDS, FOR THE RELIEF OF RHEUMATIC AND MUSCULAR PAINS, GENERAL TONICS, LAXATIVES, AND TOILET LOTIONS. SARATOGA LABORATORY, Springfield, Mass.
Filed August 7, 1936. Serial No. 381,919. PUBLISHED NOVEMBER 17, 1936. Class 6.

357,670. HAIR BRUSHES. METALFIELD INCORPORATED, Long Island City, N. Y.
Filed October 2, 1936. Serial No. 383,892. PUBLISHED APRIL 5, 1938. Class 29.

357,671. TYPEWRITING MACHINES AND PARTS OF TYPEWRITING MACHINES. E. PAILLARD & CIE. SOCIÉTÉ ANONYME, Ste. Croix, Canton Vaud, Switzerland.
Filed October 22, 1936. Serial No. 384,669. PUBLISHED APRIL 5, 1938. Class 23.

357,672. SLIPS. KEWPIE LINGERIE INC., New York, N. Y.
Filed November 19, 1936. Serial No. 385,737. PUBLISHED MARCH 9, 1937. Class 39.

357,673. ELECTRICAL CABLE. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed December 8, 1936. Serial No. 386,510. PUBLISHED APRIL 5, 1938. Class 21.

357,674. NAPKINS, TABLE CLOTHS, FURNITURE SCARFS, TOWELS AND SHEETS. "SNIDERS", New Orleans, La.
Filed December 14, 1936. Serial No. 386,746. PUBLISHED APRIL 5, 1938. Class 42.

357,675. AUTOMOBILES AND STRUCTURAL PARTS THEREOF. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed December 16, 1936. Serial No. 386,835. PUBLISHED APRIL 5, 1938. Class 19.

357,676. PORTABLE APPARATUS ADAPTED FOR VARIOUS USES, SUCH AS AN AUTOMOBILE JACK, FOR TOWING, AND FOR STRAIGHTENING BODIES, FENDERS, AND THE LIKE. AUTO SPECIALTIES MANUFACTURING COMPANY, INC., St. Joseph, Mich.
Filed December 30, 1936. Serial No. 387,261. PUBLISHED APRIL 5, 1938. Class 23.

357,677. RECORD FORMS—NAMELY, PAPER RECORD FORMS, PAPER RECORD SHEETS, PAPER RECORD STRIPS, LETTER PAPER, ROLLS OF PAPER RECORD STRIPS, RECORD SUPPLY PADS OF PAPER RECORD STRIPS, SALES BOOKS AND BLANK BOOKS, AND MANIFOLDING SETS OF RECORD SHEETS OR STRIPS. AMERICAN SALES BOOK COMPANY, INC., Niagara Falls and Elmira, N. Y.
Filed January 7, 1937. Serial No. 387,533. PUBLISHED MARCH 1, 1938. Class 37.

357,678. RECORD FORMS—NAMELY, PAPER RECORD FORMS, PAPER RECORD SHEETS, PAPER RECORD STRIPS, LETTER PAPER, ROLLS OF PAPER RECORD STRIPS, RECORD SUPPLY PADS OF PAPER RECORD STRIPS, SALES BOOKS AND BLANK BOOKS, AND MANIFOLDING SETS OF RECORD SHEETS OR STRIPS. AMERICAN SALES BOOK COMPANY, INC., Niagara Falls and Elmira, N. Y.
Filed January 7, 1937. Serial No. 387,534. PUBLISHED MARCH 1, 1938. Class 37.

357,679. RECORD FORMS—NAMELY, PAPER RECORD FORMS, PAPER RECORD SHEETS, PAPER RECORD STRIPS, LETTER PAPER, ROLLS OF PAPER RECORD STRIPS, RECORD SUPPLY PADS OF PAPER RECORD STRIPS, SALES BOOKS AND BLANK BOOKS, AND MANIFOLDING SETS OF RECORD SHEETS OR STRIPS. AMERICAN SALES BOOK COMPANY, INC., Niagara Falls and Elmira, N. Y.
Filed January 7, 1937. Serial No. 387,535. PUBLISHED MARCH 1, 1938. Class 37.

357,680. FLOUR PREPARED ESPECIALLY FOR USE IN MAKING CASINGS FOR FILLED ARTICLES OF FOOD. THE OVEN-KWIK CORPORATION, Chicago, Ill.
Filed February 25, 1937. Serial No. 389,371. PUBLISHED APRIL 5, 1938. Class 46.

357,681. TOILET WATERS. BULLOCK'S, INC., Los Angeles, Calif.
Filed March 5, 1937. Serial No. 389,674. PUBLISHED MARCH 22, 1938. Class 6.

357,682. MAGAZINES AND PERIODICALS. KATHARINE HAWLEY, New York, N. Y.
Filed March 8, 1937. Serial No. 389,789. PUBLISHED APRIL 5, 1938. Class 38.

357,683. ASTRINGENTS, BEAUTY CREAMS, BATH SALTS, BAY RUM, BODY POWDERS, BATH POWDERS, BRILLIANTINE, ETC. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass.
Filed March 12, 1937. Serial No. 389,983. PUBLISHED MARCH 22, 1938. Class 6.

357,684. CANDY. SCHUTTER CANDY COMPANY, Chicago, Ill.
Filed March 29, 1937. Serial No. 390,672. PUBLISHED JUNE 8, 1937. Class 46.

357,685. LUBRICATING OILS. LION OIL REFINING COMPANY, El Dorado, Ark.
Filed April 8, 1937. Serial No. 391,076. PUBLISHED MARCH 22, 1938. Class 15.

357,686. DUMP BODIES. THE GALION METALLIC VAULT COMPANY, doing business as Hercules Steel Products Company, Galion, Ohio.
Filed April 16, 1937. Serial No. 391,421. PUBLISHED AUGUST 3, 1937. Class 19.

357,687. LUBRICATING OILS. LION OIL REFINING COMPANY, El Dorado, Ark.
Filed April 20, 1937. Serial No. 391,578. PUBLISHED MARCH 22, 1938. Class 15.

357,688. FACIAL CREAMS, FACE POWDER, ROUGE, ASTRINGENT, AND PERFUME. JEANNE DE VRIES, doing business as Jeanne Doré, New York, N. Y.
Filed May 14, 1937. Serial No. 392,749. PUBLISHED FEBRUARY 15, 1938. Class 6.

357,689. HERB PREPARATION FOR THE TREATMENT OF RHEUMATISM AND KIDNEY DISEASES. WARREN J. DAVIS, doing business as The Can-U-Til-Lo Company, Camden, N. J.
Filed May 18, 1937. Serial No. 392,956. PUBLISHED MARCH 22, 1938. Class 6.

357,690. ELECTRICAL THERAPEUTIC MACHINES. DIXON AND DUMBOLTON, Spokane, Wash.
Filed May 28, 1937. Serial No. 393,369. PUBLISHED APRIL 5, 1938. Class 44.

357,691. INGREDIENT USED AS A LUBRICANT BASE, TO IMPORT HIGH FILM STRENGTH, EXTREME PRESSURE PROPERTIES, ETC. TO THE LUBRICANT, THIS INGREDIENT CONSISTS OF INSOLUBLE METALLIC SOAPS, SUCH AS LEAD OLEATE, LEAD STEARATE, LEAD PALMITATE, LEAD NAPHTHENATE AND SIMILAR LEAD SOAPS OR COMBINATIONS OR MIXTURES OF THE SAME. METASAP CHEMICAL COMPANY, Harrison, N. J.
Filed May 29, 1937. Serial No. 393,438. PUBLISHED MARCH 22, 1938. Class 6.

357,692. VIBRATED SCREEN SEPARATING MACHINES FOR LOOSE MATERIALS, SUCH AS COKE, CRUSHED STONE, ORE, SAND, AND GRAVEL. ROBINS CONVEYING BELT COMPANY, Passaic, N. J., and New York, N. Y.
Filed June 2, 1937. Serial No. 393,550. PUBLISHED OCTOBER 19, 1937. Class 23.

357,693. VIBRATED SCREEN SEPARATING MACHINES FOR LOOSE MATERIALS, SUCH AS COKE, CRUSHED STONE, ORE, SAND, AND GRAVEL. ROBINS CONVEYING BELT COMPANY, Passaic, N. J., and New York, N. Y.
Filed June 2, 1937. Serial No. 393,554. PUBLISHED OCTOBER 19, 1937. Class 23.

357,694. CUSHIONS, PADS, AND SEATS. BOSTON LEATHER SPECIALTIES INC., Everett, Mass.
Filed June 17, 1937. Serial No. 394,157. PUBLISHED APRIL 5, 1938. Class 32.

357,695. ARTIFICIAL TEXTILE FILAMENTS IN STAPLES, HAVING HIGH TENSILE STRENGTH. THE SOCIETÀ ANONIMA SNIA-VISCOSA, SOCIETÀ NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA, Turin, Italy.
Filed July 15, 1937. Serial No. 395,245. PUBLISHED MARCH 22, 1938. Class 43.

357,696. GENERAL ANTISEPTIC AND ANTITOXIC MEDICINES FOR USE INTERNALLY, USEFUL IN THE TREATMENT OF DISEASES OF THE BODY INCLUDING TUBERCULOSIS, MALARIA, AND VARIOUS INFECTIONS. LABORATORIOS CABSUA, S. A., Mexico, D. F., Mexico.
Filed July 20, 1937. Serial No. 395,451. PUBLISHED MARCH 29, 1938. Class 6.

357,697. MOLE REMOVER SOLUTION, SHAMPOO, AND FACE POWDER. AMERICAN TROPICAL PRODUCTS COMPANY, INC., New York, N. Y.
Filed July 21, 1937. Serial No. 395,468. PUBLISHED OCTOBER 26, 1937. Class 6.

357,698. SERIES OF EXTRA-SENSORY PERCEPTION TEST CARDS. JOSEPH BANKS RHINE, Durham, N. C.
Filed July 28, 1937. Serial No. 395,720. PUBLISHED APRIL 5, 1938. Class 22.

357,699. WIND-DRIVEN POWER APPARATUS AND IMPELLERS THEREFOR. WINCHARGER CORPORATION, Sioux City, Iowa.
Filed July 29, 1937. Serial No. 395,778. PUBLISHED APRIL 5, 1938. Class 23.

357,700. WIND-DRIVEN POWER APPARATUS AND IMPELLERS THEREFOR. WINCHARGER CORPORATION, Sioux City, Iowa.
Filed July 29, 1937. Serial No. 395,779. PUBLISHED APRIL 5, 1938. Class 23.

357,701. ELECTRIC RECTIFIER-TYPE A. C. TO D. C. POWER CONVERTERS, ELECTRIC CURRENT RECTIFIERS, ELECTRIC BATTERY CHARGERS INCLUDING PORTABLE AND STATIONARY RAILROAD CAR BATTERY CHARGERS. P. R. MALLORY & Co., INC., Indianapolis, Ind.
Filed August 2, 1937. Serial No. 395,922. PUBLISHED MARCH 29, 1938. Class 21.

357,702. DAIRY PREPARATIONS—NAMELY, CHEESE COLOR, BUTTER COLOR, ICE CREAM COLOR, LACTIC FERMENT CULTURE, BULGARIAN MILK CULTURE, NEUTRALIZER (STANDARD ALKALI SOLUTION), INDICATOR (PHENOLPHTHALEIN), BUTTER COLOR REDUCER, AND FLY SPRAY. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y.
Filed August 4, 1937. Serial No. 395,993. PUBLISHED MARCH 29, 1938. Class 6.

357,703. CHEMICAL COMPOUND HAVING WATER SOFTENING AND GERMICIDAL PROPERTIES FOR USE IN WASHING GLASSES USED WITH SERVICE IN PUBLIC PLACES, ETC. CALGON INCORPORATED, Pittsburgh, Pa.
Filed August 10, 1937. Serial No. 396,222. PUBLISHED MARCH 29, 1938. Class 6.

357,704. WOOD AND MARBLE CEMENT IN STICK FORM. STAR CHEMICAL CO. INC., Chicago, Ill.
Filed September 1, 1937. Serial No. 397,007. PUBLISHED FEBRUARY 8, 1938. Class 5.

357,705. COMBINATION METAL GREETING CARD DISPLAY AND FILING CABINET. MILLER ART CO. INC., Brooklyn, N. Y.
Filed September 2, 1937. Serial No. 397,044. PUBLISHED APRIL 5, 1938. Class 32.

357,706. COMBINED GAS OR ELECTRIC RANGE AND SINK. WHITEHEAD METAL PRODUCTS COMPANY OF NEW YORK, INC., New York, N. Y.
Filed September 2, 1937. Serial No. 397,061. PUBLISHED JANUARY 4, 1938. Class 34.

357,707. DRY MIX USED FOR PREPARING SOUP. KITCHEN ART FOODS INC., Chicago, Ill.
Filed September 3, 1937. Serial No. 397,081. PUBLISHED APRIL 5, 1938. Class 46.

357,708. CREAM LOTION. POND'S EXTRACT COMPANY, New York, N. Y.
Filed September 8, 1937. Serial No. 397,228. PUBLISHED NOVEMBER 9, 1937. Class 6.

357,709. ELECTRIC SHAVERS. ZEPHYR SHAVER CORPORATION, New York, N. Y.
Filed September 10, 1937. Serial No. 397,317. PUBLISHED NOVEMBER 9, 1937. Class 23.

357,710. CHEMICAL SUBSTANCE FOR AIDING IN THE CLEANING OF TANKS, BOWLS, AND TRAPS OF TOILETS. HUGO WITTMAN, doing business as Home Helpers Co., Buffalo, N. Y.
Filed September 20, 1937. Serial No. 397,601. PUBLISHED FEBRUARY 15, 1938. Class 4.

357,711. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR ANY COMBINATION OF THESE MATERIALS. A. H. GEUTING COMPANY, Philadelphia, Pa.
Filed September 22, 1937. Serial No. 397,658. PUBLISHED MARCH 1, 1938. Class 39.

357,712. PHONOGRAPH RECORDS FOR RADIO BROADCASTS. ALBERT G. WADE, doing business as Wade Advertising Agency, Chicago, Ill.
Filed September 24, 1937. Serial No. 397,784. PUBLISHED APRIL 5, 1938. Class 36.



357,713. TOOTH PASTE, HAIR AND SCALP PREPARATIONS, POWDERS AND TALCS FOR THE FACE AND SKIN, LOTIONS FOR THE SKIN AND FACE, SUNBURN LOTIONS AND PREPARATIONS, INCLUDING ANTISEPTIC OILS FOR SUNBURN. MCKESSON & ROBBINS, INCORPORATED, Fairfield, Conn.
Filed October 7, 1937. Serial No. 398,253. PUBLISHED JANUARY 4, 1938. Class 6.

357,714. GOLF CLUBS, HANDLES, HEADS, AND PARTS. EDWARD MYERS, Waltham, Mass.
Filed October 11, 1937. Serial No. 398,366. PUBLISHED APRIL 5, 1938. Class 22.

357,715. LADIES' UNDERGARMENTS, I. E., PETTICOATS, SLIPS, BED JACKETS, PAJAMAS, CHEMISES, NIGHT GOWNS, AND STEPINS, I. E., UNDERDRAWERS. DAVIDSON BROS., New York, N. Y.
Filed October 21, 1937. Serial No. 398,759. PUBLISHED APRIL 5, 1938. Class 39.

357,716. CHOCOLATE COVERED CANDIES. E. F. KEMP, INC., Somerville, Mass.
Filed October 21, 1937. Serial No. 398,774. PUBLISHED FEBRUARY 8, 1938. Class 46.

357,717. NATURAL AND SYNTHETIC ESSENTIAL OILS SUITABLE FOR PERFUMERY PURPOSES, ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, ETC. FIRMENICH & Co., INC., New York, N. Y.
Filed October 23, 1937. Serial No. 398,840. PUBLISHED MARCH 22, 1938. Class 6.

357,718. NATURAL AND SYNTHETIC ESSENTIAL OILS SUITABLE FOR PERFUMERY PURPOSES, ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, ETC. FIRMENICH & Co., INC., New York, N. Y.
Filed October 23, 1937. Serial No. 398,841. PUBLISHED MARCH 22, 1938. Class 6.

357,719. FOOT PREPARATION INCLUDING ANTISEPTIC, TREATMENT FOR ATHLETE'S FOOT, SORE, TIRED, AND ACHING FEET. JAMES L. SMITH, doing business as The J. D. Compound Co., Lake Forest, Ill.
Filed October 23, 1937. Serial No. 398,860. PUBLISHED MARCH 15, 1938. Class 6.

357,720. MATTRESSES, COTS, CHAIR-BEDS, DAY-BEDS, BED SPRINGS, BOX-SPRINGS, AND PILLOWS. SACHS QUALITY FURNITURE, INC., New York, N. Y.
Filed October 27, 1937. Serial No. 399,013. PUBLISHED APRIL 5, 1938. Class 32.

357,721. EYE LOTION. UNITED DRUG COMPANY, Boston, Mass.
Filed October 27, 1937. Serial No. 399,019. PUBLISHED MARCH 29, 1938. Class 6.

357,722. SEAT CUSHIONS. MILLER REESE HUTCHISON, doing business as V-Seat Company, New York, N. Y.
Filed October 29, 1937. Serial No. 399,092. PUBLISHED APRIL 5, 1938. Class 32.

357,723. WATER SOFTENER IN POWDER AND TABLET FORM, AND BATH SALTS. THE PHOSPHATE MINING COMPANY, New York, N. Y.
Filed November 9, 1937. Serial No. 399,515. PUBLISHED MARCH 1, 1938. Class 6.

357,724. PERFUME. ROSS DAWN, Del Rio, Tex.
Filed November 11, 1937. Serial No. 399,604. PUBLISHED MARCH 22, 1938. Class 6.

357,725. GIRLS', LADIES', AND MISSES' DRESSES. GEORGE HESS CO. INC., New York, N. Y.
Filed November 11, 1937. Serial No. 399,621. PUBLISHED APRIL 5, 1938. Class 39.

357,726. NERVINE. SLOAN ALLEN, doing business as Lifts Laboratories, Omaha, Nebr.
Filed November 12, 1937. Serial No. 399,641. PUBLISHED MARCH 22, 1938. Class 6.

357,727. ELECTRICALLY OPERATED VACUUM CLEANERS, FOOD MIXERS, FANS, ROASTERS, TOASTERS, HAND IRONS, WAFFLE IRONS, RANGES, RADIOS, LAMPS, LIGHTING FIXTURES, FOOD GRINDERS, MOTORS, EGG COOKERS, AND INCANDESCENT LAMPS. NATIONAL CO-OPERATIVES, INC., Indianapolis, Ind.
Filed November 12, 1937. Serial No. 399,670. PUBLISHED MARCH 29, 1938. Class 21.

357,728. DIABETIC MEDICINE. WALTON W. ARMSTRONG, doing business as Casode Remedy Company, Akron, Ohio.
Filed November 13, 1937. Serial No. 399,697. PUBLISHED MARCH 22, 1938. Class 6.

357,729. GERMICIDE COMPRISED OF A LIQUID CHEMICAL CHLORINE COMPOSITION. CASCADE SPRAYER CO., INC., Seattle, Wash.
Filed November 17, 1937. Serial No. 399,824. PUBLISHED MARCH 29, 1938. Class 6.

357,730. SANDWICH SPREAD COMPOSED OF SALAD OIL, SMITHFIELD VIRGINIA HAM, AND PICKLES. SWIFT AND COMPANY, Chicago, Ill.
Filed November 17, 1937. Serial No. 399,862. PUBLISHED APRIL 5, 1938. Class 46.

357,731. PERMANENT WAVING PADS. WILLIAM A. GILBERT, Milwaukee, Wis.
Filed November 19, 1937. Serial No. 399,928. PUBLISHED APRIL 5, 1938. Class 44.

357,732. MEDICINAL PREPARATION CONTAINING COLLOIDAL SULPHUR IN SUSPENSION FOR USE AS A LOTION, OINTMENT, OR CREAM IN THE TREATMENT OF CERTAIN SKIN CONDITIONS IN WHICH THE USE OF SULPHUR IS INDICATED, SUCH AS ACNE AND SEBORRHEA, OR FOR USE BY INJECTION, OR FOR USE ORALLY IN THE TREATMENT OF SULPHUR DEFICIENCY CONDITIONS SUCH AS ARTHRITIS. THE CROOKES LABORATORIES, INCORPORATED, New York, N. Y.
Filed November 22, 1937. Serial No. 399,995. PUBLISHED MARCH 22, 1938. Class 6.

357,733. MEDICAL AND COSMETIC PRODUCTS FOR DRESSING HAIR AND TREATING HAIR, FOR PROMOTING THE GROWTH OF HAIR, AND FOR THE TREATMENT OF DISEASES OF HAIR, SCALP, AND SKIN. NAAMLOOZE VENNOOTSCHAP DROGERIJEN MAATSCHAPPIJ, Rotterdam, Netherlands.
Filed November 22, 1937. Serial No. 400,020. PUBLISHED MARCH 22, 1938. Class 6.

357,734. CURING SOLUTIONS FOR MEATS AND KINDRED MEAT PRODUCTS, AND CURING POWDERS FOR MEATS AND KINDRED MEAT PRODUCTS. CU-RITE PRODUCTS CO., Philadelphia, Pa.
Filed November 24, 1937. Serial No. 400,087. PUBLISHED MARCH 29, 1938. Class 6.

357,735. FLY SPRAY. NATIONAL CO-OPERATIVES, INC., Indianapolis, Ind.
Filed November 24, 1937. Serial No. 400,118. PUBLISHED FEBRUARY 8, 1938. Class 6.

357,736. LIQUID WAX NAIL PRESERVER. E. M. STOLAROFF, Los Angeles, Calif.
Filed November 24, 1937. Serial No. 400,134. PUBLISHED MARCH 22, 1938. Class 6.

357,737. COMPOUND INCORPORATING MOLASSES CARRYING VITAMINS FOR USE AS AN ANIMAL FOOD AND AS A SUPPLEMENT IN ANIMAL FOOD MIXTURES. VITAMOL, INC., New York, N. Y.
Filed November 24, 1937. Serial No. 400,143. PUBLISHED APRIL 5, 1938. Class 46.

357,738. BREAD AND CAKE. POLISH MASTER BAKERS ASSOCIATION, INC., Brooklyn, N. Y.
Filed November 24, 1937. Serial No. 400,181. PUBLISHED APRIL 5, 1938. Class 46.

357,739. MEN'S, WOMEN'S, AND CHILDREN'S SHOES, MADE OF LEATHER, KID, FABRIC, AND KINDRED MATERIALS. CURTIS-STEPHENS-EMBRY CO., Reading, Pa.
Filed November 29, 1937. Serial No. 400,225. PUBLISHED MARCH 15, 1938. Class 39.

357,740. COMPOUND USED IN THE FINISHING OF TEXTILE FABRICS AND ALSO FOR USE AS A TYPE OF FINISH FOR TEXTILE FABRICS, AND FOR THE PROCESSING OF FABRICS BEFORE FINISHING. JACOB BENDIX, New York, N. Y.
Filed December 3, 1937. Serial No. 400,403. PUBLISHED MARCH 22, 1938. Class 6.

357,741. NECKWEAR—NAMELY, MEN'S AND BOYS' NECKTIES, CRAVATS, AND MUFFLERS. FRANK & MEYER NECKWEAR COMPANY, St. Louis, Mo.
Filed December 3, 1937. Serial No. 400,409. PUBLISHED MARCH 15, 1938. Class 39.

357,742. MUFFLERS. PARAMOUNT CRAVAT CO. INC., New York, N. Y.
Filed December 3, 1937. Serial No. 400,434. PUBLISHED APRIL 5, 1938. Class 39.

357,743. SOILS COMPOUNDED OF HUMUS, PEAT, AND LOAM. JOHN THOMPSON LOVETT, Jr., doing business as Economy Nursery Company, Little Silver, N. J.
Filed December 6, 1937. Serial No. 400,513. PUBLISHED APRIL 5, 1938. Class 1.

357,744. COSMETICS—NAMELY, PERFUMES, POWDERS, CREAMS, LOTIONS, ROUGES, POMADES, LIPSTICKS, AND BRILLIANTINE. NYAL COMPANY, Detroit, Mich.
Filed December 6, 1937. Serial No. 400,534. PUBLISHED MARCH 22, 1938. Class 6.

357,745. SANITARY LINERS FOR DIAPERS. A. P. W. PAPER COMPANY, INC., Albany, N. Y.
Filed December 7, 1937. Serial No. 400,545. PUBLISHED APRIL 5, 1938. Class 44.

357,746. PHARMACEUTICAL PREPARATION DESIGNED TO RELIEVE COUGHS AND THROAT IRRITATIONS RESULTING FROM COLDS. K. G. REMEDIES, INC., Brooklyn, N. Y.
Filed December 7, 1937. Serial No. 400,555. PUBLISHED MARCH 22, 1938. Class 6.

357,747. CARD GAME. F. J. FELTHAM, doing business as Major General Company, Scranton, Pa.
Filed December 9, 1937. Serial No. 400,638. PUBLISHED APRIL 5, 1938. Class 22.

357,748. BAGS, MERCHANDISE ENVELOPES, AND MERCHANDISE WRAPPERS OF "CELLOPHANE" OR SIMILAR TRANSPARENT SHEETING FOR FLOWERS OR SIMILAR PERISHABLE GOODS. THE DOBECKMUN COMPANY, Cleveland, Ohio.
Filed December 10, 1937. Serial No. 400,685. PUBLISHED APRIL 5, 1938. Class 2.

357,749. ALKALIZER-ANTACID PREPARATION FOR RELIEF IN STOMACH ULCERS, HEARTBURN, GAS DISTRESS, SOUR STOMACH, AND AILMENTS RESULTING FROM CALCIUM DEFICIENCY. HARRY G. HEATON, doing business as Ulcitone Laboratories, Eaton Rapids, Mich.
Filed December 10, 1937. Serial No. 400,693. PUBLISHED MARCH 22, 1938. Class 6.

357,750. WOOD CASED LEAD PENCILS. EAGLE PENCIL COMPANY, New York, N. Y.
Filed December 11, 1937. Serial No. 400,724. PUBLISHED APRIL 5, 1938. Class 37.

357,751. LIQUID PREPARATION USED FOR THE TREATMENT OF GROUND ITCH, ATHLETE'S FOOT, RINGWORM, AND LIKE ITCHING SKIN TROUBLES, GENERAL TONICS—NAMELY, LAXATIVE, HERB, AND ALTERATIVE, AND A PREPARATION FOR KILLING ROACHES. J. B. KNIGHT, Sr., doing business as Dixie Specialty Company, Tampa, Fla.
Filed December 10, 1937. Serial No. 400,742. PUBLISHED MARCH 22, 1938. Class 6.

357,752. HAIR CURLER PADS FOR USE IN CONNECTION WITH NONELECTRICAL CURLERS. EDWIN F. BECK, doing business as Hollywood Kum-fee Curler Pad Co., Los Angeles, Calif.
Filed December 13, 1937. Serial No. 400,750. PUBLISHED APRIL 5, 1938. Class 40.

357,753. CANDY. SCHUTTER CANDY COMPANY, Chicago, Ill.
Filed December 13, 1937. Serial No. 400,796. PUBLISHED FEBRUARY 15, 1938. Class 46.

357,754. MEDICATED SALVE FOR USE IN THE TREATMENT OF COLDS, COUGHS, AND SORE THROAT DUE TO COLDS, HEAD COLDS, CHEST COLDS, CONGESTION AND HOARSENESS DUE TO COLDS. RICHARD SMILS, doing business as Smiles Products Co., Chicago, Ill.
Filed December 13, 1937. Serial No. 400,798. PUBLISHED MARCH 22, 1938. Class 6.

357,755. CANNED GRAPEFRUIT, CANNED GRAPEFRUIT JUICES FOR FOOD PURPOSES. FLORIDA CITRUS CANNERS COOPERATIVE, Lake Wales, Fla.
Filed December 14, 1937. Serial No. 400,834. PUBLISHED FEBRUARY 22, 1938. Class 46.

357,756. PORTLAND CEMENT. MEDUSA PORTLAND CEMENT COMPANY, Cleveland, Ohio.
Filed December 14, 1937. Serial No. 400,848. PUBLISHED FEBRUARY 15, 1938. Class 12.

357,757. CHILDREN'S DRESSES. JACK TOBIN, Philadelphia, Pa.
Filed December 14, 1937. Serial No. 400,857. PUBLISHED MARCH 1, 1938. Class 39.

357,758. FRESH CITRUS FRUITS. MIDWAY CORPORATION, Sarasota, Fla.
Filed December 17, 1937. Serial No. 400,985. PUBLISHED APRIL 5, 1938. Class 46.

357,759. ELASTIC THREADS AND ELASTIC YARNS. RUTH STEIGMAN, doing business as Duralatex Company, New York, N. Y.
Filed December 17, 1937. Serial No. 401,003. PUBLISHED APRIL 5, 1938. Class 43.

357,760. ELASTIC THREADS. RUTH STEIGMAN, doing business as Superlatex Company, New York, N. Y.
Filed December 17, 1937. Serial No. 401,005. PUBLISHED APRIL 5, 1938. Class 43.

357,761. MINERAL WATER AND NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. JAN ANTONIO WILLIAMS, Saugerties, N. Y.
Filed December 18, 1937. Serial No. 401,038. PUBLISHED FEBRUARY 22, 1938. Class 45.

357,762. ORGANDY PIECE GOODS. MAX FISHER, New York, N. Y.
Filed December 21, 1937. Serial No. 401,105. PUBLISHED APRIL 5, 1938. Class 42.

357,763. CUTTING OIL. THE TEXAS COMPANY, New York, N. Y.
Filed December 21, 1937. Serial No. 401,121. PUBLISHED MARCH 8, 1938. Class 15.

357,764. HEATING APPARATUS—NAMELY, STOVES FOR COOKING AND STOVES FOR HEATING WATER, USING SOLID FUEL, AND PARTS THEREOF. AGA STOVE COMPANY, Elizabeth, N. J.
Filed December 22, 1937. Serial No. 401,127. PUBLISHED APRIL 5, 1938. Class 34.

357,765. CHEMICAL COMPOUNDS FOR FUSED SALT BATHS USED IN HEAT-TREATING. CHAPMAN VALVE MANUFACTURING COMPANY, Indian Orchard, Mass.
Filed December 28, 1937. Serial No. 401,294. PUBLISHED MARCH 22, 1938. Class 6.

357,766. PERFUME AND EAU DE COLOGNE. CHARLES OF THE RITZ, INC., New York, N. Y.
Filed December 28, 1937. Serial No. 401,295. PUBLISHED FEBRUARY 22, 1938. Class 6.



357,767. HANDLE STICKS FOR CONFECTIONERY PRODUCTS. JOE LOWE CORPORATION, New York, N. Y.
Filed December 28, 1937. Serial No. 401,309. PUBLISHED MARCH 1, 1938. Class 13.

357,768. COSMETICS—NAMELY, PERFUMES, EXTRACT OF PERFUMES, TOILET WATER, FACE POWDER, SACHET, LIPSTICK, COMPACTS OF ROUGE, POWDER, AND LIPSTICK, FACE CREAM, AND CLEANSING CREAM. PARFUMS CHARBERT, INC., New York, N. Y.
Filed December 28, 1937. Serial No. 401,314. PUBLISHED FEBRUARY 22, 1938. Class 6.

357,769. PERIODICAL. PICPIX, INC., New York, N. Y.
Filed December 28, 1937. Serial No. 401,317. PUBLISHED APRIL 5, 1938. Class 38.

357,770. WOMEN'S SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS OF THE SAME. SHU-STILES, INCORPORATED, St. Louis, Mo.
Filed December 29, 1937. Serial No. 401,355. PUBLISHED APRIL 5, 1938. Class 39.

357,771. WOMEN'S SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS OF THE SAME. SHU-STILES, INCORPORATED, St. Louis, Mo.
Filed December 29, 1937. Serial No. 401,356. PUBLISHED APRIL 5, 1938. Class 39.

357,772. FLY SCREENS. THE CINCINNATI FLY SCREEN CO., Cincinnati, Ohio.
Filed December 30, 1937. Serial No. 401,371. PUBLISHED MARCH 29, 1938. Class 12.

357,773. RAIN CAPES, COATS, SUITS, HATS, AND CAPS FOR MEN, WOMEN, AND CHILDREN, HOUSEHOLD APRONS, BABY PANTS, DRESSES, GLOVES, BOOTS, AND SHOES MADE OF SYNTHETIC RUBBER-LIKE MATERIAL. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed December 30, 1937. Serial No. 401,383. PUBLISHED APRIL 5, 1938. Class 39.

357,774. CANDLES. EMPIRE CANDLE WORKS, INC., Brooklyn, N. Y.
Filed December 31, 1937. Serial No. 401,431. PUBLISHED MARCH 15, 1938. Class 15.

357,775. ELECTRICALLY OPERATED INTER-COMMUNICATING SYSTEMS, SOUND AMPLIFYING AND TRANSMITTING SYSTEMS, VOCAL ANNUNCIATOR COMBINED WITH AMPLIFIERS, AND INTER-COMMUNICATING CIRCUITS AND LOUD SPEAKERS IN THE NATURE OF AND FOR USE WITH TELEPHONES. SUPERIOR FUNERAL SUPPLY CORP., Cleveland, Ohio.
Filed December 31, 1937. Serial No. 401,456. PUBLISHED APRIL 5, 1938. Class 21.

357,776. PUMPS. AMERICAN BITUMULS COMPANY, Wilmington, Del., and San Francisco, Calif.
Filed January 3, 1938. Serial No. 401,464. PUBLISHED APRIL 5, 1938. Class 23.

357,777. TOILET PREPARATIONS—NAMELY, BATH SALTS. FRANCES DENNEY, Philadelphia, Pa.
Filed January 3, 1938. Serial No. 401,472. PUBLISHED MARCH 29, 1938. Class 6.

357,778. FRUIT JUICE CONCENTRATES (SYNTHETIC) FOR FOOD PURPOSES. MISSION DRY CORPORATION, Los Angeles, Calif.
Filed January 3, 1938. Serial No. 401,496. PUBLISHED APRIL 5, 1938. Class 46.

357,779. EMBALMING PREPARATIONS INCLUDING CAVITY FLUID AND ARTERIAL FLUID. MONTGOMERY CHEMICAL COMPANY, Los Angeles, Calif.
Filed January 3, 1938. Serial No. 401,498. PUBLISHED MARCH 29, 1938. Class 6.

357,780. LIQUID SHAMPOO. ANDREW J. WEBER, Milwaukee, Wis.
Filed January 3, 1938. Serial No. 401,513. PUBLISHED MARCH 22, 1938. Class 6.

357,781. REFRIGERATOR DEODORANT. DARCO CORPORATION, Wilmington, Del.
Filed January 4, 1938. Serial No. 401,523. PUBLISHED MARCH 29, 1938. Class 6.

357,782. CONDITIONING CAPSULES FOR DOGS. ZENITH PRODUCTS COMPANY, Wellsville, Ohio.
Filed January 4, 1938. Serial No. 401,539. PUBLISHED FEBRUARY 15, 1938. Class 6.

357,783. ROOFING AND SHINGLES AND SIDING OF FELT BASE SATURATED WITH A BITUMINOUS SATURANT AND USED AS CONSTRUCTION MATERIAL. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y.
Filed January 5, 1938. Serial No. 401,554. PUBLISHED MARCH 29, 1938. Class 12.

357,784. SURGICAL NEEDLES. THE ENGLISH NEEDLE & FISHING TACKLE COMPANY LIMITED, Studley, England.
Filed January 5, 1938. Serial No. 401,561. PUBLISHED APRIL 5, 1938. Class 44.

357,785. TAR REMOVER, HYDRAULIC BRAKE FLUID, SHOCK ABSORBER FLUID, RADIATOR CLEANER, RADIATOR SOLDER IN LIQUID FORM, RADIATOR STOP LEAK IN BOTH LIQUID AND POWDER FORM, AND CIGAR LIGHTER FUEL. THE B. F. GOODRICH COMPANY, Akron, Ohio, and New York, N. Y.
Filed January 5, 1938. Serial No. 401,568. PUBLISHED MARCH 22, 1938. Class 6.

357,786. AUTOMOBILE GREASES AND OILS INCLUDING CUP GREASE, HIGH PRESSURE GREASE, STEERING GEAR GREASE, UNIVERSAL JOINT GREASE, WHEEL BEARING GREASE, COLLOIDAL GRAPHITE LUBRICANT, AND MOTOR OIL. THE B. F. GOODRICH COMPANY, Akron, Ohio, and New York, N. Y.
Filed January 5, 1938. Serial No. 401,569. PUBLISHED MARCH 29, 1938. Class 15.

357,787. IODINE-ADDING SUPPLEMENT FOR ANIMAL FEEDS. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed January 5, 1938. Serial No. 401,578. PUBLISHED MARCH 29, 1938. Class 6.

357,788. MIXTURE WHICH IS APPLIED TO GRASS FOR THE TREATMENT OF BROWN PATCH. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed January 5, 1938. Serial No. 401,579. PUBLISHED MARCH 29, 1938. Class 6.

357,789. HYDROGEN PEROXIDE. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed January 5, 1938. Serial No. 401,581. PUBLISHED MARCH 29, 1938. Class 6.

357,790. ACETIC ANHYDRIDE, ACETONE, ACID ACETIC, ACID ACETIC GLACIAL, ACID ARSENIC, ACID BENZOIC, ACID BORIC, ETC. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed January 5, 1938. Serial No. 401,582. PUBLISHED MARCH 29, 1938. Class 6.

357,791. CANNED PEAS. SAN JUAN ISLANDS CANNERY, Friday Harbor, Wash.
Filed January 5, 1938. Serial No. 401,587. PUBLISHED MARCH 22, 1938. Class 46.

357,792. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. HAMMER FOOD PRODUCTS CORPORATION, doing business as Hammer Beverages, Brooklyn, N. Y.
Filed January 6, 1938. Serial No. 401,608. PUBLISHED FEBRUARY 22, 1938. Class 45.

357,793. CANNED FRUITS. FEDERATED FOODS, INC., Wilmington, Del., and San Francisco, Calif.
Filed January 7, 1938. Serial No. 401,663. PUBLISHED APRIL 5, 1938. Class 46.

357,794. FILLER FOR SEAMS AND JOINTS IN ROADWAYS. THE BARRETT COMPANY, New York, N. Y.
Filed January 8, 1938. Serial No. 401,687. PUBLISHED MARCH 29, 1938. Class 12.



357,795. LAWN MOWERS AND PARTS THEREOF. PENNSYLVANIA LAWN MOWER WORKS, Primos, Pa.

357,811. LIQUID PREPARATION FOR THE TREATMENT OF COLDS, FEVER, AND CHILLS. BERT



357,825. TABLET FOR THE RELIEF OF COLDS,

357,841. LAUNDRY STARCHES. PRESQUE ISLE

357,795. LAWN MOWERS AND PARTS THEREOF. PENNSYLVANIA LAWN MOWER WORKS, Primos, Pa.
Filed January 10, 1938. Serial No. 401,714. PUBLISHED APRIL 5, 1938. Class 23.

357,796. MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, COATS, VESTS, TROUSERS, TOPCOATS, AND OVERCOATS. KNICKERBOCKER CLOTHING CO., St. Louis, Mo.
Filed January 12, 1938. Serial No. 401,819. PUBLISHED APRIL 5, 1938. Class 39.

357,797. SELENIUM DIETHYL-DITHIOCARBAMATE USED AS AN ACCELERATOR AND VULCANIZING AGENT IN THE MANUFACTURE OF RUBBER PRODUCTS. R. T. VANDERBILT COMPANY, INC., New York, N. Y.
Filed January 12, 1938. Serial No. 401,840. PUBLISHED MARCH 29, 1938. Class 6.

357,798. BITUMINOUS ROAD-SURFACING MATERIALS. BITU-ROCK CORPORATION, Merchantville, N. J., and Philadelphia, Pa.
Filed January 14, 1938. Serial No. 401,884. PUBLISHED APRIL 5, 1938. Class 12.

357,799. NAILS IN KEGS. CONTINENTAL STEEL CORPORATION, Kokomo and Indianapolis, Ind., and Canton, Ohio.
Filed January 15, 1938. Serial No. 401,923. PUBLISHED APRIL 5, 1938. Class 13.

357,800. WINES. JUSTERINI & BROOKS LIMITED, doing business as Justerini & Brooks, London, England.
Filed January 17, 1938. Serial No. 402,007. PUBLISHED APRIL 5, 1938. Class 47.

357,801. CIGARS. PETRI CIGAR CO., San Francisco, Calif.
Filed January 17, 1938. Serial No. 402,019. PUBLISHED APRIL 5, 1938. Class 17.

357,802. SHORT DISTANCE TELEPHONE SYSTEM FOR INTER-OFFICE USE. JOSEPH M. RESNIKOFF, doing business as Parlegraph Co., New York, N. Y.
Filed January 17, 1938. Serial No. 402,022. PUBLISHED APRIL 5, 1938. Class 21.

357,803. GLASS FOR GLAZING WINDOWS, DOORS, PARTITIONS, AND THE LIKE. BLUE RIDGE GLASS CORPORATION, Kingsport, Tenn.
Filed January 18, 1938. Serial No. 402,055. PUBLISHED APRIL 5, 1938. Class 33.

357,804. GLASS FOR GLAZING WINDOWS, DOORS, PARTITIONS, AND THE LIKE. BLUE RIDGE GLASS CORPORATION, Kingsport, Tenn.
Filed January 18, 1938. Serial No. 402,056. PUBLISHED APRIL 5, 1938. Class 33.

357,805. FLOUR, PARTICULARLY WHEAT FLOUR. GENERAL MILLS, INC., Minneapolis, Minn.
Filed January 19, 1938. Serial No. 402,090. PUBLISHED APRIL 5, 1938. Class 46.

357,806. BUTTER, CHEESE, AND EGGS. THE BORDEN COMPANY, New York, N. Y.
Filed January 20, 1938. Serial No. 402,113. PUBLISHED APRIL 5, 1938. Class 46.

357,807. ELECTRIC FANS. DIEHL MANUFACTURING COMPANY, Elisabeth, N. J.
Filed January 20, 1938. Serial No. 402,117. PUBLISHED APRIL 5, 1938. Class 21.

357,808. THERAPEUTIC AGENT FOR TREATING PSORIASIS. FRED E. THIELEMAN, Dearborn, Mich.
Filed January 20, 1938. Serial No. 402,147. PUBLISHED MARCH 22, 1938. Class 6.

357,809. WHISKEY, DRY GIN, FRUIT GINS, AND LIQUEURS. CLYDE COLLINS LIQUORS, INC., West Memphis, Ark.
Filed January 21, 1938. Serial No. 402,178. PUBLISHED MARCH 1, 1938. Class 49.

357,810. MEDICATORS. HOSPITAL SPECIALTY COMPANY, Whitewater, Wis.
Filed January 21, 1938. Serial No. 402,185. PUBLISHED APRIL 5, 1938. Class 44.

357,811. LIQUID PREPARATION FOR THE TREATMENT OF COLDS, FEVER, AND CHILLS. BERT MENACHOF, doing business as Natural Laboratories, Cincinnati, Ohio.
Filed January 21, 1938. Serial No. 402,194. PUBLISHED MARCH 29, 1938. Class 6.

357,812. CHEMICAL SUBSTANCE USED IN FINISHING YARNS AND FABRICS OF EVERY KIND AND DESCRIPTION. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J.
Filed January 21, 1938. Serial No. 402,199. PUBLISHED MARCH 22, 1938. Class 6.

357,813. LUBRICATING OILS AND GREASES. INDUSTRIAL OIL CORPORATION, Warren, Pa.
Filed January 22, 1938. Serial No. 402,222. PUBLISHED MARCH 29, 1938. Class 15.

357,814. CORDUROY FABRICS IN THE PIECE MADE OF COTTON. CROMPTON COMPANY, West Warwick, R. I.
Filed January 24, 1938. Serial No. 402,251. PUBLISHED APRIL 5, 1938. Class 42.

357,815. MECHANICAL TREATMENT TABLE, MORE SPECIFICALLY DESCRIBED AS AN UPHOLSTERED TABLE WITH AN OPENING OR SLOT NEAR THE HEAD OVER WHICH A PATIENT LIES ON HIS BACK, ETC. OLLIE NORTON DONNAHOE, doing business as The Spinalator Company, Asheville, N. C.
Filed January 24, 1938. Serial No. 402,252. PUBLISHED APRIL 5, 1938. Class 44.

357,816. WOMEN'S AND MISSES' AND CHILDREN'S SKIRTS. CORRECT GARMENT CO., INC., New York, N. Y.
Filed January 25, 1938. Serial No. 402,291. PUBLISHED APRIL 5, 1938. Class 39.

357,817. CANDY. THE CURTISS CANDY COMPANY, Chicago, Ill.
Filed January 26, 1938. Serial No. 402,331. PUBLISHED MARCH 29, 1938. Class 46.

357,818. BREAD SLICING MACHINES. JOHN HANSEN, Davenport, Iowa.
Filed January 26, 1938. Serial No. 402,334. PUBLISHED APRIL 5, 1938. Class 23.

357,819. FRATERNITY BADGES, LAPEL BUTTONS; SCARF, LAPEL, AND BREAST PINS, CUFF LINKS, TIE CLASPS, CHARMS, FINGER RINGS, BELT BUCKLES, AND ORNAMENTAL SHIELDS, ALL MADE OF PRECIOUS METAL. KAPPA KAPPA KAPPA, INC., Frankfort, Ind.
Filed January 26, 1938. Serial No. 402,337. PUBLISHED APRIL 5, 1938. Class 28.

357,820. PERFUMES AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed January 26, 1938. Serial No. 402,339. PUBLISHED MARCH 29, 1938. Class 6.

357,821. FLOOR COVERING OR INSULATING MATERIAL MADE OF CORK AND PAPER. STANDARD INSULATION COMPANY, East Rutherford, N. J.
Filed January 26, 1938. Serial No. 402,347. PUBLISHED MARCH 29, 1938. Class 12.

357,822. ACTIVATED ANIMAL PRO-VITAMIN D. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed January 27, 1938. Serial No. 402,365. PUBLISHED MARCH 29, 1938. Class 6.

357,823. PREPARATION FOR THE RELIEF OF PAIN IN ARTHRITIS, NEURITIS, NEURALGIA, MYALGIA, AND SIMILAR CONDITIONS. LA POINTE LYONS LYNN, INC., Lynn, Mass.
Filed January 27, 1938. Serial No. 402,378. PUBLISHED MARCH 29, 1938. Class 6.

357,824. COMMERCIAL CALCIUM CARBONATE. BUCK & STODDARD, INC., Los Angeles, Calif.
Filed January 28, 1938. Serial No. 402,412. PUBLISHED MARCH 29, 1938. Class 6.

357,825. TABLET FOR THE RELIEF OF COLDS, GRIPPE, HEADACHES, AND NEURALGIA. SANTIAGO DEVELOPMENT CORPORATION, New York, N. Y.
Filed January 28, 1938. Serial No. 402,445. PUBLISHED MARCH 29, 1938. Class 6.

357,826. MALT CHOCOLATE MIXTURE IN POWDER FORM. SANTIAGO DEVELOPMENT CORPORATION, New York, N. Y.
Filed January 28, 1938. Serial No. 402,446. PUBLISHED APRIL 5, 1938. Class 46.

357,827. WEIGHING SCALES. JOSEPH B. SOWA, doing business as Superior Scale Co., Delavan, Ill.
Filed January 28, 1938. Serial No. 402,449. PUBLISHED APRIL 5, 1938. Class 26.

357,828. STYLII. A. B. DICK COMPANY, Chicago, Ill.
Filed January 29, 1938. Serial No. 402,469. PUBLISHED APRIL 15, 1938. Class 37.

357,829. PETROLEUM FUEL OILS. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed January 29, 1938. Serial No. 402,489. PUBLISHED APRIL 5, 1938. Class 15.

357,830. DRESS, NEGLIGEE, AND WORK SHIRTS FOR MEN, PAJAMAS, AND POLO SHIRTS FOR MEN AND WOMEN. BROOM AND NEWMAN, New York, N. Y.
Filed January 31, 1938. Serial No. 402,508. PUBLISHED APRIL 5, 1938. Class 39.

357,831. TAMPONS. WOODLAND H. GILBERT, doing business as Zephyr Laboratories, St. Paul, Minn.
Filed January 31, 1938. Serial No. 402,518. PUBLISHED APRIL 5, 1938. Class 44.

357,832. NEWSPAPER PUBLISHED FROM TIME TO TIME. THE STATE JOURNAL COMPANY, INC., Frankfort, Ky.
Filed January 31, 1938. Serial No. 402,542. PUBLISHED APRIL 5, 1938. Class 38.

357,833. HAND-OPERATED OILERS, OIL GUNS, GREASE GUNS, AND TIRE PUMPS. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn.
Filed February 1, 1938. Serial No. 402,554. PUBLISHED APRIL 5, 1938. Class 23.

357,834. DRESSES FOR WOMEN, MISSES, AND CHILDREN. GLORIOUS SPORTSWEAR CORP., New York, N. Y.
Filed February 1, 1938. Serial No. 402,563. PUBLISHED APRIL 5, 1938. Class 39.

357,835. HOSIERY. A. C. SIDLEY & Co., Minneapolis, Minn.
Filed February 2, 1938. Serial No. 402,606. PUBLISHED APRIL 5, 1938. Class 39.

357,836. FLOUR, PARTICULARLY WHEAT FLOUR. GENERAL MILLS, INC., Minneapolis, Minn.
Filed February 3, 1938. Serial No. 402,628. PUBLISHED APRIL 5, 1938. Class 46.

357,837. DENTIFRICE. GEORGE KOHLBERG, Jr., doing business as Drummer Boy Dental Products Co., St. Louis, Mo.
Filed February 3, 1938. Serial No. 402,638. PUBLISHED MARCH 29, 1938. Class 6.

357,838. GLOVES MADE OF TEXTILE FABRICS. QUEEN CITY TEXTILE CORPORATION, Allentown, Pa.
Filed February 3, 1938. Serial No. 402,650. PUBLISHED APRIL 5, 1938. Class 39.

357,839. CARD GAME PRACTICE AND EDUCATIONAL APPARATUS, ESPECIALLY ADAPTED FOR USE BY A SINGLE PERSON FOR THE PURPOSE OF TEACHING HIMSELF, AND PRACTISING, THE GAME OF BRIDGE. SOLO-BRIDGE COMPANY, Chicago, Ill.
Filed February 3, 1938. Serial No. 402,655. PUBLISHED APRIL 5, 1938. Class 22.

357,840. ADVERTISING MATERIAL SOLD TO THE TRADE AS SUCH. WINFIELD E. CLINE, doing business as Cline Advertising Service, Boise, Idaho.
Filed February 4, 1938. Serial No. 402,679. PUBLISHED APRIL 5, 1938. Class 38.

357,841. LAUNDRY STARCHES. PRESQUE ISLE STARCH COMPANY, Presque Isle, Maine.
Filed February 4, 1938. Serial No. 402,697. PUBLISHED MARCH 29, 1938. Class 6.

357,842. VEHICLE BRAKES AND PARTS THEREOF. EMPIRE ELECTRIC BRAKE CORPORATION, Dover, Del.
Filed February 5, 1938. Serial No. 402,720. PUBLISHED APRIL 5, 1938. Class 19.

357,843. REFRIGERATING APPARATUS AND PARTS THEREFOR. LESTER U. LARKIN, INC., Baltimore, Md.
Filed February 5, 1938. Serial No. 402,727. PUBLISHED APRIL 5, 1938. Class 31.

357,844. EMPTY VANITY CASES, ROUGE BOXES, COMPACT BOXES, POWDER BOXES, AND COMPACTS FOR BOTH LOOSE AND CAKED POWDER, MADE IN WHOLE OR IN PART OF BASE METAL. LUCIEN LELONG, INC., Chicago, Ill.
Filed February 7, 1938. Serial No. 402,781. PUBLISHED APRIL 5, 1938. Class 2.

357,845. ALUMINUM COATED PAPER AND A GREASE AND MOISTURE RESISTANT HEAT INSULATING PAPER. HARTFORD CITY PAPER COMPANY, Hartford City, Ind.
Filed February 8, 1938. Serial No. 402,817. PUBLISHED APRIL 5, 1938. Class 37.

357,846. SANITARY NAPKINS. CURT G. JOA, INC., Sheboygan Falls, Wis.
Filed February 10, 1938. Serial No. 402,910. PUBLISHED APRIL 5, 1938. Class 44.

357,847. SLIPPERS OR SHOES MADE MAINLY OF LEATHER. RACINE SHOE MANUFACTURING COMPANY, Racine, Wis.
Filed February 10, 1938. Serial No. 402,918. PUBLISHED APRIL 5, 1938. Class 39.

357,848. PIECE GOODS OF COTTON, SILK, RAYON, AND MIXTURES THEREOF, CUT IN DRESS LENGTHS. KENYON SALES CORP., New York, N. Y.
Filed February 11, 1938. Serial No. 402,944. PUBLISHED APRIL 5, 1938. Class 42.

357,849. DRESS FORMS USED IN THE CONSTRUCTION OF LADIES' GARMENTS. SIEGEL-LITTLE, INC., New York, N. Y.
Filed February 11, 1938. Serial No. 402,956. PUBLISHED APRIL 5, 1938. Class 50.

357,850. GRANITE MONUMENTS AND MEMORIALS. ROCK OF AGES CORPORATION, Barre, Vt.
Filed February 12, 1938. Serial No. 402,987. PUBLISHED APRIL 5, 1938. Class 50.

357,851. PERFUMES. PARK & TILFORD, New York, N. Y.
Filed February 12, 1938. Serial No. 402,991. PUBLISHED MARCH 29, 1938. Class 6.

357,852. HAIR SPRINGS. ELGIN NATIONAL WATCH COMPANY, Elgin, Ill.
Filed February 14, 1938. Serial No. 403,004. PUBLISHED APRIL 5, 1938. Class 27.

357,853. SWIVELS, SAFETY SNAP SWIVELS, SAFETY SNAPS, CONNECTING LINKS, THREE-WAY SWIVELS, LOCKFAST SWIVELS, DOUBLE-BARREL SWIVELS, ETC. ART WIRE AND STAMPING COMPANY, Newark, N. J.
Filed February 15, 1938. Serial No. 403,030. PUBLISHED APRIL 5, 1938. Class 22.

357,854. KITES, GLIDERS, AND TOY AEROPLANES. THE HI-FLIER MANUFACTURING COMPANY, Decatur, Ill.
Filed February 15, 1938. Serial No. 403,043. PUBLISHED APRIL 5, 1938. Class 22.

357,855. CHECKERS. SAML. GABRIEL SONS & COMPANY, New York, N. Y.
Filed February 17, 1938. Serial No. 403,126. PUBLISHED APRIL 5, 1938. Class 22.



357,856. NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND ROOTBEER. TOM P. HARTNESS, doing business as Hartness Bottling Works, Spartanburg, S. C.
Filed February 17, 1938. Serial No. 403,128. PUBLISHED APRIL 5, 1938. Class 45.

357,860. BLADDERS FOR PLAYBALLS, BASKETBALLS, FOOTBALLS, AND THE LIKE. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass.
Filed February 24, 1938. Serial No. 403,362. PUBLISHED APRIL 5, 1938. Class 22.

357,861. GOLF CLUBS AND PARTS THEREOF. KEN-



357,871. (CLASS 39. CLOTHING.) MARVEL MAID GARMENT CO., Lima, Ohio. Filed Apr. 29, 1937. Serial No. 392,040.

SOFT-EEZ

357,875. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. C. CHRISTIANS CO., Johnson Creek, Wis. Filed July 16, 1937. Serial No. 395,283.

Christian's

357,856. NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND ROOTBEER. TOM P. HARTNESS, doing business as Hartness Bottling Works, Spartanburg, S. C.
Filed February 17, 1938. Serial No. 403,128. PUBLISHED APRIL 5, 1938. Class 45.

357,857. TABLE GAMES AND APPARATUS FOR PLAYING THE SAME. O. E. THOMPSON & SONS, Ypsilanti, Mich.
Filed February 21, 1938. Serial No. 403,287. PUBLISHED APRIL 5, 1938. Class 22.

357,858. CARD GAME. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed February 23, 1938. Serial No. 403,301. PUBLISHED APRIL 5, 1938. Class 22.

357,859. FOOTBALLS AND BASKETBALLS. THE MORTIMER NEWMAN COMPANY, New Haven, Conn.
Filed February 23, 1938. Serial No. 403,320. PUBLISHED APRIL 5, 1938. Class 22.

357,860. BLADDERS FOR PLAYBALLS, BASKETBALLS, FOOTBALLS, AND THE LIKE. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass.
Filed February 24, 1938. Serial No. 403,362. PUBLISHED APRIL 5, 1938. Class 22.

357,861. GOLF CLUBS AND PARTS THEREOF. KENNETH SMITH, Lenexa, Kans.
Filed February 28, 1938. Serial No. 403,525. PUBLISHED APRIL 5, 1938. Class 22.

357,862. VEHICLES SOMEWHAT SIMILAR TO SLEDS OR TOBOGGANS. HOPPES, BRO. & DARLINGTON, INCORPORATED, West Chester, Pa.
Filed March 2, 1938. Serial No. 403,590. PUBLISHED APRIL 5, 1938. Class 22.

357,863. FISHING REELS, HYLA F. MAYNES, North Tonawanda, N. Y., assignor to Spiral Wind Fish Reel Company, Inc., Buffalo, N. Y., a corporation of New York.
Filed June 25, 1936. Serial No. 380,219. PUBLISHED APRIL 12, 1938. Class 22.

## [ACT OF MARCH 19, 1920, SEC. 1 (b)]

## THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

357,864. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CHASE-SHAWMUT COMPANY, Newburyport, Mass. Filed Sept. 3, 1936. Serial No. 382,864.

**SHUR-LAG**

For Electric Fuses and Fusible Links Therefor.
Claims use since Nov. 15, 1935.

357,865. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Baltimore, Md., Akron and Cleveland, Ohio, Denver, Colo., Los Angeles, Calif., and St. Louis, Mo. Filed Mar. 9, 1937. Serial No. 389,838.

May'd Best

For Clothes Washing Machines and Ironing Tables.
Claims use since February, 1937.

357,866. (CLASS 39. CLOTHING.) SAMUEL FINK, Utica, N. Y. Filed Apr. 1, 1937. Serial No. 390,784.

DUNHILL sportswear

For Sporting Apparel for Men, Women, and Children—Namely, Knitted Sweaters, Jackets, Skirts, and Ski Suits.
Claims use since Dec. 3, 1936.

357,867. (CLASS 39. CLOTHING.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 14, 1937. Serial No 391,353.

**KEEPS·M·UP**

For Hosiery.
Claims use since Feb. 5, 1936.

357,868. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) MILVOY UNZEITIG, Cedar Rapids, Iowa. Filed Apr. 21, 1937. Serial No. 391,675.

Heat-All

For Oil Burners and Parts Thereof.
Claims use since Mar. 17, 1937.

357,869. (CLASS 39. CLOTHING.) JOANNE JR.-ZINN BROS. INC., New York, N. Y. Filed Apr. 23, 1937. Serial No. 391,786.

Joanne Todd

For Women's and Misses' Dresses, Coats, and Suits.
Claims use since Feb. 17, 1937.

357,870. (CLASS 39. CLOTHING.) ROSENBLATT AND KAHN, New York, N. Y. Filed Apr. 27, 1937. Serial No. 391,928.

A Bambury FASHION

For Children's Coats, Suits, Dresses, Pajamas, Playsuits.
Claims use since Apr. 2, 1937.



357,871. (CLASS 39. CLOTHING.) MARVEL MAID GARMENT CO., Lima, Ohio. Filed Apr. 29, 1937. Serial No. 392,040.

SOFT-EEZ

For Ladies' and Children's Pajamas, Nightgowns, Kimonos, and Underwear.
Claims use since Mar. 6, 1937.

357,872. (CLASS 39. CLOTHING.) GLOBE FUR & NOVELTY CO., Chicago, Ill. Filed May 10, 1937. Serial No. 392,528.

MANCHURIAN SEAL DYED CONEY

For Dyed Coney Fur Coats and Fur Garments—Namely, Jackets, Scarfs, and Neck-Pieces.
Claims use since Apr. 1, 1937.

357,873. (CLASS 39. CLOTHING.) O. C. THOGERSEN, doing business as Thogersen Hosiery Co., Chicago, Ill. Filed May 13, 1937. Serial No. 392,722.

THORO-TEST

For Hosiery for Men, Women, and Children, Women's Underwear and Dresses, Men's Underwear, Dress Shirts, and Neckties.
Claims use since Mar. 24, 1937.

357,874. (CLASS 32. FURNITURE AND UPHOLSTERY.) BELLA AND COMPANY, INC., New York, N. Y. Filed May 17, 1937. Serial No. 392,840.

**SETRITE**

For Inner Spring Core Construction for Living Room Furniture, Cushions Generally, Boat and Automobile Cushions.
Claims use since Jan. 2, 1937.

357,875. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. C. CHRISTIANS CO., Johnson Creek, Wis. Filed July 16, 1937. Serial No. 395,283.

Christians
★SPECIAL BRAND★

For Butter.
Claims use since May 10, 1937.

357,876. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH A. SOHM, doing business as Century Tea & Coffee Company, St. Louis, Mo. Filed July 19, 1937. Serial No. 395,434.

**PAK-O-TEA**

For Tea.
Claims use since May 1, 1937.

357,877. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILLIAM J. BEER COMPANY, INC., New York, N. Y. Filed Aug. 7, 1937. Serial No. 396,114.

**LETTNER**

For Metal Fittings for Skis, Metal Ski Edges, Ski Binders, Ski Binding Tighteners, Ski Sticks, and Parts Thereof.
Claims use since Apr. 5, 1937.

357,878. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOSEPH LIPIC, doing business as Jos. Lipic Pen Co., St. Louis, Mo. Filed Aug. 9, 1937. Serial No. 396,253.

**KEY SELECTORS**

For Pocket Keyholders Formed of Celluloid and Metal.
Claims use since Nov. 1, 1935.

357,879. (CLASS 39. CLOTHING.) PENDLETON WOOLEN MILLS, Portland, Oreg. Filed Aug. 13, 1937. Serial No. 396,369.

Woolinen

For Clothing of Wool and Linen—i. e., Outer Shirts and Outer Clothing for Men and Women—Namely, Knickers, Suits, Lounging Robes, and Blazers.
Claims use since Mar. 25, 1937.

357,880. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PENDLETON WOOLEN MILLS, Portland, Oreg. Filed Aug. 27, 1937. Serial No. 396,831.

Woolinen

For Woven and Knitted Piece Goods of Wool, Linen, Cotton, Silk, Rayon, and Combinations Thereof.
Claims use since Mar. 25, 1937.

357,881. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AIR COOLED MOTORS CORPORATION, Syracuse, N. Y. Filed Sept. 25, 1937. Serial No. 397,787.

Franklin

For Internal Combustion Engines and Parts Thereof.
Claims use since 1905.

357,882. (CLASS 39. CLOTHING.) ROBERT PRINGLE & SON (U. S. A.) LTD., New York, N. Y. Filed Oct. 2, 1937. Serial No. 398,059.

Pringle's of Hawick

For Knitted and Woven Sweaters and Scarves for Men, Women, and Children, Made of Shetland, Vienna, Cashmere, Cashmere and Wool, Angora and Alpaca, and Skirts for Women Made of Tweed; Men's Gold Stockings, and Women's Ankle Socks Made of Wool and Wool Mixtures, and Underwear for Men, Women, and Children Made of Wool, Silk, Silk and Wool, and Cotton.
Claims use since Apr. 30, 1937.

357,883. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KRAUS BROS. & CO., INC., New York, N. Y. Filed Feb. 16, 1938. Serial No. 403,087.

PENN-HILL

For Whiskies, Gins, and Alcoholic Cordials.
Claims use since October, 1917.

357,884. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FULLER PRODUCTS CO., Chicago, Ill. Filed Feb. 28, 1938. Serial No. 403,496.

FULLER'S QUALITY

For Spices and Compounds for Flavoring Foods.
Claims use since July 1, 1936.

357,885. (CLASS 39. CLOTHING.) ALEX CARAFIOL, INC., St. Louis, Mo. Filed Mar. 9, 1938. Serial No. 403,855.

Frances Dexter

For Women's and Misses' Dresses, Frocks, and Blouses.
Claims use since Feb. 15, 1937.

357,886. (CLASS 39. CLOTHING.) JOSEPH GUTTMAN & BROS., INC., New York, N. Y. Filed Mar. 31, 1938. Serial No. 404,710.

Cot-n-Crash

For Women's and Misses' Knitted Dresses, Skirts, Blouses, and Sweaters.
Claims use since Dec. 30, 1935.

357,887. (CLASS 7. CORDAGE.) AMERICAN CHAIN & CABLE COMPANY, INC., Bridgeport, Conn. Filed Apr. 9, 1938. Serial No. 405,048.

NONPARELL

For Wire Rope and Wire Strand.
Claims use since Mar. 5, 1937.

357,888. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) J. M. SAHLEIN, San Francisco, Calif. Filed Apr. 12, 1938. Serial No. 405,181.

GRANADA

For Mandolins, Guitars, Tenor Guitars, Ukulele Phonographs, Banjo Mandolins, Banjos, Accordions, Banjo Ukuleles, Tenor Ukuleles.
Claims use since Apr. 5, 1937.

357,889. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY T. SCHIFF, Chicago, Ill. Filed Apr. 19, 1938. Serial No. 405,463.

CLIPPERETTE

For Electric Dry Shavers.
Claims use since Jan. 7, 1934.

357,890. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOWARD E. JONES & COMPANY, Baltimore, Md. Filed Apr. 22, 1938. Serial No. 405,606.

ALL GREEN

MELTING SWEET

For Canned Peas.
Claims use since July, 1935.

# TRADE-MARK REGISTRATIONS RENEWED

121,363. OPHTHALMIC MOUNTINGS, PARTS, AND FIXTURES. Registered April 23, 1918. UHLEMANN OPTICAL CO. Renewed April 23, 1938, to Uhlemann Optical Co. of Illinois, Chicago, Ill., a corporation of Delaware, assignee.

121,467. TAPIOCA AND MAYONNAISE DRESSING. Registered April 30, 1918. McCORMICK & CO., INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed April 30, 1938.

121,587. A FINISH AND POLISH FOR FLOORS AND OTHER WOODWORK. Registered May 14, 1918. THE BUTCHER POLISH COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed May 14, 1938.

121,588. A FINISH AND POLISH FOR FLOORS AND OTHER WOODWORK. Registered May 14, 1918. THE BUTCHER POLISH COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed May 14, 1938.

121,589. A FINISH AND POLISH FOR FLOORS AND OTHER WOODWORK. Registered May 14, 1918. THE BUTCHER POLISH COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed May 14, 1938.

121,670. BRIGHT-FINISHED STEEL. Registered May 14, 1918. UNION DRAWN STEEL COMPANY, Beaver Falls, Pa. Renewed May 14, 1938, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey, assignee.

121,981. HACKSAWS, COPING-SAWS, BUTCHERS' SAWS, BAND-SAWS, AND JEWELERS' SAWS. Registered June 11, 1918. VICTOR SAW WORKS, Springfield, Mass. Renewed June 11, 1938, to Victor Saw Works, Inc., Middletown, N. Y., a corporation of New York, assignee.

122,211. LAMINATED WOOD. Registered July 9, 1918. HASKELITE MANUFACTURING CORPORATION, Grand Rapids, Mich. Renewed July 9, 1938, to Haskelite Manufacturing Corporation, Chicago, Ill., a corporation of New York.

122,287. A DETERGENT IN GRAIN FORM USED AS AN AID TO SOAP FOR WASHING PURPOSES. Registered July 16, 1918. SHIBLEY MFG. COMPANY. Renewed July 16, 1938, to Gem Products Sales Co., Camden, N. J., a corporation of New Jersey, assignee.

122,328. CRACKERS. Registered July 23, 1918. LOOSE-WILES BISCUIT COMPANY. Renewed July 23, 1938, to Loose-Wiles Biscuit Company, Kansas City, Mo., a corporation of New York, assignee.

122,336. PAPER-CLIPS. Registered July 23, 1918. OWL SUPPLY COMPANY, Boston, Mass. Renewed July 23, 1938, to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut, successor.

122,536. WATCHES, WATCHCASES, AND WATCH-MOVEMENTS. Registered August 20, 1918. ADOLPHE SCHWOB, INC. Renewed August 20, 1938, to Louis A. Schwob, New York, N. Y., assignee by mesne assignments.

122,553. TOOTHPICKS. Registered August 20, 1918. WAUSAU MANUFACTURING CO., Wausau, Wis. Renewed August 20, 1938, to General Woodenware Corporation, New York, N. Y., and Wausau, Wis., a corporation of Delaware, successor.

122,782. ANTHRACENE-OIL WOOD-STAIN. Registered September 17, 1918. CARBOLINEUM WOOD PRESERVING CO., Milwaukee, Wis., a corporation of Wisconsin. Renewed September 17, 1938.

123,221. MEN'S OVERALLS. Registered October 22, 1918. FINCH, VAN SLYCK & McCONVILLE, St. Paul, Minn. Renewed October 22, 1938, to Ely & Walker Dry Goods Company, St. Louis, Mo., a corporation of Missouri, assignee by mesne assignments.

123,270. COAL AND WOOD STOVES, RANGES, HEATERS, HOT-AIR FURNACES, CANNERS (CANNING-STOVES). Registered October 22, 1918. PHILLIPS & BUTTORFF MFG. CO., Nashville, Tenn., a corporation of Tennessee. Renewed October 22, 1938.

123,294. BRAKE-LININGS. Registered October 22, 1918. THERMOID RUBBER COMPANY, Hamilton Township, Trenton, N. J. Renewed October 22, 1938, to Thermoid Company, Trenton, N. J., a corporation of Delaware, assignee.

123,331. COFFEE. Registered October 29, 1918. CHASE & SANBORN, Boston, Mass. Renewed October 29, 1938, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

123,332. PREPARED FLOOR-COVERINGS OF THE OILED-CLOTH TYPE. Registered October 29, 1918. THE CONGOLEUM COMPANY, Philadelphia, Pa. Renewed October 29, 1938, to Congoleum-Nairn Inc., Kearny, N. J., a corporation of New York, assignee.

123,335. CERTAIN NAMED CLOTHING. Registered October 29, 1918. ELDER MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed October 29, 1938.

123,373. A NON-INTOXICATING CEREAL BEVERAGE CONTAINING LESS THAN ONE-HALF OF ONE PER CENT ALCOHOL. Registered October 29, 1918. MILWAUKEE-WAUKESHA BREWING COMPANY, Waukesha, Wis. Renewed October 29, 1938, to Fox Head Waukesha Corporation, Milwaukee, Wis., a corporation of Wisconsin, by change of name.

123,471. GUMMED PAPER-BOX STAYS. Registered November 12, 1918. NASHUA GUMMED AND COATED PAPER COMPANY, Nashua, N. H., a corporation of Massachusetts. Renewed November 12, 1938.

# LABELS

## REGISTERED JUNE 14, 1938

51,284.—*Title:* AMONTILLADO SOLERA NO. 51. For Dry Sherry. ALLEN-DIAZ, INC., New York, N. Y. Published May 10, 1938.

51,285.—*Title:* AMIROL COLOR & OIL SHAMPOO TREATMENT. For a Color and Oil Shampoo. AMIROL-ADMIRACION SALES CORPORATION, Newark, N. J. Published January 15, 1938.

51,286.—*Title:* GLAD-FOOT ANTISEPTIC FOOT BATH POWDER. For Antiseptic Foot Bath Powder. E. S. ANDREWS, Chicago, Ill. Published April 15, 1937.

51,287.—*Title:* REX DOG SHAMPOO. For Dog Shampoo. ATWELL & KESSLER, Milwaukee, Wis. Published April 4, 1938.

51,288.—*Title:* TETRACLEAN SOLVENT. For Solvent. AYR-MOR LAUNDRY MACHINERY COMPANY, Chicago, Ill. Published January 31, 1938.

51,289.—*Title:* BUILDERS BRAND. For Grapefruit. BETTER BUSINESS BUILDERS, INC., Minneapolis, Minn. Published December 16, 1937.

51,290.—*Title:* GOLD COAST. For Pale Beer. BLESER BREWING CO., Manitowoc, Wis. Published March 1, 1938.

51,291.—*Title:* SOLO. For Straight Bourbon Whiskey. PHILIP BLUM & COMPANY, INC., Chicago, Ill. Published April 1, 1938.

51,292.—*Title:* PIPEMASTER. For a Drain Pipe Cleaner. BRAY CHEMICAL CO., Chicago, Ill. Published July 13, 1937.

51,293.—*Title:* PEN-EASE. For History Paper. CARPENTER PAPER COMPANY, Omaha, Nebr. Published March 15, 1938.

51,294.—*Title:* BULLOCK'S JUNIOR FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published October 30, 1936.

51,295.—*Title:* JUNIOR FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published October 9, 1934.

51,296.—*Title:* BEAUTIFUL SHOES. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published December 11, 1935.

51,297.—*Title:* STAR MOLY HACK SAWS. For Hack Saws. CLEMSON BROS., INC., Middletown, N. Y. Published December 27, 1937.

51,298.—*Title:* COLONIAL MASTER PAINTERS FLAT. For an Interior Flat Finish Paint. COLONIAL WORKS, Brooklyn, N. Y. Published April 22, 1938.

51,299.—*Title:* COLONIAL SCREEN PAINT. For Screen Paint. COLONIAL WORKS, Brooklyn, N. Y. Published May 12, 1938.

51,300.—*Title:* NU-HAIR. For a Hair Dressing. CORTELL, INC., Detroit, Mich. Published April 9, 1938.

51,301.—*Title:* THE MEN'S FASHION ADVERTISER. For Mats and Cuts. CRAMER-TOBIAS-MEYER, New York, N. Y. Published February 1, 1938.

51,302.—*Title:* CUTLER'S ROYAL-A CARROTS. For Fresh Carrots. ROYAL A. CUTLER, Spokane, Wash. Published November 2, 1937.

51,303.—*Title:* O K. For an Automobile Cleaner and Polish. T. ROSS DUNLEVY, doing business as OK Products, Miami, Fla. Published October 10, 1937.

51,304.—*Title:* SOILAX FORMULA "B". For a Cleanser and Water Softener for Wall Washing, Paint Cleaning, and General Use. ECONOMICS LABORATORY, INC., St. Paul, Minn. Published October 1, 1937.

51,305.—*Title:* SOILAX FORMULA "A". For a Cleanser and Water Softener. ECONOMICS LABORATORY, INC., St. Paul, Minn. Published October 1, 1937.

51,306.—*Title:* ELAM'S WHOLEGRAIN VEGETABLE BREAD. For Bread. ELAM MILLS INC., Chicago, Ill. Published April 11, 1938.

51,307.—*Title:* REGINA. For California Sparkling Burgundy. ELLENA BROS., Etiwanda, Calif. Published March 14, 1938.

51,308.—*Title:* POT LUCK. For a Game. E. E. FAIRCHILD CORPORATION, Rochester, N. Y. Published December 29, 1937.

51,309.—*Title:* SOUTH AMERICA PRIDE. For Coffee. JOHN J. FARACO, Brazil, Ind. Published May 2, 1938.

51,310.—*Title:* GARCIA GRANDE CIGARS "TASTE PROTECTED". For Cigars. GARCIA GRANDE CIGARS, INCORPORATED, New York, N. Y. Published February 10, 1938.

51,311.—*Title:* COMPOSITE GARMENT. For Garments. GARMENT PATENTS INC., New York, N. Y. Published May 16, 1938.

51,312.—*Title:* KENNO. For Chewing Gum. GUMAKERS OF AMERICA, INC., Clifton Heights, Pa. Published May 11, 1938.

51,313.—*Title:* SITRIMIN. For a Gastric Antacid and Adsorbent. HART DRUG CORPORATION, Miami, Fla. Published April 8, 1938.

51,314.—*Title:* SITRIMIN. For a Gastric Antacid and Adsorbent. HART DRUG CORPORATION, Miami, Fla. Published April 8, 1938.

51,315.—*Title:* ALKAMID. For Medicinal Tablets. HART DRUG CORPORATION, Miami, Fla. Published April 14, 1938.

51,316.—*Title:* FOUR SEASON. For Sport Jackets. HIRSCH-WEIS MANUFACTURING COMPANY, doing business as Hirsch-Weis, Portland, Oreg. Published Apr. 5, 1938.

51,317.—*Title:* HUBER'S FRESH BREAD. For Bread. HUBER BAKING COMPANY, Wilmington, Del. Published May 2, 1938.

51,318.—*Title:* KLEENEX TISSUES. For Tissues. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Published April 4, 1938.

51,319.—*Title:* RUST-SOLV. For a Rust Solvent Penetrating Fluid. FRED CHARLES JOY, doing business as Joy and Company, Sacramento, Calif. Published March 21, 1938.

51,320.—*Title:* RUST-SOLV. For a Rust Solvent Penetrating Fluid. FRED CHARLES JOY, doing business as Joy and Company, Sacramento, Calif. Published March 21, 1938.

51,321.—*Title:* PLASTI-KOTE. For Heat Insulation. PHILIP KAPLAN, New York, N. Y. Published March 7, 1938.

51,322.—*Title:* THERMALIN. For Plastic Insulation for Heat Control. PHILIP KAPLAN, New York, N. Y. Published March 7, 1938.

51,323.—*Title:* WAL-KLEEN. For Paint Cleaner. CHAS. A. KRAUSE MILLING CO., Milwaukee, Wis. Published April 21, 1938.

51,324.—*Title:* KROGER'S LATONIA CLUB LIME RICKEY. For Lime Rickey Made with Lime Pulp and Lemon. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published April 15, 1938.

51,325.—*Title:* KROGER'S LATONIA CLUB GINGER ALE. For Ginger Ale. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published April 15, 1938.

51,326.—*Title:* KROGER'S LATONIA CLUB ORANGE SODA. For Orange Soda. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published April 15, 1938.

51,327.—*Title:* KROGER'S LATONIA CLUB LEMON LIME SODA. For Lemon Lime Soda. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published April 15, 1938.

51,328.—*Title:* KROGER'S LATONIA CLUB IMITATION GRAPE SODA. For Imitation Grape Soda. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published April 15, 1938.

51,329.—*Title:* KROGER'S LATONIA CLUB WHITE SODA. For Carbonated Water with Sweetening and Citric Acid Added. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published April 15, 1938.

51,330.—*Title:* KROGER'S LATONIA CLUB IMITATION STRAWBERRY SODA. For Imitation Strawberry Soda. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published April 15, 1938.

51,331.—*Title:* KROGER'S LATONIA CLUB LITHIATED LEMON SODA. For Lithiated Lemon Soda. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published April 15, 1938.

51,332.—*Title:* KURFEES. For House Paint. J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky. Published April 30, 1938.



51,333.—*Title:* BONITA BLACKBERRY WINE. For Blackberry Wine. L. E. L. SALES COMPANY, INC., Amarillo, Tex. Published February 20, 1938.

51,334.—*Title:* XTRA HI. For Sweet Mixed Pickles. C. C. LANG & SON, INC., Baltimore, Md. Published March 28, 1938.

51,335.—*Title:* BRANDED LEE. For Cowboy Pants. THE H. D. LEE MERCANTILE COMPANY, Kansas City, Mo. Published May 1, 1938.

51,336.—*Title:* IF I WERE A MAN—I'D CHOOSE CHARLES CRAVATS. For Cravats. CHAS. H. LEVY CO., New Orleans, La. Published March 15, 1938.

51,337.—*Title:* A LIQUID FOOD FOR PUPPIES AND YOUNG DOGS. For a Liquid Food for Puppies and Young Dogs. LIVE PRODUCTS, INC., Cleveland, Ohio. Published June 16, 1937.

51,338.—*Title:* LIPTON CHOICE BLENDED ENGLISH BREAKFAST TEA (PURPLE AND GOLD). For Choice Blended English Breakfast Tea. THOMAS J. LIPTON, INC., Hoboken, N. J., Chicago, Ill., and San Francisco, Calif. Published March 1, 1938.

51,339.—*Title:* LIPTON CHOICEST BLEND OF CEYLON & INDIA ORANGE PEKOE & PEKOE TEA (YELLOW & RED). For a Choicest Blend of Ceylon and India Orange and Pekoe Tea. THOMAS J. LIPTON, INC., Hoboken, N. J., Chicago, Ill., and San Francisco, Calif. Published March 1, 1938.

51,340.—*Title:* CHARLIE McCARTHY. For Lead Pencils. CHARLIE MCCARTHY, INC., New York, N. Y. Published May 3, 1938.

51,341.—*Title:* SALLY-ANN ICE CREAM. For Ice Cream. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published May 14, 1938.

51,342.—*Title:* M & B ICE CREAM. For Ice Cream. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published May 5, 1938.

51,343.—*Title:* WHITE FLASH. For Paint. M. J. MERKIN PAINT CO., INC., New York, N. Y. Published May 9, 1938.

51,344.—*Title:* WHITE FLASH. For Paint. M. J. MERKIN PAINT CO., INC., New York, N. Y. Published May 9, 1938.

51,345.—*Title:* CHICAGO MOTOR CLUB. For Cigars. METROPOLITAN CIGAR CORPORATION, Chicago, Ill. Published March 28, 1938.

51,346.—*Title:* REREAL. For a Liniment. MORRIS J. MOSES, Los Angeles, Calif. Published April 21, 1938.

51,347.—*Title:* WHO'S LUCKY. For California Wine. WILLIAM B. MILLIKEN, JR., Colorado Springs, Colo. Published February 10, 1938.

51,348.—*Title:* REAL GOLD. For California Orange Juice. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif. Published May 9, 1938.

51,349.—*Title:* NONAIM. For an Arterial Fluid. NATIONAL WREATH & SUPPLY CO., Cleveland, Ohio. Published March 23, 1938.

51,350.—*Title:* SUNNY ITALY. For California Wines. OLD RELIABLE DISTRIBUTORS, INC., New Orleans, La. Published March 25, 1938.

51,351.—*Title:* THE WORLD'S BEST WORK SHIRT. For Work Shirts. OSHKOSH B'GOSH, INC., Oshkosh, Wis. Published April 11, 1938.

51,352.—*Title:* O T S. For Face Tents. OXYGEN THERAPY SERVICE, INC., doing business as Oxygen Therapy Service, New York, N. Y. Published June 10, 1937.

51,353.—*Title:* SWEETLAND. For Table Syrup. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published April 9, 1938.

51,354.—*Title:* MARIGOLD. For Pure Georgia Cane and Corn Syrup. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published April 25, 1938.

51,355.—*Title:* LUBRICATES TO THE LAST DROP—HITS THE SPOT FOR LUBRICATION. For Motor Oil. A. PHILLIPS SERVICE, Newkirk, Okla. Published April 4, 1938.

51,356.—*Title:* QUEEN ANT CONTROL. For a Preparation for Destroying Ants. QUEEN ANT CONTROL, INC., Columbus, Ohio. Published June 9, 1937.

51,357.—*Title:* RHYME-A-LINGS RHYMING GAME. For a Rhyming Game. RHYME-A-LINGS COMPANY OF AMERICA, INC., Coytesville, N. J. Published March 29, 1938.

51,358.—*Title:* NUT MEATS. For Chocolate Covered Nut Meats. F. H. ROBERTS COMPANY, Cambridge, Mass. Published April 7, 1938.

51,359.—*Title:* COFFEE. For Coffee. THOMAS M. ROYAL & COMPANY, Philadelphia, Pa. Published February 1, 1938.

51,360.—*Title:* SUNNY STATE FANCY CREAMERY BUTTER. For Butter. JOSEPH GEORGE RUVOLO, Albuquerque, N. Mex. Published March 1, 1938.

51,361.—*Title:* CUP-N-SAUCER BRAND. For Coffee. S. A. SCHONBRUNN & CO., INC., New York, N. Y. Published February 25, 1938.

51,362.—*Title:* TRAIN EGG CARTON. For Egg Cartons. LOUIS SCHWARTZBERG, Chicago, Ill. Published April 2, 1938.

51,363.—*Title:* QUICK-ADE. For Soft Drink Powders. SKINNER MANUFACTURING COMPANY, Omaha, Nebr. Published February 5, 1938.

51,364.—*Title:* KING KOLD. For Ice Cream. JOSEPH SPRAGIA, Hammond, Ind. Published April 1, 1938.

51,365.—*Title:* SPURR'S OLD SAN FRANCISCO. For a Sauce for Steaks. MELBOURNE SPURR, doing business as Spurrway Manufacturing Co., Los Angeles, Calif. Published April 12, 1938.

51,366.—*Title:* NEW YORK FAIR MODELING SET. For Modeling Sets. STANDARD TOYKRAFT PRODUCTS, INC., Brooklyn, N. Y. Published April 26, 1938.

51,367.—*Title:* COLD SPRINGS MINERAL WATER. For Mineral Water. JOSEPH D. STERN, doing business as The Cold Springs Mineral Water Company, Chicago, Ill. Published January 28, 1938.

51,368.—*Title:* LOU-ANA'S BREAD. For Bread. LOUIS C. STRAUSS, doing business as Lou-Ana's Bakery, Beeville, Tex. Published May 1, 1938.

51,369.—*Title:* FAYTAL INSECT SPRAY. For an Insecticide. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Published April 1, 1938.

51,370.—*Title:* SWANK 1000 SHEETS—SIZE 4½ X 5. For an All Purpose Toilet and Facial Tissue. VELDOWN COMPANY, INC., New York, N. Y. Published January 11, 1938.

51,371.—*Title:* VELDOWN 48 REGULAR SIZE NAPKINS. For Napkins. VELDOWN COMPANY, INC., New York, N. Y. Published March 1, 1938.

51,372.—*Title:* VELDOWN 36 REGULAR SIZE NAPKINS. For Napkins. VELDOWN COMPANY, INC., New York, N. Y. Published March 1, 1938.

51,373.—*Title:* VICTOR MOLY HACK SAW BLADES. For Hack Saw Blades. VICTOR SAW WORKS, INC., Middletown, N. Y. Published December 27, 1937.

51,374.—*Title:* VICTOR HACK SAWS. For Hack Saws. VICTOR SAW WORKS, INC., Middletown, N. Y. Published December 27, 1937.

51,375.—*Title:* HONEYLACT BONBONS. For Candy. ANDREW VRADIS, doing business as Honeylact Co., New York, N. Y. Published December 22, 1937.

51,376.—*Title:* TONE UP. For Carbonated Mixer. WARWICK CLUB GINGER ALE CO., INC., West Warwick, R. I. Published December 1, 1937.

51,377.—*Title:* WEIBRO. For Bathroom Tissue. WEISBERGER BROS. South Bend, Ind. Published August 5, 1936.

51,378.—*Title:* WEAVE-IT. For a Game. STANLEY WELTY, Indianapolis, Ind. Published April 23, 1938.

51,379.—*Title:* CHARLIE McCARTHY. For Scrap Books. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Published May 3, 1938.

51,380.—*Title:* WILSON'S IDEAL FRENCH DRESSING. For French Dressing. CHAS M WILSON, Caney, Kans. Published March 1, 1938.

51,381.—*Title:* CHECKEROLA. For a Game. CLAUDE M. WOODARD, Des Moines, Iowa. Published April 20, 1938.

# PRINTS

## REGISTERED JUNE 14, 1938

16,869.—*Title:* CAN OPENER WITH CAP PULLER. For Can Openers. THE ACME METAL GOODS MFG. CO., Newark, N. J. Published April 5, 1938.

16,870.—*Title:* FOUR STAR FOUNTAIN SERVICE BORDEN'S ICE CREAM. For Ice Cream. THE BORDEN COMPANY, New York, N. Y. Published January 8, 1938.

16,871.—*Title:* HI GRADE RUBBER TUBING. For Rubber Tubing. ESSEX RUBBER COMPANY, INC., Trenton, N. J. Published April 28, 1938.

16,872.—*Title:* AERO. For Milk Chocolate. HERSHEY CHOCOLATE CORPORATION, Hershey, Pa. Published November 1, 1937.

16,873.—*Title:* HERSHEY'S SYRUP. For a Chocolate Flavored Syrup. HERSHEY CHOCOLATE CORPORATION, Hershey, Pa. Published February 14, 1938.

16,874.—*Title:* THE TUDOR. For Neckties. KEYS & LOCKWOOD, New York, N. Y. Published January 28, 1938.

16,875.—*Title:* KLIX KERNELS. For Toasted Soy Beans. KLIX INC., Los Angeles, Calif. Published January 17, 1938.

16,876.—*Title:* FIZRITE. For a Rubber Bottle Cap. LANE MANUFACTURING CO., San Francisco, Calif. Published January 13, 1938.

16,877.—*Title:* IF I WERE A MAN. For Cravats. CHAS. H. LEVY CO., New Orleans, La. Published April 16, 1938.

16,878.—*Title:* IT'S GOOD—IT'S BIG CHEERIO. For Deliciously Coated Ice Cream Confections on a Stick. JOS LOWE CORPORATION, New York, N. Y. Published March 15, 1938.

16,879.—*Title:* FUDGICLE THE FUDGE FREEZE 5¢ NOURISHING. For a Frozen Confection on a Stick. JOS LOWE CORPORATION, New York, N. Y. Published March 18, 1938.

16,880.—*Title:* COOLING POPSICLE REFRESHING 5¢. For a Frozen Water-Ice Confection on a Stick. JOS LOWE CORPORATION, New York, N. Y. Published February 28, 1938.

16,881.—*Title:* LISTEN ON TH' RADIO AFTER MAY 1ST NIFTY GIFTS. CREAMSICLE DELICIOUSLY COATED ICE CREAM 5¢. For a Coated Ice Cream Confection on a Stick. JOS LOWE CORPORATION, New York, N. Y. Published March 25, 1938.

16,882.—*Title:* LET'S GET DOWN TO CASES. For Display Cases Equipped with General Electric Refrigeration. MCCALL REFRIGERATOR CORPORATION, Hudson, N. Y. Published March 15, 1938.

16,883.—*Title:* STEP OUT IN OSHKOSH B'GOSH. For Matched Shirts and Pants. OSHKOSH B'GOSH, INC., Oshkosh, Wis. Published April 15, 1938.

16,884.—*Title:* NO. E-21. For Cigarettes. THE R. J. REYNOLDS TOBACCO CO., Winston-Salem, N. C. Published September 10, 1937.

16,885.—*Title:* HOW TO PLAY THE GAME RITZY. For a Game. FRANK RIZZI, New York, N. Y. Published March 21, 1938.

16,886.—*Title:* SELMER JOINT GREASE. For Grease for Wood and Metal Joints on Musical Instruments. H. & A. SELMER INC., Elkhart, Ind. Published December 15, 1937.

16,887.—*Title:* SELMER BAND INSTRUMENT OILS. For Band Instrument Oils. H. & A. SELMER INC., Elkhart, Ind. Published December 15, 1937.

16,888.—*Title:* SELMER POLISHES. For Metal and Silver Polishes. H. & A. SELMER INC., Elkhart, Ind. Published December 15, 1937.

16,889.—*Title:* CUP CAKES. For Cup Cakes. TASTY BAKING COMPANY, Philadelphia, Pa. Published April 25, 1938.

16,890.—*Title:* LIGHT AND AIRY. For Pretzels. TASTY BAKING COMPANY, Philadelphia, Pa. Published May 10, 1938.

# REISSUES

## JUNE 14, 1938

**20,756**
**SIGN**

**Fitch J. Baumeister, Park Ridge, Ill., assignor, by mesne assignments, to North American Service Company, Chicago, Ill., a corporation of Illinois**

**Original No. 1,951,467, dated March 20, 1934, Serial No. 659,869, March 6, 1933. Application for reissue November 6, 1937, Serial No. 173,255**

**12 Claims. (Cl. 40—141)**



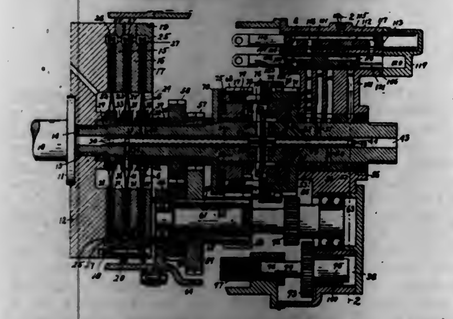
12. A sign of the type disclosed comprising a backing having a smooth, flat, relatively non-reflecting surface forming a background field, individual flat planar light-pervious characters formed of sheet glass having planar back surfaces and light diffusing front surfaces, a mirror carried as a coating on the back surfaces of the characters, and means for individually mounting the characters superposed upon the backing with their back surfaces parallel with and substantially against the said background surface of the backing, said mounting means including a hermetical seal of the mirror to the surface of the backing to prevent moisture from contacting the mirror.

**20,757**
**TRANSMISSION**

**Richard M. Blakely, Hamilton, Ohio, assignor, by mesne assignments, to Monopower Corporation, Detroit, Mich., a corporation of Michigan**

**Original No. 1,950,914, dated March 13, 1934, Serial No. 522,229, March 13, 1931. Application for reissue December 14, 1935, Serial No. 54,439**

**28 Claims. (Cl. 74—330)**



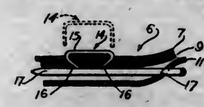
1. In a transmission mechanism, a driving element, a driven shaft, a sleeve rotatably mounted thereon, a gear secured upon said sleeve, a gear secured upon said shaft, a reverse gear train interposed between said sleeve gear and shaft gear, one gear of said train being normally out of driving relation, and means simultaneously operated for clutching said sleeve to said driving element and for placing said last-named gear in driving relation.

**20,758**
**FASTENING TROUSERS CUFF**

**Frank R. Curtiss, New Haven, Conn.**

**Original application December 19, 1933, Serial No. 703,032, now Patent No. 2,069,601, dated February 2, 1937. Divided and application May 16, 1935, Serial No. 21,741, now Patent No. 2,056,895, dated October 6, 1936. This application for reissue March 17, 1938, Serial No. 196,575**

**8 Claims. (Cl. 2—232)**



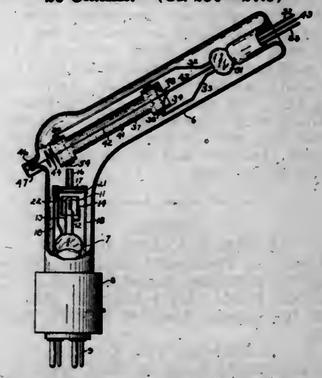
1. A trousers leg comprising at its lower end a cuff including inner and outer layers of fabric connected at their upper edges, a staple having its crown at the inner side of the trousers leg and having its prongs passing through the fabric of the trousers legs and all but the outer of said layers and clinched whereby the staple secures the cuff in place and is concealed by the outer layer of the cuff.

**20,759**
**ELECTRON MULTIPLIER**

**Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California**

**Original No. 1,969,399, dated August 7, 1934, Serial No. 432,602, March 3, 1930. Application for reissue May 18, 1936, Serial No. 80,469**

**26 Claims. (Cl. 250—27.5)**



1. An electron discharge device comprising, means for producing a modulated electron stream, a pair of opposed surfaces adapted to liberate electrons by secondary emission, and means for producing a potential gradient longitudinally of said surfaces, one of said surfaces being positioned to intercept said electron stream.

20,760
**TRANSPORTATION MEANS**
Nelson A. Ludington, New Haven, Conn.
Original No. 1,910,398, dated May 23, 1933, Serial No. 609,971, May 7, 1932. Application for reissue February 13, 1934, Serial No. 711,064
62 Claims. (Cl. 214—65)



1. Transportation means including an automotive vehicle having a turret arranged on the chassis thereof, means carried by the turret for receiving a load-box thereon; mechanism carried by said means for moving the box on and off said means, mechanism for raising and lowering the turret, and mechanism for turning the turret to a desired position to receive the load-box.

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20,761
**CLARIFICATION PLANT**
Max Prüss, Essen, Germany
Original No. 1,851,684, dated March 29, 1932, Serial No. 334,806, January 24, 1929. Application for reissue April 3, 1936, Serial No. 72,675. In Germany January 25, 1928
14 Claims. (Cl. 210—55)

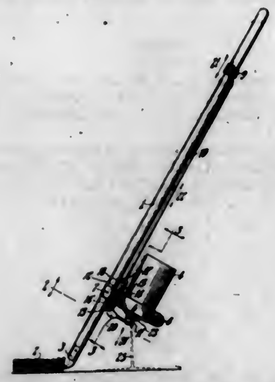


1. A settling plant comprising a settling tank, a water tight chamber extending down in the centre of said tank and separated from the walls thereof, said chamber being secured to the bottom of said tank, and scrapers adapted to rotate around said chamber on the floor of said tank and to shift the mud towards said chamber and a bridge upon which the scrapers are mounted, supported at one end on the upper portion of the water tight chamber and at the other end on the periphery of the tank.

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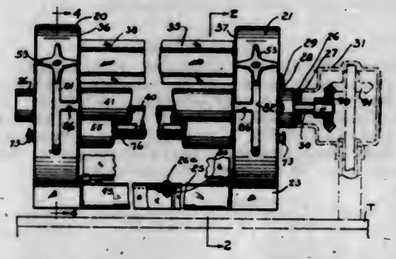
20,762
**FLOOR WAXING DEVICE**
Henry C. Thompson, Holyoke, Mass.
Original No. 2,061,216, dated November 17, 1936, Serial No. 42,801, September 30, 1935. Application for reissue January 5, 1938, Serial No. 183,561
4 Claims. (Cl. 91—25)

3. In combination, in a floor waxing apparatus, a handle member, a waxing pad attached thereto, a receptacle for containing waxing liquid, clamping means securing the receptacle to the handle, the receptacle having a discharge orifice, a plate member slidable relative to the clamping means in substantial parallelism with the handle, a stopper for normally closing the orifice, a member extending along the handle having its upper end slidably guided on the handle and its lower end connected to the plate member, and a spring urging the plate in a direction to bring the stopper into orifice closing position, all adapted and arranged whereby the stopper may be moved towards and away from the orifice in a substantially straight line.



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20,763
**WRINGER**
Charles B. Williams, Shaker Heights, Ohio
Original No. 2,056,105, dated September 29, 1936, Serial No. 533,066, April 27, 1931. Application for reissue July 12, 1937, Serial No. 153,285
38 Claims. (Cl. 68—248)



1. In a wringer, a main frame, a supplemental frame adjustably carried by the main frame, a pressure roll rotatably supported by the main frame, a second pressure roll adapted to coact with the first named roll and rotatably mounted in the supplemental frame, pressure means carried by the supplemental frame and adapted to resiliently urge the two rolls into contact with each other, a supplemental roll carried by the supplemental frame and arranged to contact with one of the pressure rolls and wherein the supplemental frame together with the supplemental roll and second named pressure roll are shiftable as a unit about the first-named pressure roll, without disturbing the contact between the two rolls.

33. In a three-roll wringer, a frame, three rolls carried thereby, means to establish between said rolls a downwardly opening auxiliary intake bite and an upwardly discharging pressure bite at opposite sides of the wringer and mechanism to shift said means to reverse the relative location of said auxiliary bite and said pressure bite to permit the operator to feed clothes to the wringer from either side thereof.

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20,764
**PARKING METER**
Roger W. Babson, Wellesley, Mass.
Original No. 1,965,066, dated July 3, 1934, Serial No. 420,270, January 11, 1930. Application for reissue July 1, 1936, Serial No. 88,415
25 Claims. (Cl. 177—311)

1. A parking indicator comprising two electric indicating signals adjacent to a parking berth, a separate connector, circuit closing means operable by application of said connector for actuating one of said signals, and electrically driven signal changing means, normally inoperative and set in operation by application of said connector for discontinuing the before specified signal and operating the other signal after lapse of a given time interval.



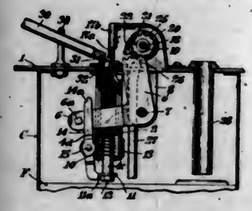
# PATENTS

GRANTED JUNE 14, 1938

2,120,225
**NICOTINE COMPOSITION**
Robert B. Arnold, Stonewall Courts, Va., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky., a corporation of Delaware
No Drawing. Application December 28, 1936, Serial No. 117,881
7 Claims. (Cl. 167—39)

1. A composition of matter in liquid form comprising anhydrous nicotine and water-free liquid petroleum hydrocarbon in solution in each other, said hydrocarbon having a boiling point not substantially less than 400° F. and not substantially greater than 800° F. the nicotine constituting not less than about seventy-five to eighty percent of the nicotine and hydrocarbon mixture.

2,120,226
**PYROPHORIC LIGHTING MECHANISM**
Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey
Application March 29, 1935, Serial No. 13,627
8 Claims. (Cl. 67—4.1)



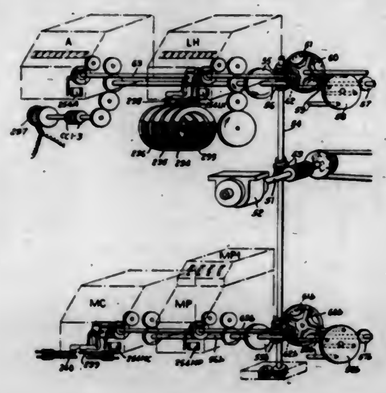
2. Pyrophoric lighting mechanism comprising a casing, spark-producing means, fulcrum means, a movable member for actuating said spark-producing means, said movable member being positioned between said spark-producing means and said fulcrum means, and a torch engageable with said fulcrum means to actuate said movable member, said torch carrying a charge of fuel positioned in the path of sparks projected from said spark-producing means.

2,120,227
**PURIFICATION OF GLYCEROL**
Gilbert W. Brant, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 21, 1937, Serial No. 138,230
16 Claims. (Cl. 260—156.5)

1. The removal of odorous and odor-forming constituents from glycerol which comprises maintaining glycerol in contact with an activated vegetable carbon for such a period of time that a 50% aqueous solution of filtered glycerol so contacted when heated to 75° C. with one-half its equivalent amount of 0.5% solution of sulfuric acid will be substantially free from odor, the glycerol-carbon mass having a pH value of less than 7, and separating the glycerol from the carbon.



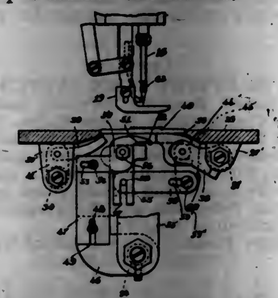
2,120,228
**ACCOUNTING MACHINE**
James W. Bryce, Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 1, 1933, Serial No. 654,619
44 Claims. (Cl. 235—61.8)



2. An accounting machine comprising a first accumulator, a second accumulator and a third accumulator, an entry receiving device, amount entry means for entering amounts by an entering operation into the first and second accumulators, means for entering another amount into said entry receiving device, said amounts so entered comprising the monomials of a polynomial expression, the amount entered into the second accumulator and into the other entry device also comprising the factors of a multiplying computation, multiplying means for multiplying such factors and for entering the product thereof into the third accumulator, means for completely evaluating the polynomial expression in the first of said accumulators, said polynomial expression including a polynomial term preceded by a significant algebraic sign, and said polynomial term including monomials having significant algebraic signs, said evaluating means comprising transfer means intermediate the second accumulator and the first accumulator normally adapted to transfer according to a given algebraic sign, and transfer means intermediate the third accumulator and the first accumulator normally adapted to transfer according to a given algebraic sign, selectively conditioned sign signifying means predetermining the sign preceding the polynomial term and means controlled thereby for causing the transfer means for the monomials of the polynomial term into the first accumulator to transfer in reversed sign relation when the sign signifying means is conditioned to predetermine that the preceding sign is minus, and in non-reversed relation when conditioned to signify that the preceding sign is plus.

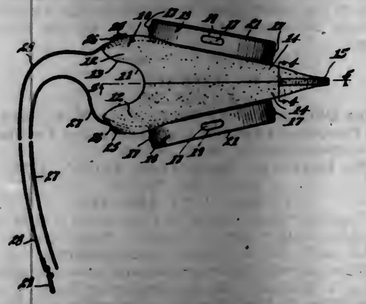


2,120,229
**TUFTING ATTACHMENT FOR SEWING MACHINES**
George Callahan, Resaca, Ga., assignor of one-half to Leo Berman, Dalton, Ga.
Application July 14, 1937, Serial No. 153,467
1 Claim. (Cl. 112—79)



In a sewing machine of the character described including a main drive for reciprocating a needle and for oscillating the feed dog shafts, an additional shaft similarly oscillated by the said main drive, a transverse extension block secured to the said additional shaft and radially oscillating with said shaft in a plane perpendicular to the plane in which the needle reciprocates, the said extension block having fixedly secured thereto a projecting looper portion with a hook on one end and a cutting edge inwardly thereof, the said looper portion being adjustable vertically and horizontally and oscillating across the path of movement of the needle to receive loops from the needle, a cutting blade having a vertical slot on the lower end and being pivotally connected at the upper end to said looper portion, and a fixed pivot horizontally adjustable engaging the said vertical slot whereby oscillating movements of the said extension swing the cutting edges of the blade and looper portions to and away from each other.

2,120,230
**RESPIRATOR**
Harvey S. Cover, South Bend, Ind.
Application August 10, 1933, Serial No. 684,503
7 Claims. (Cl. 128—146)



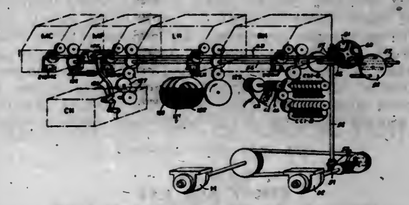
4. A device of the character described comprising a main body portion, a face entrance opening and symmetrical side and top and bottom walls, nose receiving portions in said top and bottom walls, said device being adapted for use with its top wall at the top or in the position given with the device rotated through 180°.

2,120,231
**RESPIRATOR**
Harvey S. Cover, South Bend, Ind.
Application December 26, 1935, Serial No. 56,255
9 Claims. (Cl. 128—146)



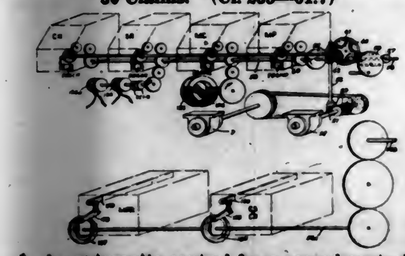
1. In a respirator, a body portion and a removable filter box mounted eccentrically of the filter box on the side of said body portion and adjustable about the mounting, substantially as described.

2,120,232
**MULTIPLYING MACHINE WITH AUTO-CONTROL**
George F. Daly, Johnson City, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 14, 1933, Serial No. 660,633
14 Claims. (Cl. 235—61.7)



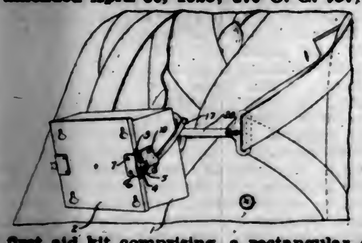
1. A record controlled multiplying accounting machine with multiplying devices, multiplicand receiving means for controlling the same, multiplier entry receiving means for also controlling the operation of the aforesaid multiplying devices for one or more calculations, means for resetting the multiplier entry receiving means, means effective when the multiplier entry receiving means is not being reset for automatically re-initiating a new multiplying computation after a preceding computation has been completed, means operable upon one entry of a multiplier into the multiplier entry receiving means for thereafter automatically cutting off the entries of further amounts into the multiplier entry receiving means, record controlled means for detecting changes in group numbers for each successive record and means controlled thereby effective upon the reading of a change in group numbers of the records for enabling clearing of the multiplier entry receiving means and means effective upon clearing of the multiplier entry receiving means for suppressing the re-initiation of a new multiplying computation and for re-establishing the receiving relation between the multiplier entry receiving means and the record reading means so that a new multiplier may be entered into said receiving means.

2,120,233
**CONTROL MEANS FOR RECORD CONTROLLED ACCOUNTING MACHINES**
George F. Daly, Johnson City, and Arthur H. Dickinson, Brooklyn, N. Y., assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 23, 1933, Serial No. 662,250
30 Claims. (Cl. 235—61.7)



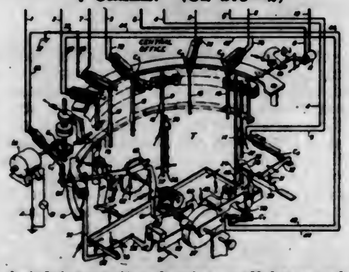
1. An automatic control for a record controlled accounting machine with means for deriving control data from a leading card of a run, means for setting up and retaining such data as a control amount, means for reading following records one by one, means for comparing their control data with the set up retained control amount, means to cause the original control data derived from the original leading record to be retained in the retaining means for comparison with control data read from further following records, and control means rendered effective by the comparing means upon agreement of read control data with retained control data and rendered ineffective upon disagreement of such data, entry retaining means receiving an amount from the record, means for clearing said entry retaining means, a supplemental record control means responsive to identifying characteristics upon a record and cooperating with the control means to enable clearing of the entry retaining means.

2,120,234
**FIRST AID KIT**
Harry G. Armstrong, Fairfield, Ohio
Application August 12, 1935, Serial No. 35,722
1 Claim. (Cl. 224—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A first aid kit comprising, a rectangular container having a bottom surmounted by four sides, an opposed pair of said sides having oppositely arranged apertures slightly below the open side of said container and the exposed surface of articles deposited therein, a flexible strap loosely threaded through said apertures and permitting ready insertion and withdrawal of the articles in said container, the ends of said strap being further provided with gripping portions for accomplishing straight line tensioning rendering the central portion thereof continuously taut against the exposed surface of said articles, a cover for said container and spring clip holding means fixed to said cover and partially overlying said strap at points of clamping engagement with said container such that simultaneous outward pull on said gripping members in the line of said apertures releases spring clip engagement from said container.

2,120,235
**TELETYPEWRITER SYSTEM**
James Francis Beattie, Norwood, and Harold Jerome Cunningham, Scotch Plains, N. J.; and Walter Richard Roycroft, Ozone Park, N. Y.; said Beattie and said Roycroft assignors to Western Electric Company, Inc., a corporation of New York, and said Cunningham assignor to American Telephone and Telegraph Company, a corporation of New York
Application January 2, 1936, Serial No. 57,268
7 Claims. (Cl. 178—2)



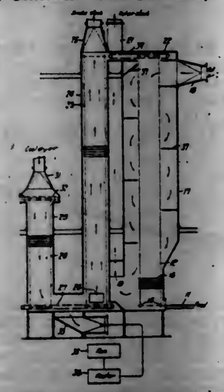
1. A teletypewriter having pull bars, selecting mechanism for selecting certain of the pull bars, a reciprocating bail for elevating those pull bars selected by the selecting mechanism, switching contacts located in the teletypewriter above the pull bars and adapted to be selectively operated individually by the pull bars when the pull bars are elevated, circuits adapted to be opened and closed by the switching contacts, a control contact connected in series with said circuits whereby the operation of said switching contacts is normally ineffective to perform any useful function, an instrumentality for operating said control open contact for rendering the operation of said contacts effective, and a special contact located in the teletypewriter for discontinuing the effect of the operation of any one of the switching contacts following the operation of the control contact.

2,120,236
**LACQUER**
Walter Durgin Bewlby, Jersey City, N. J., assignor to Egyptian Lacquer Manufacturing Company, a corporation of New Jersey
No Drawing. Application April 7, 1936, Serial No. 73,185
1 Claim. (Cl. 134—79)

A lacquer which upon drying gives a film that is substantially proof against discoloration by actinic rays and in which substantially all of the carbohydrate derivatives present are nitrostarch having a viscosity characteristic to from 4 to 6 centipoises and a nitrogen content of 11.5% to 12.5%, said lacquer containing a plasticiser mixture consisting of about two parts of plasticiser which is substantially liquid at room temperature to about five parts of plasticizer which is at least semi-solid at room temperature, the total plasticisers present being from 40 to 60% by weight of the nitrostarch.

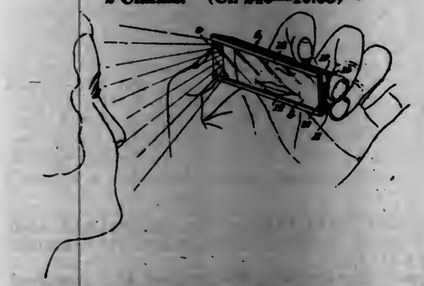


2,120,237
**TREATING FISH AND PRODUCT THEREOF**
Maurice L. Brenner and Victor Schwab, Monterey, Calif., assignors to Sea Pride Packing Corp., Ltd., a corporation of California
Application January 22, 1936, Serial No. 60,230
2 Claims. (Cl. 99—158)



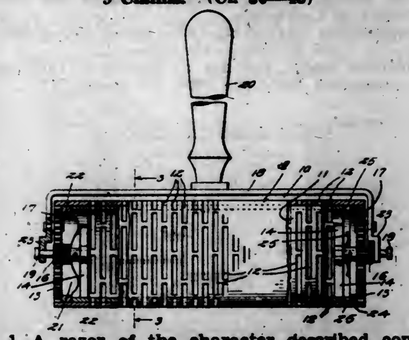
1. A process for producing smoked fish fillets from which a substantial percentage of the moisture has been removed and in which fat cells in each fillet are substantially intact, said process including the successive steps of passing cold air over hot and substantially dried and over-smoked fillets to cool said fillets and reduce said over-smoked condition and impart a smoked content to said cold air, heating said cold air having a smoke content to a fish fillet drying temperature, e. g. 110° F., passing said heated air having said smoke content over fresh cold fillets to dry said fillets, and raise the temperature thereof, passing smoke over the hot dry fillets until said fillets are over-smoked.

2,120,238
**FLASHLIGHT**
Abbott P. Brush, Greenwich, Conn.
Application April 7, 1937, Serial No. 135,417
2 Claims. (Cl. 240—10.63)



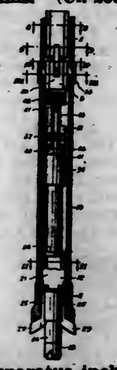
2. A combination lipstick mirror and light, comprising an elongated casing having a light window in one end and a light window in one side of the same adjacent said end, a lamp bulb within the casing back of said end and side light windows, a dry cell for said lamp bulb within the casing, means at the opposite end of the casing from said end light window for closing circuit of the dry cell through said lamp bulb and whereby the end light window may be closed and the lamp bulb be lighted by holding the casing endwise between opposed fingers of one hand, and an elongated lipstick mirror on the outside of the casing extending from the light window in the side of the casing toward the opposite end of the casing for reflecting the image of the lips illuminated through said side window when the casing is held in the fingers as described.

2,120,239
**SHAVER AND HAIR REMOVER**
Gustav Burgeson, Youngstown, Ohio
Application April 20, 1937, Serial No. 138,036
9 Claims. (Cl. 30—43)



1. A razor of the character described comprising slotted interfitted relatively rotatable cylinders, gearing connections between the cylinders for reversely rotating the same with respect to each other, and means active between the cylinders for imparting reciprocation of one cylinder relative to the other.

2,120,240
**DRILLING APPARATUS**
James F. Chappell, Mineola, Tex.
Application May 25, 1936, Serial No. 81,647
13 Claims. (Cl. 255—74)



1. A drilling apparatus including, a rotatable drill pipe, means for rotating said pipe, an outer drill bit having expansible blades adapted to be lowered through the pipe to the bottom thereof, means at the lower end of the pipe for supporting the bit at the bottom of the pipe, a mandrel adapted to be inserted within the outer drill bit for expanding and holding in their expanded positions the blades of said bits, an inner pilot carried by the lower end of the mandrel and projecting below the outer bit, means for connecting

the outer bit with the drill pipe whereby rotation of said drill pipe will rotate the outer bit, means for imparting a hammering motion to the inner bit, and means for connecting the last named means with the drill pipe, whereby rotation of the drill pipe will impart a hammering action to the inner drill bit.

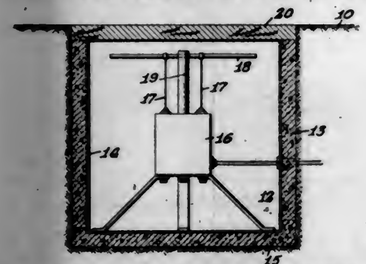
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2,120,241

## RADIO GUIDANCE OF AIRCRAFT

Harry Diamond and Francis W. Dunmore, Washington, D. C., assignors to the Government of the United States as represented by the Secretary of Commerce

Application August 26, 1935, Serial No. 37,930
6 Claims. (Cl. 250—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an ultra high frequency transmission system, a source of ultra high frequency, means for supplying output of said source of ultra high frequency to directive radiating means, said directive radiating means being orientable to serve different directions in an azimuthal plane and being located in a container with sides and bottom shielded and its top covered with non-shielding material, said container being buried in a landing surface with said top flush with said landing surface; so that a portion of the energy emerging through the top of the container from the radiating means is repropagated azimuthally above the top edge of the container and defines a course along the selected approach to said landing surface which provides vertical guidance for aircraft.

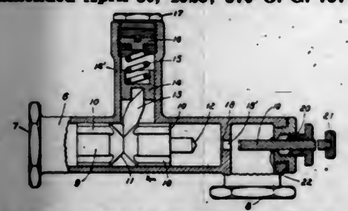
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2,120,242

## AUTOMATIC CUT-OFF VALVE

Walter S. Diehl, United States Navy

Application August 12, 1936, Serial No. 95,570
3 Claims. (Cl. 137—153)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A valve operated by differential fluid pressure comprising a cylindrical fluid passage with an orifice in the downstream end, a grooved piston slidably fitted in said cylindrical passage and carrying a needle device on its downstream end, said needle device coaxially registering with said downstream orifice a toggle device for holding said piston and appendage selectively away from or against said orifice, and a rearming device for setting said piston in a valve-open position against the toggle action tending to keep said piston in a valve-closed position.

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2,120,243

## CARBON ELECTRODE FOR PROJECTORS

Joseph W. Droll, Chicago, Ill.

Substitute for application Serial No. 134,972, April 5, 1937. This application June 11, 1937, Serial No. 147,757
7 Claims. (Cl. 176—119)



1. An electrode comprising a stick having a body of carbon and a metallic conductive coating around the body, and provided at its ends with means for telescopic end-to-end and contacting connection of the carbon body with the carbon bodies of other carbon-sticks, and means for electrically connecting the conductive coating to the conductive coating of said other carbon-sticks and extending across the joint between the sticks for maintaining a continuous electrical path to the arc and through the coatings of connected sticks.

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2,120,244

## TREATMENT OF MOTOR FUEL

Charles G. Dryer, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application August 31, 1935, Serial No. 38,793
16 Claims. (Cl. 44—9)

1. A method for stabilizing cracked gasoline against deterioration which comprises adding to the gasoline an alkyl-substituted para-aminophenol and an alkyl-substituted paraphenylenediamine dissolved in an alcoholic solvent comprising a butyl alcohol.

10. A method for stabilizing cracked gasoline against deterioration which comprises adding to the gasoline a relatively small amount of a solution of mono-iso-amyl para-aminophenol and diiso-amyl paraphenylenediamine, the first-named compound being in substantially greater proportion than the second, and the solvent of said solution comprising a major proportion of methyl alcohol and a minor proportion of a butyl alcohol.

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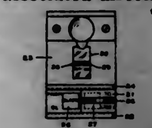
2,120,245

## COURSE INDICATOR FOR THE DOUBLE AND TRIPLE MODULATION DIRECTIVE RADIO BEACONS

Francis W. Dunmore, Washington, D. C., assignor to the Government of the United States as represented by the Secretary of Commerce

Application March 9, 1932, Serial No. 597,755
9 Claims. (Cl. 177—352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. The combination with a visual indicator of the tuned reed type adapted to be reversibly positioned on an airplane instrument board and to be operated by the visual type radio beacon, of a plurality of course identifications on the face of said indicator, flight direction markings in inverse reading relation to each other associated with said course identifications and indicating opposite directions of flight relative to the beacon, means for exposing at will one of the course identifications and its associated direction markings such



that when said indicator is positioned on the instrument board so that the exposed associated marking in reading position will indicate the direction of flight relative to the beacon when the reed vibrating with greatest amplitude is on the same side as the deviation of the airplane from the radio beacon course.

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2,120,246

## PYROTECHNIC DEVICE

Max W. Fischer, Washington, D. C.

Application November 27, 1935, Serial No. 51,814
8 Claims. (Cl. 102—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a pyrotechnic device, comprising a base having a hollow spindle extending therefrom and a cavity in communication with the bore of said spindle, an ejection charge container having a lateral wall and a base with the free edge of said wall secured to the first mentioned base substantially enclosing said spindle, said container having vent holes through its lateral wall and also through its base, and an aperture in its base through which said spindle extends, there being vents in said spindle in communication with said bore and said container, said container having a circumferential channel intersecting the said vent holes through its lateral wall, an obturating cup of thin, soft metal enclosing said container and having its edge overturned and clamped between said container and said base; said cup being radially expansible substantially throughout its length to provide a large area sealing contact with a barrel through which the device is being fired, said cup being perforated in registry with the vent holes through the base of the container, a rupturable sealing disc disposed against the base of said obturating cup, a nut screwed on said spindle against said disc and having vent holes aligned with the vent holes in the base of said container, a primer seated in the outer end of the bore in said spindle, a combustible disc over the said cavity in said base, a felt annulus disposed over the last mentioned disc, a pyrotechnic unit seated on said annulus, a metal cylinder enclosing said unit and having an edge clamped between said container and said base, a frictionally retained closure for the outer end of said cylinder, an ejection charge in said container, an expulsion charge in said cavity in said base, and a delay train in the bore of said spindle in contact with said expulsion charge.

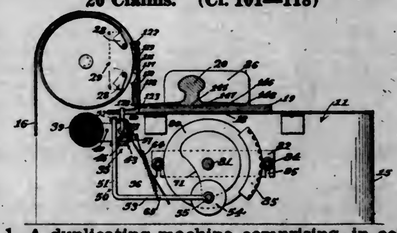
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2,120,247

## DUPLICATING MACHINE

Samuel W. Funk, Charter Oak, Paul Sauble Funk, Covina, and Isaac Funk, Charter Oak, Calif.

Application June 23, 1936, Serial No. 86,756
20 Claims. (Cl. 101—118)



1. A duplicating machine comprising, in combination, a rotatable stencil drum, a pressure roll to engage paper when passed between the drum and the roll, means to urge and retain the roll normally out of pressure relation with the drum when there is no paper feed, and means to move the pressure roll into pressure relation with a sheet of paper when said paper is fed between the roll and the drum for printing, the pressure roll being mounted in a tilting frame balanced to normally maintain the roll spaced from the drum, a positively driven means actuated from the drum, and an interconnection from said driven means to the tilting frame to move said frame and thereby bring said roll into operative relation with the drum.

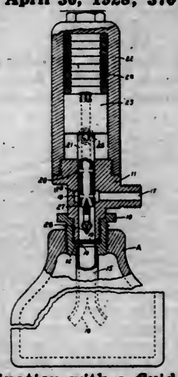
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2,120,248

## CHARGING AND DISCHARGING VALVE

Harvey S. Hinchman, Merchantville, N. J.

Application October 22, 1936, Serial No. 107,039
12 Claims. (Cl. 221—73.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

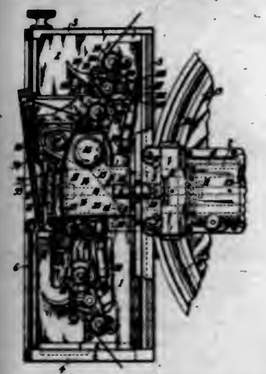


1. In combination with a fluid container having an opening therein, a tubular member mounted in said opening, a fluted sealing disc mounted

in said member, a tubular flattening means carried by said tubular member for flattening said fluted disc for sealing the said fluid container against leakage, and puncturing means slidably mounted for longitudinal movement within said flattening means and adapted to be released for the purpose of puncturing said sealing disc to set free the fluid in said container.

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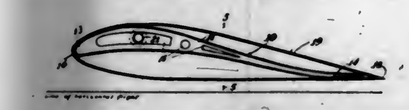
2,120,249
**SOUND AND PICTURE APERTURE UNIT AND FILM FEEDING MECHANISM**
Arthur J. Holman, East Orange, N. J.
Application December 14, 1934, Serial No. 757,451
8 Claims. (Cl. 88—16.2)



1. An aperture unit comprising an aperture frame, a continuous curved, sound and picture aperture plate mounted on said aperture frame, and laterally adjustable guiding means mounted on said aperture frame above and below said aperture plate, said guiding means being adapted and arranged to align continuously a film strip with respect to said aperture plate as said film strip is drawn continuously thereover by means external to said aperture unit, said film strip being held in contact with said curved aperture plate by a uniform drag applied to said film strip through means external to said aperture unit but in close proximity thereto.

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2,120,250
**AEROFOIL**
Claude M. Houston, Pittsburgh, Pa.
Application March 7, 1936, Serial No. 67,651
4 Claims. (Cl. 244—44)



1. An airfoil comprising an inner supporting framework, the perimeter of which is surrounded by an aerodynamical surface consisting of an hermetically sealed, continuous envelope of metal sheet, flexible due to its thinness, and partly secured to said framework, the unsecured portions of said envelope being movable in response to either a positive or negative static pressure respectively against the inner surfaces of said hermetically sealed envelope, thus altering the aerodynamical profile of the airfoil.

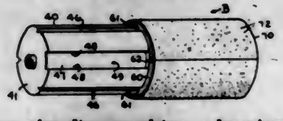
2,120,251
**TOY RAILROAD TRACK**
Henry Lewis Johnson, East Cleveland, Ohio
Application July 5, 1935, Serial No. 29,910
21 Claims. (Cl. 238—10)



1. In a toy railroad track, the combination of means forming transverse ties or sleepers for the track, and sheet metal rail sections loosely connected together and directly engaging each other at their ends and rigidly secured directly to said ties or sleepers, having provisions to limit endwise relative adjustment between the sections, while practically maintaining the continuity of each sectional rail thus provided, forming in effect a plurality of continuous and parallel rails for the toy railroad track.

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2,120,252
**ABRADING MACHINE**
Vassaf Kadri, New York, N. Y., assignor, by direct and mesne assignments, of thirty percent to Nouri Rajeb, New York, N. Y., and twenty-five percent to Mary Bagdadi, Brooklyn, N. Y.
Application September 15, 1936, Serial No. 100,930
2 Claims. (Cl. 51—170)



1. In an abrading machine, a housing, a roller rotatably carried by said housing and provided with a substantially V-shaped peripheral groove and a second peripheral groove having substantially paralleling side walls, said grooves being spaced apart and extending longitudinally of said roller, a tubular member detachably mounted upon said roller, having a V-shaped lug projecting from the inner periphery thereof and extending longitudinally of said tubular member with said V-shaped lug accommodated in said V-shaped groove, said tubular member being provided with a longitudinally extending slot having a width less than the width of the second named groove and disposed over said second named groove, and a section of abrading material removably extending over the periphery of said tubular member, with the end portions of said section extending through said slot and into the second named groove.

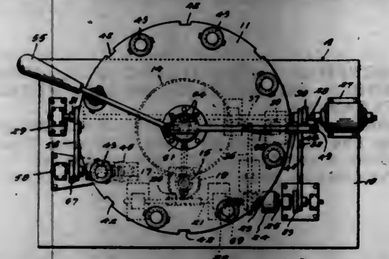
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2,120,253
**POTTERY MAKING MACHINE**
George Wilmer Lane, Canonsburg, Pa.
Application October 27, 1936, Serial No. 107,885
1 Claim. (Cl. 25—24)

A machine of the character described comprising a turntable having edge notches, molds carried by the turntable close to its periphery, jigger mechanism cooperating with the molds, a tool-carrying lever pivotally supported for vertical movement above said turntable, power mechanism for driving the turntable and having



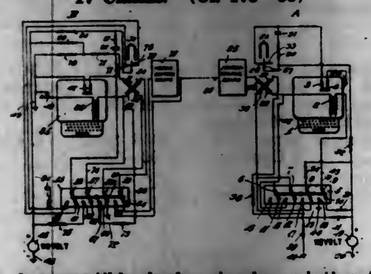
a releasing clutch, means for engaging the notches in the turntable and operatively connected with the clutch and actuated by said tool-carrying lever for effecting the disengagement of said means from a notch in the turntable and



the simultaneous closing of said clutch, and means on the tool-carrying lever and engageable with the turntable for the centering of a tool with respect to the mold on the opening of the clutch and the engagement of the first-named means in the notch in said table.

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2,120,254
**CONVERTIBLE DUPLEX SIMPLEX PRINTING TELEGRAPH SYSTEM**
Joseph N. Loop, Washington, D. C.
Application April 9, 1936, Serial No. 73,525
17 Claims. (Cl. 178—58)

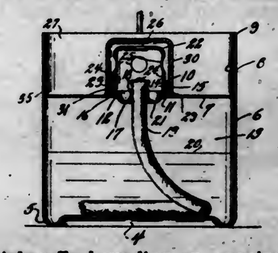


1. A convertible duplex-simplex printing telegraph system comprising a single line wire circuit, printing telegraph sets located at spaced intervals along said line wire circuit, each of said printing telegraph sets including a printer magnet circuit, and a transmitter contact circuit, relays interconnecting said circuits with the single line wire circuit, switching means connected with said relays, said printer magnet circuits and said transmitter contact circuits, said switching means being movable to either of two limiting positions for causing in one limiting position the transmitter contact circuit of one printer set to be effective through said relays on the printer magnet circuit of both of said sets, and in the other limiting position the transmitter contact circuit of one printer set to be effective through said relays only on the printer magnet circuit of another of said printer sets, through said single line wire circuit.

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2,120,255
**FLARE**
Wilbert J. McCleskey, Toledo, Ohio
Application April 27, 1936, Serial No. 76,714
3 Claims. (Cl. 67—55)

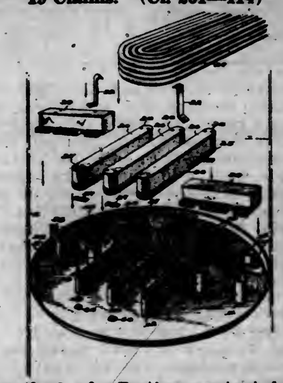
1. A flare having a vessel body upwardly terminating in a major outer flange periphery continuous with the body sides and an abutting minor inner flange having integral therefrom a countersunk top for the vessel body, and a concentric threaded section spaced from the outer free end



and peripherally bounding an opening into the vessel, a wick holder seated in the opening, and a burner providing perforate cap engaging the threading of said concentric section and anchoring the wick holder with the vessel.

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2,120,256
**PROCESS AND APPARATUS FOR GAS AND LIQUID CONTACT**
Carl E. Mensing, Somerville, N. J., assignor to Calco Chemical Company, New York, N. Y., a corporation of Delaware
Application March 13, 1935, Serial No. 10,921
19 Claims. (Cl. 261—114)



1. A method of effecting contact between a flowing stream of gas and a body of liquid which comprises re-circulating a current of the liquid over a horizontal surface in a closed circuit by the action of kinetic energy of a portion of the gas, another portion of the gas being passed in intimate contact with the liquid at selected areas in its path of re-circulation.

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2,120,257
**FUEL BURNER**
Elsear V. Michaud, Chicago, Ill., assignor of two-fifths to Raymond D. Schnoor, and one-fifth to Robert F. Miehle, Jr., both of Chicago, Ill.
Application January 15, 1932, Serial No. 587,338
6 Claims. (Cl. 158—79)

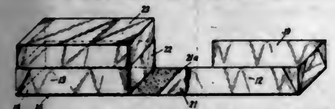
5. In a liquid fuel burner the combination of a burner tube, a conduit having a conditioning portion comprising nested inner and outer helical coils surrounding said burner tube in the region of its outlet end and having the ends thereof corresponding with the outlet end of the burner tube connected, the end of said inner coil which is remote from the outlet end of said burner tube

being connected with a source of liquid fuel supply, an outlet jet device connected with the end of the outer coil which is remote from the outlet end of the burner tube and said jet device being disposed remote from the outlet end of the burner tube to project fuel through the burner tube toward the outlet end thereof, and means responsive to excess pressure at the outlet jet end of the outer coil and effective upon the liquid in the conduit between the fuel inlet end of the inner coil and said source of supply to oppose backward movement of the liquid from the inner coil.



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2,120,258
**CONTAINER**
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application October 14, 1935, Serial No. 44,856
7 Claims. (Cl. 229—14)



1. A container of the class described having a base portion, integral side walls, and seamless corners, said base, side walls and corners being formed from a single blank and said side walls having folds therein flush with the inner surface of said side walls and having the upper edges thereof flush with the upper edges of said side walls, means for securing said folds to each other and to said side walls, and ribs joining said base and side walls to stiffen and strengthen the container.

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2,120,259
**ELECTRIC SIGN**
Robert L. Perry, Chicago, Ill.
Application January 16, 1937, Serial No. 120,864
10 Claims. (Cl. 40—130)



7. In a sign of the class described, a housing frame having a set of horizontal bars spaced one above another in front, and another set in the rear, lamp sockets slidably carried by said bars, and removable face display plates associated with said lamps and mounted slidably on the front bars, each of said plates and the corresponding sockets being movable conjunctively.

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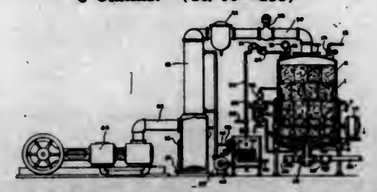
2,120,260
**ELECTRICAL ATTACHMENT FOR FLOOR TOOLS OR NOZZLES OF AIR-METHOD CLEANERS**
Daniel Benson Replogle, Berkeley, Calif., assignor to The Ohio Citizens Trust Company, Toledo, Ohio, a corporation of Ohio, as trustee
Application June 7, 1928, Serial No. 283,585
8 Claims. (Cl. 15—13)



1. An attachment unit for a cleaning tool having a floor engaging lip, comprising a casing, an electro-magnet carried by said casing having a vibrator arm also carried by the casing and carrying another lip for said tool, means for detachably connecting the casing to the tool and means for bringing electric current to the electro-magnet.

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2,120,261
**PROCESS FOR BLENDING FRUIT JUICES**
Floyd W. Robison, Detroit, Mich., assignor to Pure Fruit Juices, Inc., Detroit, Mich., a corporation of Michigan
Application September 27, 1935, Serial No. 42,543
3 Claims. (Cl. 99—155)

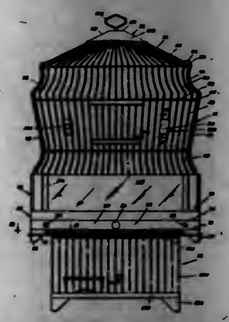


1. A method of blending non-free oxygenous, non-oxidizing gas-laden fruit juices of ripe fruit and maintaining said juices in a non-free oxygenous state, which comprises transferring said juices, in a frozen state, from containers to a process tank, then heating water in said process tank, coincident with a 29" sub-barometric pressure, thereby producing an active state of ebullition of said water, the rising vapors therefrom causing slow liquefaction of the solid juices, releasing occluded, non-oxidizing gas from said juices, which are drawn from the tank with such free oxygen as may remain, by the pumping action incident to maintaining the sub-barometric pressure, then admitting steam to the jacket surrounding the tank, to heat the liquid portion of the juices to 100° F., coincident with sub-barometric pressure of 29", thereby causing active ebullition of the entire juice content of the tank, then continuing said active ebullition until sufficient water vapor has been drawn from the tank to produce approximately two gallons of condensate, and then relieving the sub-barometric pressure imposed on the juice in the tank, by admitting sufficient non-oxidizing gas to restore atmospheric pressure, thereby blending non-free oxygenous, non-oxidizing gas-laden fruit juices, and maintaining them in a non-free oxygenous state.



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2,120,262
**BIRD CAGE**
Samuel C. Rodess, Huntington Park, Calif.
Application February 24, 1936, Serial No. 65,346.
12 Claims. (Cl. 119—17)



1. A bird cage assembly comprising a lower cage having an outwardly extending shelf at the top with a peripheral wire, transverse guides above the shelf, a removable wire grid slidable in said guides and having a portion extending over the shelf, an upper cage having a base molding with legs, said legs extending into said openings of the lower cage to center the two cages, one relative to the other, the upper cage having a removable floor plate slidably mounted in the lower portion of the base molding, and a removable pan supported on the floor plate whereby when the pan, the floor plate, and the grid are removed, a free passage is provided between the two cages.

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2,120,263
**SOUND-ON-FILM OPTICAL SYSTEM**
King Ross, Jackson Heights, Long Island, N. Y.
Application July 9, 1936, Serial No. 89,745
23 Claims. (Cl. 179—100.3)



1. Apparatus for recording sound upon talking motion picture film comprising a variable light source, varied according to a sound signal; a combination toric lens element situated beyond said light source, said combination toric lens having upon one optical face, a concave cylindrical surface ground and polished upon a convex cylindrical surface, the concave cylindrical component having a radius of curvature of from approximately $r=.025''$ to $r=.5''$ and the convex cylindrical component having a radius of curvature of from approximately $r=.5''$ to $r<\infty$ ($r$=less than infinity) the axis of the concave cylindrical component being 90 degrees rotated from the axis of the convex cylindrical component, the opposite optical face having ground and polished upon its surface a similar toric surface in which the axis of the convex component is parallel to the convex component on the first mentioned optical surface; an objective lens or lens system; a motion picture film of a type used in sound photography, and a means for moving said film at an approximately uniform rate.

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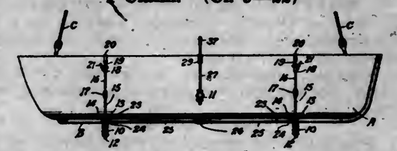
2,120,264
**STOP ON STRAP FOR ANTISKID DEVICES AND THE LIKE**
Adolph F. Roth, Wilkes-Barre, Pa.
Application October 17, 1935, Serial No. 45,395
4 Claims. (Cl. 152—14)



4. In a device of the character described, a metallic member having a concave side, a holding member attached to said concave side intermediate its edges, said holding member having a passageway therethrough in proximity to said concave side.

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2,120,265
**LIFEBOAT LAUNCHING DEVICE**
John F. Ryan, Baltimore, Md.
Application October 6, 1936, Serial No. 104,325
1 Claim. (Cl. 9—22)



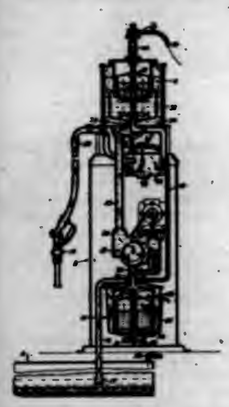
A life boat launching apparatus comprising a pair of clamp devices adapted to be removably secured at spaced points along the side of a life boat; each clamp device consisting of a wheel fork having a notched saddle for seating a keel ridge of a boat therein, a wheel mounted in the fork, a hook like member engageable with the upper side of the boat, a rod like member secured to and outwardly bowed from said saddle of said wheel fork for spanning the side of the boat, a sleeve member swiveled to said hook like member and detachably engaged over the free end of the rod like member, a releasable latch securing said rod like member and sleeve member in telescopic relationship and coupling means connecting said wheel forks consisting of a rod secured to each wheel fork and a turn buckle connecting the rods.

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2,120,266
**FLUID DISPENSING APPARATUS**
David Samiran, Dayton, Ohio
Application March 10, 1936, Serial No. 68,076
22 Claims. (Cl. 221—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a fluid dispensing system, segregator means for effecting an automatic segregation of fluids of different specific gravities, a source of fluid supply, fluid impelling means to feed said fluids from said source to said segregator means, fluid metering means, and fluid density responsive means communicatively connected between said fluid impelling means and said metering means for controlling the flow of a liquid component of

the residual fluid medium received from said segregator means to said metering means in ac-



cordance with a predetermined density and quantity of said component.

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2,120,267

**METHOD OF ENHANCING THE COLORABILITY OF CELLULOSIC FIBER**

Erik Schirm, Dessau, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application September 18, 1933, Serial No. 690,034. In Germany September 28, 1932

6 Claims. (Cl. 8—20)

1. Procedure for enhancing the colorability of natural and regenerated cellulose, which comprises treating the fiber with salts of bases of the pyridine type with strong acids in the presence of inert diluting agents, and simultaneously with compounds of the general formula

R—CO—R'

wherein R and R' mean hydrogen or any hydrocarbon radical, the said treatment involving heating at an elevated temperature at which the salts and compounds react, and unite with the cellulose.

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2,120,268

**PROCESS OF FORMING A FIBROUS CEMENT COMPOSITION**

Charles H. Schuh, Ridgewood, N. Y., assignor, by mesne assignments, to Bakelite Building Products Co., Inc., New York, N. Y., a corporation of Delaware

Application January 26, 1935, Serial No. 3,577

6 Claims. (Cl. 25—155)

1. The process of forming a cement-fibrous composition in a hollow chamber having an area of filtration and a depth at least several times the narrowest dimension of a cross-section thereof and closed at one end and open at the opposite end for the reception of a plunger which comprises establishing an aqueous mixture of cement and fibrous material in the chamber, subjecting said mixture to a series of impacts, said impacts producing a wedge type of compressive action to effect a reduction in the volume of the mixture whereby an effective accumulation of pressure is produced and a successive reduction in volume of the mixture is obtained without imposing a restraining influence thereon between impacts,



and continuing the said impacts until a composition of desired consistency has been produced.

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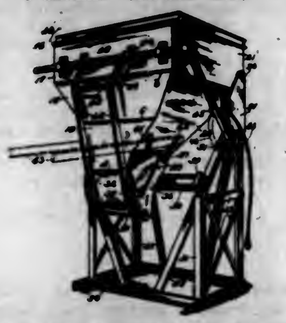
2,120,269

**HOPPER**

Francis P. Sloan, Scarsdale, N. Y.

Application September 11, 1935, Serial No. 40,011

9 Claims. (Cl. 221—144)



1. A transportable hopper of the class usable for supplying concrete mix to local receptacles and of the type having an elevated reservoir on a frame and an outlet chute of downward-frontward incline affording a frontward discharge to the receptacles, and such chute having a curved gate swingable upwardly about a rear axis to open the outlet, and the lower-rear and upper-front walls of the outlet chute each having an upward-rearward incline; and said hopper characterized in that the entire hopper front wall including said outlet chute upper-front wall has a contour with a reentrant angle forming a space to receive the upper edge of the upswung gate, but with the apex of said reentrant angle no further rearward than conveniently to accommodate the upper edge of such fully opened gate, such apex being thereby positioned substantially further forward than the front edge of the outlet lower-rear wall, whereby there is left a vertical column of enclosed material of substantial fore-and-aft thickness and of the full depth of the hopper wholly unsupported when the gate is retracted, thereby effectively starting the downward-frontward discharge of the material to the receptacle.



2,120,270

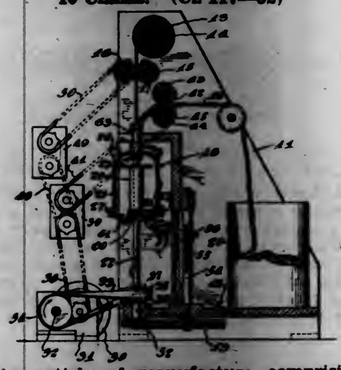
**WIRE HAVING A COVERING OF FIBROUS MATERIAL**

Jesse Le Roy Tucker, Newark, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application February 27, 1935, Serial No. 8,480

Renewed March 29, 1937

10 Claims. (Cl. 117—52)



1. An article of manufacture comprising a wire and a covering therefor comprising an unwoven strand of glass fibres wrapped around and directly over the wire, the average diameter of the fibres being not more than about eight microns.

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2,120,271

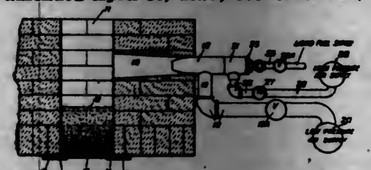
**FLUID FUEL BURNING BLACKSMITH'S FORGE**

Everett A. Williames, United States Navy

Application April 11, 1935, Serial No. 15,857

7 Claims. (Cl. 158—1)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A fluid fuel burning blacksmith's forge, comprising a forge body having a fire pot opening extending vertically therethrough, at least a proportion of whose volume may be varied by use, means for opening and closing the lower end of the fire pot opening, a substantial volume of refractory material filling a portion of the lower end of the fire pot opening and adapted to be varied to maintain uniform the volume of the fire pot opening above the filling, said body being provided with a transverse opening extending through one side of the body and into the fire pot opening at a point intermediate its top and the filling and adapted to be connected to a burner.

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2,120,272

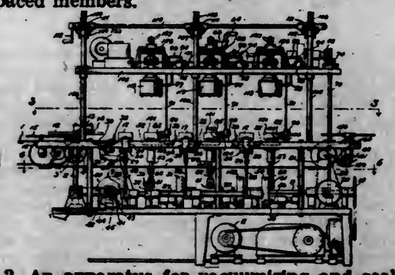
**VACUUMIZER**

John J. Williams and Joseph Bauman, Wheeling, W. Va., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia

Application July 11, 1935, Serial No. 30,930

28 Claims. (Cl. 226—82)

1. An apparatus for vacuumizing and sealing containers, including a belt conveyer, a plurality of raiser plates, spaced members for simultaneously initiating the delivery of a plurality of containers from said conveyer to said raiser plates, the containers adapted to have closures loosely mounted thereon, a plurality of vacuum heads, means for simultaneously operating the plurality of raiser plates to lift the containers into sealing relation with the vacuum heads, means for vacuumizing the containers, means for moving the closures to sealing position while the containers are vacuumized, and means for returning the containers to the conveyer at points spaced laterally of said spaced members.



2. An apparatus for vacuumizing and sealing containers, including a belt conveyer, a plurality of plates, spaced members for simultaneously initiating the delivery of a plurality of containers from said conveyer to said plates, the containers adapted to have closures loosely mounted thereon, a plurality of vacuum heads, means for causing relative movement between the vacuum heads and plates to simultaneously bring the plurality of containers into sealing relation with the vacuum heads, means for vacuumizing the containers, means for moving the closures to sealing position while the containers are vacuumized, and means for returning the containers to the conveyer at points spaced laterally of said spaced members.

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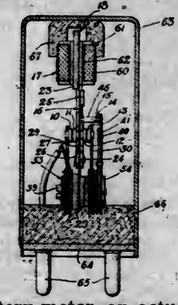
2,120,273

**VIBRATORY MOTOR DEVICE**

Edward L. Barrett, La Grange, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois

Application October 12, 1936, Serial No. 105,297

7 Claims. (Cl. 200—90)



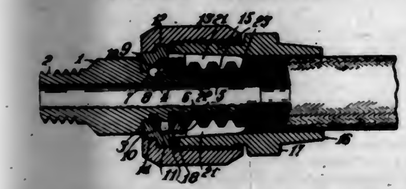
1. In a vibratory motor, an actuating electromagnet including an electrically conductive wire disposed in the form of a coil, means including a pair of cooperating make and break contacts for periodically connecting said coil to a source of current, and means including a conductive sheath disposed about said wire and insulated therefrom substantially throughout its length for minimizing arcing at said contacts.

2,120,274
**LOADING MACHINE**
Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 20, 1935, Serial No. 50,624
Renewed November 22, 1937
2 Claims. (Cl. 198—8)



1. In a loading machine, a gathering and loading element comprising an inclined endless conveyer, gathering means extending downwardly of said inclined conveyer on opposite sides thereof and a plate disposed forwardly of and below the front end of said inclined conveyer, the forward end of said plate being adapted to engage the ground and the portion of said plate between said gathering means forming a channel substantially below the path of movement of said gathering means and open to said endless conveyer and having a bottom which extends rearwardly of and is below the path of movement of said endless conveyer at its forward turning point.

2,120,275
**DETACHABLE HOSE COUPLING**
Irving Cowles, Detroit, Mich., assignor to himself and R. W. Lotz, Chicago, Ill., as trustees
Application September 16, 1936, Serial No. 101,090
9 Claims. (Cl. 285—86)

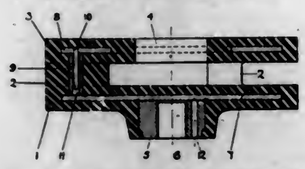


1. In a hose coupling of the type specified, an externally tapered sleeve equipped with slots each extending longitudinally from one end thereof to a point adjacent to its other end, alternate slots extending from respectively opposite ends of said sleeve, the portions of the latter aligned with said slots being appreciably thinner and weaker than the next adjacent portions thereof for promoting ready contraction of the said sleeve for the purpose specified.

2,120,276
**METAL PICKLING**
Charles H. Grant, Horsham, Pa.
No Drawing. Application September 28, 1934, Serial No. 745,945
6 Claims. (Cl. 148—8)
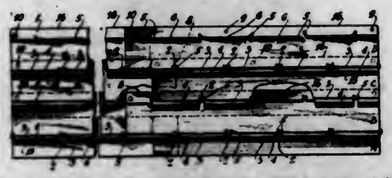
1. The process of treating a ferrous metal article to remove scale, rust and the like, which consists in treating the said metal article with only a single mineral acid solution for a time sufficient to effect pickling, and thereafter removing said pickled metal directly into a dilute alkali phosphate solution as a washing treatment, removing the washed metal article from said solution and drying the same.

2,120,277
**RUBBER COVERED IMPELLER**
George A. H. Grierson, Toronto, Ontario, Canada, assignor to Canadian Allis-Chalmers, Limited, Toronto, Ontario, Canada, a company of Canada
Application September 26, 1935, Serial No. 42,258
In Canada April 26, 1935
3 Claims. (Cl. 103—114)



1. A closed type impeller for a centrifugal pump comprising a metal skeleton formed of a metal disk, a separate metal ring, metal spacer members therebetween and means for securing said metal ring to said metal disk in spaced relation thereto, said means comprising solely a body of rubber molded about said skeleton and bonded to the metal parts thereof.

2,120,278
**STRIP ROOFING WITH SHINGLED EFFECT**
Kenneth S. Guiterman, Hewlett Bay Park, Hewlett, N. Y.
Application January 30, 1937, Serial No. 123,110
6 Claims. (Cl. 108—17)



1. A covering for a roof or the like comprising a series of horizontally arranged, comparatively long, narrow strips of sheet material, each upper strip overlapping the next preceding lower strip but not the lower strip once removed, fastening devices passing through the upper margin of said strips to secure them to the underlying supporting surface, the body portions of each strip and its upper and side margins being substantially flat and lying flat against the supporting surface, the lower margin of each strip having recesses therein and having upstanding flange-like members between said recesses, each strip having near its upper margin a plurality of spaced fastening clips secured thereto on the upper surface of the strip, said clips overlying the lower margin of the overlying strips, each strip simulating a single course of covering elements.

2,120,279
**BOLT ANCHOR**
George O. Hiers, Brooklyn, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
Application December 20, 1935, Serial No. 55,320
12 Claims. (Cl. 72—105)

6. In anchorages of the kind comprising a tapered collar to be received on a bolt and confined in the anchor hole and an expansible obturating ring expanded by being driven onto the collar and held thereon by a ring of caulking lead,



the improvement which consists in said tapered collar being fluted and both said rings being



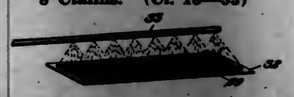
arranged and mounted for axial movement upon and along the fluted surface thereof.

2,120,280
**TENNIS RACKET AND THE LIKE**
William B. F. Hall, Fort Wayne, Ind.
Application June 22, 1936, Serial No. 86,471
8 Claims. (Cl. 273—75)



1. A racket or similar article embodying therein an object striking portion and a handle portion, there being a longitudinal passageway in the handle portion which is closed at the free end thereof and there being openings in the handle portion communicating with said passageway, said passageway and openings being so relatively arranged therein that when the racket is swung in one direction in a plane at a right angle to one face of the object striking portion, air enters the handle from a point remote from the free end of the handle for discharge out through the grip portion of the handle and when said racket is swung in the other direction, air enters the handle through the grip portion for a discharge at a point remote from the free end of the handle.

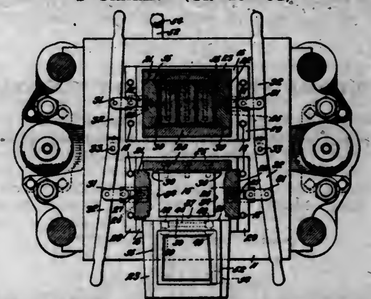
2,120,281
**METHOD OF PRODUCING PERMEABLE BODIES**
Kenneth E. Hunt, Paquannock, N. J., assignor to American Hard Rubber Company, New York, N. Y., a corporation of New York
Application July 31, 1936, Serial No. 93,721
8 Claims. (Cl. 18—53)



1. The method of producing a permeable body of the character described comprising, wetting porous, dry, hard, non-swelling particles with sufficient water to penetrate into the particles and close the pores thereof, mixing the wetted particles with a solid vulcanizable rubber-like binder of sufficient quantity to hold the particles together but insufficient to interfere substantially with the porosity of the particles, forming the mixture into a body of the desired shape, soaking the body in water until it absorbs enough to sink in water and then vulcanizing the body immersed in water in the presence of steam.

7. In the method of producing a permeable body in flat sheet form of the character described, the steps of preparing a permeable sheet consisting of porous particles and a vulcanizable rubber-like binder, laying the sheet flat against a metal slab, spraying the sheet with water at a temperature of about 100° F. to 210° F. until the air in the sheet is replaced by water, smoothing the sprayed sheet flat against the slab to drive out any air between the sheet and the slab, immersing the slab and sheet in a bath of water and vulcanizing the sheet in that condition with steam at about 308° F. for about four hours.

2,120,282
**MOLD FOR PRESSES**
Howard B. Klippel and Charles H. Sorrick, Jr., Akron, Ohio, assignors to American Hard Rubber Company, New York, N. Y., a corporation of New York
Application March 24, 1936, Serial No. 70,604
4 Claims. (Cl. 18—34)

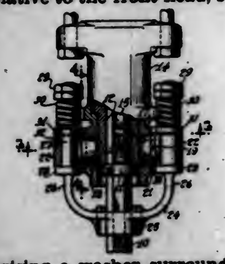


1. A mold for presses of the character described having a platen, said mold comprising a bottom plate mounted on the platen, a stationary rear wall, two end walls slidable into and out of operative position, and a front wall, said walls rising from the edges of the bottom plate to form tight joints at their lower edges therewith when in operative molding position, said front wall being pivoted at its lower end at a point below the top surface of the bottom plate and its lower edge engaging the platen when said wall is in upright position, the pivot point of said front wall being nearer the front surface of the front wall than the rear surface thereof and being substantially the same distance from the bottom edge of the front wall as it is from the front surface thereof, the lower front and rear corners of the front wall being rounded so that the front wall may be swung outwardly and downwardly away from the front edge of the bottom plate.

2,120,283
**TOOL RETAINER**
Earl B. Lear and Alfred G. Slatcher, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application August 5, 1937, Serial No. 157,508
8 Claims. (Cl. 121—32)

1. In combination with a front head and a collared working tool supported therein, a retainer member having a yoke portion adapted to underlie the collar and having parallel arms extending upwardly therefrom along opposite sides of the front head, said front head having a pair of axially aligned transverse bores, a pair of trunnions mounted for turning movement in said bores, said trunnions having bores in which the retainer member arms are mounted for sliding

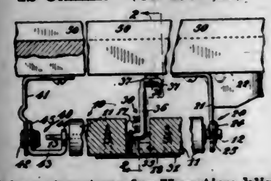
movement, means limiting sliding movement of the arms relative to the trunnions and releasable means for locking the trunnions against pivotal movement relative to the front head, said locking



means comprising a washer surrounding one of the arms of the retainer member, and a cam element fixed to the front head, said washer being held in engagement with said cam element.

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2,120,284
**TILT BAR STRUCTURE FOR VENETIAN BLINDS**
Hans K. Lorentzen, Montclair, N. J.
Application March 27, 1937, Serial No. 133,314
12 Claims. (Cl. 156—17)

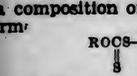


1. A tilt bar structure for Venetian blinds, comprising: a continuous slat having a recess between its ends, a coupling member affixed to one end of the slat, a pintle affixed to the other end of the slat, a fitting projecting into said recess and comprising a supporting bearing, and a tension link pivoted to said fitting and detachably assembled therewith.

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2,120,285
**SECONDARY BUTYL AND OTHER DIXANTHOGENS**
Merrill W. MacAfee, Berkeley, Calif.
No Drawing. Application September 17, 1935, Serial No. 40,930
5 Claims. (Cl. 260—16)

1. As a composition of matter, a dixanthogen of the form

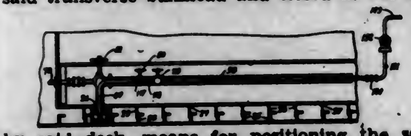


where R and R' are the same or different alkyl hydrocarbon radicals each of at least four carbon atoms and the O atoms are bonded to a C atom to which only a single H atom is bonded, said dixanthogen being liquid at ordinary temperatures.

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2,120,286
**BARGE**
William S. Macdonald, West New Brighton, N. Y., assignor to Lee and Simmons, Incorporated, New York, N. Y., a corporation of New York
Application May 23, 1936, Serial No. 81,393
6 Claims. (Cl. 114—74)

1. In a tank barge, a hull, a deck therefor, a substantially centrally disposed transverse bulkhead forming a common end for a plurality of tanks disposed forwardly and aft from said bulkhead and serving as a transverse brace for said hull, U-shaped troughs attached at one end to said transverse bulkhead and closed at the top



by said deck, means for positioning the said troughs in the hull comprising supporting saddles and spacing bars permitting expansion of the troughs independently of the hull and a closure for the fore and aft ends of the troughs whereby said tanks are formed.

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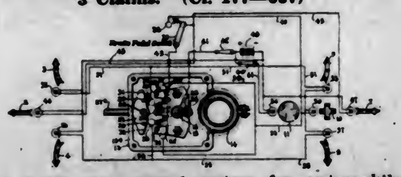
2,120,287
**PRODUCTION OF SODIUM CARBONATE MONOHYDRATE**
Robert Burns MacMullin, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application June 15, 1935, Serial No. 26,711
11 Claims. (Cl. 23—63)

1. In the manufacture of sodium carbonate monohydrate, the improvement which comprises decomposing an aqueous solution containing sodium chloride and sodium bicarbonate with steam to form an aqueous sodium chloride solution containing sodium carbonate, and precipitating sodium carbonate monohydrate from this solution by the addition of ammonia in proportion less than that precipitating sodium carbamate.

6. The method of producing sodium carbonate monohydrate which comprises forming an aqueous solution containing sodium chloride and sodium bicarbonate, heating the solution to decompose the sodium bicarbonate contained therein, subsequently subjecting the solution to the action of ammonia to precipitate sodium carbonate monohydrate, and separating the precipitated sodium carbonate monohydrate from the residual solution.

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2,120,288
**DIRECTION INDICATING SYSTEM**
James P. McCready, New York, N. Y.
Application May 28, 1936, Serial No. 82,193
3 Claims. (Cl. 177—337)



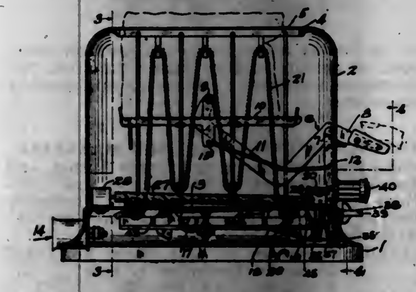
1. A direction signal system for automobiles comprising a signalling unit provided with visual signals to indicate respectively straight ahead driving, to warn of slowing down or stopping, and turning to the right and left, an individual electric lamp for illuminating each signal, a circuit for each lamp provided with a source of electricity, a switch common to said circuits operated by turning the steering wheel and provided with means for completing the circuit to the warning signal lamp when the steering wheel is slightly turned from the straight ahead driving position and then the circuit to the right or left



direction signal lamp when the steering wheel is correspondingly turned to a greater degree, said switch being also provided with means for partially closing the circuit of the straight ahead signal when the steering wheel is in straight ahead driving position, a second switch provided with means for completing the partly closed circuit to the straight ahead signal lamp and also with means for completing the circuit to the warning signal lamp when the wheel is in straight ahead driving position.

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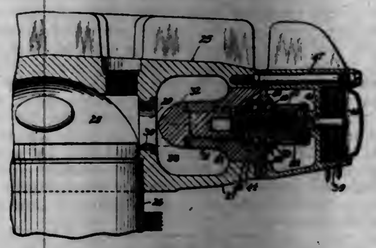
2,120,289
**ELECTRICAL APPARATUS**
Paul J. McCullough, St. Louis, Mo., assignor to Joseph Pavelka, Sr., St. Louis, Mo.
Application August 31, 1936, Serial No. 98,699
16 Claims. (Cl. 219—19)



2. In combination, an air valve, an energy-consuming heater, a thermostat in the path of air passing through said valve, and a connection between said thermostat and said valve and controlling the supply of energy to said heater for opening said valve for the passing of air therethrough when said thermostat is heated to a predetermined degree.

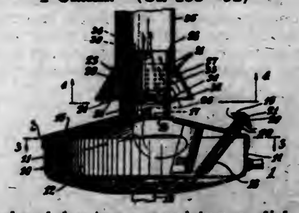
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2,120,290
**ADJUSTABLE COMBUSTION CHAMBER ENGINE**
Andre J. Meyer, Lexington, Ky., assignor to The Reed Propeller Co., Inc., a corporation of New York
Application April 21, 1937, Serial No. 138,089
6 Claims. (Cl. 123—48)



1. In a cylinder head having a port, a closed hollow extension thereon, the hollow communicating with the cylinder head through said port, valve means movable to open and close said port, said valve means having a stem, means urging said valve toward a port closing position, selectively operable, opposed, one-way clutches for holding said valve in port opening or port closing positions.

2,120,291
**ORCHARD HEATER**
Lake O. Morin, Chattanooga, Tenn.
Application November 5, 1935, Serial No. 48,303
1 Claim. (Cl. 158—91)



An orchard heater comprising a dish-shaped burner receptacle adapted to contain a relatively small quantity of liquid fuel, a cover for said receptacle having an outlet opening, a combustion unit associated with said opening, an imperforate down-draft tube extending into said receptacle adjacent a side wall thereof and terminating in a single opening closely above the normal operating level of said fuel, and an arcuate baffle extending downwardly from said cover and across said burner receptacle intermediate said down-draft tube and said outlet and terminating closely above the normal level of said fuel, said baffle being positioned to provide a space between said baffle and the surface of said fuel adjacent the outlet of said down-draft tube and to spread a current of primary air across substantially the entire surface of said fuel.

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2,120,292
**VENETIAN BLIND**
Julius Nisenson, Brooklyn, N. Y., assignor to Master Venetian Blind Hardware Corporation, New York, N. Y., a corporation of New York
Original application May 1, 1935, Serial No. 19,184. Divided and this application November 26, 1935, Serial No. 51,637
11 Claims. (Cl. 156—17)



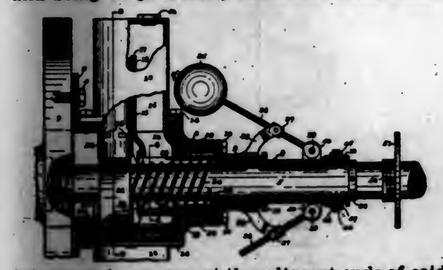
1. A Venetian blind head-bar or casing having a vertically disposed projection proximate an end thereof, in combination with a bracket for supporting the end of said head-bar or casing having the projection aforesaid, said bracket including a horizontal flange having a transversely directed open-ended slot for engaging the said projection on the head-bar or casing.

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2,120,293
**CHANGE-SPEED DRIVE TRANSMISSION**
Herbert Messenger, Claysville, Pa.
Application January 23, 1937, Serial No. 122,080
1 Claim. (Cl. 192—60)

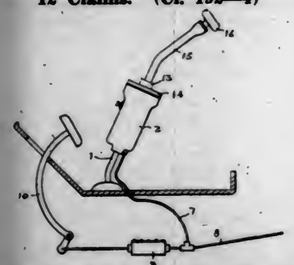
In a fluid controlled drive transmission for a power apparatus including a revoluble element, the combination of a housing for the fluid secured to said element, a driven shaft extending into said housing, a plurality of radially disposed casings fixed to said housing, each of said casings being provided with a cylindrical bore and with a fluid passage communicating with outer of the latter, a circular cam eccentrically fixed on said shaft and being disposed in said housing, a plunger slidably mounted for reciprocal movement in each of said bores and having its inner end seated

on the periphery of said cam, a valve barrel fixed in said housing and surrounding said shaft, said barrel having passage extensions communicating with the inner ends of respective fluid passages, a closure valve longitudinally shiftable in said barrel and surrounding said shaft, interengaging means for causing said valve to rotate with said barrel, a sleeve revolubly mounted on said shaft and being longitudinally shiftable on the latter,



interengaging means at the adjacent ends of said valve and said sleeve for causing the latter to rotate with said valve, a bearing for said sleeve removably secured to the rear end of said housing, and automatically operating means controlled by centrifugal action supported by said bearing and having pivotal connections with said sleeve for operating the latter to shift said valve in said barrel to close the communications of said passage extensions with said housing.

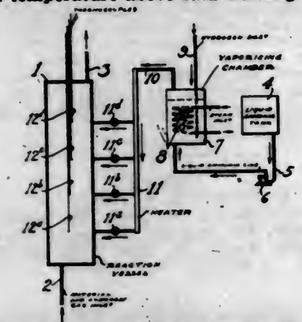
### 2,120,294
### HYDRAULIC BRAKE MECHANISM
**John A. Perry, Toronto, Ontario, Canada**
**Application August 28, 1936, Serial No. 98,311**
**12 Claims. (Cl. 192—4)**



1. In a hydraulic brake mechanism, the combination with the hydraulically-operated brake and the gear shift lever, of a hydraulic chamber mounted on the gear shift lever and connected with the brake, and spirally threaded means conveniently rotatable from the upper end of the gear shift lever to create a hydraulic brake-applying pressure in said chamber.

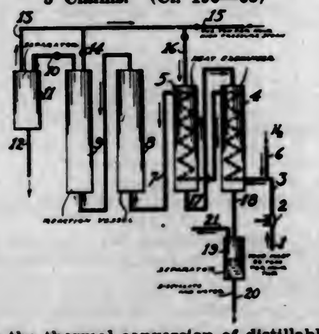
### 2,120,295
### DESTRUCTIVE HYDROGENATION OF CARBONACEOUS MATERIALS
**Mathias Pier, Heidelberg, and Ernst Donath, Mannheim, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware**
**Application August 6, 1935, Serial No. 34,910**
**In Germany August 11, 1934**
**2 Claims. (Cl. 196—53)**

1. In the destructive hydrogenation of carbonaceous materials by the action of hydrogen at a working temperature between 300° and 600° C. under an elevated pressure of at least 20 atmospheres and in the presence of a solid hydrogenation catalyst, the step of eliminating undesired rises in temperature above said working temper-



ature by adding ammonia to the reaction space in such an amount and for such a time that the temperature is reduced again to the said working temperature.

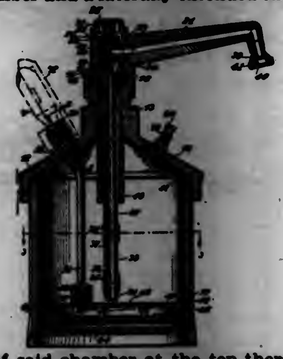
### 2,120,296
### HEATING UP CARBONACEOUS MATERIAL
**Mathias Pier, Heidelberg, and Eugen Anthes, and Hanns Schappert, Ludwigshafen - on - the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany**
**Application November 27, 1935, Serial No. 51,826**
**In Germany December 1, 1934**
**5 Claims. (Cl. 196—63)**



1. In the thermal conversion of distillable carbonaceous materials in one or more reactors the step of heating up the initial carbonaceous materials to the temperature required for the said thermal conversion by indirect heat exchange relation with at least part of a prior charge of still hot reactants to which after issue from the last reactor a higher temperature has been imparted than they had in the said conversion, by a medium which has been heated by a foreign source of heat to a higher temperature than these reactants have at the place at which the said medium is supplied.

### 2,120,297
### DEVICE FOR PRODUCING AERATED EXPANDED FOOD PRODUCTS
**Marshall C. Reinecke, Brooklyn, N. Y., assignor, by mesne assignments, to Food Devices Incorporated, New York, N. Y., a corporation of Delaware**
**Application August 15, 1935, Serial No. 36,338**
**13 Claims. (Cl. 261—122)**

1. In a device adapted for an aerated expanded food product, in combination, a hermetically closable upright container forming a chamber adapted to contain a flowable food material permeated with a gas under pressure and with an extra supply of said gas under pressure within said chamber, a conduit adapted for dispensing said material from said chamber, a normally closed manual valve in control of said conduit, said conduit comprising a vertical tube within said chamber and a laterally extended tube at the



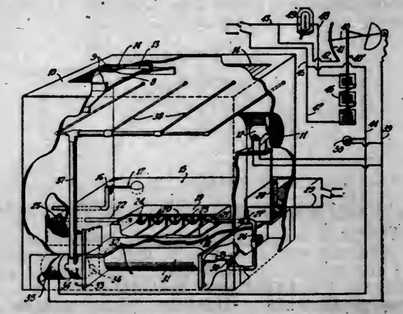
outside of said chamber at the top thereof, said vertical tube being open below the normal level of said liquid, said vertical tube being formed of jointed sections having opposed ends, a sleeve interposed between the opposed ends of said sections and extending across said tube, the opposed ends of said sections being externally screw-threaded, and an internally screw-threaded coupling for said sections adapted to draw their opposed ends together upon said sleeve.

### 2,120,298
### METHOD OF REFINING IRON AND STEEL
**Herman B. Schulz, Chicago, Ill.**
**No Drawing. Application January 20, 1936, Serial No. 59,997**
**2 Claims. (Cl. 75—57)**

1. The process of making iron or steel which consists in producing in a suitable furnace a molten bath of iron or steel, said molten bath of iron or steel being accompanied by the production of the usual slag tapping the furnace into a transfer ladle, adding the final deoxidizers such as silicon, zirconium and aluminum, and then reladling the charge of molten iron or steel by pouring the contents over the lip of the transfer ladle to a second ladle, whereby contact between the slag and molten iron or steel takes place for absorbing the inclusions in the iron or steel formed by the addition of said final deoxidizers.

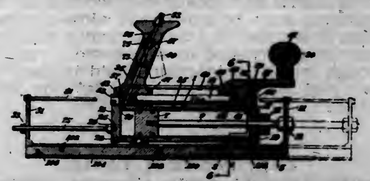
### 2,120,299
### COOLING APPARATUS
**Nicola Stramaglia, Chicago, Ill.**
**Application August 24, 1937, Serial No. 160,616**
**6 Claims. (Cl. 62—124)**

1. A cooling unit comprising a housing providing a tank in its lower region, electrically operated means for circulating air through said housing, a quantity of water disposed in the tank portion of the housing, electrically driven circulating means for spraying said water across the path of movement of air in the housing, and means for cooling said water and including an expansion chamber disposed within the body of water, said chamber having an exhaust line communicating exteriorly of the housing, a perforate expansion pipe within the chamber, a tank of liquid refrigerant under pressure removably supported in said housing, and duct means including an electrically operated expansion valve connecting said tank and said expansion pipe, thermo-



static switch means operable by temperature changes in said water for operating said expansion valve, and thermostatic control means operably responsive to temperature changes in the air being cooled for controlling said pump means and said air circulating means.

### 2,120,300
### RECIPROCATING MACHINE TOOL
**Eural Wade Taylor, Arp, Tex.**
**Application September 15, 1936, Serial No. 100,814**
**11 Claims. (Cl. 121—3)**

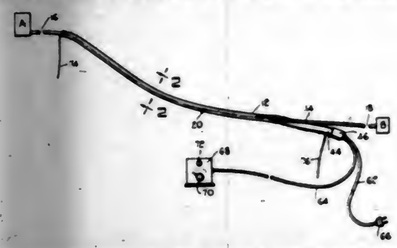


1. In a reciprocating machine tool, a cylinder provided with heads at its two ends and having bearings on its bottom surface, a tool carriage of greater length than said cylinder mounted under said cylinder so as to slide on said bearings, said carriage having means for attaching an abrading tool to the bottom thereof, upright members at the ends of said carriage, a piston in said cylinder, a piston rod extending therefrom through a stuffing box in one of said cylinder heads and connected with one of said upright members, and guide means projecting from the other cylinder head through the other one of said upright members.

### 2,120,301
### FLEXIBLE TUBE WARMER
**Paul Tishman, Scarsdale, N. Y.**
**Application April 15, 1936, Serial No. 74,425**
**18 Claims. (Cl. 219—46)**

3. A flexible tube heater for medical purposes or the like, comprising a long narrow flexible jacket, said jacket being readily and quickly openable longitudinally and provided with slide fastener elements along the edges thereof and fully separable end stops at the ends thereof, a slider for opening or closing the slide fastener, whereby the jacket is adapted to be readily placed around a tube intermediate the ends of the tube

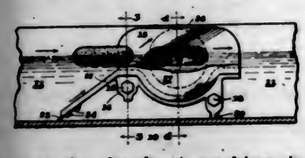
without necessitating disconnection of the ends of the tube from the devices to which the tube is



ordinarily connected, and resistance wiring in said jacket.

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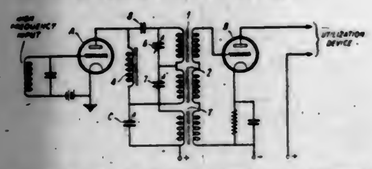
2,120,302
**COOKING MACHINE**
George E. Tubbs, Hillsdale, Mich., assignor to F. W. Stock & Sons, Inc., Hillsdale, Mich., a corporation of Michigan
Application October 30, 1937, Serial No. 171,833
9 Claims. (Cl. 53—7)



1. A turner for doughnut machines in which doughnuts may be progressed along a way by means of the flow of a cooking liquid, said turner comprising a twisted duct disposed in said way through which the cooking liquid is adapted to flow, said duct having a well at the bottom thereof.

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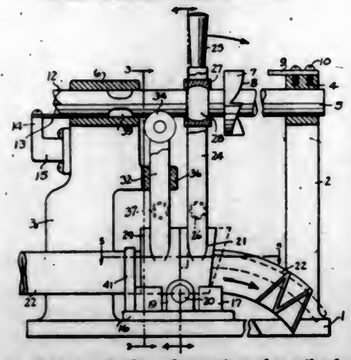
2,120,303
**GAIN CONTROL DEVICE**
Günther Ullbricht, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 21, 1937, Serial No. 138,112
In Germany April 3, 1936
5 Claims. (Cl. 250—20)



1. An electrical circuit having an alternating current rectifier, a resonant circuit connected to the output side of said rectifier and having a natural frequency which renders it variably responsive to modulation-frequency currents from said rectifier, means including a transformer having a primary winding in said resonant circuit and having a saturable magnetic core for varying the frequency response characteristic of said resonant circuit in dependence upon the amplitude of the direct current component of the energy traversing said primary winding, a second transformer whose primary is in circuit with the primary of the first said transformer, and means including a blocking condenser for excluding direct current components from the primary of the second said transformer only.

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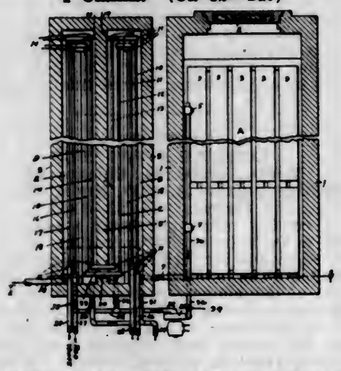
2,120,304
**INCHING MACHINE**
Harley T. Wheeler, Dallas, Tex.
Original application July 18, 1932, Serial No. 623,301, now Patent 2,006,377, dated July 2, 1935. Divided and this application June 29, 1935, Serial No. 29,130
12 Claims. (Cl. 154—1)



1. A device of the character described comprising a base, spaced stationary jaws on said base, upwardly flaring cam faces on said jaws, a pair of holding jaws, downwardly tapered faces thereon to engage between said stationary jaws, means to move said holding jaws toward said stationary jaws to gripping position, spring means to move said holding jaws to releasing position, movable jaws adjacent said holding jaws pivoted to swing toward or away from said holding jaws, means on said movable jaws to engage said stationary jaws to close said movable jaws as the latter are swung away from said holding jaws and a lever to swing said movable jaws.

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2,120,305
**WINE-COOLING APPARATUS**
Wilbur Worth Williamson, Oakland, Calif.
Application September 16, 1935, Serial No. 40,757
4 Claims. (Cl. 62—147)

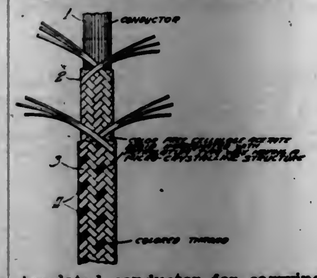


1. Wine-cooling apparatus comprising an ice storage vault, a water trough with a plurality of wine-cooling pipes therein, a pump and spray nozzle arranged for spraying water over ice in the vault, means for continually draining ice in said vault free of water and for running the ice water from the vault to one end of the trough, and means for taking the water from the other end of the trough for delivery to the intake of said pump, means for introducing cooling water from another source to said trough as desired, and valve means for controlling the flow of said cooling water to said trough and the flow of water to said pump.



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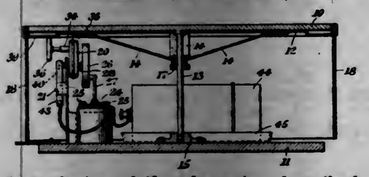
2,120,306
**WIRE COVERING FOR HIGH FREQUENCY CIRCUITS**
Raymond G. Zender, Chicago, Ill., assignor to Lenz Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application October 30, 1935, Serial No. 47,445
5 Claims. (Cl. 173—264)



1. An insulated conductor for carrying radio frequency currents, comprising a wire covered with a cellulose acetate textile, the textile being impregnated with a petrolatum type wax which is substantially devoid of acid and which has a melting point of at least 155° F., said wax having a microcrystalline structure, the insulation resistance of the impregnated textile covering being above 10,000 megohms at 120° F. and 90% relative humidity.

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2,120,307
**DISPLAY DEVICE**
Donald R. Baker, New York, N. Y., and Henry P. Nordmark, Grand Rapids, Mich., assignors to Kay Displays, Inc., New York, N. Y., a corporation of New York
Application August 21, 1935, Serial No. 37,144
3 Claims. (Cl. 172—126)



2. In a device of the character described, including a turntable, the combination of a turntable actuator comprising a frame, an arm pivoted on said frame for movement in a plane substantially normal to the plane of the surface of the turntable, a drive wheel operatively supported adjacent the free end of said arm on an axis substantially coincident with a radius of said table, a prime mover supported on said frame and arranged to drive said wheel, and means to yieldably urge said wheel into driving engagement with said table.

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2,120,308
**BRACELET OR OTHER JEWEL**
Georges Bezault, Juvisy, France, assignor to Cartier, Inc., New York, N. Y., a corporation of New York
Original application February 16, 1937, Serial No. 125,955. Divided and this application March 26, 1938, Serial No. 198,224. In France February 25, 1936
4 Claims. (Cl. 63—9)



2. An article of jewelry, and especially a bracelet, which comprises, in combination, a series of chambered elements pivotally connected to one another about parallel axes so as to form a jointed band with openings in the elements at the joints, cooperating stops formed on the adjacent ends of the respective elements arranged in such manner that when said respective stops are in contact, the whole of said elements forms a split annular structure, which can be opened by forcing the ends thereof from each other, and leaf springs positioned within certain elements and extending through said openings into adjacent elements and bearing against the walls of the latter for urging said respective stops against each other.

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2,120,309
**METHOD OF APPLYING NONCORROSIVE SURFACES TO PIPE AND THE LIKE**
Francis L. Carson, San Francisco, Calif., assignor to American Concrete and Steel Pipe Company, a corporation of California
Application November 11, 1935, Serial No. 49,228
1 Claim. (Cl. 91—68)



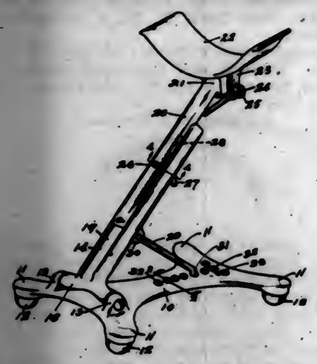
The method of forming a corrosion-proof lining in a concrete pipe, the inner surface of which consists of the inert powder resulting from the setting of the concrete, which consists in applying to said inner surface a mixture of vinyl resinoids, a highly volatile solvent and an aggregate, and causing the solvent to rapidly evaporate at the exposed surface to form an impervious skin on its exposed surface which prevents further evaporation at said surface, whereby the solvent and resin retained below the surface is caused to infiltrate through the powder and into the pores of the pipe and a fusion between the lining and the body of the concrete takes place.

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2,120,310
**ADJUSTABLE HEADREST**
Eli L. Duncan, Spokane, Wash.
Application April 15, 1935, Serial No. 16,402
1 Claim. (Cl. 27—13)

In a headrest, the combination of an angularly adjustable horizontally pivoted arm having a longitudinal slot, laterally spaced flanges extending alongside said slot and forming a face-groove, a slidable arm mounted in said groove and terminating in a backwardly-turned perforated-head, a clamp-bolt mounted in the arm and passed through the groove and a clamp-nut

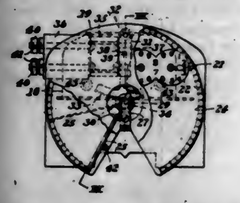
for the bolt, a head-supporting member having a pair of perforated ears straddling the head, a



horizontally extending pivot-bolt passed through said head and ears, and a clamp nut on said pivot-bolt.

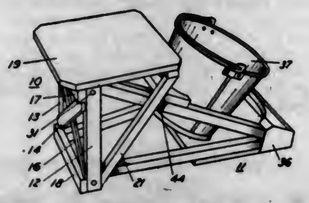
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2,120,311
**DEMAND METER UNIT FOR WATT-HOUR METERS**
Edward L. Keller, Pittsburgh, Pa.
Application July 1, 1937, Serial No. 151,356
2 Claims. (Cl. 171—34)



2. A register unit for watt-hour meters including a frame, the frame having a base portion adapted to be secured to a watt-hour meter in predetermined positional relation thereto, a register face carried by the frame and having watt-hour indicating dials, pointers for the dials, a gear train mounted in the frame and actuating the pointers, the train including a gear adapted to mesh with a driven gear of the watt-hour meter when the frame is positioned thereon whereby the pointers indicate the watt-hour consumption, a maximum demand scale carried by the frame, a maximum demand-indicating pointer mounted to swing over the scale but having a drag so that it tends to remain stationary at any position to which it is moved, means for moving the pointer, a thermo-responsive element mounted on the frame, means connecting the pointer-moving means and the thermo-responsive element so that the maximum demand-indicating pointer is moved over the maximum demand scale upon heating of the thermo-responsive element but not on cooling thereof, electrical terminals mounted on the frame and adapted for connection to the electrical circuit of the watt-hour meter, at least one of the terminals being electrically insulated from the frame, and connections extending from the terminals whereby to heat the thermo-responsive element in accordance with the current traversing the meter and indicate a maximum current demand.

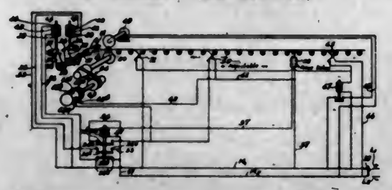
2,120,312
**MILKING STOOL**
Park Lester Newbold, Cedar Rapids, Iowa
Application April 19, 1937, Serial No. 137,627
5 Claims. (Cl. 31—57)



1. In combination, a milking stool, a platform supported in extended position with reference to the stool, and a pair of convergent pail supporting arms secured to the platform and to the stool for forming a V-shaped opening for holding the pail.

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2,120,313
**CROP END DEFLECTING APPARATUS**
John A. Smitmans, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 10, 1935, Serial No. 20,818
16 Claims. (Cl. 164—68)



5. In combination with a flying shear, means for conveying away from said shear the stock which is passed through it, an adjustable deflector disposed at the discharge side of the shear to deflect the strip out of the path of the conveyor when in one position and to guide it onto said conveyor when in another position, means for actuating said deflector, means responsive to the leading end of the stock entering the shear for controlling the operation of said actuating means to dispose of the first cut, and means jointly responsive to the trailing end of the stock and the movement of the shear for controlling the operation of said actuating means to dispose of the last cut.

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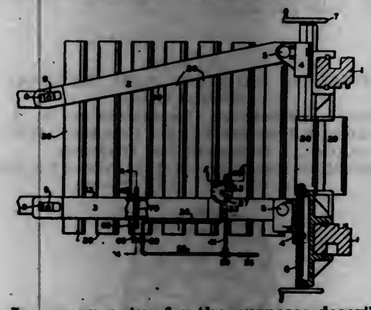
2,120,314
**SLAB TURNING APPARATUS**
John F. Spellacy, Fairview Village, and Thomas L. Burrell, Cleveland, Ohio
Application May 20, 1937, Serial No. 143,803
1 Claim. (Cl. 198—33)



In an apparatus for the purposes described, continuously driven means for effecting travel of a slab of material along a predetermined lineal path, a stationary member extending into the path of a leading corner portion of the slab and having a toothed surface engageable with said corner portion for causing the slab to swing about said portion to a new rotated position.



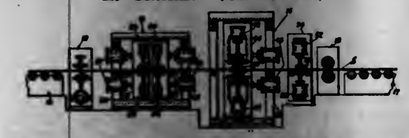
2,120,315
**SLAB TURNING APPARATUS**
John F. Spellacy, Fairview Village, and Thomas L. Burrell, Cleveland, Ohio
Application November 5, 1937, Serial No. 172,992
10 Claims. (Cl. 198—33)



1. In an apparatus for the purposes described, continuously driven conveyor rolls for supporting and transporting a slab of material along a predetermined path, guide means for guiding the slab and adjustable laterally of the path of travel of the slab, clamping means carried thereby and engageable with a portion of the slab, which portion is offset from the mid-portion of the slab, for arresting movement thereof lineally by the rolls while permitting rotation of the slab about said clamped portion, whereby the rolls cause the slab to swing about the clamped portion to a new rotated position, and means for releasing the slab in the new position for continued transportation along said path.

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2,120,316
**APPARATUS FOR WELDING AND FLASH TRIMMINGS**
Morris D. Stone, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 3, 1937, Serial No. 134,821
12 Claims. (Cl. 29—33)

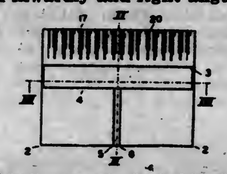


1. Apparatus for welding metal strips end to end comprising the combination of means for cutting the strip ends off at the desired angle to prepare them for welding, means for butt-welding the strip ends together, means for moving the strip longitudinally to a flash trimming position, means for clamping the strip in the flash trimming position, flash trimming means, means for bringing the flash trimming means into working relation with the strip, and means for moving the flash trimming means away from the clamping means while in working relation with the strip to sever the flash from the strip.

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2,120,317
**PAPER PACKET**
Victor A. Strom, Alameda, Calif.
Application September 30, 1935, Serial No. 42,748
2 Claims. (Cl. 229—87)

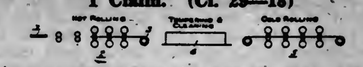
1. A paper packet comprising a blank folded back upon itself and having its lateral margins twice folded inwardly and right angularly across



said first fold; then again folded back upon itself and crimped across all of said marginal folds.
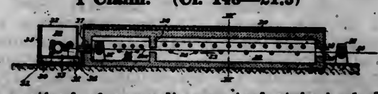
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2,120,318
**METHOD AND APPARATUS FOR MAKING SHEET METAL**
Raymond J. Wean, Warren, Ohio, assignor to The Wean Engineering Co., Inc., Warren, Ohio, a corporation of Ohio
Application November 17, 1936, Serial No. 111,210
1 Claim. (Cl. 29—18)



In a method of making sheet metal of a predetermined gauge, the steps including plasticizing hot-rolled strip of a thickness several times said gauge by placing a coil thereof in a processing uncoiler and drawing strip from the coil and through the uncoiler; uniformly cleaning and roughening the surface of the strip by moving it past a centrifugal abrasive-throwing mechanism, and reducing the thickness of the strip to said gauge by subjecting the roughened strip to repeated reducing passes between highly polished rolls while cold.

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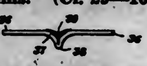
2,120,319
**METHOD OF ANNEALING**
Lee Wilson, Cleveland, Ohio
Application June 15, 1935, Serial No. 26,853
1 Claim. (Cl. 148—21.5)



A method of annealing a steel strip including the steps of heating the strip in strand form to a temperature of about 1300° F. or above, cooling the strip rapidly to a lesser elevated temperature but sufficiently below 1300 F. to prevent sticking of turns when coiled, coiling the strip at said temperature, and thereafter cooling the coiled strip slowly to room temperature.

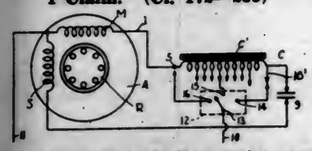
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2,120,320
**METHOD OF MAKING FINGER RINGS AND BLANK THEREFOR**
William E. Wood, Islington, Mass.
Application June 24, 1936, Serial No. 86,958
7 Claims. (Cl. 29—160.6)



1. The steps in the method of making a signet ring from a blank which has a widened and thickened center portion and relatively narrow end portions, which consists in transversely slitting said widened and thickened center portion, in bending said end portions towards each other in a direction to spread the sides of the slit into coplanar relationship, thus forming a flat top or signet, and in bringing the end portions into end abutting relationship to complete the ring.

2,120,321
**ELECTRIC MOTOR**
George Edgar La Verne Bergdill, Donnelsville, Ohio, assignor to Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio
Application June 22, 1936, Serial No. 86,527
1 Claim. (Cl. 172—233)

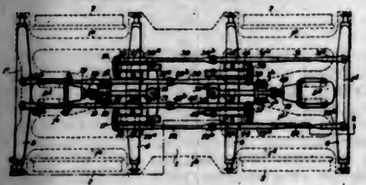


In a single phase induction motor, a rotor, a main stator winding, an auxiliary stator winding, a condenser in series with said auxiliary winding, an inductive coil which is not mutually coupled with the stator windings, said coil being electrically connected with said main winding and with the condenser circuit, said coil being adapted to be so connected with one of the current supply lines that the current may be supplied direct to the main winding and entirely through said coil to the condenser circuit, or the current supplied through a portion of said coil to the main winding and through the remainder of said coil to the condenser circuit, or current supplied mainly through said coil to the main winding and substantially direct to the condenser circuit.

2,120,322
**PROCESS FOR PREPARING PSEUDO-CYANINE DYES**
Bernard Beilenson, Harrow Weald, England, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application November 20, 1934, Serial No. 753,925. In Great Britain December 19, 1933
4 Claims. (Cl. 260—41)

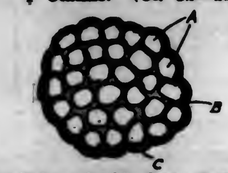
1. In the process for the preparation of a pseudocyanine dye wherein a cyclammonium alkiodide containing a reactive methyl group in the alpha position to the quinquevalent nitrogen atom is condensed with a quinoline alkiodide containing a reactive iodine atom in the alpha position to the quinquevalent nitrogen atom, the condensation being effected in the presence of a basic condensing agent to bind the elements of acid eliminated from the condensing molecules, the step comprising employing an alkali metal carbonate as basic condensing agent.

2,120,323
**BRAKE RIGGING**
Fred G. Craig, Wilmerding, Pa., assignor to The American Brake Company, Swissvale, Pa., a corporation of Missouri
Application January 8, 1937, Serial No. 119,651
23 Claims. (Cl. 188—56)



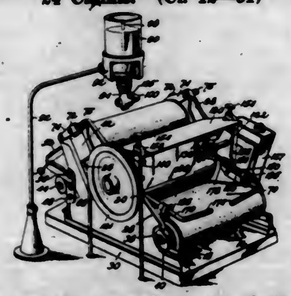
1. In a brake rigging for a vehicle having a plurality of pairs of wheels, in combination, a brake shoe disposed on each side of each wheel, fluid pressure operated means for moving all of the shoes on the forward sides of the wheels into engagement with the wheels, and other fluid pressure operated means for moving all of the shoes on the rear sides of the wheels into engagement with the wheels.

2,120,324
**SMOKELESS POWDER AND METHOD OF PRODUCING**
Louis A. Dickerman, Hackettstown, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application September 15, 1933, Serial No. 689,546
4 Claims. (Cl. 52—22)



1. A smokeless double base powder grain including colloided nitrocellulose fines agglomerated through the medium of a non-explosive binder which is a non-solvent for nitrocellulose and the grain as a whole being surface hardened with an explosive which is a plasticizer for nitrocellulose.

2,120,325
**INKING EDGES OF SHOE PARTS**
Paul H. Dixon, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 29, 1937, Serial No. 123,021
24 Claims. (Cl. 12—51)



1. In an inking machine, an abutment roll, an ink-applying belt, means for supporting said belt with a portion of the belt contacting the roll in order that pieces of work on the belt may be pressed against said abutment roll, and means for cleaning the surface of said roll while it is out of contact with the work.

2,120,326
**DIGGER**
Edward Doerschlen, Webster Groves, Mo.
Application July 19, 1937, Serial No. 154,509
2 Claims. (Cl. 37—184)

2. A digger comprising a pair of shovel sections, means for operating the said sections to open or closed position, each of the said shovel sections including a swingable bottom, and connecting means between the bottom of each shovel section and the complementary shovel section so that when the said sections are moved to open posi-





tion the bottoms will operate independently to invert themselves.

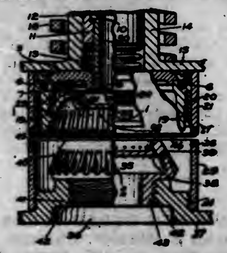
2,120,327
**REFRIGERATOR CABINET**
William F. Elsaesser, Cincinnati, Ohio
Application November 10, 1934, Serial No. 752,484
15 Claims. (Cl. 312—189)



1. In a refrigerator cabinet of the class described the combination of a cabinet having a recess in its forward face, a door frame pivotally mounted within said recess for oscillation relative thereto toward and from the cabinet, a door supported by said frame for movement therewith and for vertical movement relative thereto and wholly within said door frame, means for holding said frame and supported door in a closed position, and independent means for holding said door frame in a slightly open position to permit vertical movement of the door.

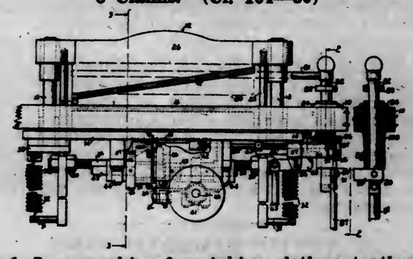
2,120,328
**METHOD OF SHAPING SHEET MATERIAL**
Enoch T. Ferngren, Toledo, Ohio, assignor, by mesne assignments, to Plax Corporation, Hartford, Conn., a corporation of Delaware
Application January 31, 1933, Serial No. 654,374
16 Claims. (Cl. 18—56)

1. The method of forming an article from a flat sheet of cellulosic composition, which comprises rigidly clamping the sheet around the outline of a blank between elastically yielding clamping means to permit a degree of concentric yielding of the blank in the direction of subsequent stretching action, stretching the blank by moving a portion thereof out of the original plane



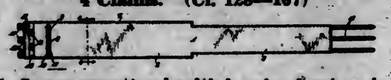
of the sheet and toward the desired final shape of the article to be produced, then cutting around the outline of the blank thus clamped and stretched, and thereafter completing the formation of the article.

2,120,329
**PINKING MACHINE**
Frederick C. Henneke, Richmond Hill, and Adam Berk, Ridgewood, N. Y.
Application August 1, 1936, Serial No. 93,862
6 Claims. (Cl. 164—50)



1. In a machine for pinking cloth, a toothed-edge cutter mounted on a table, a co-acting toothed-edge cutter mounted to be rectilinearly movable to pass its teeth successively into engagement with successive teeth in the first said cutter, the teeth of each cutter being uniformly parallel to the direction of movement of the movable cutter, being relieved from the cutting edge away from the line of primary engagement between the teeth of the cutters, and the teeth of at least one cutter being relieved from the cutting plane, and driving means for reciprocating the co-acting toothed-edge cutter, comprising an electric motor, a clutch, means for engaging the clutch, a rocker arm, connections from the rocker arm to the rectilinearly movable cutter, cam means operated by said motor through said clutch to engage the cutters, and spring means opposing the action of said cam means.

2,120,330
**BODY BAND AND SUPPORT**
Edward Hoch, Floral Park, N. Y.
Application December 16, 1937, Serial No. 180,211
4 Claims. (Cl. 128—167)

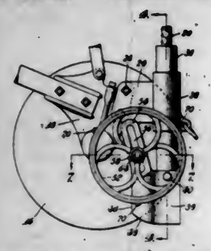


1. In a supporting health band, a laminar band consisting of a plurality of plies of woven all-wool

fabric bound together in fixed relationship by stitching around the edges of the band, said band having end portions of different width with substantially parallel side edges defining a straight band structure, the larger end portion of the band having a transverse opening to freely receive therethrough the smaller end portion of the band to allow tightening of the band about the body of a user, and spaced tensioning devices at opposite ends of said band for tightening the band about the body, said tensioning devices including buckles and straps anchored between plies of the band in the edge portion of the band.

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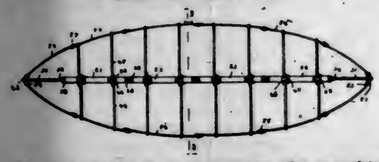
2,120,331
**UNIFORM DEPTH SEEDER**
Charles E. Huxley, Chicago, Ill.
Application May 2, 1936, Serial No. 77,622
6 Claims. (Cl. 111—84)



6. In a seeder, a support including a guide, a furrow opener, a connection between the furrow opener and said guide so constructed and arranged as to permit vertical adjustment of the furrow opener, said furrow opener being pivotally connected with said connection, and a depth wheel rotatably connected with the furrow opener forwardly of its pivotal connection with said connection.

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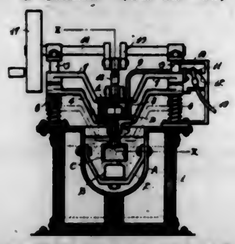
2,120,332
**PACK BOAT**
Fred H. Jackson, Ilion, N. Y., assignor of one-half to George S. Jackson, Ilion, N. Y.
Application June 8, 1936, Serial No. 84,665
2 Claims. (Cl. 9—2)



1. In a pack boat construction the combination of a plurality of foldable ribs, each rib composed of two bent, metal half-ribs shaped to have their keel ends detachably placed side by side in overlapping relation and their gunwale ends projecting away from each other and forming when so assembled a complete rib, the half-ribs of each rib having in their overlapping keel ends a pair of spaced cooperating fixed permanently mounted metal projections and laterally arranged sockets to detachably receive the same whereby a rigid whole rib is formed by assembling the two half ribs sidewise in such extended position, a keel having in its top, laterally extending rib-receiving spaced slots, each the width of the combined overlapping keel portions of a rib, the opposite walls of said slots holding together the half ribs of each rib, a gunwale detachably connecting the upper ends of the ribs and a flexible casing stretched beneath and around said keel, gunwale and ribs, the tension of said casing holding the ribs down in the keel and so keeping the ribs extended.

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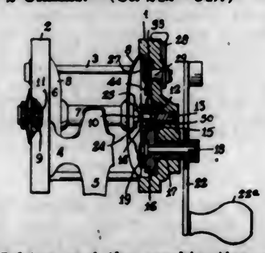
2,120,333
**DIE CASTING APPARATUS**
Kaname Kubo, Mitaka-mura, Kitatama-gun, Tokyo, Japan, assignor to Nihon Magnesium Kabushiki Kaisha, Tokyo, Japan
Application April 15, 1937, Serial No. 137,134
In Japan June 3, 1936
1 Claim. (Cl. 22—68)



In a die casting apparatus, a pair of recessed die members, forming, when closed, an intervening mold space, means for initially closing said members by the independent vertical movement of one of said members and for then moving both of said members conjointly, a receptacle for molten metal, a fixed piston in said receptacle, a hollow tubular cylinder engaging with said piston on the downward stroke of said cylinder and formed with a channel communicating with said mold space, for the supply of molten metal from the receptacle to said space, means for exhausting air from the mold space by the pressure of the molten metal forced into the mold space from the receptacle, said means, including an exhaust tube leading from the mold space, an exhaust controlling valve and means for automatically operating said valve on the downward movement of the die members.

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2,120,334
**FISHING REEL**
Alexander Lauterbach, Washington Mills, N. Y., assignor to Horrocks-Ibbotson Company, Utica, N. Y., a corporation of New York
Application April 29, 1937, Serial No. 139,750
2 Claims. (Cl. 242—84.7)



1. In a fishing reel the combination of a pair of spaced head plates, each with a central interior bearing, a reel-spool having outwardly extending spindles rotatably mounted in said bearings, one of said bearings being the recessed inner end of a stub shaft projecting inwardly from one head plate, a pinion and a movable clutch



member mounted on said stub shaft and connected together to rotate on, and to slide longitudinally as a unit upon, said stub shaft, the clutch member being towards the reel spool and there being an annular groove between the movable clutch member and said pinion, a gear always in mesh with said pinion, a shaft revolubly mounted on the same head plate as the said recessed shaft and fixedly carrying at its inner end said gear and having its outer end outside said headplate and there provided with a crank handle, a clutch member fixed upon the reel spool adjacent said movable clutch member and engaged thereby only when the movable clutch member is moved longitudinally towards the fixed member, a clutch-shifting arm having its inner end adapted to swing longitudinally of said hollow shaft and engaging said groove of the movable clutch member, and a C-shaped cam plate adjacent said arm and pivotally mounted on the inner end of a shaft projecting outwardly through the adjacent head plate and there provided with an operating crank lever, one end of the cam plate being directed outwardly and forming a cam adapted to engage the outer face of said shifting arm intermediate its ends and operating to swing the arm and therewith the movable clutch member inwardly on one movement of said operating lever, the other end of the said cam plate being directed inwardly and forming a cam adapted to engage the inner face of said arm and operating to swing the arm and therewith the movable clutch member outwardly on reverse movement of said operating lever.

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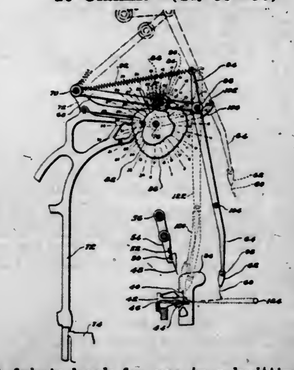
2,120,335
**RESISTANCE ELEMENT**
Karl M. Lederer, Newark, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application April 20, 1936, Serial No. 75,441
2 Claims. (Cl. 201—63)



1. In a resistor bulb of the type stated, a head having a bore therethrough, the ends of said bore being of different diameters to provide a radial shoulder, an insulating disk seated on said shoulder, a thin metal tube secured to said disk and extending from one side thereof through the smaller diameter end of the bore, resilient friction terminal pins projecting from the opposite side of said disk, said terminal pins being located within the bore and said head forming a socket adapted to receive a cable plug having terminals complementary to said terminal pins, and a resistance winding carried by and insulated from said tube, said winding being connected between said terminals.

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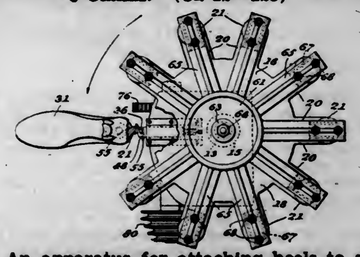
2,120,336
**KNITTING MACHINE**
Karl Richard Lieberknecht, Oberlungwitz, Germany, assignor to Knitting Machines Corporation, a corporation of Delaware
Application April 24, 1936, Serial No. 76,180
In Germany May 4, 1935
16 Claims. (Cl. 66—96)



3. A fabric hook for use in a knitting machine having spring beard needles, yarn measuring sinkers and a press edge below the yarn sinking level which comprises a shank arranged to extend downwardly into engagement with said press edge, and a hook having the outer face thereof grooved to provide a beard press surface for engagement with the needle beard to cast off the needle loops held on said needles and having a yarn engaging upper or tip portion located in the same plane with and overlying said groove for engagement with a portion of a bar of yarn located directly above the needle.

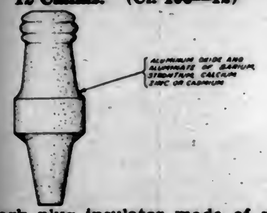
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2,120,337
**HEEL ATTACHING MACHINE**
Oscar L. Lawson, Lynn, Mass., assignor to National Development Company, Lynn, Mass., a corporation of Massachusetts
Application February 6, 1937, Serial No. 124,435
6 Claims. (Cl. 12—125)



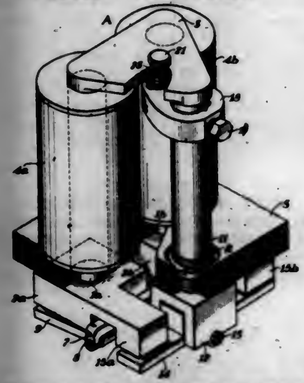
1. An apparatus for attaching heels to shoes comprising stationary and movable portions, said movable portion carrying a pair of cooperating clamping members including pressure applying means associated therewith for holding a heel upon a shoe under pressure, means carried by said stationary portion for actuating said pressure applying means, releasable means carried by said movable portion adapted to hold said pressure applying means in either of a plurality of positions with relation to said clamping members when moved to either of said positions, and means carried by said stationary portion for releasing said releasable means.

**2,120,338**
**SPARK PLUG INSULATOR**
**Talmo G. McDougal, Albra H. Fessler, and Karl Schwartzwalder, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware**
**Application November 16, 1935, Serial No. 50,244**
**12 Claims. (Cl. 106—12)**




1. A spark plug insulator made of recrystallized alumina together with crystalline aluminate of one of the metals of the second group of the periodic table having an atomic weight between 40 and 138.

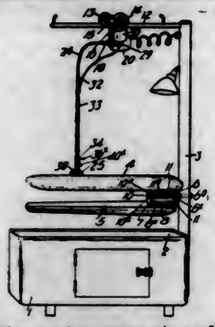
**2,120,339**
**ELECTROMAGNETIC DEVICE**
**Benjamin Mishelevich, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania**
**Application November 30, 1935, Serial No. 52,385**
**7 Claims. (Cl. 175—339)**



7. An electromagnetic device comprising a plurality of flux carrying elements rigidly secured to a supporting member in parallel relation, a back strap of magnetizable material engaging the ends of said elements to magnetically couple said elements together, and a clamping member secured to one of said elements intermediate its ends and to said back strap at a point spaced from all of said elements for holding said back strap in engagement with said elements.

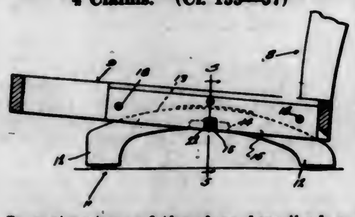
**2,120,340**
**GARMENT RENEWING MACHINE**
**James Strange Rear, Vancouver, British Columbia, Canada**
**Application March 2, 1936, Serial No. 66,669**
**3 Claims. (Cl. 26—28)**

1. In a garment renewing machine, the combination with the garment support, of a horizontal track extending over the support, a traveller operating upon the track, a motor support depending from the carrier and provided with trunnions upon which the motor is mounted to swing in a vertical plane, an abrasive disc and disc holder, a flexible shaft extending between the motor shaft and disc holder, and a spring



carried by the motor support and adapted to hold the flexible shaft, disc and disc holder and adjacent end of the motor in an upward position to hold the disc clear of the garment operated upon.

**2,120,341**
**TILTABLE CHAIR**
**Orva N. Smith, Berne, Ind.**
**Application June 11, 1937, Serial No. 147,754**
**4 Claims. (Cl. 155—57)**



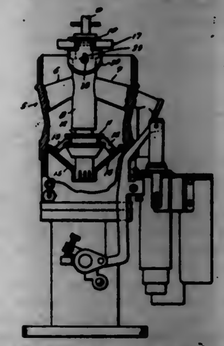
1. In a structure of the class described, a chair including a seat and an associated back rest, said seat embodying a base frame and said frame including adjoined side and end rails, cleats fastened to corresponding inner surface portions of the side rails, and adapter blocks interposed between the cleats and side rails, the lower edge portion of each adapter block being longitudinally curved and the central portion of the curve including an elongated clearance notch, and a pair of base units for supporting said frame, each unit being longitudinally bowed with its bowed portion disposed between the adjacent rail and cleat and arranged in matching contact with the curved lower edge portion of the adapter block, the lower edge portion of said base unit having a notch therein, and a bolt located in said notch and connected with the adjacent cleat and rail.

**2,120,342**
**CARBURETOR**
**Ted Stidham, Pound, Va.**
**Application January 21, 1937, Serial No. 121,670**
**2 Claims. (Cl. 261—64)**

1. A carburetor comprising a vertical tube, a metering pin assembly mounted in the upper part of said tube, suction operated air gates swingably mounted in the lower part of said tube and operatively connected to said metering pin assembly, said gates being arranged to swing apart and downwardly to make a gap therebetween when suction is exerted below the gates



in said tube whereby a stream of air is indrawn through the upper part of said tube, and air stream modifying means mounted on the upper part of said metering pin assembly, said means comprising declining vanes on opposite sides of



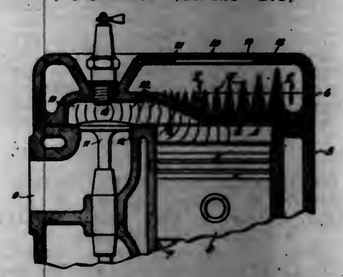
said assembly vertically aligned with the gap formed by the opening of the gates, and a support mounted on said assembly to which said vanes are connected, said vanes being adjustably pivoted to said support on horizontal axes.

**2,120,343**
**ARTIFICIAL RESINS**
**Isidore George Wolf, Dordrecht, Netherlands**
**No Drawing. Application March 7, 1936, Serial No. 67,635. In the Netherlands March 11, 1935**
**7 Claims. (Cl. 260—2)**

1. The method of producing artificial resins which comprises dissolving a resinlike condensation product, gradually adding the solution to a washing liquid capable of dissolving the undesirable constituents, incompletely condensed products and impurities to the exclusion of a substantial proportion of the resin, evaporating the solvent containing the resin in solution from the washing fluid, while said solution is being added to said washing liquid, in such proportions that the resin settles down in a finely divided form.

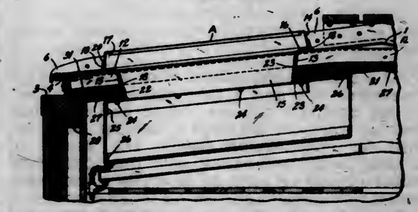
2. The method of claim 1, as applied to phenol aldehyde condensation products.

**2,120,344**
**NONDETONATING ENGINE**
**Victor F. Zahodiakin, New York, N. Y.**
**Application June 3, 1937, Serial No. 146,267**
**6 Claims. (Cl. 123—173)**



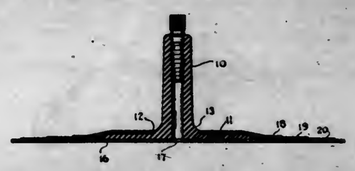
4. A head for the cylinder block of an internal combustion engine, said head being of hollow form to provide a water jacket and including a recess in its underside providing a combustion chamber over the cylinder of the block when disposed on said block, said head including means for mounting an ignition device at one side thereof, the inner surface of the wall of said recess being smooth and uninterrupted, said wall having a series of plug-like projections projecting from and integral with the surface thereof within the water jacket and immediately above the cylinder, said plug-like projections disposed in parallelism with the cylinder axis.

**2,120,345**
**REFRIGERATOR CAR**
**Alfred G. Bancroft, Dunn, N. C., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware**
**Application February 26, 1937, Serial No. 127,848**
**5 Claims. (Cl. 62—17)**



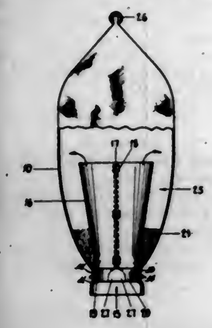
1. A refrigerator car roof having a plurality of hatch frames therein provided below said roof with outstanding flanges, a bunker located beneath said roof and having top openings in its opposite ends in communication with said hatch frames, and bolts for detachably securing said bunker to the outstanding flanges of the respective hatch frame around the top openings in said bunker.

**2,120,346**
**METHOD OF MAKING INNER TUBES**
**George W. Becker, Silver Lake, Ohio, assignor, by mesne assignments, to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio**
**Application October 11, 1933, Serial No. 693,114**
**2 Claims. (Cl. 154—14)**



2. The method of making inner tubes which comprises forming and at least partially vulcanizing a rubber valve stem having a base flange and a shoulder portion intermediate said stem and said base flange, mounting said base flange upon the outer face of an unvulcanized endless tube, superposing a patch-like structure of unvulcanized rubber upon the flange, so as to overlap the margins thereof and abut said shoulder portion of the valve stem, and then subjecting the assembled structure to vulcanizing heat and molding pressure whereby is formed a unitary structure with the valve stem flange disposed interiorly of the wall thereof.

**2,120,347**
**DUST DEFLECTOR**
**James Bernfeld, Newark, N. J.**
**Application July 14, 1936, Serial No. 90,454**
**5 Claims. (Cl. 183—51)**



4. The combination with a dust collecting vacuum cleaner bag and a dust deflecting member, said bag having a tubular mouth and said dust deflecting member having a tubular end designed for engagement around the mouth of said dust bag, the body of said dust deflecting member having an element of rigidity and being adapted to maintain a position longitudinally of the dust bag, whereby air discharged into said dust bag will cause the surfaces of said bag to be spaced away from the exterior surface of said deflecting member and form a storage space therebetween for collecting dust without clogging the mouth of said dust bag, and outwardly extending means on said dust deflector for spacing said deflector away from the inner surface of said dust bag.

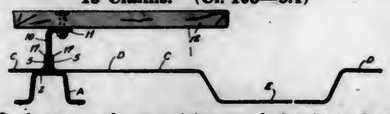
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**2,120,348**
**BRACELET OR OTHER JEWEL**
**Georges Bezault, Juvisy, France, assignor to Cartier, Inc., New York, N. Y., a corporation of New York**
**Application February 16, 1937, Serial No. 125,955**
**In France February 25, 1936**
**7 Claims. (Cl. 63—9)**



1. A jewel, and especially a bracelet, which comprises, in combination, a series of elements pivotally connected to one another about parallel axes so as to form a jointed band, cooperating stops formed on the surfaces of the respective elements arranged in such manner that, when said stops are in contact respectively, the whole of said elements assumes the general shape of a split annular structure which can be opened by forcing the ends thereof away from each other, a spring carried by at least some of said elements, and cams carried by said elements adapted to cooperate with said springs for urging said respective stops against one another.

**2,120,349**
**CAR ROOF**
**Charles David Bonsall, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware**
**Application February 26, 1936, Serial No. 65,769**
**13 Claims. (Cl. 108—5.4)**

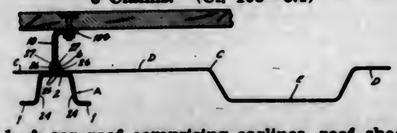


2. A car roof comprising roof sheets and carlines supporting adjacent margins of said roof sheets, said margins of said roof sheets being provided with upstanding flanges, upstanding plates secured to the tops of said carlines and extending between the flanges of the sheets supported thereby, and welds uniting the edges of said flanges to the upstanding plates interposed therebetween, said plates extending above said flanges at the ridge of the car and having portions constituting supports for the roof running board.

9. A single course car roof of the type wherein flat-topped ribs alternate with flat-bottomed channels extending crosswise of the car, said car roof comprising roof sheets extending from eaves portion to eaves portion with their sides formed into raised panels which have flanges along their margins, members disposed between adjacent flanges and extending substantially the entire length thereof with the edges of said members substantially flush with the edges of said flanges, and welds of added metal covering the flush edges of said flanges and said members and uniting them together, whereby said welds increase the strength of said roof in the region of compression under vertical load.

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**2,120,350**
**CAR ROOF**
**Charles David Bonsall, Pittsburgh, Pa., assignor to Standard Railway Equipment Manufacturing Company, New Kensington, Pa., a corporation of Delaware**
**Application January 17, 1938, Serial No. 185,259**
**6 Claims. (Cl. 108—5.4)**



1. A car roof comprising carlines, roof sheets supported at their side margins on said carlines, said margins being provided with upstanding flanges, said carlines comprising sections that extend from end to end thereof and are provided along their adjacent margins with upstanding flanges that are disposed between the upstanding flanges of adjacent sheets, and welds on top of the assembled flanges for uniting them together.

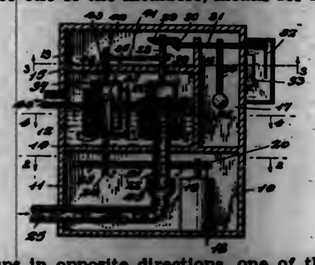
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**2,120,351**
**CONTINUOUS VISCOSITY METER**
**Howard H. Decker, Fairview, N. J.**
**Application October 7, 1937, Serial No. 167,827**
**4 Claims. (Cl. 265—11)**

1. A continuous viscosity meter comprising a casing, a pair of revoluble cups therein, revoluble members within the cups, each member having a shaft, link members connecting the shafts,



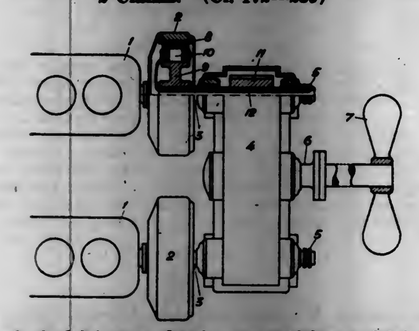
an indicator shaft operably connected with the shaft of one of the members, means for rotating



the cups in opposite directions, one of the cups having a fluid of known viscosity, and means for supplying fluid to be tested to the other cup.

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**2,120,352**
**ELECTRODYNAMIC SLIP COUPLING**
**Nils Ericson, Stockholm, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden**
**Application March 12, 1937, Serial No. 130,547**
**In Sweden March 14, 1936**
**2 Claims. (Cl. 172—239)**

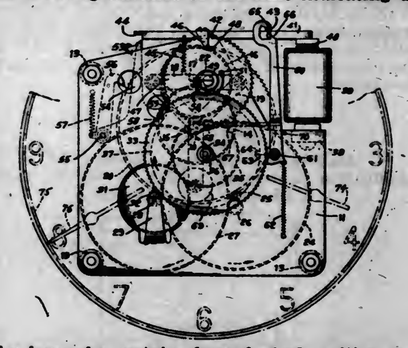


1. A driving mechanism comprising a driving member, a reducing gear, and an electric slip coupling connecting said member and gear, a pinion for said reducing gear, a hollow shaft carrying said pinion and having both its ends projecting beyond said reducing gear, one element of said coupling being carried in close proximity to the reducing gear on one of said projecting ends, electric contact members on the other projecting end, and leads extending through said hollow shaft from the said contact members to said coupling member to supply electric current thereto.

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**2,120,353**
**SYNCHRONIZING CLOCK**
**Ernest A. Faller, Brooklyn, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York**
**Application December 18, 1935, Serial No. 54,995**
**7 Claims. (Cl. 58—35)**

1. In a clock mechanism having a continuously rotating shaft, a time indicating device driven by said shaft whereby the time indicating device is normally advanced at a time keeping rate, the combination of an electromagnetic device controlled by a master clock, speed accelerating means controlled by the operation of said electromagnetic device in accordance with certain chronological positions of said time indicating device for advancing said time indicating device at a more rapid rate than said normal time keeping rate, means normally in blocking position for blocking advance of the time indicating de-



vice beyond a certain chronological position, and means controlled by said electromagnetic device for rendering the blocking means ineffective to permit resumption of advance of the time indicating device.

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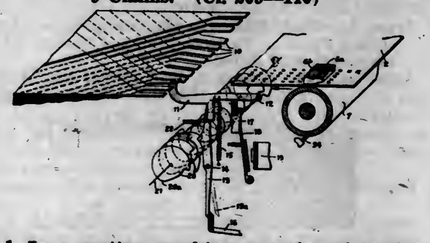
**2,120,354**
**CAR ROOF**
**Paul E. Finger, New Kensington, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware**
**Application July 2, 1937, Serial No. 151,642**
**12 Claims. (Cl. 108—5.4)**



1. A car roof having a runway comprising nonmetallic side sections and a metal intermediate section having a flat upper surface substantially flush with the upper surfaces of said nonmetallic side sections.

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**2,120,355**
**PERFORATED RECORD SORTING MACHINE**
**Louis H. Fronefield, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York**
**Application June 13, 1934, Serial No. 730,403**
**9 Claims. (Cl. 209—110)**

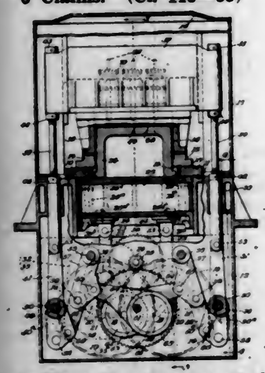


1. In a sorting machine, a series of sorting pockets, a series of sorting blades each leading to a pocket for guiding records into said pockets, means for analyzing successively presented record cards, means to operate the blades, means

to initially select the blades for operation, means controlled by the analyzing means for controlling the selecting means in accordance with designations in the records, and means controlled by the analyzing means for causing the blade operating means to operate in accordance with the selection made by the selecting means only on the occurrence of predetermined designations in the records.

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**2,120,356**
**PRESS**
**Rudolph W. Glasner, Chicago, Ill.**
**Application September 4, 1936, Serial No. 99,379**
**6 Claims. (Cl. 113—38)**



1. In a double action press, a combined bed and lower crown, a reciprocable slide, a die carried by said slide and operable through the bed, eccentrics housed within said crown, operative connections between said eccentrics and said slide for reciprocating the latter, a reciprocable slide above the bed, a die carried by the last said slide and cooperating with the first said die, a shaft in said crown, disposed between the said eccentrics and separate therefrom, opposed eccentrics secured to said shaft for rotation therewith, toggle mechanisms in said crown and on opposite sides of the said shaft, operative connections between said toggle mechanisms and the second recited slide, operative connections between the said toggle mechanisms and the respective second recited eccentrics for reciprocating the second recited slide, a source of power, and operative connections between said source of power and all of said eccentrics.

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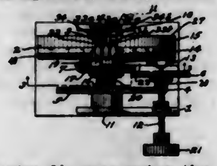
**2,120,357**
**CAN**
**Jesse L. Gray, Chicago, Ill., assignor to Armstrong Paint & Varnish Works, Chicago, Ill., a corporation of Illinois**
**Application November 9, 1936, Serial No. 109,820**
**1 Claim. (Cl. 220—20)**



In a can of the class described, a body portion, an inwardly extending annulus attached to the upper edge of said body portion and having means including opposed walls defining a groove with the free edge of the inner wall of said groove terminating in a bead, an inner tray of substantial depth and cubical capacity having an upstanding wall terminating at its upper end in a curved flange, a gasket engaging the lower face of said flange and extending beyond the free edge of said flange, said tray being supported on said bead with said gasket interposed between said bead and said flange and with said upstanding wall in spaced relation to said bead, and a cover having a depressed portion frictionally engaged in said groove and having a portion seated on said flange and in sealing engagement with said gasket.

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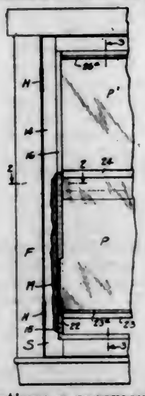
**2,120,358**
**DEVICE FOR MEASURING THE LENGTH OF FIBERS**
**John I. Hardy, Washington, D. C.**
**Application May 15, 1936, Serial No. 79,942**
**3 Claims. (Cl. 33—125)**
**(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)**



3. In a device for measuring the length of fibers, twin wheels having cylindrical outer surfaces, one of said surfaces having a graduated scale, said wheels being mounted to revolve on a common axis, the rims of which wheels are slidably adjacent each other at the sides thereof, a fiber clamp mounted on the circumference of each respective wheel, and means to rotate each wheel and associated clamp independently of the other wheel and clamp.

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**2,120,359**
**WINDOW**
**Walter W. Hartmann, Los Angeles, Calif.**
**Application May 20, 1936, Serial No. 80,757**
**4 Claims. (Cl. 20—51)**

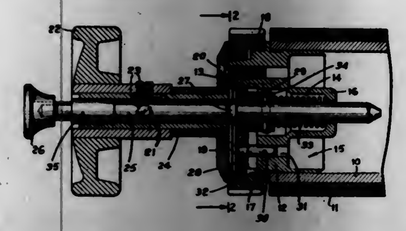


4. In combination; a casement window having a frame hingedly supported at one of its vertical edges; two pairs of spring members with the members of each pair secured to the inside vertical edges of the frame and co-extensive in length therewith; a pair of panes each embraced at its vertical edges by the members of the respective pair so that the pane can be slid vertically in the members and frictionally held thereby in any position of adjustment.

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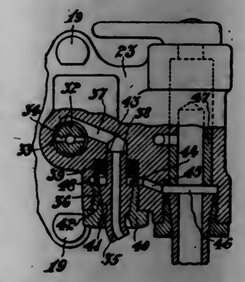
**2,120,360**
**TYPEWRITING MACHINE**
**James L. Hillis, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York**
**Application December 5, 1935, Serial No. 52,963**
**1 Claim. (Cl. 197—123)**



A line spacing clutch comprising a rotatable support, a platen rotating member freely rotatable on said support and having a knurled clutch surface, a clutch member slidably mounted on said support and having a knurled clutch surface engaging the clutch surface in the platen rotating member; a push rod coaxial with said support and engaging the clutch member, said push rod being loosely mounted in a bore in said support and passing through the clutch member whereby the push rod and clutch member float slightly relative to said support to permit even seating of the knurled surfaces; and a spring housed in said bore and holding said surfaces in engagement.

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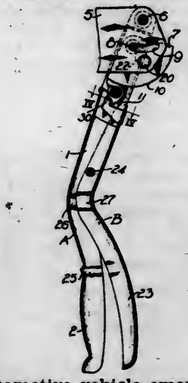
**2,120,361**
**WATER CONNECTION**
**George W. Hulshiser, Stewartsville, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey**
**Application June 26, 1937, Serial No. 150,482**
**6 Claims. (Cl. 121—10)**



1. In a pressure fluid actuated rock drill, the combination of a casing and a conduit for liquid, a connection for conveying liquid to the conduit, sealing surfaces on the casing and the connection, a pressure surface on the connection subjected to pressure fluid for maintaining the sealing surfaces in sealing relationship with each other, and means for preventing the flow of liquid to the pressure surface.

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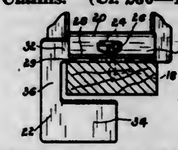
**2,120,362**
**CONSTRUCTION OF BRAKE LEVERS**
**Herbert S. Jandus, Detroit, Mich., assignor to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan**
**Application April 17, 1937, Serial No. 137,418**
**2 Claims. (Cl. 74—536)**



1. An automotive vehicle emergency brake lever construction including a fixed plate, a lever having spaced legs pivoted to and astraddle said plate, said plate having an arcuate slot in it described with the axis of the lever pivot as a center, a pin in said slot having its ends secured in said legs, a ratchet sector rockable on said pin between said lever legs, a pawl pivoted to said lever and between said legs for cooperating with said ratchet sector to latch said lever in adjusted position, said sector having a slot in it, and said plate carrying a pin working in said sector slot to rock said sector about its pivot as the lever is swung.

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**2,120,363**
**TRACTION DEVICE FOR SKIS**
**Nicholas J. Jerns, Jr., Bellingham, Wash.**
**Application May 6, 1937, Serial No. 141,159**
**3 Claims. (Cl. 280—11.13)**



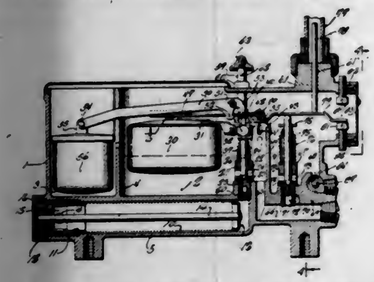
1. The combination with a ski, of a base plate on said ski formed with a vertical and a horizontal slot, and a detachable traction arm adapted to alternately engage one of said slots.

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**2,120,364**
**DEVICE FOR CONTROLLING THE SUPPLY OF FUEL TO OIL BURNERS AND THE LIKE**
**Roy W. Johnson, Milwaukee, Wis., assignor to Automatic Products Company, Milwaukee, Wis., a corporation of Wisconsin**
**Application March 3, 1933, Serial No. 659,448**
**6 Claims. (Cl. 137—68)**

1. A device of the character described, comprising a casing having a bottom wall and containing a reservoir provided with an outlet, said wall having an aperture, an inlet member secured in said aperture and extending upward into said reservoir, said member having an inlet passageway therethrough with an internal annular

shoulder, a control member in said passageway and having means cooperable with said shoulder to control flow to said reservoir, said inlet member having guide means for said control member, said control member projecting from said inlet member and having a lateral flange, a pivotally supported lever arm in said casing and having one end portion cooperable with said flange to actuate said control member, a float in said reservoir and carried by the other end portion of said lever arm, an overflow chamber having communication with said reservoir, a float in said cham-



ber operable upon overflow of liquid from said reservoir, a normally inactive lever in said casing and cooperable with said second-named float, said normally inactive lever being normally out of engagement with said control member and operable on said control member to close said inlet passageway upon overflow of liquid into said chamber, a stop member limiting movement of said normally inactive lever in one direction, and a spring holding said normally inactive lever in engagement with said stop member and operable to urge said control member toward closed position.

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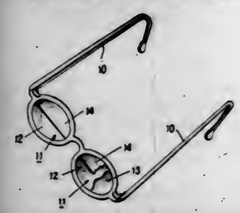
**2,120,365**

**NEW AND IMPROVED VIEWING DEVICE FOR USE IN THE EXAMINATION OF PHOTOELASTIC EFFECTS**

**Richard T. Kriebel, Waban, Mass., assignor to Sheet Polariser Company, Inc., Union City, N. J., a corporation of New Jersey**

**Application December 21, 1936, Serial No. 116,972**

**5 Claims. (Cl. 88—14)**



1. A device of the character described comprising, in combination, an ophthalmic frame, a thin, sheet-like, light-polarizing element held by said frame and a sensitive tint device of less area than said light polarizing element held by said frame adjacent said light-polarizing element to overlie only a portion thereof such that the user may look either through the light-polarizing element alone or through the polarizing element and the sensitive tint device in combination, said light-polarizing element being so positioned as to be between said sensitive tint device and the eye of an observer wearing said frame.

**2,120,366**

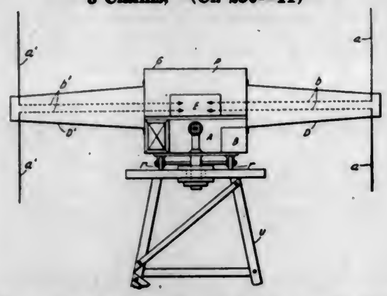
**DIRECTION FINDER**

**August Leib and Walter Kühlewind, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany**

**Application February 6, 1935, Serial No. 5,199½**

**In Germany January 30, 1934**

**8 Claims. (Cl. 250—11)**



5. A rotatable direction finder comprising a supporting tower having an upper platform, a central shielded housing, two dipoles fixedly secured to an arm extending outward from the sides of said housing, a bearing centrally located on said platform, a plurality of rotatable elements secured to the under side of said housing and arranged for rotation on said upper platform, and means within said housing for rotating the same around said bearing.

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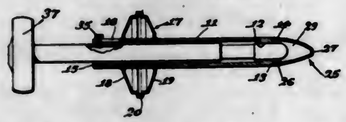
**2,120,367**

**PROSTATIC AND VAGINAL MEDICINE APPLICATOR**

**Burnard A. Lewis, Los Angeles, Calif.**

**Application June 30, 1936, Serial No. 88,156**

**1 Claim. (Cl. 128—261)**



A medicine applicator having a cylindrical probe with an internally contracted portion at its inner end, such portion having a cylindrical internal guide surface, there being external threads at the end of the probe, the outer end of the probe having an inturned rim and a longitudinal slot adjacent thereto, a plunger slidably mounted in the probe having a cylindrical portion with a bearing in the internal guide surface and the rim, a removable set screw extending through the slot and attached to the plunger to limit the stroke thereof, the plunger having a rounded nose on its inner end which when the plunger is retracted extends but slightly beyond the end of the probe, a tapered cap threaded on the end of the probe and having an orifice at its apex, the said cap having a cavity for insertion of a medicament prior to its attachment to the probe, the inward movement of the plunger being adapted to expel the medicament through the orifice, the probe having an enlarged collar spaced from the rim and located in proximity to one end of the slot, the plunger having a handle at its outer end, the said collar and the handle being adapted to be grasped for operating the plunger.



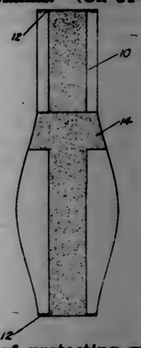
**2,120,368**

**PROCESS OF DRYING WOOD BLOCKS**

**Herman E. McKenzie, Big Bay, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware**

**Application October 30, 1936, Serial No. 108,355**

**4 Claims. (Cl. 34—24)**



1. A method of protecting wood blocks while drying, consisting in coating the ends and the exposed heart and bark faces with a protective covering.

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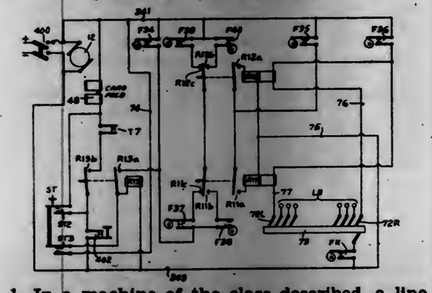
**2,120,369**

**CARD FEEDING MECHANISM**

**Albert W. Mills, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York**

**Application November 14, 1936, Serial No. 110,810**

**5 Claims. (Cl. 192—127)**



1. In a machine of the class described, a line of sensing elements, means for feeding a record card to said sensing elements with the leading edge thereof parallel to said line, further sensing means arranged in line with said elements for determining whether the leading edge of said record card is parallel to said line of sensing elements, means for rendering said further sensing means effective for a predetermined interval during the feeding of the card and means controlled by said further sensing means upon determining that said record card edge and said line of elements are not parallel for causing interruption of the operation of said feeding means.

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**2,120,370**

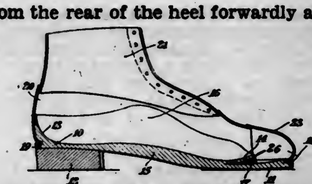
**FOOT SUPPORT AND CONSTRUCTION INVOLVING THE SAME**

**Alan E. Murray, New York, N. Y.**

**Application October 5, 1935, Serial No. 43,658**

**6 Claims. (Cl. 36—3.5)**

1. A unitary foot support conforming substantially to the under-portion of the foot and extending from the rear of the heel forwardly and having a height up to and following the undercut line of the foot.



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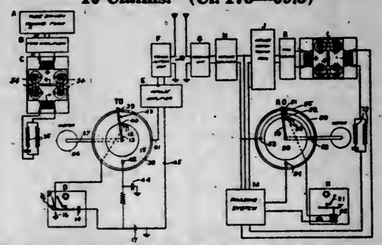
**2,120,371**

**COMMUNICATION SYSTEM**

**Ernst Norrman, Brooklyn, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York**

**Application October 4, 1934, Serial No. 746,903**

**10 Claims. (Cl. 178—69.5)**



9. In a communication system, rotary means to transmit single control signals during a predetermined timed interval, means including rotary operating means to receive said control signals, the said rotary means adapted to be driven synchronously by said signals but at a predetermined phase angular displacement with respect to each other, and means whereby the control signals are received at any particular time during the said timed interval to effect proper phasing of the second mentioned rotary means so that the phase angle displacement is nil.

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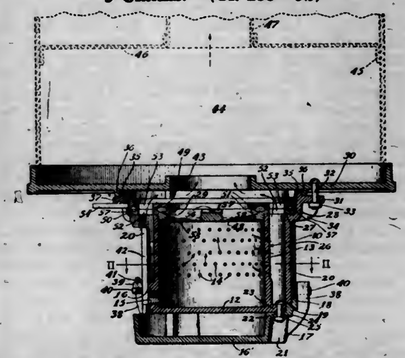
**2,120,372**

**FUEL BURNER**

**Charles P. O'Hagan, Chicago, Ill.**

**Application August 31, 1932, Serial No. 631,238**

**9 Claims. (Cl. 158—92)**

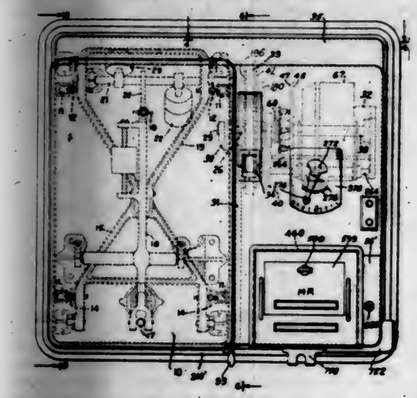


1. In an oil burner, the combination with a receptacle serving as a burner, of a base member secured to said burner receptacle, a burner

shell to substantially enclose the burner receptacle, and cooperating means on said burner shell and base member for effecting detachable engagement responsive to a fractional relative turn therebetween so as to afford ready removal of said burner receptacle and enable complete accessibility to the interior of said burner shell.

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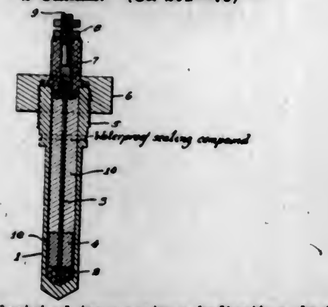
**2,120,373**
**WEIGHT CONTROLLED MACHINE**
**Frederick Quintus Rast, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York**
**Application February 5, 1935, Serial No. 5,026**
**30 Claims. (Cl. 235—58)**



1. In a machine including means operable according to a variable; the combination of selector mechanism, means mounting the selector mechanism for movement independently of and separately from the first named means in two directions transverse to each other, a device for moving the selector mechanism in one of aforesaid directions to set the selector mechanism according to a classifying factor independent of the aforesaid variable, a control mechanism comprising a control part included in the first named means and another control part included in the selector mechanism, a power drive operable after completion of the operation of the first named means and after the selector means has been set by said device for moving the selector mechanism in the other of aforesaid directions, and separate means governed by coaction of said control parts of the control mechanism for stopping the movement of said selector mechanism by said power drive when the selector mechanism reaches a position dependent on the aforesaid variable, whereby the selector mechanism is set according to said variable in addition to its previous setting according to the classifying factor.

20. In a machine including mechanism operable according to a variable; the combination of control means forming a part of the first named mechanism and settable thereby at a position corresponding to the variable, a follower mechanism movable from a predetermined starting position and independently of the first named mechanism, after the control means is at rest at the first mentioned position, to follow said control means to the latter position, and a variable speed drive for the follower mechanism.

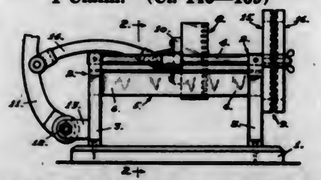
**2,120,374**
**ELECTRICAL PYROMETER**
**Samuel Ruben, New Rochelle, N. Y., assignor to Vega Manufacturing Corporation, Wilmington, Del., a corporation of Delaware**
**Application October 23, 1931, Serial No. 570,746**
**Renewed July 24, 1936**
**2 Claims. (Cl. 201—76)**




1. An electrical temperature indicating device comprising a tubular metal shell having an electrically conducting lining of a material difficult to oxidize on its inner contacting surface and constituting one electrode, a resistance element composed of a single solid and uniform mass of fused vanadium pentoxide cast into said shell and intimately contacting said lining, and a cooperating electrode contacting said vanadium pentoxide and suitably insulated from the shell electrode, the length of said pentoxide mass exceeding the inner diameter of said shell.

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**2,120,375**
**SLICING MACHINE**
**George W. Shaver and Clarence E. Sibert, Los Angeles, Calif.**
**Application June 10, 1936, Serial No. 84,488**
**1 Claim. (Cl. 146—169)**



In a slicing machine of the class described, the combination of a fixed, rigid, rectangularly shaped, open frame member provided with slots in one side thereof, means for supporting it at two of its corners, blades secured at their ends across the open space in said frame member in spaced relation to each other and secured in tension in said slots in one side of said frame member so that one side is flush with the side of said frame member forming a cutting member, another similar cutting member with the slotted side adjacent the slotted sides of the first mentioned frame member and arranged with the blades at an angle to the blades in the first mentioned frame member, said blades being sharpened at their receiving edges, a reciprocating block provided with a face portion adapted to fit in the open space in said frames and provided with forwardly extending lugs arranged to fit between the blades in both of said frame members and substantially fill the same, means for guiding said block, consisting of substantially V-shaped guide frame in which said block is reciprocally mounted with one corner downwardly therein, and rods positioned above said guides upon which said block is shiftably mounted for guiding said block in certain relation with said guide members.



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**2,120,376**
**MANUFACTURE OF ASPHALTS**
**Vladimir L. Shipp, New York, and Arthur H. Boenau, Long Island City, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York**
**No Drawing. Application March 3, 1936, Serial No. 66,523**
**10 Claims. (Cl. 196—74)**

8. The method or producing asphaltic products with low temperature susceptibility and high ductility which comprises blending a material selected from the group consisting of residues and the heavier oil distillates of paraffinic base crudes and solvent extracts of paraffinic base stocks with a material selected from the group consisting of solvent tars of asphaltic and mixed base residual stocks and blowing the blended mixture with an oxidizing gas to produce an asphalt having low temperature susceptibility and high ductility.

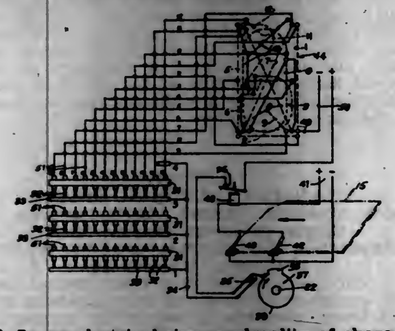
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**2,120,377**
**MANUFACTURE OF ASPHALTS**
**Vladimir L. Shipp, New York, Arthur H. Boenau, Sunnyside, and James W. Ramsay, New York, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York**
**No Drawing. Application March 6, 1937, Serial No. 129,376**
**14 Claims. (Cl. 196—13)**

5. A process for obtaining an asphaltic material having a low susceptibility ratio and a high ductility value which comprises solvent refining a petroleum residue to obtain a solvent tar containing oils of low viscosity index, air blowing said tar until a major portion of said oils is oxidized while leaving a minor portion of oil which has a higher viscosity index than the oil which was oxidized, and adding to the blown tar an oil of higher viscosity index than that of said remaining unconverted portion of oil.

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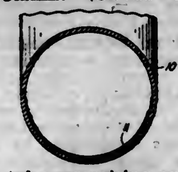
**2,120,378**
**LUMINOUS SIGN**
**Gustav Tauschek, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York**
**Application April 11, 1934, Serial No. 720,078**
**3 Claims. (Cl. 177—350)**



2. In an electrical sign, a plurality of character representing units each unit comprising a set of lamps, a pattern sheet perforated in columns for the representation of characters by said lamps by predetermined perforations, a plurality of sets of analyzing means, a plurality of sets of lamp circuits, one set for each unit and closed by the related set of analyzing means through the perforations in a column, an electrical motor, a source of electrical power supply for said motor for uninterrupted operation thereof and for said lamps, electrical switching means for connecting said source of power to said circuits, sensing means cooperating with said sheet and shifted by said sheet from an inactive position to an active position when a plurality of columns of the sheet are correlated with the analyzing means, means operated by said electrical motor for uninterruptedly feeding the sheet to said analyzing means and said sensing means, and means controlled by said sensing means for rendering said electrical switching means ineffective during the uninterrupted operation of the feeding means to connect the power supply to said circuits by the inactive position of the sensing means due to the absence of the sheet in cooperation with said sensing means, and for causing by the active position of said sensing means said switching means to connect said electrical power supply to said circuits when said sheet has been uninterruptedly fed by said feeding means to correlate a predetermined number of columns of said sheet with said analyzing means to thereby cause said sets of circuits to be closed through the perforations of the predetermined number of columns to effect the simultaneous illumination of the sets of lamps of a plurality of units, and thereafter through the perforations of successive columns of perforations as said sheet is thereafter fed by the uninterrupted operation of said feeding means.

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**2,120,379**
**INNER TUBE**
**Raymond S. Taylor, Philip M. Torrance and Robert H. Anderson, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio**
**Original application November 16, 1932, Serial No. 642,834. Divided and this application May 18, 1934, Serial No. 726,316**
**4 Claims. (Cl. 152—347)**



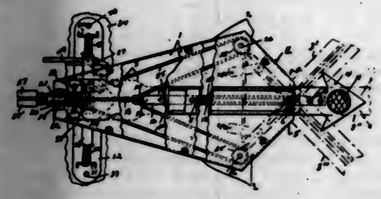
4. An inner tube comprising an annular tubular structure of elastic rubber composition, a layer of rubber composition on the interior wall thereof, which composition is permanently soft and sticky, and a thin, non-tacky non-elastic plastic film covering said sticky layer so that the inner surface of the latter is free to adhere to a puncturing instrument for sealing a puncture in said tube as said instrument is withdrawn therefrom.

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**2,120,380**
**SIGNAL DEVICE**
**Arthur R. Thompson, San Francisco, Calif.**
**Application February 25, 1936, Serial No. 65,543**
**6 Claims. (Cl. 116—52)**

1. In a signaling device, the combination of an elongated, horizontally disposed arm, means

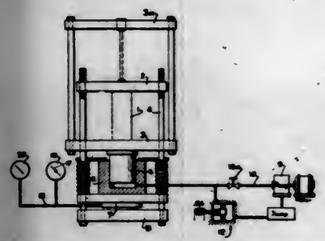
mounting said arm for movement thereof about a vertical axis and for movement in a direction radially outwardly of said axis about a horizontal axis to a position extending angularly relative to a horizontal plane, means for causing the aforesaid movements of said arm, the means



mounting said arm including a vertical pivot for swinging the arm thereabout, and a separate horizontal pivot slidably and pivotally supporting the arm for sliding movement of the arm on the pivot in a direction transversely of the axis of the horizontal pivot and for rotating about said horizontal pivot.

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2,120,381
**MATERIALS TESTING APPARATUS**
George E. Troxell, Berkeley, Calif., assignor to Baldwin-Southwark Corporation, a corporation of Delaware
Application October 9, 1935, Serial No. 44,233
7 Claims. (Cl. 265—14)

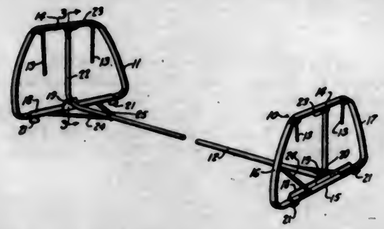


1. In combination, means responsive to load on a specimen stressed in a materials testing machine, a power driven member, mechanism for controlling the application of power to said member, a plurality of photoelectric cells and light beam sources therefor whose beams are adapted to be alternatively intercepted by said load responsive means upon occurrence of predetermined loads, and means whereby said cells are adapted to control said mechanism within the limits of said predetermined loads.

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2,120,382
**SUPPORTING FRAME FOR GLIDERS OR THE LIKE**
Louis Vavrik, Toledo, Ohio, assignor to The Hetrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application August 28, 1936, Serial No. 98,368
2 Claims. (Cl. 5—129)

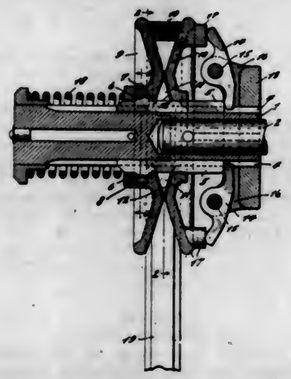
2. A glider supporting frame comprising a pair of laterally spaced upright end frames, each end frame having a transverse bar at the upper end thereof, a socket member in the under portion of said bar, a saddle on the lower portion of each end frame, a substantially U-shaped tube having the upper ends fitting into and embraced by said socket members, another portion of said tube



resting in the saddle of each frame, braces for connecting the tube to each end frame respectively, and detachable fasteners for retaining said braces in operative position.

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2,120,383
**PULLEY**
Harry C. Watson, Chicago, Ill., assignor to American Electric Fusion Corporation, Chicago, Ill., a corporation of Illinois
Application September 4, 1936, Serial No. 99,413
5 Claims. (Cl. 74—230.17)



1. In combination, a shaft having a key movable lengthwise thereof, a pulley on said shaft and formed of two separate flanges, means causing said flanges to rotate together, one of said flanges being movable with said key and the second movable with respect to the key lengthwise of the shaft, and means actuated by movement of said second flange lengthwise of the shaft, to cause movement of the key and the first-named flange in the opposite direction.

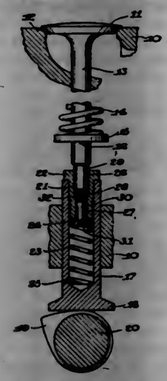
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2,120,384
**YIELDABLE CLUTCHING MEANS**
Jacob Wohlfeld, Detroit, Mich., assignor to George Lovequest, Detroit, Mich.
Application May 23, 1934, Serial No. 727,136
20 Claims. (Cl. 122—90)

1. The combination of a body having bores and a chamber between and communicating with said bores, plungers in said bores, a compact, substantially voidless mass of soft, solid but flowable material confined in said chamber by said



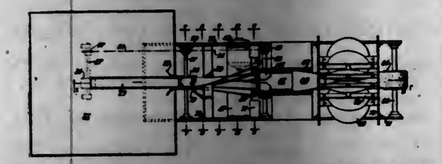
plungers and frictionally engaging the walls of said chamber, and yielding means for applying



pressure to said material through one of said plungers.

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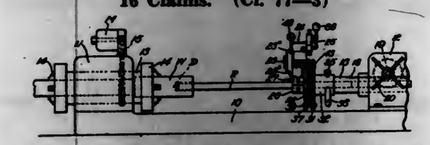
2,120,385
**PEACH TURNER**
John Albertoli, San Francisco, Calif.
Application October 23, 1935, Serial No. 46,313
10 Claims. (Cl. 198—33)



1. In a machine for operating on half-peaches having an operating means, a conveyor means for delivering half-peaches to the operating means comprising a pair of belts having adjacent reaches positioned one above the other for engaging the upper and lower sides of half-peaches and which move from parallelism to angularity for orienting the half peaches.

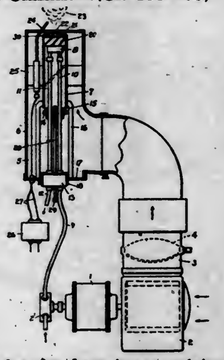
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2,120,386
**CONTROL FOR BORING MACHINES**
Lawrence F. Baash and Charles H. Hardies, Los Angeles, Calif., assignors to Baash-Ross Tool Company, Los Angeles, Calif., a corporation of California
Application May 26, 1936, Serial No. 81,829
16 Claims. (Cl. 77—3)



1. A control for a boring machine having a driven rotating part, and a rotatable part, one part being a work holder, the other part being a drill carrying rod, said control including, a pump, a drive between the pump and said rotatable part whereby the pump is driven by the rotation of said rotatable part resulting from engagement of the drill with the work, and means responsive to the fluid pressure developed by the pump for governing the discharge of the pump and thus govern the rotation of said rotatable part.

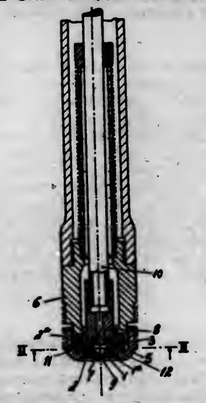
2,120,387
**DEVICE FOR BURNING ATOMIZED LIQUID FUEL**
Adolf Bargeboer, The Hague, Netherlands
Application March 9, 1934, Serial No. 714,791
In the Netherlands March 14, 1933
3 Claims. (Cl. 158—76)



1. In a device for burning a mist of atomized liquid fuel, a pressure spraying device for producing a mist of fuel, two air conduits coaxially arranged around said spraying device and opening substantially in the plane in which the fuel is discharged from the latter, the outside air conduit supplying air to support combustion, the inside air conduit supplying air to stabilize the flame, a pressure device supplying air to both conduits, baffle means within the outside air conduit for offering resistance to the flow of combustion air therethrough to keep the air pressure of the air discharged from this conduit at the point of ignition at a lower value than the pressure of the air discharged from the inside conduit so as to secure different air velocities at the nozzle ends of said air conduits and thereby prevent the formation of a stagnant space at the ignition point adjacent the tip of the nozzle.

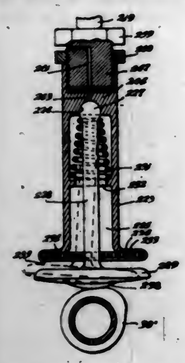
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2,120,388
**ATOMIZER FOR HYDROCARBONS**
Adolf Bargeboer, The Hague, Netherlands
Application December 15, 1937, Serial No. 179,813
In the Netherlands August 8, 1936
1 Claim. (Cl. 299—120)



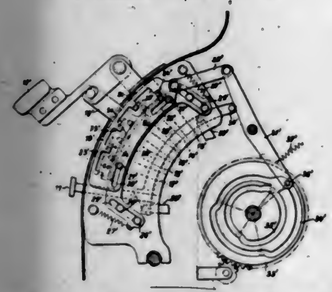
In a whirl atomizer for hydrocarbons such as fuel oil or asphalt, a whirling chamber comprising a wall portion containing a metal carbide.

2,120,389
**VALVE ACTUATING MEANS**
David C. Bettisen, Omaha, Nebr.
Application January 11, 1936, Serial No. 58,675
2 Claims. (Cl. 123—90)



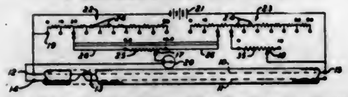
1. In an intermediary for use in internal combustion engines wherein a spring-closed valve is openable by pressure transmitted from a cam through the intermediary, comprising a tappet-stem, an oscillating tappet-foot having a protuberance thereon and operatively associated with the cam, the axis of said tappet-foot bisecting the axis of the cam, and means for yieldably centering the tappet-foot, said tappet-foot being adapted to be oscillated by the cam upon rotation thereof, and said protuberance being adapted to co-act with the cam to vary the effective length of the intermediary from a maximum effective length when the tappet-foot is in a centered position to a minimum effective length when the tappet-foot is at its outward limit of movement.

2,120,390
**BOOKKEEPING MACHINE**
Ernst Breitling, Essen-on-the-Ruhr, Germany, assignor, by mesne assignments, to The National Cash Register Co., Dayton, Ohio, a corporation of Maryland
Application September 4, 1934, Serial No. 742,540
In Germany September 8, 1933
19 Claims. (Cl. 235—6)



1. In a machine of the class described adapted to be controlled for a series of related operations, totalizer keys, a key depressing bar, and selecting mechanism for selectively connecting the keys to the bar in a predetermined succession during a related series of operations.

2,120,391
**MEASURING DEVICE**
Louis B. Butterfield, Short Hills, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 10, 1934, Serial No. 752,429
6 Claims. (Cl. 175—183)



1. An electrical measuring device comprising a first pair of decade sequences of standard electrical units all of identical electrical value, a second pair of decade sequences of standard electrical units each of one tenth the value of any unit of the first pair of sequences and one end terminal of one sequence of the second pair being connectible to any unit of one sequence of the first pair and the opposite end terminal of the second sequence of the second pair being connectible to the corresponding unit of the second sequence of the first pair, a connector unit identical in kind and total value with any unit of the second pair and connectible with fixed value by two terminals from any unit of one sequence of the second pair to a corresponding unit of the other sequence of the second pair, and means to connect the connector unit with continuously variable value to a third terminal.

2,120,392
**CONTINUOUS PROCESS FOR THE CHLORINATION OF KETONES**
Albert E. Calkins, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 30, 1937, Serial No. 182,445
6 Claims. (Cl. 260—134)

1. A continuous process of chlorinating aliphatic ketones which comprises introducing chlorine and a gaseous ketone into a reaction chamber, removing the product as soon as a reaction has occurred, cooling the product at least sufficiently to liquefy the chlorinated ketone, and passing the cooled product through a rectifying column.

2,120,393
**PRINTING INK**
Richard A. Crawford, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 12, 1935, Serial No. 54,087
1 Claim. (Cl. 134—17)

A printing ink containing as a vehicle heat-liquefied rubber.

2,120,394
**TREE FELLING DEVICE**
Erich Dästner, Berlin, Germany
Application November 21, 1936, Serial No. 112,027
In Germany December 17, 1935
4 Claims. (Cl. 143—63)



1. A tree felling device comprising in combination, a frame, a movable carriage thereon, a substantially horizontally-cutting saw on said carriage, a crank mechanism including pedals and cams, bearings supporting said pedal drive, a toothed wheel laterally guided by said bearings, a screw threaded central bore in said toothed wheel, and a screw threaded rod supported and secured against rotation in said frame and engaging with the screw threaded bore of said toothed wheel, said cams of the crank mechanism engaging with the teeth of said toothed wheel for automatically displacing the carriage on the frame when actuating the crank mechanism.



2,120,395
**EAVES TROUGH**
Alvin E. Dean, Glenwood, Iowa
Application December 23, 1937, Serial No. 181,425
4 Claims. (Cl. 108—28)



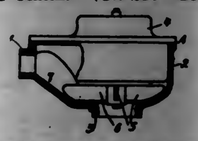
1. An eaves trough comprising a body portion having a rear wall, an upper substantially flat and horizontal wall integral with said body portion, said upper wall extending toward but terminating slightly short of the rear wall to provide a relatively narrow slot extending longitudinally of the trough and opening into the trough, said upper wall being perforated to provide further openings into the trough, all of said openings being adapted to permit ingress of water while substantially preventing ingress of leaves and the like into the trough.

2,120,396
**ELECTRICAL CONTACT MEMBER**
Joseph V. Domaleski, Irvington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 4, 1936, Serial No. 83,513
12 Claims. (Cl. 173—332)



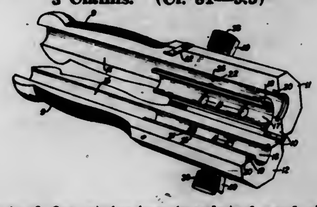
1. A contact member comprising a pair of elongated, linear juxtaposed fingers having substantially parallel longitudinal axes, one of said fingers having a terminal engaging portion twisted about the longitudinal axis thereof and defining with the other of said fingers an elongated channel extending longitudinally of said fingers.

2,120,397
**DUST ASPIRATOR**
Fritz Dürr, Berlin-Friedenau, Germany
Application November 18, 1935, Serial No. 50,375
In Great Britain September 24, 1934
1 Claim. (Cl. 230—133)



A pot-shaped aspirator casing open at one side and having cylindrical extensions integral therewith for inlet and outlet of air, said extensions being disposed in the direction of the longitudinal and transverse axes respectively of the device and a motor casing having an upper hood and disposed within the aspirator casing, said aspirator casing being closed by the upper hood of the motor casing.

2,120,398
**CABLE STRIPPING TOOL**
Paul G. Edwards, Verona, Homer G. Jordan, Fanwood, and Samuel P. Shackleton, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 16, 1937, Serial No. 120,902
3 Claims. (Cl. 81—9.5)



1. A tool for stripping insulated and shielded cable comprising a pair of hingedly joined elongated members, said members having grooves therein forming when closed a bore for confining a cable therein, means on said members for maintaining them in a closed position, a plurality of adjustable knives transversely mounted in said members and having their upper ends projecting beyond the outer surface of said members, means on said knives for maintaining them in a retracted position, means on said knives for adjusting the amount of downward travel of said knives when pressure is applied to the top thereof, and means for maintaining said knives in a depressed position.

2,120,399
**SAFETY RAZOR**
Henry Elliott, Streatham, London, England
Application July 7, 1936, Serial No. 89,442
In Great Britain July 10, 1935
6 Claims. (Cl. 30—85)

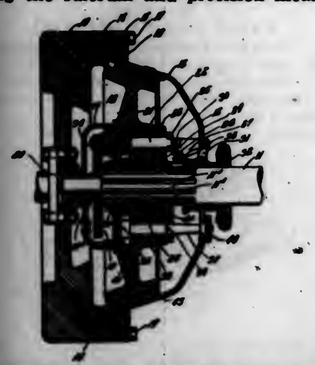


1. A safety razor comprising a blade holder, a handle, a resilient member connected at one end to said handle and adapted to yield by flexure substantially in one plane only, means for connecting the other end of said resilient member to said blade holder so that the angular relationship between the direction of flexure of the said resilient member and the edge of the blade holder may be adjusted to choice, and means other than said resilient member for counteracting torsional twisting of said member during attachment and detachment of the handle and said resilient member to and from the said blade holder.

2,120,400
**ASSEMBLY FOR CLUTCHES AND THE LIKE**
Thomas L. Fawick, Akron, Ohio
Application September 8, 1936, Serial No. 99,867
26 Claims. (Cl. 192—66)

1. The combination of relatively rotary members adapted for frictional engagement with each

other, means comprising levers operatively connecting them for actuation, and means for shifting the fulcrums of the levers with relation to the one of said members which provides its fulcrum, the fulcrum-shifting means comprising a circumferentially-spaced series of bars slidably mounted for adjustment with relation to the said member providing the fulcrum and precision means for



so adjusting the bars, said precision means comprising a set of cup-shaped members threaded upon the respective bars and each having an axially-projecting stem, means engaging said stems for rotatably holding the cup-shaped members in place, and means for concurrently rotating the cup-shaped members with relation to the bars.

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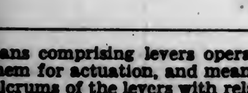
2,120,401

## SULPHO-ACETONITRILE DYESTUFFS

Friedrich Felix and Wilhelm Huber, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application April 3, 1936, Serial No. 72,644. In Switzerland April 5, 1935
7 Claims. (Cl. 260—99.30)

1. The sulpho-acetonitrile dyestuffs of the general formula



wherein $R_1$ represents a radical of the group consisting of aryl, alkyl, aralkyl and cycloalkyl, $R_2$ and $R_3$ represent members of the group consisting of substituted and unsubstituted alkyl radicals of which at least one is substituted by an OR group in which R stands for a member of the group consisting of hydrogen, alkyl and an organic acyl radical, which products do not form salts stable in water with alkalies, and are yellow to orange colored powders dissolving in ethyl acetate to similar solutions and dyeing cellulose esters and ethers similar tints.

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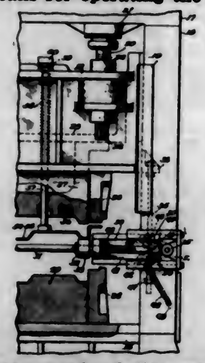
2,120,402

## DRAWING PRESS

Rudolph W. Glasner, Chicago, Ill.

Application October 3, 1936, Serial No. 103,901
12 Claims. (Cl. 113—50)

1. In a press, a frame, a press bed, a die slide movable in the frame, means for operating the slide, an endless traveling receiver for receiving the work after it has been shaped, magnetic means for raising the work with the slide, means operating automatically to bodily position the receiver beneath the slide to receive the work after it is raised by the slide and while still in this position operating to remove the work from the press, means for stripping the work from the slide, and means for operating the receiver.



10. In a press, a pair of dies one of which is movable toward and away from the other, means for causing the work to move with the movable die, article delivery means for receiving the article after it has been shaped, said delivery means embodying supports and members mounted for movement with and with respect to such supports, said delivery means being normally disposed in an inactive position to the side of and out of the plane of operation of the dies, means for bodily moving said supports to position some of said members in an active position between the dies and beneath the work when the dies are separated, and means for actuating said members with respect to said supports, those of said members which are between the dies, and while in such position, receiving and operating to deliver the article out of the press.

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2,120,403

## CAN TOP LABEL

Truman M. Godfrey, Winchester, Mass., assignor to Lever Brothers Company, a corporation of Maine

Application June 23, 1936, Serial No. 86,734
7 Claims. (Cl. 40—7)



6. In combination with a can having closed ends, a flange surrounding one of said ends, said flange having an annular recess therein partially defined by a shoulder projecting from the end of the can and a label having a greater dimension than the opening defined by the flange adjacent the recess and adapted to be retained in said annular recess and bearing against the shoulder whereby the label is maintained in spaced relationship to the said end and forms therewith a compartment.

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2,120,404

## SAMPLE HOLDER

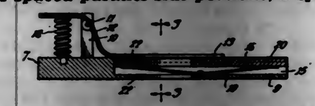
John H. Graff, Appleton, Wis., assignor to The Institute of Paper Chemistry, Appleton, Wis., a corporation of Wisconsin

Application May 17, 1937, Serial No. 142,995
2 Claims. (Cl. 88—40)

1. In a sample holder for microscopes, a bed plate, the central portion of which is cut away to



define a relatively wide slot, a rest plate having a generally flat upper surface said rest plate being positioned within said slot and being movable in a direction generally perpendicular to the base plane of said bed plate, a spring for biasing said rest plate upwardly relative to said bed plate, a fork-shaped sample engaging member pivotally supported on said bed plate and comprising a pair of spaced parallel side portions, a spring for



biasing said member towards the bed plate, each side portion, when in contact with the bed plate, being positioned to overlie contiguous portions of the bed plate and rest plate, said last-named spring being stronger than said first-named spring whereby said side portions may contact a sample in position on the rest plate and maintain the sample within the plane of the upper surface of the bed plate.

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2,120,405

## METHOD OF PREPARING HORMONES

Edwin L. Gustus, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich.

No Drawing. Application April 29, 1935, Serial No. 18,916
8 Claims. (Cl. 167—74)

1. The method of producing for parenteral injection a sterile solution of gonadotropic hormonal substances of the type existing in the blood or uterine tissue of animals of the equine group during early pregnancy, comprising adding to a purified aqueous solution of said hormonal substances an alkaline buffer salt selected from the group consisting of disodium phosphate and dipotassium phosphate, controlling the quantity of said alkaline buffer salt so that the solution will be maintained over 7.5 during the manipulation and filtration of the material, and so that the final product when acidified to the desired pH will be substantially isotonic with blood, filtering the solution through a bacteriological filter of the Mandler or Pasteur-Chamberland type, adding to the filtered solution an acidifying substance selected from the group consisting of phosphoric acid, sodium acid phosphate and potassium acid phosphate so that the final solution will be sufficiently acid to best preserve the hormonal substances without being objectionable for parenteral injection and will be substantially isotonic with blood.

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2,120,406

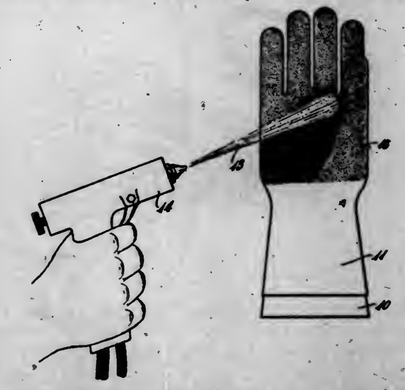
## RUBBER GLOVE AND METHOD OF MAKING THE SAME

Merrill E. Hansen, Akron, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware

Application December 30, 1933, Serial No. 704,724
13 Claims. (Cl. 18—58)

1. A glove comprising a rubber glove body having at least a portion of its surface provided with adherent projecting masses of rubber producing a non-slip surface, said adherent projecting masses of rubber being coagulated globular particles of latex rubber having irregular configurations but blending smoothly with the glove body in such manner as to provide a high degree of frictional resistance with minimum harshness in feel.

5. The method of making a vulcanized rubber article comprising a rough surface having non-slip characteristics which comprises producing, by deposition from a liquid dispersion of rubber upon a shaped form, an unvulcanized rubber body constituting the article proper, treating the body to render its surface capable of coagulating liquid rubber latex droplets substantially immediately upon contact therewith, uniformly distributing over at least a portion of said surface a



multitude of small droplets of liquid rubber latex in a quantity insufficient to produce a continuous coating, whereby the latex droplets are coagulated substantially without flow to produce a multitude of small irregularly shaped deposits of unmasticated latex rubber adhered to and uniformly distributed over the said surface, and vulcanizing the article.

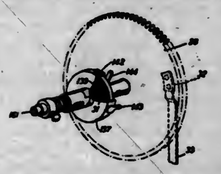
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2,120,407

## TIMING APPARATUS

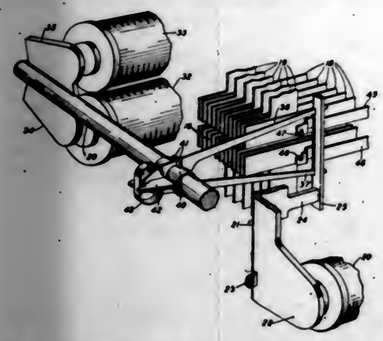
Frank Hardy, Ramsey, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 25, 1936, Serial No. 102,481
7 Claims. (Cl. 192—150)



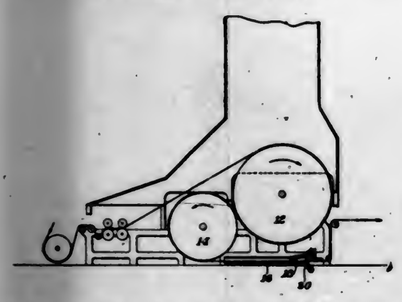
1. A timing mechanism comprising a rotatable driven member biased to a definite normal position, a driving member, means for engaging said driven member and said driving member, a coiled spring effective after disengagement of said members for restoring said driven member to its normal position, one end of said coiled spring being fastened to said driven member, rotatable means fastened to the other end of said coiled spring, means for preventing said rotatable means from rotating to any substantial extent in one direction while permitting its rotation in the other direction when the applied force exceeds a definite minimum, the rotation of said driven member tending through said spring to rotate said rotatable means in said other direction and positive driving means carried by said driven member for causing rotation of said rotatable means in said other direction.

2,120,408
**SELECTIVE SWITCH**
Clarence N. Hickman, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 18, 1936, Serial No. 96,573
8 Claims. (Cl. 179—27.54)



1. The combination in a switch of a set of contacts, a rotatable bar, a non-flexible contact-operating finger having one end loosely engaging said bar to permit universal movement of its free end relative to said bar, means for causing said finger when unrestrained to participate in the movements of said bar and for permitting the bar to move independently of the finger when the latter is under restraint, and means acting on the free end of said finger to cause the operation of said contacts.

2,120,409
**APPARATUS FOR TREATING COTTON AND YARNS**
George Hill, Wellford, S. C.
Original application February 14, 1934, Serial No. 711,141. Divided and this application January 14, 1936, Serial No. 59,040
2 Claims. (Cl. 28—28)



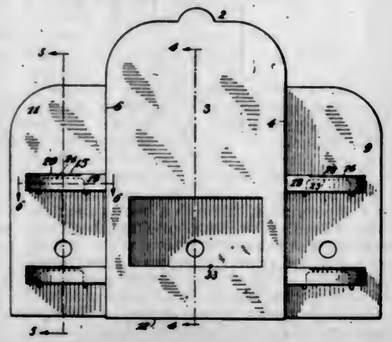
1. In a machine for sizing and finishing warp-yarns, a tunnel through which said yarns travel in sheetlike form, a plurality of nozzles positioned adjacent the exit end of said tunnel, means for supplying water under pressure to said nozzles, said nozzles being directed to deliver water in a direction opposite to the direction of travel of the yarns, and means for supplying a blast of air to the water sprayed by the said nozzles to distribute the water evenly over the yarns, substantially as set forth.

2,120,410
**YEAST NUTRIMENT CONTAINING LIVER OIL AND METHOD OF MANUFACTURING THE SAME**
Matajiro Kawata, Denen Chofu, Omori-ku, Tokyo, Japan, assignor to Kabushiki Kaisha Wakamoto Henpo Eiyo To Ikuji No Kai, Tokyo, Japan, a corporation of Japan
No Drawing. Application October 19, 1936, Serial No. 106,488
3 Claims. (Cl. 99—97)

1. Method of manufacturing yeast nutriment containing liver oil which consists in extracting oil from soy beans, impregnating the residue with liver oil, adding a sugar solution and yeast to the impregnated residue, maintaining the mixture at a temperature of 50 to 60° C. to autolyze the yeast, into a semi-fluid state, mixing the product with dried yeast powder and finally drying the product.

3. Yeast nutriment containing liver oil comprising yeast coated drops consisting of a mixture of powdered defatted soy beans impregnated with liver oil, sugar and autolyzed yeast.

2,120,411
**DISPLAY DEVICE**
Albert Koeble, Irvington, N. J., assignor to American Lithographic Division of the United States Printing and Lithograph Company, a corporation of Ohio
Application March 23, 1937, Serial No. 132,475
7 Claims. (Cl. 211—135)



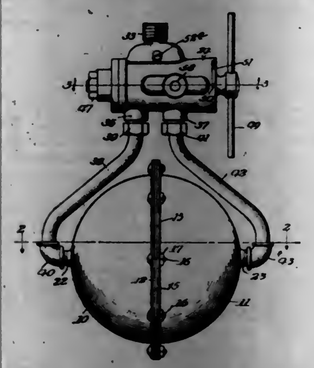
1. A display device including in combination a main member comprising a mid-panel, opposite side panels articulated to said main panel, opposite end panels articulated to said side panels, said side panels extending backwardly from said mid-panel and said end panels extending outwardly from said side panels, all respectively, a shelf having a mid-panel with a flange articulated to its rear edge, openings through the side panels of said main member for the reception of said shelf, ledges at the lower edges of said openings for the support of said shelf respectively, and a back member, said shelf mid-panel flange being articulated to said back member.

2,120,412
**MEASURING DEVICE**
Vincent S. Kucki, Chicago, Ill.
Application February 10, 1937, Serial No. 124,992
9 Claims. (Cl. 221—102)

1. A measuring device for liquids embodying a chamber, two compartments in the chamber out

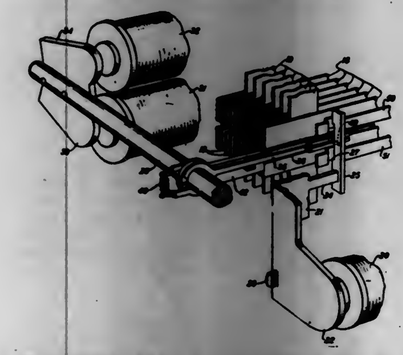


of communication with each other, a combined inlet and outlet for each compartment, a valve casing, ports in said casing with which the said inlets and outlets have communication, a supply port and a discharge outlet for said casing, a valve in the casing, ports and passages in the valve, certain of said ports and passages serving when the valve is rotated to cause the liquid to be delivered into one of the compartments from the supply, certain others of said passages per-



mitting discharge of the liquid from the other of said compartments, means whereby the delivery of liquid into one of the compartments will cause a discharge of the liquid from the other compartment, and an additional passage in said valve operating when the supply and discharge outlet of the said compartments are cut off, to connect the supply inlet to the valve casing directly with the discharge outlet of the valve casing.

2,120,413
**SELECTIVE SWITCH**
William H. Matthies, Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 18, 1936, Serial No. 96,574
13 Claims. (Cl. 179—27.54)



1. The combination in a switch of contact sets, a rotatable bar, a pair of contact-operating fingers supported on said bar, and means for rotating said bar to move either one of said fingers to its operative position without moving the other finger.

2,120,414
**HOSE SUPPORTER**
John Jay McKelvey, New York, N. Y.
Application September 26, 1936, Serial No. 102,692
2 Claims. (Cl. 241—1)



1. A hose supporter comprising a stiff resilient member having its lower terminal shaped to form downwardly and outwardly arched prongs adapted to engage the heel and having a hose fastening device formed at the top of the member to engage the upper edge of the hose.

2,120,415
**COUPLING DEVICE FOR MOTOR LORRY TRAINS**
Gustav Meyer, Hanover, Germany
Application April 9, 1936, Serial No. 73,548
In Germany November 2, 1935
1 Claim. (Cl. 280—33.15)

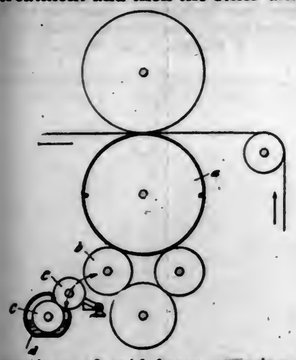


A self acting coupling device for motor lorry trains comprising, in combination, two horizontally movable jaws forming a spherical seat carried by the lorry, a shaft carried by the trailer, a spherical stud carried by said shaft adapted to engage in said spherical seat closing the jaws, a pivotally mounted bolt for locking said jaws closed, a pivotally mounted spring controlled hand lever for actuating said locking bolt, the pivot of the hand lever being spaced from the pivot of the locking bolt, an arm carried by the pivot of the hand lever, an arm carried by the pivot of the locking bolt, a link connecting said arms, a plate mounted below the jaws and inclined members carried by said plate for guiding the spherical stud into the spherical seat.

2,120,416
**PROCESS OF MANUFACTURING CHEMICAL PICTURE CARRIERS**
Carl Renck and Hans Hermann Heinrich Renck, Hamburg, Germany
Application May 8, 1935, Serial No. 20,418
In Germany May 18, 1934
3 Claims. (Cl. 41—41.5)

3. A process of manufacturing chemical picture carriers, consisting in providing an iron base plate with a covering of brass, applying the picture onto said covering, covering the portions of the covering not covered with the picture with an aqueous solution of mercury nitrate, then with an aqueous

solution of silver nitrate and in continuing first the one treatment and then the other until these



treated portions of said brass covering project above the picture.

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2,120,417

## ART OF PREPARING VISCOSE

George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine

No Drawing. Application June 25, 1937, Serial No. 150,323

11 Claims. (Cl. 260—100)

1. A process of preparing cellulose xanthate solution, which comprises treating cellulose fiber with a solution of an oxidant, continuing the treatment until the oxidant is substantially consumed, and, in the presence of substantially all the oxidant reaction products, treating the fiber admixed with caustic soda solution in the form of substantially individualized fiber suspension with carbon bisulphide to form a cellulose xanthate solution.

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2,120,418

## INTERCHANGEABLE SIGN

Martin A. Sorensen, Lincoln, Nebr.

Application July 17, 1937, Serial No. 154,247

5 Claims. (Cl. 40—68)




1. An interchangeable sign including a main or base panel in octagonal form having three bands of indicia, the middle band being in rectangular form and the other two bands being in trapezoidal form, and a pair of supplemental panels hingedly secured to said main panel on opposite edges of the middle band thereof, said supplemental panels each having substantially the form and dimensions of the middle band of said main panel whereby said supplemental panels may both be folded over the middle band of said main panel to provide a sign of octagonal form or folded over the end bands of said main panel to provide a sign of rectangular form.

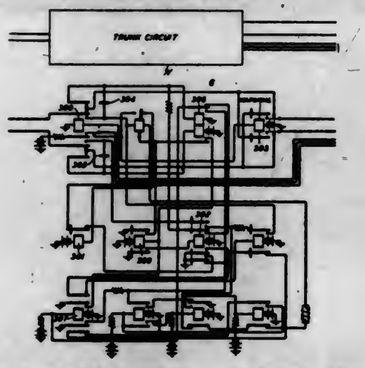
2,120,419

## TELEPHONE SYSTEM

Ray L. Stokely, deceased, late of Floral Park, N. Y., by Grace MacDonald Stokely, executrix, Floral Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 21, 1936, Serial No. 106,754

13 Claims. (Cl. 179—17)




1. In a telephone system, a cross-bar switch including select magnets, lines terminating in said switch, register relays, means including said select magnets and register relays for establishing a connection between a calling line and a called line through said switch, and means including said select magnets and register relays for thereafter transmitting ringing signals to the called line.

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2,120,420

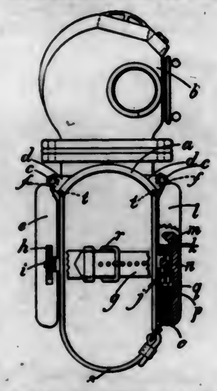
## BALLAST WEIGHTS FOR DIVING SUITS

Ernst Töpper, Berlin-Neukölln, Germany, assignor of one-half to William Hamilton Martin, London, England

Application November 24, 1937, Serial No. 176,333

In Germany November 25, 1936

11 Claims. (Cl. 61—70)



1. Ballast weight attachment and release means for diving suits, comprising cooperating attaching means on the weight and suit for supporting the weight, said attaching means providing for automatic release of the releasing means from the suit by relative movement of the weight through an arc not exceeding 90°, and manually



operable means for preventing such angular movement normally but permitting it on occasion.

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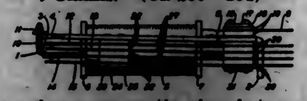
2,120,421

## RELAY

Harold N. Wagar, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 4, 1937, Serial No. 162,431

7 Claims. (Cl. 200—104)



1. In a relay, a supporting bracket, a core attached thereto, an armature hinged to said bracket and cooperating with said core, and contact bearing springs insulatedly supported at one end on said bracket and insulatedly supported intermediate their ends on said armature whereby cooperation between the contacts of said springs is controlled by the movement of said armature.

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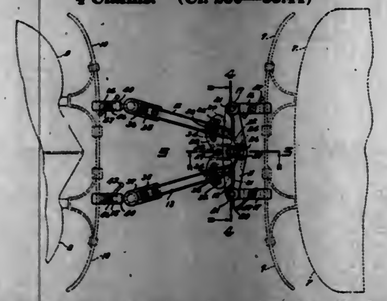
2,120,422

## AUTOMOBILE TOWING DEVICE

Chester Williams, Dearborn, and Clayton A. Negar, Dundee, Mich.

Application September 2, 1937, Serial No. 162,176

4 Claims. (Cl. 280—33.44)



1. In a device of the character described, the combination of a yoke terminating at either end in a clevis, a clamp jaw pivoted in each clevis, a plate rockingly mounted to said yoke, two spaced apart arms pivoted to said plate, each arm having a clamp jaw secured at its free end with a ball and socket joint.

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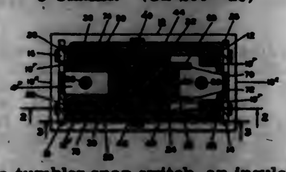
2,120,423

## ELECTRIC TUMBLER SWITCH

Robert H. Bentley, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut

Application February 7, 1936, Serial No. 62,845

5 Claims. (Cl. 200—16)



1. In a tumbler snap switch, an insulating casing, fixed contacts mounted at opposite ends and



extending toward the center of the casing, an insulating plate parallel to the side wall of said casing and movable between said contacts and forming a baffle between them in open circuit position of the switch, a bridging contact mounted on said plate and adapted to bridge said fixed contacts, snap mechanism for moving said plate, insulating plates inserted in slots in said casing on opposite sides of said snap mechanism and shielding said fixed contacts from said snap mechanism, said inserted plates supporting said snap mechanism.

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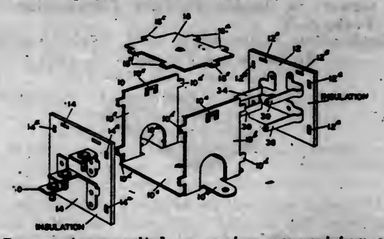
2,120,424

## ELECTRIC SWITCH

Edward E. Forstrom, Stratford, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut

Application July 13, 1935, Serial No. 31,270

9 Claims. (Cl. 200—6)




1. In a rotary switch, a casing comprising an integral metallic stamping having plane parallel walls and a plane connecting surface perpendicular to said walls, a plurality of sets of insulating plates any of which may be secured across the open sides of said stamping, fixed and movable contacts mounted on said plates, said fixed and movable contacts being secured on said sets of insulating plates in different arrangements whereby a choice of various switching combinations and sequences is available by the use of one or another of said plurality of sets of plates, and a cover plate, said cover plate and said connecting surface having aligned bearings, in combination with a spindle mounted in said bearings, and means on said spindle for operating said movable contacts.

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2,120,425

## PERAMBULATOR

Peter Frey, Chicago, Ill.

Application December 10, 1936, Serial No. 115,203

2 Claims. (Cl. 280—36)



1. In a device of the kind described the combination of a main body supporting frame comprised of spaced seat supporting side rails, said

side rails being formed to provide a closure at one end providing a foot rest, said frame being formed at said last mentioned end to provide a shank and a bifurcation for the reception of a truck, a seat located between said side rails, elements pivotally secured to the respective side rails providing a truck frame, a collapsible strut extending between said truck frame and being connected to the shank of the main frame, a member carried by the truck frame and connecting said elements of the truck frame and a member extending across the space between the side rails of the main frame to which said seat is connected, said truck frame providing means causing distention and collapse of said seat portion upon movement of said truck frame relative to the main frame.

### 2,120,426
### ELECTROLYTIC CONDENSER

Werner Herrmann, Finkenkrug, Germany, assignor to Radio Patents Corporation, New York, N. Y.

Application February 7, 1936, Serial No. 62,752
In Germany February 13, 1935
13 Claims. (Cl. 175—315)

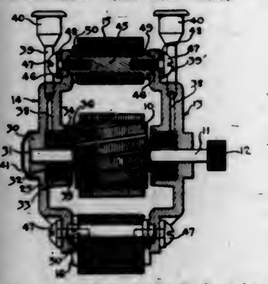


1. In an electrolytic device, a pair of electrodes, at least one of said electrodes having a layer of viscose sponge adhering thereto, said layer between said electrodes, and an electrolyte absorbed by said layer.

### 2,120,427
### MOTOR

Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application July 24, 1936, Serial No. 92,827
8 Claims. (Cl. 171—252)



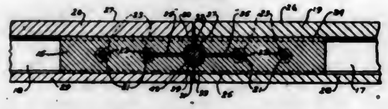
1. In a motor, a rotor, a shaft for the same, a core adapted to cooperate with said rotor, end bearing plates for supporting said shaft, and means for clamping said core between said end plates in assembled relation therewith with a fixed spacing between said end plates regardless of the thickness of said core.

### 2,120,428
### RAIL JOINT AND METHOD OF MAKING THE SAME

Harry R. Lee, White Plains, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application February 28, 1934, Serial No. 713,278
18 Claims. (Cl. 238—243)

1. A method of crowning a fishing surface of a rail joint bar, which comprises longitudinally slotting said bar intermediate its ends, enlarging the slot at a midportion thereof to provide a curved bearing surface of relatively large area free from abrupt changes in cross-section, slowly

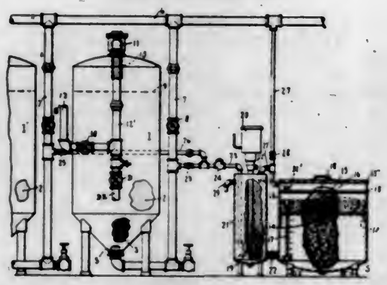


expanding the slot at a regulated rate by forces applied to the said bearing surface approximately uniformly across the entire thickness of the bar, thereby forming a crowned area in said fishing surface, and locking the slot in its expanded condition.

### 2,120,429
### WATER SOFTENING APPARATUS

John H. Nash, Dayton, Ohio

Application February 27, 1936, Serial No. 65,986
1 Claim. (Cl. 210—24)



In a water softening apparatus, a mineral tank, a brine tank supported independently of said mineral tank, a salt support in said brine tank located intermediate the top and bottom thereof so as to provide in effect a compartment for the brine below said support and a compartment for fresh water above said support, a pump, a housing for said pump having its lower end in communication with the lower end of said brine tank, said pump being located in the brine in said housing, a communication between said pump and said mineral tank, and means for supplying fresh water to the upper ends of the pump housing and the brine tank.

### 2,120,430
### STABILIZED SOLID HYDROGEN PEROXIDE PREPARATION

Alfred Rieche, Wolfen Kreis Bitterfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application January 5, 1934, Serial No. 705,460. In Germany January 7, 1933
6 Claims. (Cl. 167—72)

1. A hydrogen peroxide preparation suitable for the manufacture of antiseptic tablets, candies, pills and the like comprising a solid hydrogen peroxide compound containing a stabilizer, which hydrogen peroxide compound has been impregnated with an inert organic substance selected from the group consisting of paraffin, waxes, fats, the higher fatty acids and alcohols, and then mixed with a sugar as a diluent.



### 2,120,431
### THERMAL INSULATING COMPOSITION

William L. Stafford, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

No Drawing. Application March 9, 1935, Serial No. 10,338
3 Claims. (Cl. 106—9)

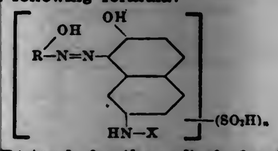
1. A thermal insulating layer comprising contacting granules of diatomaceous earth and a binder therefor, the binder being contained mainly in the outer surface portion of the layer, bonding together the granules in the said portion, and embodying the product of the reaction at an elevated temperature of a limited proportion of a mild silica flux and diatomaceous earth, and the granules inside the said layer being substantially not bonded to each other.

### 2,120,432
### O-HYDROXYAZO DYESTUFFS

Paul Zervas, Cologne-Muhlheim, and Paul v. Lendenfeld, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application May 2, 1936, Serial No. 77,637. In Germany May 23, 1935
5 Claims. (Cl. 260—93)

1. Water-soluble azodyestuffs selected from the group consisting of compounds having in the free state the following formula:

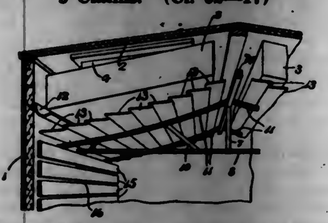


wherein R stands for the radical of a diazotized aromatic amine bearing the hydroxy group in ortho position to the azo group, X stands for a member selected from the group consisting of hydrocarbon radicals and hydroxy-, halogen- and alkoxy-substituted hydrocarbon radicals, *n* stands for a whole number, and such derivatives thereof in which the naphthalene nucleus is substituted by substituents selected from the group consisting of halogen, the sulfonic acid and the carboxylic acid group, dyeing wool, when afterchromed dark violet to blue to black shades of good fastness to fulling, steaming and light.

### 2,120,433
### REFRIGERATOR CAR

Jerold H. Van Alsburg, Chicago, Ill.

Application December 28, 1936, Serial No. 117,871
5 Claims. (Cl. 62—17)



1. A refrigerator car having a roof and vertical sides, a plurality of refrigerating elements located in spaced end to end relation lengthwise of the car at each side of the central longitudinal vertical plane of said car, said elements being inclined downwardly and outwardly and at their outer sides being spaced from the sides of the car, longitudinal drain troughs located underneath the outer lower corners of said elements, a plurality of longitudinal plates underneath said elements disposed in overlapping spaced apart relation at adjacent edge portions, said plates being spaced from the undersides of said elements and extending generally downwardly and outwardly, the outermost of said plates at each side of the car being spaced a short distance from the inner side of the adjacent vertical side of the car, the plates under each element at each end extending a short distance beyond the corresponding ends of the elements, and the outermost and innermost plates under each element extending respectively beyond the outer and inner sides of the elements with which associated.

### 2,120,434
### VEHICLE TOP FABRIC

Edwin C. Clayton, Baltimore, Md., assignor to William E. Hooper & Sons Company, Woodberry, Baltimore, Md., a corporation of Maryland

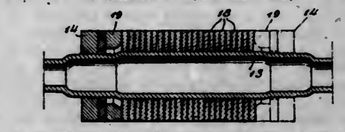
No Drawing. Application October 27, 1936, Serial No. 107,797
5 Claims. (Cl. 91—68)

1. A fabric covering for vehicle tops, the same consisting of a cotton base fabric of shrunken dimension, coated and impregnated with latex vulcanized therein, the coating containing a solid reflecting filler which is free of copper and manganese and embodied in the vulcanized material the fabric being highly elastic and capable of local stretching and distortion to conform to the curvature of vehicle tops without injury and without wrinkling, being held yieldingly in its shrunken dimension by the vulcanized material.

### 2,120,435
### TRANSPORTING AND GUIDING MEANS

Louis Desbordes, Machemont, and Pierre Bertrand, Paris, France, assignors to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint Gobain, Chauny & Cirey, Paris, France

Original application November 28, 1934, Serial No. 755,098. Divided and this application May 2, 1936, Serial No. 77,480. In France December 1, 1933
4 Claims. (Cl. 49—14)



1. A method for the manufacture of a roller constituted by a support and a plurality of similar uniform discs made of the same compressible heat-resisting material, carried by said support, which comprises placing the discs one next to the other upon the support and then compressing the outer parts of the discs more than their central parts.

### 2,120,436
### ADJUSTABLE TELESCOPING HANGER FOR DRYING CLOTHES

Harold J. Fallot, Teaneck, N. J.

Application August 25, 1936, Serial No. 97,767
2 Claims. (Cl. 211—118)

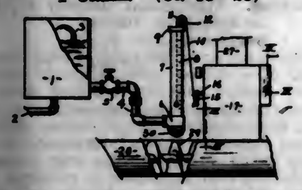
1. An adjustable coat hanger, comprising in combination: a central hanger hook with a

straight and screw threaded stem; a central arm carrying bar fixed to the said hanger stem, telescoping hanger arms hinged to the said arm carrying bar; an arm setting and supporting bar with a central hole receiving said hanger stem and with upturned ends having means for supporting and setting the hanger arms; and a setting knob or disk with a central threaded bore screwed on the hanger stem for engagement with said arm setting and supporting bar for raising or lowering the arm supporting bar on the hanger stem.



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2,120,437
**MACHINE FOR THE INTRODUCTION OF MOISTURE TO WHEAT OR THE LIKE**
Glen V. Feese, Wichita, Kans., assignor of one-half to Kansas Milling Co., Wichita, Kans., a corporation of Kansas
Application January 31, 1935, Serial No. 4,418
1 Claim. (Cl. 83—28)

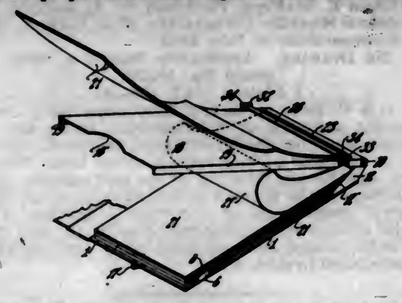


In a moisture control for wheat or the like, in combination with a wheat conducting spout and a wheat conveyor, a housing functioning as a hopper for the said conveyor and being attached thereto and communicating with the interior thereof, the conveyor having an opening through its upper portion, a water supply and ball valve therefor, the valve having a nozzle in registry with the opening in the conveyor as means to inject water therein, the said spout arranged to discharge wheat in one side of the housing medially thereof and from thence to the conveyor, the housing having a plate pendentally trunnioned therein adjacent the spout, a shaft trunnioned in the housing, said shaft having a crank arm on one end and a sprocket wheel on the other end, said crank and sprocket external of the housing, and a sprocket wheel secured to the pendent supporting means of the plate, said sprockets having a chain in mesh therewith, by which means, when the plate is rocked by wheat from the spout, the crank is rocked as closing means for the said ball valve and opening means therefor when the plate is disengaged by the wheat or the housing congested therewith, all substantially as shown and described.

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2,120,438
**COUNTER SALES BOOK**
Edward Hane, Holyoke, Mass.
Application August 5, 1936, Serial No. 94,308
5 Claims. (Cl. 282—3)

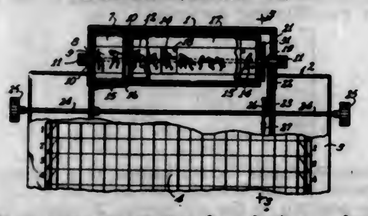
4. In a sales book, a base plate provided with opposed bracket members at one end thereof, a writing plate provided with downwardly projecting side flanges and having said flanges pivotally connected on said brackets, said writing plate being provided with a transverse slot at the end adjacent said brackets, oppositely disposed portions of said flanges being clipped and reversed to project upwardly above said writing plate, said portions being provided with slots, flexible metallic strips provided with tapered ends removably



supported on said writing plate with said tapered ends engaged in said slotted portions, said strips serving as anchoring means for transfer sheets.

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2,120,439
**FOOTBALL GAME**
William F. Jamison, Santa Monica, Calif.
Application July 14, 1936, Serial No. 90,518
Renewed November 22, 1937
1 Claim. (Cl. 273—94)



In a game apparatus for playing a football game, the combination of a substantially cylindrical casing having a longitudinally extending window therein with a zone scale extending longitudinally with said window, a selector drum and a result drum mounted for rotation at will within the said casing, said selector drum having means on the periphery thereof for indicating different plays to be selected by the player, said result drum having a plurality of sets of means for indicating results of a play including losses or gains for the player, means for yieldingly holding the selector drum and the result drum in different positions so that the indicating means for the results of different plays register with the said window in the casing, an outer drum rotatably supported in said casing and enveloping the result drum and having a plurality of windows therein for registering with the different result indicating means on the result drum, means for spinning the outer drum and for arresting the same with any one of the windows therein registering with an indicated result of the play, on the said result drum, a board rigid with the said casing having divisions thereon representing a football field, and a zone scale extending longitudinally with the casing window, said board having longitudinal numbered zones corresponding with the zone scale and cooperating with the zone scale to enable a die representing a football to be placed in a zone on the field indicated by the zone scale after the outer drum has been spun, said result indicating means on the inner drum being arranged in circumferential rows on the drum aligning with the numbers on the said zone-scale.



2,120,440
**GAME APPARATUS**
Eugene Kramer, Percy Shields, and Milton Gitelson, Los Angeles, Calif., assignors to Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application July 18, 1936, Serial No. 91,355
14 Claims. (Cl. 273—121)



1. Ball controlled means for use in ball game apparatus having ball moving means and an inclined playboard, said ball controlled means being operable to automatically release a determined number of stored balls for play one at a time and including an inclined storing member with electrically operable means for releasing balls therefrom one at a time, a manually operable control device for initially actuating said last mentioned electrical means, and the latter thereafter being operable by the return of played balls to said storing means until all but one of said determined number of balls have been played and returned to said storing member.

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2,120,441
**PROCESS FOR APPLYING SILVER HALIDE COLLOID LAYERS WITHOUT DISTORTION ON FUTURE PRINTING FORMS**
Ferdinand Leiber, Berlin-Friedrichshagen, Germany, assignor to Naamlooze Vennootschap: Nederlandsch Laboratorium de Spaarnestad, Haarlem, Netherlands, a corporation of the Netherlands
No Drawing. Application July 10, 1935, Serial No. 30,768. In Germany April 6, 1935
3 Claims. (Cl. 95—5.6)

3. A process for applying silver halide colloid layers without distortion on to future printing forms, comprising applying a silver halide colloid to a porous paper support, photographically producing a latent image in said silver halide colloid layer, moistening the surface of said printing form, applying the colloid layer to the moistened printing form, developing and hardening said colloid layer through said porous paper support, and then drawing off the porous paper support from the hardened colloid layer.

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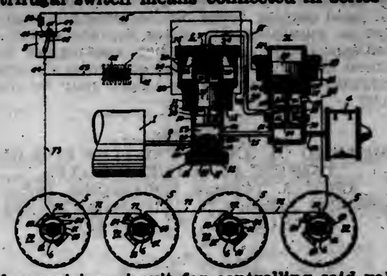
2,120,442
**LAPPING COMPOUNDS**
Alexander Lindenberg, Selkirk, Manitoba, Canada
No Drawing. Application June 11, 1937, Serial No. 147,788. In Canada July 27, 1935
5 Claims. (Cl. 51—280)

2. A plastic finishing or lapping compound comprising carbon, manganese dioxide, woodgum resin and a hydrocarbon binder.

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2,120,443
**METHOD AND APPARATUS FOR BRAKING**
Theodore H. Scheepf and David M. Ritchie, Cincinnati, Ohio, assignors to The Cincinnati Traction Building Company, Cincinnati, Ohio, a corporation of Ohio
Application June 8, 1937, Serial No. 147,970
14 Claims. (Cl. 303—21)

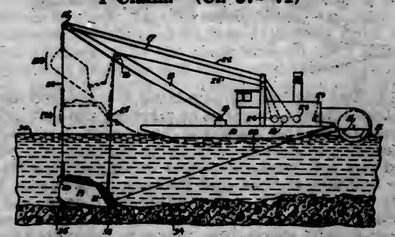
12. In brake control means, an electromagnetic fluid pressure retaining valve, an energizing circuit therefor, and a plurality of axle supported centrifugal switch means connected in series in



said energizing circuit for controlling said valve means.

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2,120,444
**APPARATUS FOR DREDGING**
Charles T. Smith, The Dalles, Oreg.
Application February 24, 1936, Serial No. 65,276
1 Claim. (Cl. 37—71)



In an apparatus of the class described, the combination of a self-propelled boat having a driving means at one end thereof and having a boom projecting longitudinally from the opposite end thereof, a dredge bucket having its cutting edge facing the propelling end of the boat and having cables for attaching the cutting end of said bucket to the propelling end of said boat, a pair of sheaves mounted on the projecting end of said boom, cable-winding mechanisms mounted on said boat having cables passing over said sheaves to the front and rear ends of said bucket, and means for operating said cable-winding mechanisms independently.

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2,120,445
**DISPLAY DEVICE**
John R. Sutton, New York, N. Y., assignor to I. Miller & Sons, Inc., Long Island City, N. Y., a corporation of New York
Application March 26, 1936, Serial No. 71,066
3 Claims. (Cl. 35—57)



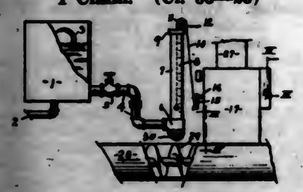
1. A form for depicting the appearance of a shoe upper, comprising a body shaped to simulate the appearance of the foot and ankle, and a removable thin coating of latex formed directly on said body and carrying on its outer surface the

straight and screw threaded stem; a central arm carrying bar fixed to the said hanger stem, telescoping hanger arms hinged to the said arm carrying bar; an arm setting and supporting bar with a central hole receiving said hanger stem and with upturned ends having means for supporting and setting the hanger arms; and a setting knob or disk with a central threaded bore screwed on the hanger stem for engagement with said arm setting and supporting bar for raising or lowering the arm supporting bar on the hanger stem.



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2,120,437
**MACHINE FOR THE INTRODUCTION OF MOISTURE TO WHEAT OR THE LIKE**
Glen V. Feese, Wichita, Kans., assignor of one-half to Kansas Milling Co., Wichita, Kans., a corporation of Kansas
Application January 31, 1935, Serial No. 4,418
1 Claim. (Cl. 83—28)

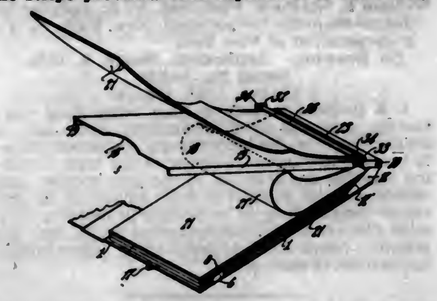


In a moisture control for wheat or the like, in combination with a wheat conducting spout and a wheat conveyor, a housing functioning as a hopper for the said conveyor and being attached thereto and communicating with the interior thereof, the conveyor having an opening through its upper portion, a water supply and ball valve therefor, the valve having a nozzle in registry with the opening in the conveyor as means to inject water therein, the said spout arranged to discharge wheat in one side of the housing medially thereof and from thence to the conveyor, the housing having a plate pendentally trunnioned therein adjacent the spout, a shaft trunnioned in the housing, said shaft having a crank arm on one end and a sprocket wheel on the other end, said crank and sprocket external of the housing, and a sprocket wheel secured to the pendent supporting means of the plate, said sprockets having a chain in mesh therewith, by which means, when the plate is rocked by wheat from the spout, the crank is rocked as closing means for the said ball valve and opening means therefor when the plate is disengaged by the wheat or the housing congested therewith, all substantially as shown and described.

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2,120,438
**COUNTER SALES BOOK**
Edward Hane, Holyoke, Mass.
Application August 5, 1936, Serial No. 94,306
5 Claims. (Cl. 282—3)

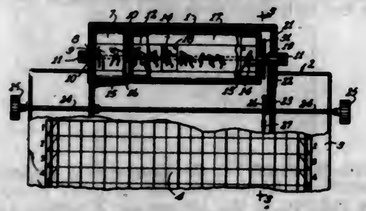
4. In a sales book, a base plate provided with opposed bracket members at one end thereof, a writing plate provided with downwardly projecting side flanges and having said flanges pivotally connected on said brackets, said writing plate being provided with a transverse slot at the end adjacent said brackets, oppositely disposed portions of said flanges being clipped and reversed to project upwardly above said writing plate, said portions being provided with slots, flexible metallic strips provided with tapered ends removably



supported on said writing plate with said tapered ends engaged in said slotted portions, said strips serving as anchoring means for transfer sheets.

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2,120,439
**FOOTBALL GAME**
William F. Jamison, Santa Monica, Calif.
Application July 14, 1936, Serial No. 90,518
Renewed November 23, 1937
1 Claim. (Cl. 272—94)



In a game apparatus for playing a football game, the combination of a substantially cylindrical casing having a longitudinally extending window therein with a zone scale extending longitudinally with said window, a selector drum and a result drum mounted for rotation at will within the said casing, said selector drum having means on the periphery thereof for indicating different plays to be selected by the player, said result-drum having a plurality of sets of means for indicating results of a play including losses or gains for the player, means for yieldingly holding the selector drum and the result drum in different positions so that the indicating means for the results of different plays register with the said window in the casing, an outer drum rotatably supported in said casing and enveloping the result drum and having a plurality of windows therein for registering with the different result indicating means on the result drum, means for spinning the outer drum and for arresting the same with any one of the windows therein registering with an indicated result of the play, on the said result drum, a board rigid with the said casing having divisions thereon representing a football field, and a zone scale extending longitudinally with the casing window, said board having longitudinal numbered zones corresponding with the zone scale and cooperating with the zone scale to enable a die representing a football to be placed in a zone on the field indicated by the zone scale after the outer drum has been spun, said result indicating means on the inner drum being arranged in circumferential rows on the drum aligning with the numbers on the said zone-scale.



2,120,440
**GAME APPARATUS**
Eugene Kramer, Percy Shields, and Milton Gitelson, Los Angeles, Calif., assignors to Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application July 18, 1936, Serial No. 91,355
14 Claims. (Cl. 273—121)



1. Ball controlled means for use in ball game apparatus having ball moving means and an inclined playboard, said ball controlled means being operable to automatically release a determined number of stored balls for play one at a time and including an inclined storing member with electrically operable means for releasing balls therefrom one at a time, a manually operable control device for initially actuating said last mentioned electrical means, and the latter thereafter being operable by the return of played balls to said storing means until all but one of said determined number of balls have been played and returned to said storing member.

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2,120,441
**PROCESS FOR APPLYING SILVER HALIDE COLLOID LAYERS WITHOUT DISTORTION ON FUTURE PRINTING FORMS**
Ferdinand Leiber, Berlin-Friedrichshagen, Germany, assignor to Naamloose Vennootschap: Nederlandsch Laboratorium de Spaarnestad, Haarlem, Netherlands, a corporation of the Netherlands
No Drawing. Application July 10, 1935, Serial No. 30,768. In Germany April 6, 1935
3 Claims. (Cl. 95—5.6)

3. A process for applying silver halide colloid layers without distortion on to future printing forms, comprising applying a silver halide colloid to a porous paper support, photographically producing a latent image in said silver halide colloid layer, moistening the surface of said printing form, applying the colloid layer to the moistened printing form, developing and hardening said colloid layer through said porous paper support, and then drawing off the porous paper support from the hardened colloid layer.

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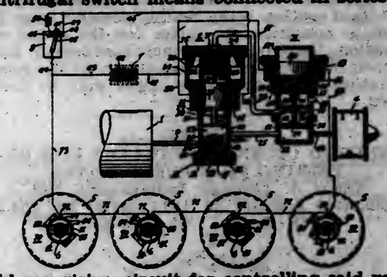
2,120,442
**LAPPING COMPOUNDS**
Alexander Lindenberg, Selkirk, Manitoba, Canada
No Drawing. Application June 11, 1937, Serial No. 147,783. In Canada July 27, 1935
5 Claims. (Cl. 51—280)

2. A plastic finishing or lapping compound comprising carbon, manganese dioxide, woodgum resin and a hydrocarbon binder.

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2,120,443
**METHOD AND APPARATUS FOR BRAKING**
Theodore H. Schoepf and David M. Ritchie, Cincinnati, Ohio, assignors to The Cincinnati Traction Building Company, Cincinnati, Ohio, a corporation of Ohio
Application June 2, 1937, Serial No. 147,070
14 Claims. (Cl. 303—21)

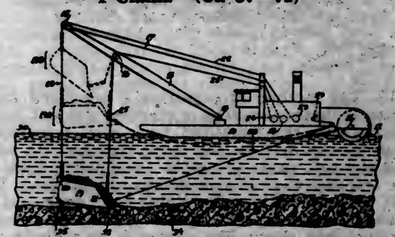
12. In brake control means, an electromagnetic fluid pressure retaining valve, an energizing circuit therefor, and a plurality of axle supported centrifugal switch means connected in series in



said energizing circuit for controlling said valve means.

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2,120,444
**APPARATUS FOR DREDGING**
Charles T. Smith, The Dalles, Oreg.
Application February 24, 1936, Serial No. 65,276
1 Claim. (Cl. 37—71)



In an apparatus of the class described, the combination of a self-propelled boat having a driving means at one end thereof and having a boom projecting longitudinally from the opposite end thereof, a dredge bucket having its cutting edge facing the propelling end of the boat and having cables for attaching the cutting end of said bucket to the propelling end of said boat, a pair of sheaves mounted on the projecting end of said boom, cable-winding mechanisms mounted on said boat having cables passing over said sheaves to the front and rear ends of said bucket, and means for operating said cable-winding mechanisms independently.

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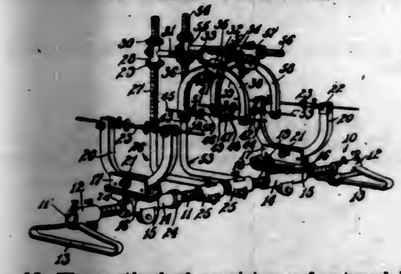
2,120,445
**DISPLAY DEVICE**
John R. Sutton, New York, N. Y., assignor to I. Miller & Sons, Inc., Long Island City, N. Y., a corporation of New York
Application March 26, 1936, Serial No. 71,066
3 Claims. (Cl. 35—57)



1. A form for depicting the appearance of a shoe upper, comprising a body shaped to simulate the appearance of the foot and ankle, and a removable thin coating of latex formed directly on said body and carrying on its outer surface the

representation of a shoe upper in simulation of the appearance of said upper on the wearer's foot, said coating being readily peelable from the form to condition the latter for the direct application thereto of another coating of latex formed directly thereon and on which the representation of another shoe upper may be delineated.

2,120,446
**METHOD OF AND APPARATUS FOR REPAIRING FRACTURED BONES**
Albert A. Thomas, Indianapolis, Ind.
Application January 30, 1933, Serial No. 654,317
21 Claims. (Cl. 128—84)

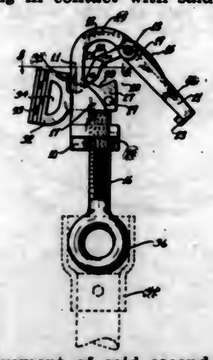


13. The method of repairing a fractured bone which includes the steps of piercing the soft parts surrounding the fractured bone with a plurality of drills and driving said drills through the bone and the soft parts at points on opposite sides of the fracture so that said drills protrude from the soft parts at both ends, sliding onto each end of each drill a closely-fitting sleeve-like element and forcing said sleeve-like elements into abutment with the bone, securing said sleeve-like elements, while so in abutment, to their respective drills to prevent axial slipping of said drills through the bone in either direction, manipulating said drills to bring the sections of the fractured bone into abutting registry, and mechanically holding said drills in adjusted positions to hold said bone sections in such abutting registry throughout a knitting period.

15. Apparatus for assisting in the repair of a fractured bone comprising a drill adapted to be driven through the bone and the surrounding soft parts above the fracture, a second drill adapted to be driven through the bone and the surrounding soft parts below the fracture, means directly engaging each of said drills on each side of said bone and adapted directly to engage said bone, means for securing said last named means to said drills in adjusted position and in abutment with said bone to prevent movement of said drills axially in either direction with respect to said bone, means for gripping the protruding ends of said drills, and mechanical means for controllably universally adjusting said gripping means.

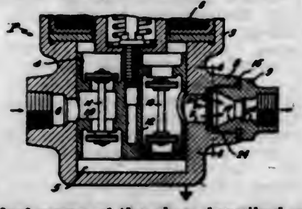
2,120,447
**WIRE CLAMPING DEVICE**
Melvin Thomas Tipsord, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application March 29, 1935, Serial No. 13,696
6 Claims. (Cl. 173—273)

1. A wire-clamping device comprising a body member provided with a wire passage open at a side of the body portion, an element movably connected to the body member, said element having portions, one of which forms a clamping jaw and the other being elongated and movable to such position as to bridge and close said wire passage, and a second jaw supported by said body member and movable with respect to the jaw portion of said element in a manner to clamp a wire between said second jaw and the jaw portion of said element, a portion of said element being in contact with said second jaw



whereby movement of said second jaw toward the wire-clamping position moves the jaw portion of said element toward the wire-clamping position and the passage-bridging portion of said element toward the passage-bridging position.

2,120,448
**PUMP**
Frank E. Twiss, Taunton, Mass., assignor to F. E. Twiss Co., Inc., Boston, Mass., a corporation of Massachusetts
Application January 7, 1937, Serial No. 119,456
14 Claims. (Cl. 103—203)



1. A fuel pump of the class described comprising a magnetically actuated, rapidly vibrating piston, and having a delivery conduit and a priming valve arranged in the delivery conduit, said priming valve comprising a freely movable valve disk of thin and light material, said disk being disposed in a substantially vertical plane and being sensitively responsive to differential air pressure at its opposite sides and being effective at the inception of the pumping operation and before liquid fuel begins to flow to insure evacuation of air from the pump chamber, said valve being so constructed and arranged as to offer substantially no obstruction to the normal flow of liquid fuel.

2,120,449
**LIGHTING FIXTURE**
Anthony Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application January 11, 1937, Serial No. 119,980
8 Claims. (Cl. 240—78)

8. A lighting fixture comprising a casing having an open lower side, a closure for said open

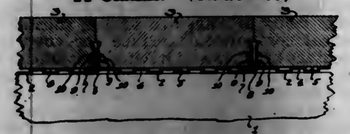


lower side, a U-shaped bar pivoted between its ends to said casing and pivotally connected at one of its ends to the closure and a contractible, dis-



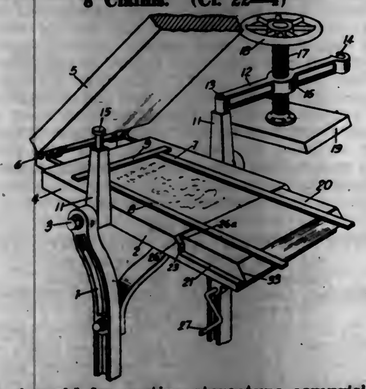
connectible connection between said closure and the end of the bar opposite to that end which is pivotally connected to the closure.

2,120,450
**METAL REINFORCED BLOCK FLOOR**
David A. Wallace, Detroit, Mich.
Application May 13, 1935, Serial No. 21,142
14 Claims. (Cl. 20—75)



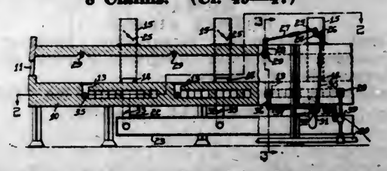
9. In combination, a channel member formed of resiliently flexible metal and comprising two side walls united by an integral web portion, a plurality of blocks received in said channel, said blocks being of a width greater than the normal spacing of said side walls whereby they are retained between said side walls by the friction induced through inserting them therein, and prongs formed on said side walls and maintained imbedded in said blocks by the pressure exerted by said side walls due to their natural resiliency and the insertion of over-sized blocks therein, said web portion being formed with alternating ribs and grooves extending lengthwise thereof and rigidifying the flexible metal from which said channel is formed, said grooves functioning as air passages.

2,120,451
**APPARATUS FOR CASTING STEREOTYPE**
Paul E. White, Lancaster, Ohio
Application August 19, 1936, Serial No. 96,788
8 Claims. (Cl. 22—4)



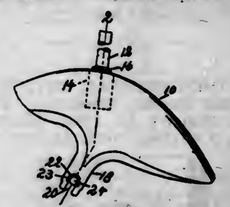
7. A mold for casting stereotype comprising a plate against which the mat is adapted to be clamped, means for clamping the mat in position comprising a tail-piece mounted on the mold adjacent the inlet opening thereof and over which the molten metal is poured into the mold, and means besides the metal being poured for heating said tail-piece.

2,120,452
**ANNEALING LEHR**
Walter O. Amsler, Toledo, Ohio, assignor, by mesne assignments, to Frazier-Simplex, Inc., Washington, Pa., a corporation of Delaware
Application June 19, 1935, Serial No. 27,293
8 Claims. (Cl. 49—47)



1. In a glass annealing lehr having a zone through which glass is moved and an inlet for temperature-controlling gases to said zone and into contact with the glass therein, two sources supplying gases to said inlet, said sources supplying gases at different temperatures, a thermostatic control device located in the current of gases adjacent said inlet, and means controlled by the thermostat for regulating the proportion of gases introduced from said sources and thereby controlling the temperature of the gases at the point where the thermostat is located.

2,120,453
**COMBINATION FORK AND FENDER**
Bert J. Anderson, Hammond, Ind.
Application July 1, 1935, Serial No. 29,219
5 Claims. (Cl. 280—152.1)

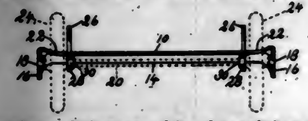


5. In a combined fork and fender for a velocipede including a sheet metal body having downwardly turned sides, said sides being spaced apart, said body being adapted to cover the upper portion of a wheel and conforming substantially to the contour thereof, portions of the lower edges of said body being formed to receive an axle, segmental portions of said body being turned outwardly to form bearing surfaces for the top and sides of an axle, an apertured yoke secured to the inner surface of said body, and an upwardly extending steering post secured to said yoke and extending through and secured to said body.

2,120,454
**REAR FRAME MEMBER**
Bert J. Anderson, Hammond, Ind.
Application July 9, 1935, Serial No. 30,538
9 Claims. (Cl. 280—282)

1. A rear frame member for a velocipede comprising, a stamping having apertures therein, one

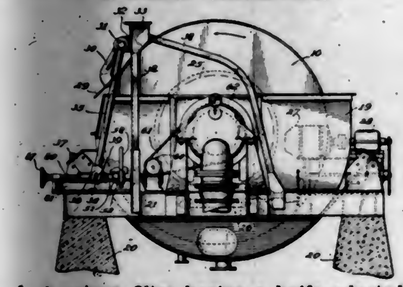
of said apertures being adjacent one end of the stamping and another of said apertures being adjacent the other end of the stamping, each of



said apertures being capable of receiving a wheel therein, and means for securing an axle beneath said stamping.

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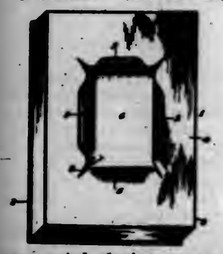
2,120,455
**ROTARY FILTER**
**August J. Barnebl, Chicago, Ill., assignor to Swenson Evaporator Company, Harvey, Ill., a corporation of Illinois**
Application September 24, 1934, Serial No. 745,201
13 Claims. (Cl. 210—201)



1. A rotary filter having a knife adapted to swing towards the filtering surface, a shaft adapted to be driven with the filter, a nut on said shaft from which the knife is actuated, means for disconnecting the drive of the shaft, and manual means for the quick return of the nut and knife to their original positions.

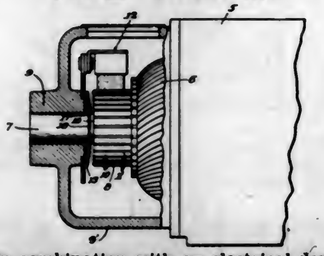
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2,120,456
**ORNAMENTAL DEVICE**
**Frank Barnes, Brookline, Mass.**
Application January 16, 1936, Serial No. 59,397
5 Claims. (Cl. 41—10)



3. An ornamental device comprising a base member, a paper covering for said base member, a pliable but inelastic metal foil applied as a backing to said paper covering, an element cut from said paper covering and foil integrally connecting therewith and turned to occupy a position in relief to said paper covering framing an opening therein, said element consisting of a flap turned up from said paper covering and formed by cuttings in said paper covering, said cuttings being in that portion of said sheet to which said foil backing is applied.

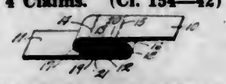
2,120,457
**MEANS FOR PROTECTING ELECTRICAL DEVICES**
**Harold G. Beauchamp, Chicago, Ill., assignor to Edward Babel, Chicago, Ill.**
Application October 21, 1935, Serial No. 45,843
8 Claims. (Cl. 171—320)



1. In combination with an electrical device including a rotor comprising a commutator having a plurality of relatively insulated segments, said segments being arranged to form a substantially cylindrical commutator surface for cooperation with contact brushes and having substantially coplanar end surfaces, and thermally actuated means associated with said commutator but normally electrically disconnected therefrom and adapted under predetermined thermal conditions to engage the end surfaces of some of said relatively insulated segments to electrically connect the same.

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2,120,458
**WATERPROOF SEAM AND METHOD OF MAKING SAME**
**John P. Bodle, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana**
Application April 6, 1936, Serial No. 72,968
4 Claims. (Cl. 154—42)



1. The method of making a water-proof seam, which comprises simultaneously feeding pieces of fabric and a heat-softenable water-proof sealing strip in substantial alignment in the same direction, progressively folding the moving pieces of fabric into a seam having overlapped portions, progressively shaping the moving sealing strip and feeding said shaped portion endwise in between the respective lapped seam portions of the pieces of fabric, stitching the seam through the pieces of fabric and the sealing strip, and subjecting the stitched seam to heat and pressure sufficient to soften the sealing strip and force softened portions thereof into the needle holes and around the stitching to form a water-tight seam.

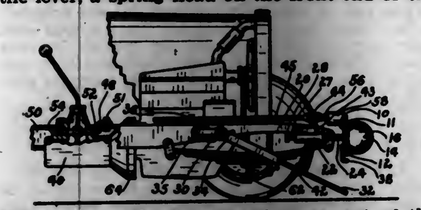
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2,120,459
**SAFETY BUMPER AND COLLISION INDICATOR FOR AUTOMOBILES**
**Eugene T. Brown, Seattle, Wash.**
Application September 25, 1936, Serial No. 102,596
6 Claims. (Cl. 180—93)

1. In a safety device for automotive vehicles having power transmission mechanism and a control element therefor, the combination with a spring-projected bumper and a spring-depressed fender pivoted beneath the bumper, of a pivoted hook retaining the fender in uplifted position, a



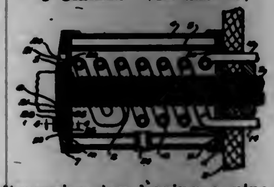
spring-actuated lever having an abutment associated with the control element, a link connected to the lever, a spring-head on the front end of the



link in the path of rearward movement of the bumper, and a pivotal connection between said hook and said link.

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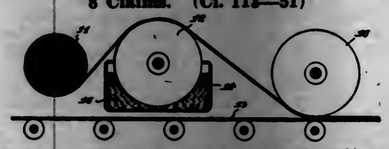
2,120,460
**REFRIGERATED SPIGOT**
**Thomas G. McClanahan, Seattle, Wash., assignor to Milton Roumm**
Application August 28, 1936, Serial No. 98,329
3 Claims. (Cl. 225—5)



1. A dispensing tap having a pipe connected thereto and adapted for connection with a source of supply of liquid to be dispensed, a cooling drum surrounding the pipe close to the tap, a cooling coil in the drum about the pipe therein and adapted to be connected with a source of cooling medium for circulation within the coil; said drum having means for controlling the circulation of outside air therein.

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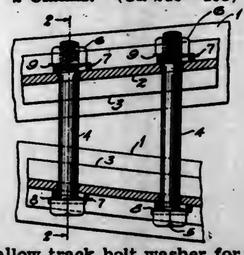
2,120,461
**METHOD OF PROTECTING AND FORMING PREFINISHED METAL**
**Lloyd G. Copeman, Flint, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a corporation of Michigan**
Application February 28, 1938, Serial No. 193,001
8 Claims. (Cl. 113—51)



1. The method of stamping and forming prefinished metal which comprises applying a protective paper to the finished surface with an inner coating of latex to serve as an adhesive, stamping and forming the metal, and removing the protective paper.

2. The method of temporarily protecting the prefinished surface of metal during a forming step which comprises applying an aqueous dispersion of rubber, which when dried forms a non-tacky deposit, to said prefinished surface, evaporating water from the dispersion to form a readily removable temporary coating on said surface and coldworking said metal while protected with said coating, and subsequently removing said coating.

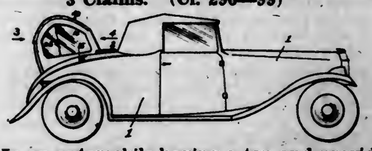
2,120,462
**TRACK BOLT WASHER**
**Lee C. Ferguson, Marion, Ind., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois**
Application May 21, 1937, Serial No. 143,873
2 Claims. (Cl. 246—463)



1. A shallow track bolt washer for application to an individual bolt and only slightly exceeding the area of the bolt head or nut and comprising a shoe and a rocker, said shoe having an exterior face shaped to contact the rail web and provided with upwardly and downwardly directed edge portions arranged to oppose the rail head and flange, said shoe having an arcuate interior face, and said rocker having an opposing inner face shaped to fit against and slide over said shoe interior face transversely of the bolt axis, said rocker having a flat outer face for seating a bolt head or nut element, said shoe having spaced flanges on its interior face for guiding said rocker in its sliding movement over said shoe, and said rocker having spaced ribs on its outer face for engaging the sides of a bolt head or nut to prevent rotation thereof.

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2,120,463
**RUMBLE SEAT ENCLOSURE**
**Julius F. Grauel, Baltimore, Md.**
Application July 30, 1937, Serial No. 156,458
3 Claims. (Cl. 296—99)



1. In an automobile having a top and provided with a body and an open space behind said top in said body, a hood protecting said space consisting of a unitary windshield and rigid side wall structure and a readily detachable flexible top, rigid means for maintaining said hood in a rigid structure, said hood being provided with means for contacting the automobile body and means for securing the forward edge of the hood to the automobile to form a hinge whereby the hood may be raised from the rear to permit access to said space.

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2,120,464
**WELL SHOOTING APPARATUS**
**Walter F. Hall and George A. Lowrey, Goose Creek, Tex., assignors to Hall & Lowrey, Incorporated, Goose Creek, Tex., a corporation of Texas**
Application August 22, 1936, Serial No. 97,390
4 Claims. (Cl. 102—4)

1. A well shooting apparatus comprising an outer jacket having an explosive charge therein approximately filling the jacket, said jacket having a passageway through which the pressure of

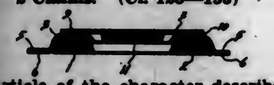
the fluid surrounding the jacket may be exerted against said charge to equalize the pressures in-



side and outside the jacket, means for excluding the liquid from direct contact with the charge and means for exploding said charge.

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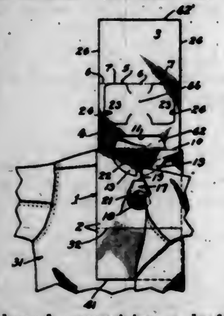
2,120,465
**CORN PAD**
Herbert R. Hartley, Chicago, Ill.
Application December 18, 1935, Serial No. 54,970
2 Claims. (Cl. 128—153)



2. An article of the character described comprising a generally crescent shaped pad and a similarly shaped backing element secured thereto, and having its ends extending beyond the ends of said pad and normally not overlapping each other, said pad and backing element being adapted to be adjusted in their plane to adjust the size of the area circumscribed thereby and said extending ends of the backing element being adapted to overlap in a constricted adjustment of the pad and backing element, said backing element being provided with oppositely disposed outwardly projecting integral securing arms, and a disk-like medicament carrying member adapted to be adhered on the outer surface of said backing element after the pad is applied in adjustment and covering said area.
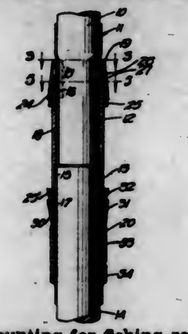
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2,120,466
**SHIRT BOARD**
George Frederick Hiss, Los Angeles, Calif.
Application October 8, 1934, Serial No. 747,349
10 Claims. (Cl. 223—71)



1. A shirt board comprising a body portion; a foldable portion connected to one end of said body portion and adapted to be folded upon one face thereof; a skirt retaining portion connected to one end of said foldable portion and adapted to be folded onto said foldable portion and said body portion; and a projection formed by cuts in said foldable portion and extending from one end of said body portion when said foldable portion is moved to folded position.

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2,120,467
**REEL MOUNTING FOR FISHING RODS**
David Howarth, Los Angeles, Calif., assignor to South Bend Bait Company, South Bend, Ind., a corporation of Indiana
Application December 15, 1936, Serial No. 115,962
17 Claims. (Cl. 43—22)



1. A reel mounting for fishing rods comprising a tubular reel seat, a handle carried at one end thereof, a rod carried at the opposite end thereof, a longitudinally extending seat groove formed on the tubular reel seat to receive the tangs of a reel saddle, separate frusto-conical members on said tubular reel seat and embracing said saddle tangs, wedge means interposed between said tangs and frusto-conical members to produce a binding action, and means carried upon the tubular seat for clamping the structure, the meeting faces of said conical members and the wedge means being at different angles.

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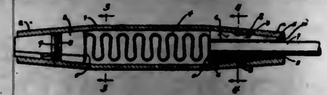
2,120,468
**EXPANDED CONCRETE AND PROCESS OF PRODUCING THE SAME**
Noak Victor Hybinette, Jackson, Mich.
No Drawing. Application March 28, 1935, Serial No. 13,492. Renewed November 10, 1937
12 Claims. (Cl. 106—24)

1. An expanded concrete made from a concrete mixture having added thereto aluminum flakes, including a quantity of a flake separating substance added during the formation of the flakes, and a solvent for said substance, said solvent being characterized by its ability to retard the setting of the concrete.

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2,120,469
**STRAIGHT LINE CONNECTER**
William D. Kyle, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application March 25, 1936, Serial No. 70,819
4 Claims. (Cl. 24—126)

1. A connecter comprising a tubular body member having opened tapered ends, two sets of jaws within said member and each engaging an adjacent tapered end, in combination with a spring in said member and between said sets urging said jaws into engagement with said tapered ends,



each end of said spring being disposed diametrically across the axis of said member, whereby conductors introduced to said connecter will engage the ends of said spring.



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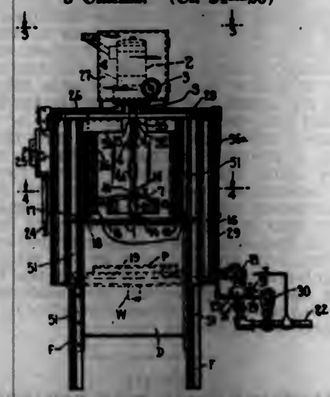
2,120,470
**FASTENING DEVICE**
Charley T. Patterson, Springfield, Mo.
Application November 20, 1936, Serial No. 111,820
7 Claims. (Cl. 220—35)



1. A fastening device comprising adjacent juxtaposed walls, one of said walls having an opening therein, the other of said walls having a tongue member designed to swing transversely through said opening, a gate member within said opening for locking said tongue member in place in such transverse relation to said walls, said gate member having a hinged portion adjacent its juncture with the adjoining wall, said hinged portion being substantially in right angled relation to the plane of said tongue member when said tongue member is in said transverse position.

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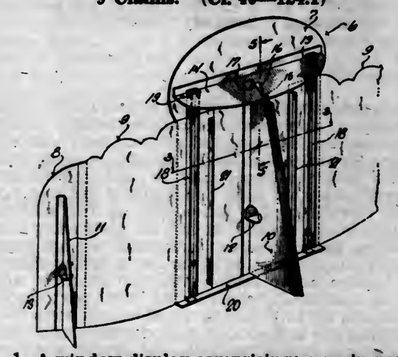
2,120,471
**APPARATUS FOR DRYING PRINTING PLATES**
John Peters, Teaneck, N. J., and Harold M. Crosby, Jackson Heights, N. Y., assignors to News Syndicate Co. Inc., New York, N. Y., a corporation of New York
Application June 14, 1935, Serial No. 26,552
5 Claims. (Cl. 34—26)



1. Apparatus for drying a printing plate, comprising an electric motor having a shaft, means for clamping a printing plate to said shaft, said electric motor having first driving means and also having second driving means, first switch mechanism for controlling the circuit of the first driving means, second switch mechanism for controlling the circuit of the second driving means, said switches being normally in the open position, first electro-magnetic means for moving the first switch to the circuit closing position, second electro-magnetic means for moving the second switch to the circuit closing position, the circuit of said motor also including a time switch, a time-delay relay having an armature which closes the circuit of the first electro-magnetic means when in normal position, said armature being moved to a position in which it closes the circuit of the second electro-magnetic means after a predetermined interval which is less than the effective interval of said time switch, said time-delay relay opening the circuit of the first electro-magnetic means when it is moved to the last mentioned position, heating means adapted to heat the atmosphere in which the printing plate is located, and electromagnetic means for shutting off the supply of heat and in circuit with the first driving means.
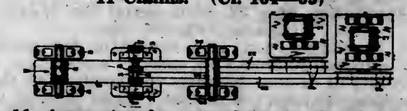
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2,120,472
**WINDOW DISPLAY**
Theodore Rosenak, Fox Point, Wis., assignor to Jos. Schlitz Brewing Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 9, 1937, Serial No. 178,958
9 Claims. (Cl. 40—124.1)



1. A window display comprising: a main panel; a side panel having a part extending in back of the main panel; and means for holding said part in position at the back of the main panel while enabling said side panel to be moved sidewise toward or from the main panel within limits.

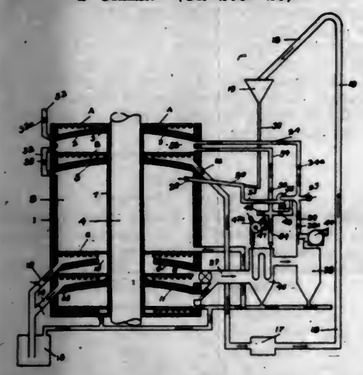
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2,120,473
**MANUFACTURE OF BEVELED EDGE STRIP**
John W. Sheperdson, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application March 2, 1936, Serial No. 66,590
11 Claims. (Cl. 164—65)



11. Apparatus for manufacturing beveled edge strip comprising means to bend an elongated flat sheet of material transversely and form a plurality of longitudinal corrugations therein, means to shear the sheet in parallel planes between the corrugations into a plurality of strips, and a separate rotatable reel for each strip, the reels which correspond to laterally adjacent strips being arranged to rotate in opposite directions.

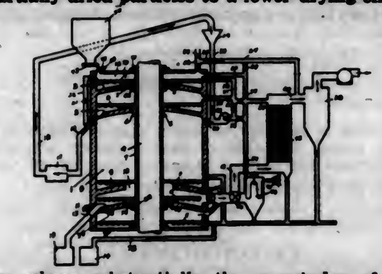
2,120,474
**APPARATUS FOR THE BURNING OF MINERAL SULPHIDES IN GASEOUS SUSPENSION**
Byron Angus Stimmel, Kenneth Duncan McBean, and Graham Cruickshank, Trail, British Columbia, Canada, assignor to The Consolidated Mining & Smelting Company of Canada, Limited, Montreal, Quebec, Canada, a corporation of Canada
Application July 6, 1935, Serial No. 30,190
1 Claim. (Cl. 266—20)



An apparatus for drying and subsequently burning mineral sulphides in gaseous suspension which comprises an unobstructed combustion chamber; means for injecting finely divided mineral sulphides into the upper part of said combustion chamber together with an oxidizing gas and hot gases formed by the combustion of the sulphur content of the charge; means for preheating said oxidizing gas by heat exchange with the hot gases leaving the combustion chamber; a drying chamber located above said combustion chamber and having a settling hearth in the lower part thereof; means for introducing the aforesaid preheated oxidizing gas into said drying chamber and conduit means extending from said drying chamber to the atmosphere to permit a regulated evacuation of the moisture laden gases to the atmosphere.

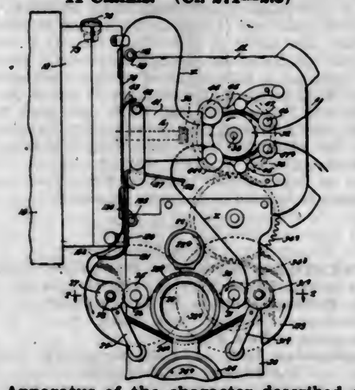
2,120,475
**APPARATUS FOR THE BURNING OF MINERAL SULPHIDES IN GASEOUS SUSPENSION-HEAT CONTROL**
Byron Angus Stimmel, Kenneth Duncan McBean, and Graham Cruickshank, Trail, British Columbia, Canada, assignors to The Consolidated Mining & Smelting Company of Canada, Limited, Montreal, Quebec, Canada, a corporation of Canada
Application May 22, 1936, Serial No. 81,314
7 Claims. (Cl. 266—20)

1. In combination with apparatus for roasting mineral sulphides in gaseous suspension, a plurality of drying chambers contiguous with the roasting chamber; a drying hearth located in each of said chambers and a cover affixed over the uppermost drying hearth; means for introducing regulated quantities of moist sulphides into the uppermost drying chamber to settle on the drying hearth; means for introducing into said uppermost drying chamber regulated quantities of hot gases to effect the partial drying of the charge therein; means for separately evacuating the moisture laden gases from the uppermost drying chamber and means for passing the partially dried particles to a lower drying cham-



ber where substantially the remainder of the moisture is eliminated.

2,120,476
**SAFETY DEVICE FOR PROJECTORS**
Alexander Ferdinand Victor, New York, N. Y.
Application April 29, 1935, Serial No. 18,765
11 Claims. (Cl. 271—2.3)



1. Apparatus of the character described comprising devices for feeding a strip in which a slack loop is formed, a source of power, devices operatively connecting the feeding devices to said source of power including separable elements, means for separating said elements to disconnect said feed devices from the source of power and arrest movement of the strip past the feed devices, a fly-wheel normally actuated by the moving strip, the inertia of which fly-wheel upon cessation of operation of said feed devices being adapted to tighten the slack loop and form another loop in the strip at a different location than the first loop, and a trigger projecting into the slack loop and actuated by the strip upon the tightening of the first slack loop, said trigger having operative connection with said separating means whereby to release the latter to arrest operation of the feeding devices.

2,120,477
**DETACHABLE CABIN WITH PARACHUTE**
Herbert Luther Adams, Washington, D. C.
Application July 30, 1932, Serial No. 627,091
10 Claims. (Cl. 244—140)

1. In an aircraft, a detachable cabin, said cabin being air tight, a cover hinged at the rear edge to the aircraft at the rear of said cabin and releasably secured at its front edge to said cabin, means

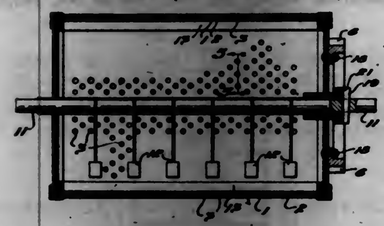


for opening said cover, said cover when open extending upward and rearwardly to form a gouged shape skidway for said cabin, means operable to



detach the cabin from the aircraft and a device to remove said cabin from said aircraft in rearward sliding movement substantially lengthwise of said cabin and said fuselage.

2,120,478
**ELECTROPLATING BARREL**
Paul L. Amundsen, Detroit, Mich.
Application February 13, 1936, Serial No. 63,691
2 Claims. (Cl. 204—11)



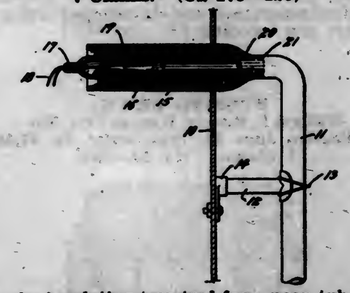
1. Electroplating apparatus including in combination a shaft, a tumbling barrel carried by said shaft, said barrel comprising a pair of generally circular sheet metal, rubber covered heads, the rubber covering of at least one of said heads being interposed between the metallic portion of said head and said shaft whereby to insulate the metallic portion of said head with respect to said shaft, and a generally cylindrical metallic body portion for said barrel having openings therethrough, said body portion being entirely covered with rubber, said rubber being interposed between said metallic body portion and said heads whereby to insulate said heads with respect to the metallic body portion of said barrel.

2,120,479
**BLOTTER**
Fred E. Andrews, Ware, Mass.
Application February 19, 1935, Serial No. 7,297
Renewed November 15, 1937
10 Claims. (Cl. 120—26)



1. In a writing instrument cap, tubular blotting means normally lying within said cap, said blotting means being extensible from said cap for use, and spring means within said cap for projecting said blotter means to extended operative position.

2,120,480
**INSULATING TERMINAL FOR NEON TUBES**
Roy C. Baker, Denver, Colo.
Application February 26, 1937, Serial No. 127,865
7 Claims. (Cl. 176—126)



1. An insulating terminal for a neon tube comprising: an inner electrode tube open at its one extremity and sealed at its other extremity; and an outer insulating tube welded to said inner tube adjacent the open extremity of the latter, the other extremity of said outer tube being open for its full diameter about the sealed extremity of said inner tube.

2,120,481
**CLOSET BOWL STEP ATTACHMENT**
George B. Bentz, New York, N. Y.
Application November 9, 1937, Serial No. 173,687
8 Claims. (Cl. 4—254)



1. A closet step attachment comprising a step and means for pivotally mounting the same at the front of a closet bowl to allow swinging of said step from an operative position to an out-of-the-way position, and at least one handle to aid a child using the step, said handle being connected with said step for movement to an operative position when said step is moved to its operative position and for movement to an out-of-the-way position when said step is moved to its out-of-the-way position.

2,120,482
**JORDAN ENGINE WITH CRIMPED MEMBERS**
Archer Le Roy Bolton, North Andover, Mass., assignor to John W. Bolton & Sons, Inc., Lawrence, Mass., a corporation of Massachusetts
Application April 18, 1935, Serial No. 17,056
6 Claims. (Cl. 92—27)

1. The combination in a Jordan engine which includes a truncated conical shell and a truncated conical plug; of tapering separators; and cutting members between some of the separators,

each made of a strip of metal which is flat along its bottom part and which projects from the



adjoining separators and is crimped along its top part and top edge.

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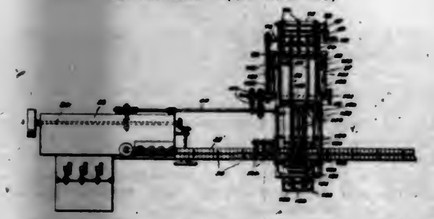
2,120,483
**RUBBING BRICK**
William L. Burger, Kansas City, Mo.
Application June 26, 1936, Serial No. 87,448
5 Claims. (Cl. 51—205)



1. A rubbing brick having fluted abrasive surfaces on opposite faces thereof and having pairs of openings extending through the brick from the respective faces and having screw head engaging portions located substantially midway of the thickness of the brick, and fastening devices engageable in selected pairs of openings and having heads engaging said head engaging portions to secure a handle to a selected face of the brick whereby the handle is adapted to be removed and applied to the opposite face when the fluted surface on that face is worn, using the same fastening devices in said other pair of openings.

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2,120,484
**SHEET FEEDING APPARATUS**
Albert Broadmeyer, Harrisburg, Pa., assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa., a corporation of Pennsylvania
Original application October 31, 1932, Serial No. 640,570. Divided and this application August 19, 1936, Serial No. 96,901
13 Claims. (Cl. 271—26)



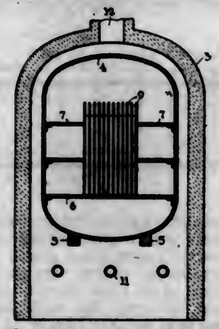
1. In combination with a support for sheets, of a horizontally movable carriage, a suction head movable with the carriage and movable downwardly thereon, means for moving the head on the carriage to engage a sheet on the support, means for creating suction in the head when moved downwardly to engage a sheet, means for relieving said suction including a relief vent and a closure for the vent that travels with the carriage, and stationary means for engaging and operating the closure to open the vent when the carriage and suction head is at a point to discharge the sheet.

2,120,485
**ORE FLOTATION**
Julius Bruce Clemmer and Robert Gibson O'Meara, Rolla, Mo., assignors of one-fourth to Semmes and Semmes, Washington, D. C., a firm composed of Harry H. Semmes and S. Warwick Keegin
No Drawing. Application December 29, 1933, Serial No. 704,598
10 Claims. (Cl. 209—167)

1. A method of floating minerals from calcite comprising introducing into the mineral containing calcite, a collector having a fatty acid radical, a frothing agent and a depressing agent for calcite consisting of a heavy metal salt which forms a relatively insoluble carbonate and an alkaline silicate, agitating and aerating the mixture, and then removing a concentrate relatively free from calcite.

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2,120,486
**PROCESSING OF ORNAMENTAL STONE**
John O. Caleonna, Kansas City, Mo.
Application August 30, 1937, Serial No. 161,687
4 Claims. (Cl. 41—41)



2. The method of treating slabs of stone containing colored veins contrasting with the color of the base stone which consists in assembling slabs of stone interleaved with metal plates of greater cross sectional area than the slabs, heating them in a closed chamber to cause the veins to change color, and then slowly cooling the stone to prevent cracking or distortion.

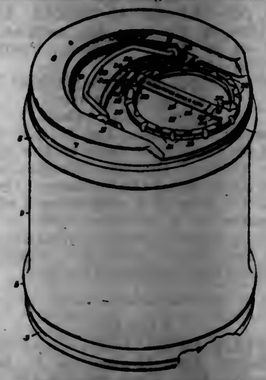
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2,120,487
**CONTAINER**
Guy O. Conner, Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application December 6, 1935, Serial No. 53,219
6 Claims. (Cl. 220—66)

1. A sheet metal container comprising a round body portion, a round generally flat head having a downwardly projecting flange having a seam connection with the top of the body portion and having a generally U-shaped raised portion extending around the greater part of the margin of the head and a depressed portion between the legs of the U open laterally to one side of the head, a handle located centrally of the head and having pivotal bearings at the sides of and within the depressed portion and adapted to be folded flat against the head at and within the inner end of the depressed portion of the head, the head having at the outer end of the depressed portion adjacent the edge of the head a round opening whose diameter is equal to at least about



one-third of the diameter of the head and having an upstanding flange with an outwardly projecting rim surrounding the opening, a stiff closure of metal of at least as heavy gauge as that of the head having a downwardly projecting flange adapted to overlie the rim, and a clamping ring



surrounding the flanged edge of the closure and the rim and adapted to be contracted to clamp the flange and ring together to secure the closure rigidly in place and thereby strengthen the head to compensate for the large opening therein.

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2,120,488
**REVERSIBLE THERMOSTATIC CONTROL SYSTEM**
Harry R. Crago, Verona, N. J., assignor to General Electric Company, a corporation of New York
Original application March 21, 1936, Serial No. 70,007. Divided and this application July 21, 1937, Serial No. 154,775
2 Claims. (Cl. 200—139)



1. In combination a pair of adjustably mounted thermal responsive elements, means including a pair of relatively rotatable members for adjusting said elements, and means including a pair of interengaging elements mounted on said rotatable members for limiting the degree of relative rotation of said members.

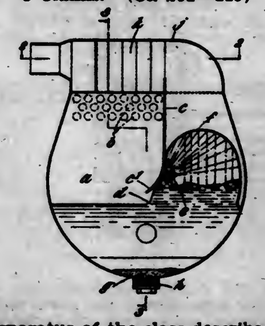
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2,120,489
**PROCESS OF PREPARING FOOD PRODUCTS FROM PAPAYA FRUIT**
Theodoor Alexander de Neve, Batavia, Java, Dutch East Indies
No Drawing. Application April 14, 1937, Serial No. 136,957. In the Netherlands March 31, 1936
2 Claims. (Cl. 99—156)

1. A process of preparing food products from papaya fruit, characterised by first intimately contacting the substantially ripe flesh of papaya fruit with a lime-containing liquid during a given time, subsequently rinsing the same, and thereafter making up the said fruit flesh into food products to which any desired taste, flavor and color may be given.

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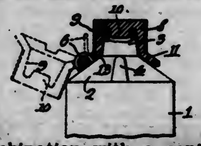
2,120,490
**APPARATUS FOR PURIFYING OR WASHING AIR OR OTHER GAS, OR FOR COOLING A LIQUID**
Roy Macgregor Drummond, London, England
Application October 10, 1936, Serial No. 105,134
In Great Britain October 29, 1935
5 Claims. (Cl. 261—119)



1. In apparatus of the class described, a vessel providing a main chamber, a baffle extending between the side walls thereof and dividing the chamber into an air inlet section and an air outlet section, and a body of liquid in said chamber, said baffle being curved at its lower portion toward the inlet section, the curve of the baffle being such that the lower edge of the baffle is spaced above the liquid and that the air upon passing beneath said edge strikes the curved portion substantially tangentially to the curve, thereby producing an upward current of air in said outlet section and an aspirating effect causing the air to exert a force on the liquid at said curved baffle and creating a wave of the contained liquid from the crest of which a spray will be thrown off.

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2,120,491
**CLOSURE FOR CONTAINERS**
William A. Flower, Twin Falls, Idaho
Application September 28, 1937, Serial No. 166,218
5 Claims. (Cl. 221—60)



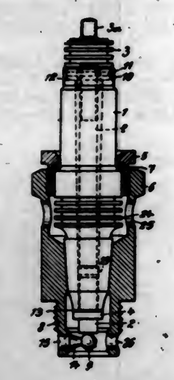
1. The combination with a container having a neck and a shoulder surrounding the base of the neck, of undercut retaining means on the shoulder, an upstanding loop on the shoulder, a cap hingedly and slidably mounted on the loop and notched to receive the lugs, said cap being rotatable on the neck and shoulder and while in engagement with the loop to engage with or become disengaged from the undercut means.

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2,120,492
**SPARKING PLUG**
Leo Graf, Cologne-Bickendorf, Germany, assignor to Karl Werth, Berlin, Germany
Application April 1, 1937, Serial No. 134,374
In Germany February 17, 1937
5 Claims. (Cl. 123—169)

1. A sparking plug comprising a plug body, an

insulator body, a carrier at the lower end of said plug body, an orifice in said carrier, a rod shaped central electrode, a spherical mass electrode held within the orifice in said carrier and disposed op-



posite to the central electrode, an expansion chamber for a portion of the gases and a recess in said spherical mass electrode to form a gas extension chamber.

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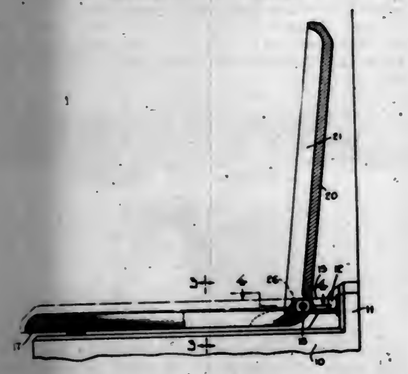
2,120,493

**SEAT FOR TOILET AND OTHER SANITARY RECEPTACLES**

William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application June 7, 1935, Serial No. 25,365

4 Claims. (Cl. 4—236)



1. In combination, a defecator bowl, a defecator seat lying in a substantially horizontal plane and resting on said bowl, a defecator seat cover normally lying in a substantially horizontal plane and resting on said seat and when in such position having its lower circumferential surface lying in substantially the same plane as the lower surface of the seat, a horizontal pintle positioned substantially between the horizontal plane in which lies the upper surface of the seat cover and the horizontal plane in which lies the lower surface of the seat and seat cover, means extending rearwardly and upwardly from the seat to support it for pivotal movement about the axis of said pintle and means extending rearwardly from said seat cover to support it for pivotal movement about the axis of said pintle.

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2,120,494

**METHOD OF CLEANING METAL ARTICLES**

Floyd M. Hauger, Chicago, Ill., assignor to Keystone Steel & Wire Company, Peoria, Ill., a corporation of Illinois

No Drawing. Application September 25, 1935, Serial No. 42,029

1 Claim. (Cl. 148—8)

The process of treating the surface of a body of rimmed or open steel prior to the application of a zinc coating thereon, which consists in chemically roughening the surface of the body by immersing the same in a molten bath of an alkaline carbonate for a sufficient time to effect an opening of the exposed grain boundaries, and then subjecting the treated body to a pickling operation to cleanse the roughened surface.

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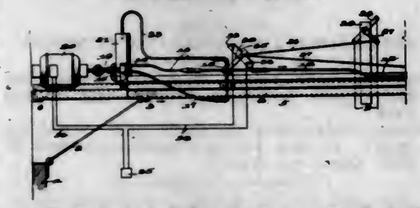
2,120,495

**DOOR OPERATING DEVICE**

Earl A. Harris, East Orange, N. J., assignor to Hydeoraulic, Inc., East Orange, N. J., a corporation of New Jersey

Original application February 5, 1931, Serial No. 513,718, now Patent No. 1,954,813, dated April 17, 1934. Divided and this application March 26, 1934, Serial No. 717,502

7 Claims. (Cl. 60—52)



1. In a device of the character described, the combination of fluid power means, a valve arranged to control the fluid supply to the power means, motor driven means for supplying fluid power for said fluid power means, the valve being arranged in a fluid circuit between the motor driven means and the fluid power means, control means for the motor driven means associated and synchronized with the valve for simultaneous operation of the fluid power means and the motor driven means, and means operatively connected with the valve and arranged for operation by the fluid power means on extreme movements thereof in opposite directions for controlling said valve and control means.

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2,120,496

**PROCESS OF MAKING PROTECTED METAL**

Floyd M. Hauger, Chicago, Ill., assignor to Keystone Steel & Wire Company, Peoria, Ill., a corporation of Illinois

No Drawing. Application September 25, 1935, Serial No. 42,030

8 Claims. (Cl. 29—188)

1. The process of making zinc coated iron or steel wire from rimmed steel, which consists in drawing the wire to a desired gauge through a lubricant mixed with a metallic salt or salts to pit or etch the surface of the same, then annealing the wire and finally passing the wire through a bath of molten zinc.



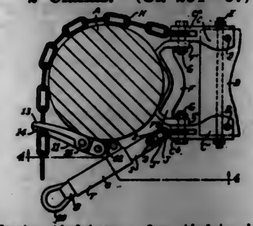
2,120,497

**CHAIN TIGHTENER**

Walter A. Heinrich, St. Louis, Mo., assignor to James B. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

Application September 30, 1935, Serial No. 42,832

2 Claims. (Cl. 254—67)



1. A chain tightener for tightening a chain about a pole or like object comprising a saddle member adapted for contact with a pole or like object to one side of which member a chain to be tightened is attached, and a chain tightening device movably attached by means of a short section of chain to said member at the side of said member opposite to the side thereof at which said chain is attached thereto, said tightening device comprising a hollow bar having a screwthreaded opening formed in an end wall thereof, a tubular member with which said hollow bar is arranged in telescoping relation, said tubular member having an end wall provided with a smooth opening, a rod extended through the smooth opening of said tubular member and having a screwthreaded portion extended through the screwthreaded opening of said bar, a head associated with said bar for facilitating rotation thereof, and an element movably attached to said tightening device for releasably engaging said chain, said pole-contacting member being attached to said hollow bar of said tightening device and said chain-engaging element being attached to said tubular member of said tightening device.

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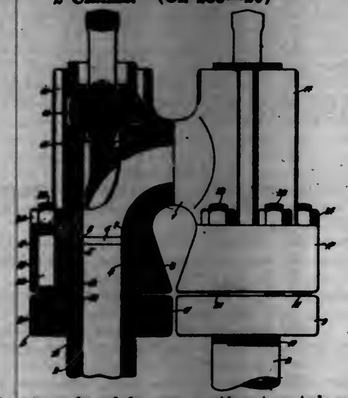
2,120,498

**RETURN BEND**

Frederick E. Key, St. Louis, Mo., assignor, by mesne assignments, to Reconstruction Finance Corporation, St. Louis, Mo., a corporation of the United States of America

Application March 20, 1936, Serial No. 69,799

2 Claims. (Cl. 285—20)



1. A return bend for connecting two tubes and having tapered sockets in its ends adapted to receive tapered ends of said tubes, tapered rings attached to the ends of said tubes within said tapered sockets and cooperating with the walls of said sockets to form leak-proof joints, and means for attaching said return bend to said tubes to form leak-proof joints by engagement of the walls of said tapered ends and said rings with the walls of said sockets.

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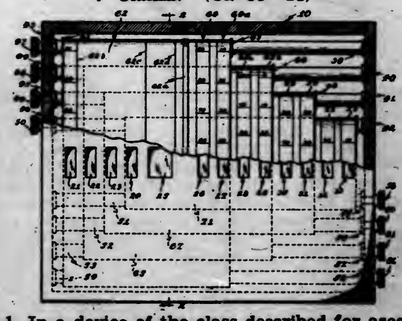
2,120,499

**DEVICE FOR MEASURING COLOR AND LIGHT DENSITIES**

Robert Mackay, Chicago, Ill.

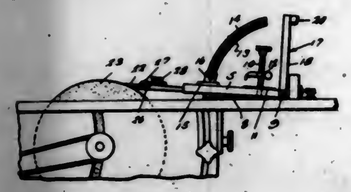
Application March 25, 1935, Serial No. 12,795

7 Claims. (Cl. 88—14)



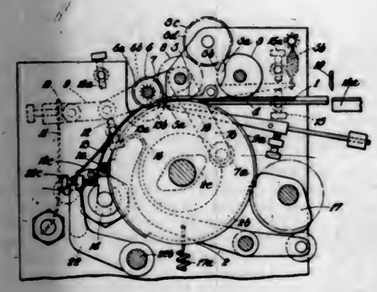
1. In a device of the class described for ascertaining the densities of colors in a work of art, a cabinet; a light source in said cabinet; a plurality of spaced apart substantially horizontal shafts rotatably mounted in said cabinet; said cabinet having a plurality of spaced apart windows in substantial horizontal alignment in its forward wall; a plurality of flexible bands in said cabinet, each of said bands having its opposite ends attached to and windable upon two of said spaced apart shafts, each of said bands bearing vertically aligned transparent color areas of graduated densities, said transparent color portions of all said bands being superimposed, the color areas constituting said superimposed band portions being adapted to be selectively positioned adjacent to and for view through one of said windows; indicia on each band for indicating the densities of said color areas and viewable through other of said spaced apart windows; each of said bands having mounted adjacent one edge thereof a negative film band having a plurality of vertically aligned negative areas of known, graduated light densities, a positive film band mounted on each pair of shafts adjacent each of said negative film bands and adapted to move parallel with said color band and said negative film band, said positive film band having in vertical alignment a plurality of positive film areas of varied light densities; indicia adapted to be disposed before certain of said windows on each of said negative portions and on each of said positive portions indicating the densities of said respective film areas simultaneously presented to view, and means for manually and selectively moving said bands to present desired color areas or combinations of color areas to view, the selective rotation of said shafts permitting selective superpositioning of the various color areas on said superimposed band portions to cause the selected superimposed color areas to present to view a desired blended color area, each color area on said color bands being in horizontal alignment with negative and positive film band areas which film band areas indicate the desirable film used in reproducing such horizontally aligned color area.

2,120,500
**BLADE HOLDER**
Gregory Makaroff, Lanesboro, Mass.
Application June 2, 1937, Serial No. 146,076
5 Claims. (Cl. 51—220)



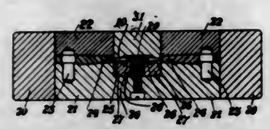
1. A blade holder of the character described comprising a substantially flat body, strips secured to the underside of the body and extending transversely thereof, said strips being provided at one end with jaws projecting beyond an edge of the body, removable jaws cooperable with the first-named jaws, means for securing the removable jaws to the strips in operative position to the first-named jaws for clamping the ends of a blade to be sharpened therebetween, and said body being provided on the underside thereof with a recess, an adjustment plate normally arranged in the recess and hinged at one end to the body, an adjustment screw threaded through the body and engaging the adjustment plate, a circular scale plate on said body concentric to said screw, and an index carried by said screw and adapted to be read against said scale plate.

2,120,501
**MANUFACTURE OF FILTER TIPS FOR CIGARETTES**
Rowland Frank May, Potters Bar, England, assignor to Filter Tips Limited, London, England, a British company
Application October 31, 1935, Serial No. 47,705
In Great Britain November 2, 1934
17 Claims. (Cl. 93—1)



1. A method of producing filter tips for cigarettes, comprising feeding a strip of material forward upon a travelling member, engaging the leading edge of the strip with a surface moving in the reverse direction to turn the leading edge of the material up and to return it upon the strip, and confining the turned-over edge to form a tightly coiled spiral formation.

2,120,502
**MOLD FOR PARTS OF KNITTING MACHINERY**
James Morton, Tuether, Carlisle, England, assignor to F. N. F. Limited, Croydon, Surrey, England
Original application January 8, 1936, Serial No. 58,176. Divided and this application September 4, 1936, Serial No. 99,494. In Great Britain, January 19, 1935
7 Claims. (Cl. 18—42)



7. A mold for use in the manufacture of an assembly of knitting-machine working parts each comprising a stem and a portion with a recess, said mold comprising a part-supporting structure presenting an open space, rigid means for locating a group of said working parts in precise side-by-side co-relationship, with the recesses thereof in alignment and with the recessed portions thereof extending into said open space, which latter is adapted to receive an organic molding material to surround said portions, said locating means comprising serrations provided on said structure internally of the open space to receive the stems of the group of said working part and serrations provided on said structure externally of the open space to receive the recessed portions, seatings in the last-mentioned serrations, a rigid positioning member adapted for threading through said recesses and to rest in said seatings, and closure means to close said space and press upon said material.

2,120,503
**BLASTING EXPLOSIVE**
Milo A. Nice, Hazleton, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 13, 1936, Serial No. 95,241
3 Claims. (Cl. 52—13)

1. A non-gelatinous blasting explosive comprising an explosive liquid nitric ester, nitrocellulose, ammonia nitrate, and a non-detonating absorbent, and having a density corresponding to from about 90 to about 100 1¼" x 8" cartridges per 50 pounds, the ammonium nitrate being present in an amount between about 26% to about 46% of the mixture, and the explosive liquid nitric ester being present in amount between about 22% and about 28% of the mixture.

2,120,504
**METHOD OF AND APPARATUS FOR APPLYING A FLEXIBLE SHEET TO A RECEPTACLE**
Thomas H. Nifong, Winston-Salem, N. C., assignor of one-half to George Agee, Winston-Salem, N. C.
Application May 6, 1935, Serial No. 20,100
51 Claims. (Cl. 216—29)

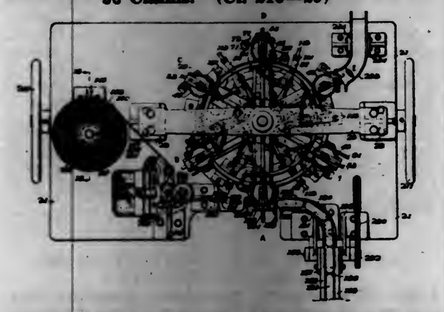
51. In the method of applying a flexible sealing strip in overlapping relation to a container and its closure element, the steps of pressing the flexible strip into contact with the side of the container and continuing such pressing action while turning the container to wind the strip upon the container, effecting a retarding paying out action of the strip during the winding



action for placing the strip under tension, and severing the strip.



2,120,505
**APPARATUS FOR APPLYING FLEXIBLE STRIPS TO RECEPTACLES**
Thomas H. Nifong, Winston-Salem, N. C., assignor to Nifong Sealing Machine Company, Winston-Salem, N. C., a corporation of North Carolina
Application December 6, 1935, Serial No. 53,275
36 Claims. (Cl. 216—29)

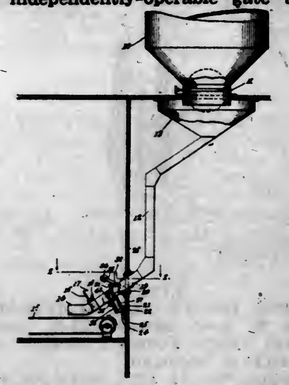


1. In a machine for applying a strip or tape to a receptacle, means to continuously advance the receptacle, means for bringing the strip into contact with the receptacle during the advancing movement, and means to cause the strip to be wound upon the receptacle during the advancing movement including an element to press the strip to the receptacle, and a yielding gripping element to engage the strip at a point remote from the receptacle.

9. In a machine for applying a flexible strip or tape to a receptacle, a device to engage the strip and press the same upon the receptacle, and a blade carried by the device to cut the strip when the device presses the strip upon the receptacle, and means to turn the receptacle and device about a common axis.

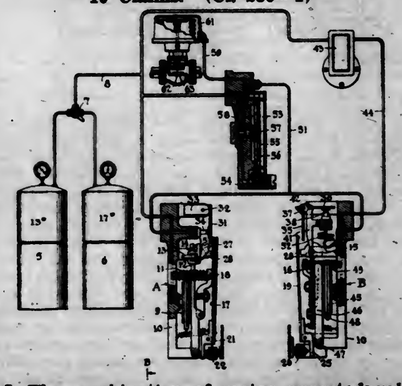
2,120,506
**DAMPER REGULATOR**
James R. O'Rourke, Galveston, Tex., assignor of one-third to R. E. Fristoe and one-third to H. F. Johnson, both of Galveston, Tex.
Application April 13, 1937, Serial No. 136,662
12 Claims. (Cl. 192—32)

10. In combination with a spout, a movable damper therein opened by the movement of the material through the spout, means tending to close said damper, a regulator for said damper, and an independently-operable gate adjacent



said damper for regulating generally the volume of flow in the spout.

2,120,507
**TEMPERATURE REGULATION**
Carl A. Otto, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 8, 1936, Serial No. 95,013
10 Claims. (Cl. 236—1)



5. The combination of motor operated valve means arranged to control a heating medium in winter and a cooling medium in summer; a fluid pressure relay controlling said valve means; and two thermostatic leak valves subject to temperatures induced by said media, and connected to control said relay one of said two valves which is suited to control the heating medium having a lower control point than the other of said two valves which is suited to control a cooling medium, said leak valves being so arranged that both are closed in the temperature range between their respective control points, and they open selectively as temperature passes outside said range in one or the other direction.

2,120,508
**CORSET**
Greta Rayner, Vancouver, British Columbia, Canada
Application May 11, 1937, Serial No. 141,966
3 Claims. (Cl. 2—38)

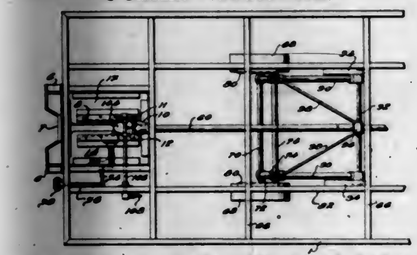
1. A corset having an opening in the back extended to the bottom thereof, a "Zipper" fastener

on the edges of the said opening, and an elastic band having its ends fastened on the inside



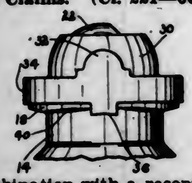
wall of the corset disposed across the said opening to reinforce the holding power of the said "Zipper" fastener.

2,120,509
**LOCKING DEVICE FOR SEMITRAILERS**
Frederick M. Reid, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan
Application May 14, 1937, Serial No. 142,659
4 Claims. (Cl. 280—33.1)



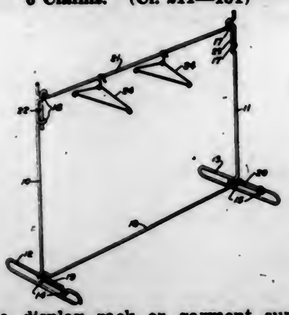
1. In a tractor-trailer fifth wheel device, in combination, means forming a slideway therebetween, a member movable longitudinally of said slideway, a pair of jaw members pivotally connected to said movable member and provided with recesses in their opposed faces adapted for reception and retention of a king-pin therein, said jaw members being separable when in partially projected position with respect to said slideway whereby to release said king-pin therefrom, and inter-engaging means on said slideway and one of said jaw members when said jaw member is in opened position forming sole means to positively lock said movable member against movement inwardly of said slideway under the influence of forces applied thereto independently of said jaw members.

2,120,510
**ROTARY TUBE CLOSURE**
Frank O. Rhoads, Seattle, Wash.
Application March 5, 1937, Serial No. 129,253
4 Claims. (Cl. 221—60)



1. The combination with a receptacle having a neck provided with a passage therethrough, of a rotary valve head having a port therethrough, opposed lugs on said head journaled on said neck, one of said lugs having an arcuate rack thereon, a rack on said neck adapted for co-action with said arcuate rack whereby rotary motion imparted to said valve head will aline said passage and port.

2,120,511
**SUPPORTING RACK**
Roy S. Risdon, San Francisco, Calif.
Application June 1, 1937, Serial No. 145,682
6 Claims. (Cl. 211—181)



1. In a display rack or garment supporting holder of the character described constructed entirely of solid or tubular material, comprising end frames having transversely bent floor engaging portions with two horizontally spaced loops formed therein for the reception of the ends of a spacing stay rod, a vertically extending portion upon said end pieces having vertically spaced loops at the top for the reception of the ends of a second spacing stay rod, and a pair of similar spacing stay rods having their ends bent at a right angle and inserted into the spaced loops at the top and bottom of said end frames, whereby said end frames will be held in a vertical position and hold the upper spacing stay rod in a position to be used as a support for articles to be displayed.

2,120,512
**SULPHURIC ACID DERIVATIVES OF ORGANIC ACID AMIDES**
Erich Rosenhauer, Dusseldorf-Benrath, Germany, assignor to the firm Henkel & Cie, G. m. b. H., Dusseldorf, Germany
No Drawing. Original application April 27, 1934, Serial No. 722,686. Divided and this application May 22, 1937, Serial No. 144,312. In Germany May 12, 1933
7 Claims. (Cl. 260—124)

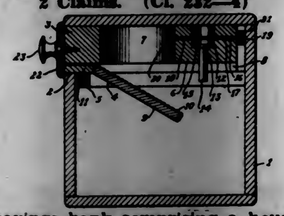
1. An alkali-metal salt of sulphonated oxy-fatty acid-amides which are substituted at the amido group by a higher non-aromatic hydrocarbon radical containing at least six carbon atoms and at the oxygen by a hydrocarbon group containing not more than 10 carbon atoms.

2,120,513
**MANUFACTURE OF NITROGENOUS CELLULOSE DERIVATIVES**
Richard Stahn, Dessau, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 8, 1935, Serial No. 35,401. In Germany August 14, 1934
7 Claims. (Cl. 260—152)

1. A process of producing cellulose derivatives containing nitrogen which comprises subjecting a cellulosic material in the presence of an aqueous alkaline liquid of at least 2 per cent strength simultaneously to the action of epichlorhydrin and a compound selected from the group consisting of ammonia and ammonia derivatives, the reaction being carried out at about room temperature.

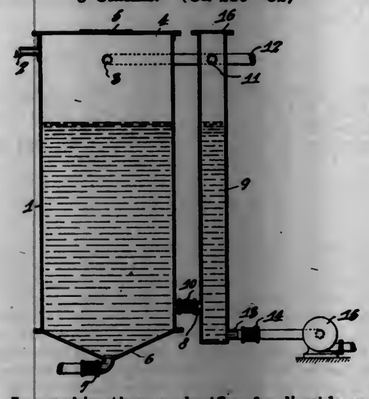


2,120,514
**SAVINGS BANK**
Frederick L. Stephens, St. Louis, Mo.
Refiled for abandoned application Serial No. 109,910, November 9, 1936. This application August 23, 1937, Serial No. 160,413
2 Claims. (Cl. 232—4)



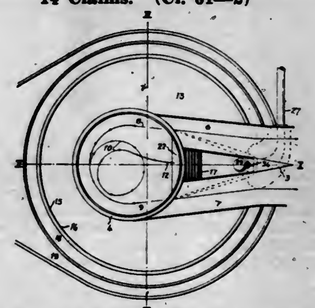
1. A savings bank comprising a housing providing a receptacle for coins, a drawer arranged for sliding movement in said housing, said drawer having a coin opening formed therein for the reception of coins, and means associated with said drawer for preventing complete withdrawal of the drawer from the housing, said means including a displaceable stop pin supported in a vertically disposed opening formed in said drawer and adapted to engage a portion of the housing for preventing complete withdrawal of the drawer from the housing, and a displaceable pin extended transversely of said opening for preventing displacement of said stop pin, said displaceable pin being so located and positioned at such distance from an end of said stop pin when the stop pin is in its normal position that on movement of said stop pin longitudinally of the opening in which it is located to a predetermined extent said end of said stop pin will contact with said displaceable pin so as to stop the movement of the stop pin before it has been entirely displaced from its opening.

2,120,515
**CLARIFIER**
Johann Joseph Stoeckly, Teltow-Seehof, Germany, assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application April 3, 1936, Serial No. 72,470
In Germany April 11, 1935
3 Claims. (Cl. 210—52)



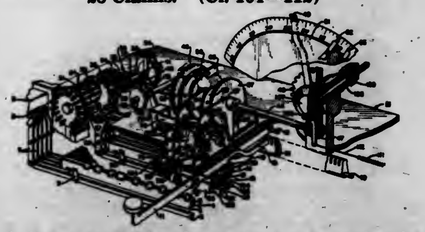
1. In combination, a clarifier for liquids, a discharge pump therefore, means positioned between said clarifier and pump to absorb impulses in the flow of liquid from said clarifier to said pump, and pipe lines connecting said means with the clarifier and the pump.

2,120,516
**APPARATUS AND PROCESS FOR DESILTING NATURAL STREAMS OF WATER**
Frederick Victor William Swanton, Johannesburg, Transvaal, Union of South Africa, assignor of one-half to Charles Perlman, Johannesburg, Transvaal Province, Union of South Africa
Application August 10, 1934, Serial No. 739,323
In Union of South Africa August 24, 1933
14 Claims. (Cl. 61—2)



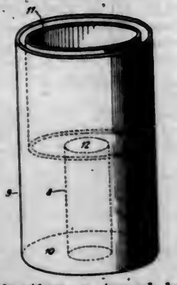
1. The process of de-silting a natural stream of water which consists in dividing the stream and leading its divided portions into the upper zone of the body of water in opposite directions whereby said portions will impinge together and mutually reduce their velocities to precipitate silt, withdrawing water from a peripheral point of the lowest zone of said body and thereby forming a localized current of silt-carrying velocity along the bottom of said body of water, and separately discharging the remainder of the stream.

2,120,517
**KEYBOARD PERFORATOR AND COUNTER**
Kimmel A. Sylvester, Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware
Application April 18, 1936, Serial No. 75,061
28 Claims. (Cl. 164—112)



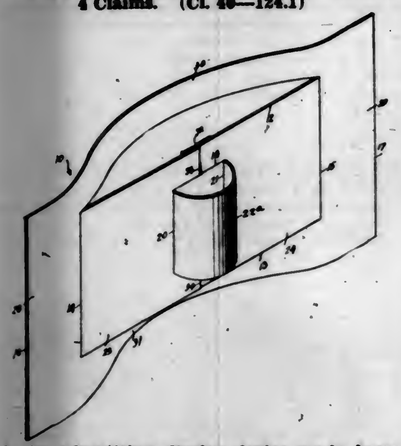
1. In an apparatus for preparing control strips for linecasting machines, an indicator, a counting mechanism operable under certain conditions for operating said indicator, automatic means cooperable with said counting mechanism for augmenting the extent of operation of said indicator, and automatic means cooperable with said counting mechanism for decreasing the effect of said counting mechanism upon said indicator.

2,120,518
**SHORT WAVE TUNED OSCILLATORY CIRCUIT**
John F. Dreyer, Jr., Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 18, 1934, Serial No. 744,497
Renewed October 16, 1937
17 Claims. (Cl. 250—36)



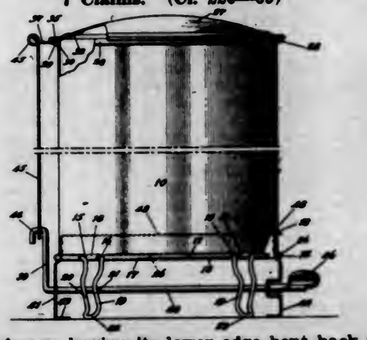
17. In combination, a tuned high frequency circuit comprising a hollow inner and a hollow coaxial outer conductor, both coupled together to form a resonant circuit, a connection extending within the interior of said inner conductor for a substantial portion of the length of said inner conductor, and a translating circuit coupled to both terminals of said connection.

2,120,519
**ADVERTISING DISPLAY DEVICE**
Allan Friedman, Brooklyn, and Benjamin S. Coines, Mount Vernon, N. Y.
Application March 15, 1938, Serial No. 195,936
4 Claims. (Cl. 40—124.1)



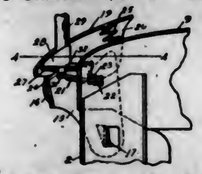
1. An advertising display device made from a single sheet of material of regular contour, the said device comprising a marginal frame having vertical and horizontal marginal portions, a pair of spaced apart vertical score lines each score line being spaced from the end edge of its respective vertical marginal frame portion, a pair of spaced apart horizontal cuts extending between the said vertical score lines, the said cuts being spaced from the top and bottom edges of the respective horizontal marginal frame portions, a second pair of spaced apart horizontal cuts spaced inwardly from the first mentioned horizontal cuts and of shorter length than the said first mentioned cuts, a pair of spaced apart vertical score lines connecting the ends of the said second mentioned cuts, an area formed between the said second mentioned horizontal cuts and vertical score lines for simulating an article of merchandise, an upper vertical cut extending between the upper horizontal cuts, a lower vertical cut extending between the lower horizontal cuts, and means on each side of the vertical cuts for interlocking the portions of the device on either side of the said vertical cuts.

2,120,520
**GARBAGE AND WASTE CAN**
Meyer Kamenstein, Brooklyn, N. Y.
Application August 28, 1935, Serial No. 38,176
7 Claims. (Cl. 220—69)



1. A cam having its lower edge bent back integrally upon itself to form a bead for strengthening the lower edge of the can, said bead being interrupted at spaced apart points along its length to form openings therein, said openings being arranged in pairs of closely adjacent openings, two of said pairs of openings being located within one-half of the perimeter of the can to form an adjacent pair, a single wire having portions located in the bead on opposite sides of said adjacent pair of openings to reinforce the bead and thus constitute a bead wire, and said length of wire having spaced apart portions bent downwardly from the portions contained in the bead and forming U-shaped legs, one for each pair of openings, with one side of each U-leg projecting through one of its associated openings in the bead.

2,120,521
**WRINGER**
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application July 11, 1932, Serial No. 621,920
5 Claims. (Cl. 68—263)



1. In a wringer, the combination of a frame; rolls mounted in the frame; pressure means for the rolls exerting pressure from the frame on the rolls; a safety release device for the means adapted to release the pressure means; and actuating means actuating the device, said actuating means including a handle operable to actuate the means by a horizontal force applied thereto in any direction.



2,120,522
**METHOD OF KNITTING HOSIERY**
Fritz Lambach, Belleville, N. J., assignor to Robert Reiner, Incorporated, a corporation of New Jersey
Application June 29, 1937, Serial No. 150,987
7 Claims. (Cl. 66—82)



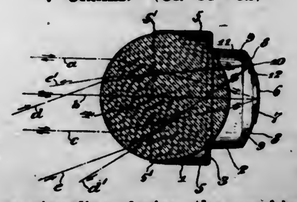
1. The method of knitting a combination full-fashioned stocking blank, which comprises knitting the leg and high heel portions of the blank on a needle series, supporting the terminal wale loops of the last course of high heel fabric extending from the heel corners to the selvages on loop lifting points, knitting a first course of foot fabric and supporting the sinker loops of said course formed on empty needles from the heel corners to the selvages on take-up hooks, knitting the foot portion of the fabric while maintaining said supported loops respectively on said loop lifting points and hooks, transferring the supported course of high heel loops and first course of foot loops extending from the heel corner onto adjacent portions of a needle series, knitting heel courses onto the leg portion of the blank, and during the knitting of said courses, inter-knitting the inner selvage edges of said heel portions into the adjoining supported foot fabric loops.

2,120,523
**EMERGENCY LIGHT OR TORCH NO. 1**
Charles Linhardt, Jr., Baltimore, Md.
Application February 6, 1937, Serial No. 124,451
1 Claim. (Cl. 48—35)



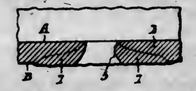
An emergency light comprising a casing, a top and bottom hermetically sealing the ends of said casing, said bottom provided with an opening, a perforated boss surrounding said opening on the interior of said bottom, a perforated tube having one end closed and its free end secured to and surrounding said boss, said tube terminating into and adjacent the central portion of said casing so as to prevent the spent carbide from clogging or choking said water openings in the boss and bottom of the casing, said top provided with an outlet gas opening, and means to close the gas and water openings of the top and bottom, respectively.

2,120,524
**SELF-FOCUSING REFLECTOR DEVICE**
Richard W. Luce, Westfield, N. J., assignor to American Gasaccumulator Company, Elizabeth, N. J., a corporation of New Jersey
Application August 30, 1929, Serial No. 389,338
Renewed March 6, 1934
7 Claims. (Cl. 88—82)



1. In a signaling device, the combination of a spherical condensing lens, and a curved reflector associated therewith and having a portion of its reflecting surface located in the foci of parallel rays of light impinging upon said lens from a source opposite the reflector and another portion offset therefrom and located between said lens and the foci of parallel rays impinging upon said lens and upon said last mentioned portion after traversing the lens.

2,120,525
**METHOD OF BUILDING UP PITTED HOLES IN A METAL SHEET**
Thomas J. McKerihan, Juniata, Pa.
Application June 1, 1937, Serial No. 145,782
1 Claim. (Cl. 29—148)



The method of building up a pitted area in the crown sheet of a boiler around a crown bolt attached to said sheet which consists in removing said bolt, heating the pitted area surrounding the bolt hole, placing a backing means to said pitted area; applying pressure rigidly over the area of said sheet opposite the pitted side, pressing said pitted area outwardly against the backing means until a smooth surface is obtained on the previously pitted side, building up by autogenous welding the depressions caused by said application of pressure to the side opposite to the pitted area of said sheet, removing the excess welding material, and redrilling a hole for the crown bolt.

2,120,526
**MOLD AND PROCESS OF MAKING SAME**
William Henry Owen, Chicago, Ill.
No Drawing. Application June 29, 1936, Serial No. 87,958
7 Claims. (Cl. 22—188)

1. In molding means a sand mold, a plastic and adhesive coating for said mold consisting of an aqueous solution of bentonite which is in the form of a gel at ordinary temperatures and acts as a binder and which takes on a crystalline form and loses its binding property at higher temperatures, and a pulverulent facing applied to said coating as a separate layer, said adhesive coating

functioning to bind the facing to the mold at ordinary temperatures and functioning so as not to bind the facing at high temperatures.

2,120,527
**INCANDESCENT NERNST LAMP**
Michael Parisi, New York, N. Y., assignor of one-half to Mervin P. Doughty, Lawrence, N. Y.
Application October 1, 1936, Serial No. 103,493
3 Claims. (Cl. 176—17)



1. A filament structure for incandescent lamps comprising in combination, a pair of circular ring-like members, projections extending from the peripheral edge of each of said ring-like members, means for rigidly supporting said ring-like members in spaced relation, a continuous electrical incandescent element bridging the space between said ring-like members and carried by the projections on the peripheral edges thereof, and an incandescent element of non-conducting material mounted between said ring-like members and wholly within the confines of the space enclosed by the electrical filament.

2,120,528
**SPRING ASSEMBLY**
Julius E. Purweet, Maspeth, Long Island, N. Y.
Application October 12, 1935, Serial No. 44,803
Renewed November 9, 1937
3 Claims. (Cl. 267—72)



1. A spring assembly comprising two similar completely preformed wire tension members fixedly disposed in planes extending at right angles to each other, each tension member being of U-form having parallel sides connected at a crotch end, with the free ends bent relatively outward from each other to form a pair of disc-face engaging abutments and their extreme ends bent back at right angles to the face engaging abutments to form disc-edge-lapping stops, a coiled compression spring of less length than the tension members, having the inner sides of its turns engaging and guided by the four parallel sides of the tension members, a pair of spring abutment discs at opposite ends of the spring, each disc provided with a pair of narrow, intersecting slots extending at right angles to each other in the form of a Maltese cross and each slot containing at its outer end one of the four sides of the two tension members in spring pressed engagement with the disc at said outer end, whereby each side is held from outward movement at two points along its length, the inner faces of the discs being engaged by opposite ends of the spring in the region thereof external to the slots, the outer face of each disc engaging its associated abutment and diametrically opposite points of its peripheral edge engaged by the stops at the adjacent ends of the tension member whereby each disc is held to its seat provided by the abutment and stops by the spring, the crotch end of each tension member having a width less than the length of the slot which parallels it in the adjacent disc whereby in assembling and in demounting the spring assembly the crotch end of each tension member may be withdrawn through the disc which is adjacent thereto thus releasing the same from the spring and each slot having a length greater than the width of the bent end of each tension member plus the diameter of the wire forming the tension member whereby each disc may be either hooked on to or unhooked from the disc adjacent its free end when free of the spring without necessity of bending or otherwise modifying the preformed forms of the tension members.

2,120,529
**DETERMINATION OF BARIUM AND SULPHATE BY MEANS OF TETRAHYDROXYQUINONE**
Wilburn C. Schroeder, Highland Park, N. J., assignor of one-half to W. H. & L. D. Betz, Philadelphia, Pa.
No Drawing. Application June 7, 1935,
Serial No. 25,417
7 Claims. (Cl. 23—230)

1. A stable preparation comprising a dry mixture of an alkali salt of tetrahydroxyquinone and an alkali metal chloride, said salts being adapted to be dissolved together for use as an indicator for the presence of barium.

2,120,530
**FASTENING DEVICE**
Winsor Shippee and Carl C. Shippee, Red Bank, N. J.
Application October 30, 1936, Serial No. 108,423
18 Claims. (Cl. 24—221)



12. A fastening device comprising a pair of separate, co-engaging fastening elements coacting with parts to be fastened together, one of the said elements comprising a plate having an opening therethrough and mounted on one of the parts, and the other of the said elements being a bolt extending through the parts to be fastened together, the said bolt having its shank terminating in a stud having one transverse dimension longer than the dimension transversely thereof in the same plane and adapted to project through the opening in the plate, the said opening also being longer in one direction than in the direction transversely thereof, slots extending oppositely from the ends of the elongated opening, means on the bolt for securing the bolt relatively immovably in the parts to be secured together, mounting means for the plate enabling the plate to be turned relative to the bolt so as to force the short dimension of the opening of the plate over the long dimension of the stud, thereby producing a yielding of the plate through expansion of the said opening and slots, and means on the stud for gripping the plate in response to the yielding thereof to secure the plate and bolt in releasable locking position.

2,120,531
**CONTAINER FOR LIQUID PAINTS**
René Marc Sichère, Long Island City, N. Y., assignor to Mechanical Ornamentation Corporation, a corporation of New York
Application December 30, 1937, Serial No. 182,491
4 Claims. (Cl. 221—60)

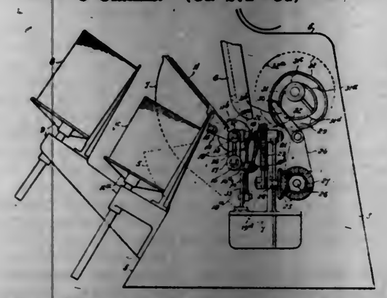
1. A package of the character described comprising a container of soft collapsible metal having a liquid therein and sealed at both ends, and a ring carried by the container and formed with a plurality of slots some of which are spaced a



predetermined distance apart to provide means for locating the container in a predetermined position in a machine adapted to be used therewith.



2,120,532
**DELIVERY MECHANISM OF PLATEN PRINTING PRESSES**
Frank Sydney Thompson, Manchester, England, assignor to T. C. Thompson & Son, Limited, Manchester, England
Application April 20, 1937, Serial No. 139,935
In Great Britain May 31, 1935
3 Claims. (Cl. 271—84)



1. In a delivery mechanism for a platen printing press of the type described, the combination comprising a fixed guide, a gripper device slidably mounted on the fixed guide and means for reciprocating the gripper device including a toggle comprising a member rotatably mounted about a fixed axis positioned intermediate the ends of said fixed guide, another member pivotally connected to the gripper device and to said first mentioned toggle member, said second mentioned toggle member having an extension thereon extending beyond the point of connection with the first mentioned toggle member, and a second fixed guide positioned intermediate the extreme positions of movement of the gripper device and cooperating with the extension of said second mentioned toggle member, whereby the toggle is extended on each side of the fixed axis of oscillation of said first mentioned toggle member.

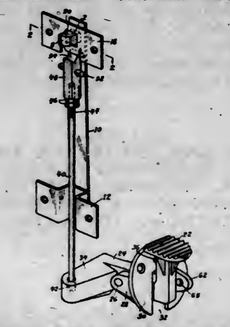
2,120,533
**METHOD OF MAKING ROLLER BEARINGS**
Vivian Earle Tillson, L'Anse, Mich., assignor to Tillson Bearing Corporation, L'Anse, Mich., a corporation of Michigan
Application October 28, 1934, Serial No. 749,210
6 Claims. (Cl. 29—148.4)

2. The method of making roller bearings which consists in providing concentric cylindrical bearing races, multiple bearing rollers spaced apart circumferentially and having rolling fit between said races, spacer rollers alternately interposed between the bearing rollers, said spacer rollers being of larger diameter than the intervals between said bearing rollers and having extended end portions, and races for said end portions,



proportioning the diameters of said rollers and said end portions and their races for substantially pure rolling contact but with slight excess of material on the faces of said end portion races to produce an initial pressure contact, and then causing the wearing away of said excess material by forced operation of the bearing.

2,120,534
**LATCH MECHANISM AND OPERATING MEANS THEREFOR**
Gunther Philip Wild, Philadelphia, Pa., assignor to C. V. Hill & Company, Incorporated, Trenton, N. J., a corporation of New Jersey
Application December 24, 1937, Serial No. 181,666
10 Claims. (Cl. 292—255)

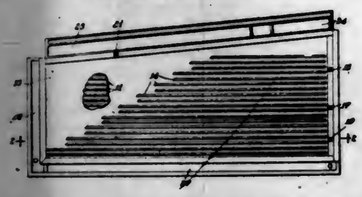


10. Latching mechanism for doors and the like comprising a latch mounted on a frame for the door and movable horizontally into and out of a projected position, a relatively long spring strip located in a vertically extending recess in said door frame and having one end thereof operatively connected to said latch and having the other end secured in position with respect to said frame, said spring strip serving to urge said latch toward its projected position, a member fixed on said frame having a part projecting inwardly in said recess adjacent the free end of said spring strip, a cam element movable vertically in engagement with the inwardly projecting part of said fixed member and positioned to engage said spring strip near the free end thereof to retract said latch on inward movement of said element, said cam element and part having cooperating surfaces serving to force said element inward on upward movement of said element, a rod for raising said

cam element, a lever for raising said rod pivotally mounted on said frame and weighted on its inner end to normally assume a lowered position and a foot treadle on the opposite end of said lever for raising said weighted inner end and said rod to retract said latch.

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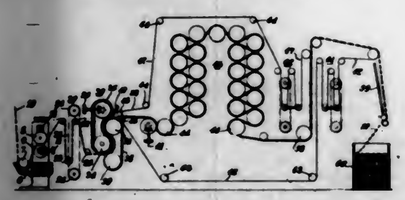
2,120,535
**CONCENTRATION OF MINERALS**
Eltoft Wray Wilkinson, Berkeley, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
Application December 21, 1936, Serial No. 116,866
2 Claims. (Cl. 209—49)



1. The method of concentrating a non-sulphide material containing valuable and gangue particles, which consists in conditioning the said material with selective flocculating agents promoting the formation of skin-floated particles and loosely bonded agglomerates of particles, then flowing a pulp of said conditioned material in a thin layer over a porous moving surface through which air is passing upwardly, thereby facilitating the creation on and in the pulp of skin-floated particles of one kind and loosely bonded agglomerates of particles of the same kind, and together delivering and collecting the said skin-floated particles and the said loosely bonded agglomerates from said surface separately from the other particles.

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2,120,536
**METHOD AND APPARATUS FOR PRESHRINKING CLOTH**
Henry A. Woodhead, Graniteville, S. C.
Application November 24, 1934, Serial No. 754,578
14 Claims. (Cl. 26—18.6)



1. Apparatus for mechanically working a fabric web to effect a change in its superficial dimensions comprising; a web working band having a plurality of pointed elements thereon with their outer ends disposed in longitudinally spaced relation and forming a multi-point surface adapted to grip and advance the web; means for holding the web against said band; means for driving said band; and means for effecting changes in the longitudinal spacings of said ends of said pointed elements, as said band is driven, to cause said pointed elements to mechanically work the web by exerting a working action on the component yarns of the web for readjusting their positions within the body of the web.

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2,120,537
**UTILIZATION OF NAPHTHENIC ACIDS**
Julius A. Wunsch, New York, N. Y.
No Drawing. Original application February 25, 1932, Serial No. 595,237. Divided and this application June 3, 1935, Serial No. 24,716
1 Claim. (Cl. 260—153)

A method of producing a naphthenyl alcohol which consists in reducing a naphthenic acid in a hydrogen atmosphere at a temperature of about 200 degrees C., and under a pressure of about 150 pounds per square inch in the presence of a hydrogenation catalyst.

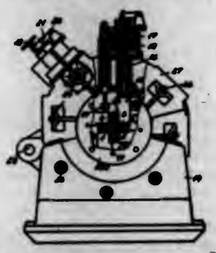
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2,120,538
**PROCESS OF OXIDIZING NAPHTHALENE TO PHTHALIC ANHYDRIDE**
Chester E. Andrews, West Brookline, Upper Darby, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware
No Drawing. Original application October 22, 1929, Serial No. 418,685. Divided and this application June 29, 1932, Serial No. 619,888
9 Claims. (Cl. 260—123)

9. In the process of catalytically oxidizing naphthalene to form phthalic anhydride, the step which comprises passing the vapor of the naphthalene mixed with the gas containing free oxygen over a catalyst essentially comprising a compound of a metal of the 5th and 6th groups of the periodic system coated on the surface of a metal which oxidizes under the conditions of reaction but which forms an oxide which is not an active combustion catalyst.

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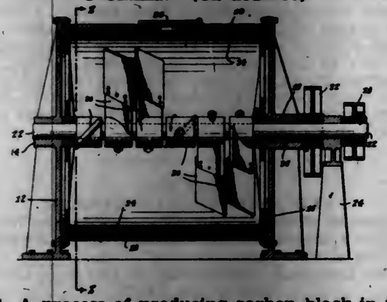
2,120,539
**ROLLING MILL**
Paul Barth, Duisburg, Germany, assignor to Demag Aktiengesellschaft, Duisburg, Germany
Application August 21, 1936, Serial No. 97,149
In Germany February 25, 1936
4 Claims. (Cl. 80—34)



1. A rolling mill adapted for reducing tubes in a number of roll passes disposed one behind the other and comprising a number of groups of working rolls, each group consisting of at least three rolls, corresponding frames for supporting the respective groups of rolls, the said rolls being staggered mutually from frame to frame, a roll spindle for each roll, connecting spur gearing by which those roll spindles lying in a common plane are connected together, and means for imparting a drive to the said gearing so that each of the said roll spindles receives a drive from the preceding roll spindle in the common plane.



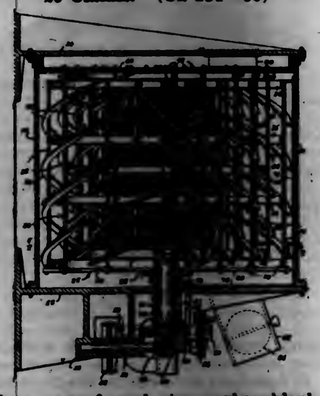
2,120,540
**MANUFACTURE OF CARBON BLACK**
Edmund Billings, Weston, and Harold H. Offutt, Winchester, Mass., assignors to Godfrey L. Cabot, Inc., Boston, Mass., a corporation of Massachusetts
Application July 18, 1932, Serial No. 623,184
4 Claims. (Cl. 134—60)



1. A process of producing carbon black in the form of granules of sufficient density and cohesion to withstand handling in bulk without disintegration, which consists in confining a mass of flocculent carbon black of commerce in a horizontal drum, subjecting it to turbulent agitation by passing rotary blades through the mass and simultaneously scraping the sides of the container to remove wall cake therefrom and continuing such agitation until the carbon black agglomerates into granules which are self-sustaining but capable of disintegration under shearing pressure.

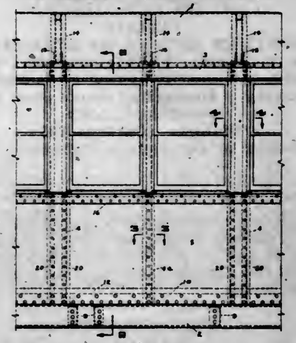
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2,120,541
**MANUFACTURE OF CARBON BLACK**
Edmund Billings, Weston, and Harold H. Offutt, Winchester, Mass., assignors to Godfrey L. Cabot, Inc., Boston, Mass., a corporation of Massachusetts
Application November 16, 1932, Serial No. 642,850
29 Claims. (Cl. 134—60)



10. A process of producing carbon black in the form of granules of pure carbon black of sufficient density and cohesion to withstand handling in bulk without disintegration, which consists in subjecting flocculent carbon black of commerce in a dry state to turbulent agitation, and continuing such agitation until said carbon black assumes the form of relatively tenacious self-sustaining granules.

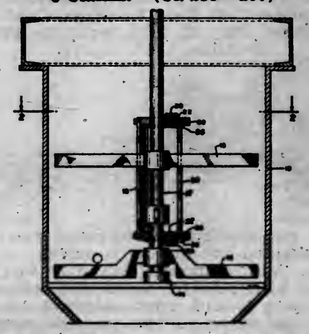
2,120,542
**CAR CONSTRUCTION**
Minot C. Blest and Felix Koch, Bellevue, Pa., assignors to Pressed Steel Car Company, McKees Rocks, Pa., a corporation of New Jersey
Application August 28, 1934, Serial No. 741,814
9 Claims. (Cl. 105—397)



1. In a car side wall, a continuous sill member extending throughout the length of the wall with vertical and horizontal flanges embracing the underframe, a vertically disposed flange at one side of the upper horizontal flange, and a bracket on said upper horizontal flange having an upstanding leg forming, with the vertical flange, a pocket, spaced vertical posts having front and rear faces secured to the vertical walls of the pocket, an inverted U-shaped side plate member embracing the front and rear faces of the posts, the front leg of the side plate member extending a substantial distance down the front face of the posts, a belt rail extending transversely of the posts intermediate the ends thereof and connected to the front and rear faces of the posts, and sheathing extending between the posts and between the belt rail and vertical flange of the sill.

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2,120,543
**APPARATUS FOR MIXING MATERIALS**
Frank P. Broussard, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 19, 1937, Serial No. 143,426
6 Claims. (Cl. 259—107)



1. Apparatus for mixing materials comprising a chambered member, a vertically disposed shaft extending into said chambered member and adapted to be rotated therein, an arcuate plate having one of its longitudinal edges bevelled to

provide a cutting edge disposed within said chambered member parallel to said shaft on an axis which is eccentric with respect to the axis of said shaft, and means connecting said shaft and said plate for imparting to said plate any rotary movement of said shaft.

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2,120,544

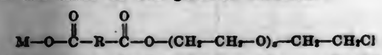
## CHLOROETHER ESTERS OF DIBASIC ACIDS

Herman A. Bruson, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application September 1, 1937, Serial No. 161,963

6 Claims. (Cl. 260—103)

1. An ester of the general formula—



wherein R is a divalent hydrocarbon radical having 2 to 6 carbon atoms, inclusive; $x$ is an integer not over 2, and M is a monovalent hydrocarbon radical of the aliphatic, arylaliphatic, and cycloaliphatic series.

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2,120,545

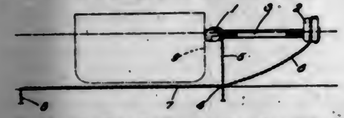
## SHOCK ABSORBING MARINE BERTHING DEVICE

Ernest James Buckton, London, England

Application January 23, 1936, Serial No. 60,476

In Great Britain March 4, 1935

3 Claims. (Cl. 114—0.5)



1. A shock-absorbing marine berthing device, comprising in combination a normally floating buoyancy member and a floating fender member rigidly spaced therefrom, and means forming a common submerged horizontal axis substantially in the vertical plane of said fender member and about which said members are each pivoted, so that horizontal displacement of said fender member causes, and is resiliently opposed by, a sharp depression of said buoyancy member.

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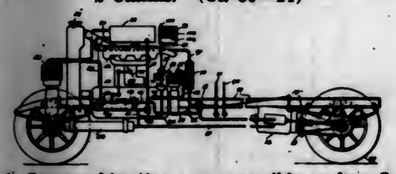
2,120,546

## MECHANICAL TRANSMISSION

Robert Cady Burt, Pasadena, Calif.

Application May 25, 1931, Serial No. 539,966

2 Claims. (Cl. 60—14)



1. In combination, a reversible valve fluid motor adapted for driving a vehicle, a prime mover, a fluid compressor driven by said prime mover, a high pressure connection between the exhaust port of said compressor and the intake port of said motor, a low pressure connection between the exhaust port of said motor and the intake port of said compressor, a high pressure reservoir in said high pressure connection, a low pressure reservoir in said low pressure connection, means controlling the operation of said compressor tending to maintain the pressure in said high pressure reservoir, substantially constant at a normal value, a relief valve connected to said high pressure reservoir, said relief valve being set to discharge at some pressure higher than said normal pressure and adapted thereupon to discharge fluid into said low pressure reservoir, means for reversing the valves on said motor to cause the motor to act as a compressor, a throttle in said high pressure connection between said high pressure reservoir and said motor, and valve means adapted when said throttle is closed to prevent the flow of fluid from said high pressure reservoir into said motor but to permit fluid compressed by the motor to be pumped back into the high pressure reservoir.

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2,120,547

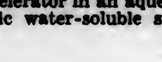
## VULCANIZATION OF RUBBER

Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 16, 1935, Serial No. 45,233

16 Claims. (Cl. 18—53)

1. A method of treating rubber which comprises subjecting it to vulcanization in the presence of an aldehyde derivative of a material having the formula



in which R, X and $R_1$ are selected from the group consisting of straight chain and cyclic aliphatic hydrocarbon groups.

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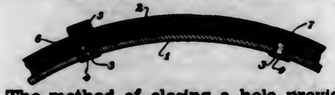
2,120,548

## PLUG INSERT FOR FRICTION ELEMENT AND METHOD OF MAKING THE SAME

Simon Collier, Waukegan, Ill., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application January 29, 1935, Serial No. 3,903

3 Claims. (Cl. 188—251)



1. The method of closing a hole provided for introduction of a fastening element in a friction element to fasten said element to a support in assemblies of the type of automobile brakes and clutches which comprises forming a compressible heat-hardenable, semiplastic plug of friction material, inserting the plug into the hole to be closed, compressing and shaping the plug to conform to the wall of the hole, polishing the exposed surface of the plug, and subsequently hardening the material therein during use of the finished assembly as a friction element.

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2,120,549

## DRY POWDERED PHENOL RESIN

Theodore Williams Dike, Seattle, Wash., assignor to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington

No Drawing. Application July 5, 1935, Serial No. 29,915

7 Claims. (Cl. 260—4)

1. The method of changing aqueous solutions and suspensions of thermo-plastic substances into particle form, comprising the steps of incorporating an accelerator in an aqueous solution of a thermo-plastic water-soluble synthetic resin, forming the solution into small particles, drying the particles in suspension in air and without mutual contact, and coating the particles with a coating powder, whereby non-agglomerated dry powder is produced.



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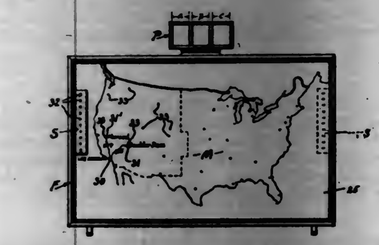
2,120,550

## DISTANCE ANNUNCIATOR

Don Stuart Doig, Glendale, Calif., assignor to Automobile Club of Southern California, a corporation of California

Application March 9, 1936, Serial No. 67,931

6 Claims. (Cl. 177—311)



1. A distance annunciator comprising: a map showing a plurality of geographically spaced points thereon, normally inoperative illuminable indicators at said points, a plurality of digital panels each bearing a plurality of illuminable elements electrically connected with said point indicators for selectively displaying numerals on said panels, and manually controlled means for simultaneously energizing said point indicators and said digital elements for forming numerals to correspond to the distance between selected points on said map.

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2,120,551

## MANUFACTURE OF TEXTILE PRODUCTS

Henry Dreyfus, London, England

No Drawing. Application May 22, 1936, Serial No. 81,265. In Great Britain June 13, 1935

13 Claims. (Cl. 28—1)

1. Process for the production of crinkle effects on yarns and similar textile materials, which comprises swelling them under such conditions that the swelling effect on the materials on one side of a medial longitudinal plane is greater than that on the other side.

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2,120,552

## COLORATION OF MATERIALS

George Holland Ellis and Alexander James Wesson, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application September 25, 1935, Serial No. 42,025. In Great Britain October 2, 1934

14 Claims. (Cl. 8—5)

1. A stain for coloring textile fabrics, said stain comprising an acid dye, a water-insoluble dye having affinity for cellulose acetate, and a dispersing agent, together in solution in a liquid containing, as the major constituent, an organic solvent for the water-insoluble dye.

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2,120,553

## KEY CAP

Konrad Fiader, Hochheim, near Erfurt, Germany, assignor to Olympia Büromaschinenwerke Aktiengesellschaft, Erfurt, Germany

Application November 14, 1935, Serial No. 49,703

In Germany October 31, 1933

7 Claims. (Cl. 197—102)



1. In a key-cap for key operated machines, the combination with recesses in the form of bas-relief characters on top of the cap, of channels communicating with said recesses and terminating at the bottom face of the cap, a hardened mass enclosed in said channels and recesses, and an element for attaching the cap to a key lever having a shank extending from said cap, said channels being located laterally of and spaced from said shank.

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2,120,554

## CHROMIUM STEEL

Russell Franks, Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application June 8, 1935, Serial No. 25,618

5 Claims. (Cl. 75—128)

1. Alloy steel having in the fully annealed state an impact strength at least 30 foot pounds Izod, and containing about 22% to 35% chromium, carbon in amounts not exceeding 1%, at least 0.1% and not over 0.65% nitrogen distributed substantially uniformly throughout the steel, and at least 0.25% but not over 3% metal selected from the group consisting of nickel, copper, and mixtures of nickel and copper; the remainder being substantially all iron.

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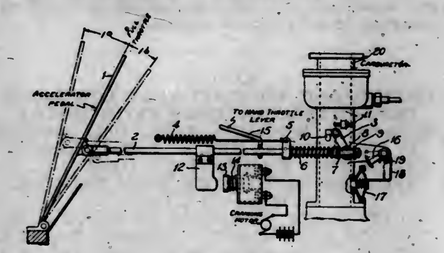
2,120,555

## AUTOMOTIVE ENGINE CONTROL

John Good, Garden City, N. Y., assignor to Automatic Motor Stop and Start, Inc., New York, N. Y., a corporation of New York

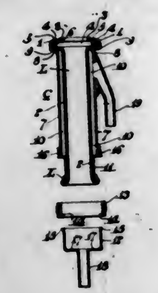
Application March 19, 1934, Serial No. 716,411

11 Claims. (Cl. 123—179)



1. In an automotive engine control system, the combination with a foot pedal at the operator's station, an engine throttle, operating connections between said pedal and throttle, said connections successively opening and closing said throttle by a single depression of the pedal and means at the operator's station to limit the extent of such throttle closure.

2,120,556
**INFLATION FOR MILKING MACHINE CUPS**
Herbert A. Greene, Philadelphia, Pa.
Application August 20, 1936, Serial No. 96,970
4 Claims. (Cl. 31—85)



1. The combination with an inflation for a teat-cup of a milking machine comprising a tube of yielding material and having a bulbous enlargement adjacent one end thereof, said end portion of the tube itself constituting a mouthpiece having a teat-receiving orifice, of an expansion ring manually inserted into said bulbous enlargement and adjustable therein axially of said tube to adjust the diameter of said orifice of the mouthpiece.

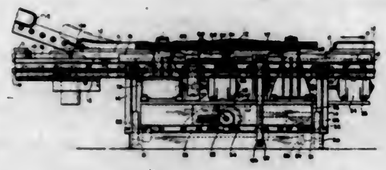
2,120,557
**SULPHONIC ACIDS OF CARBOXYLIC ACID AMIDES AND PROCESS FOR THE PRODUCTION THEREOF**
Hans Hanssmann, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application May 6, 1936. Serial No. 78,196. In Germany May 16, 1935
20 Claims. (Cl. 260—124)

1. The process for the production of amides which comprises condensing an aliphatic carboxylic acid substance selected from the class consisting of carboxylic acids, carboxylic halides, anhydrides and esters, containing outside the carboxylic group at least one halogen atom with an aromatic amino sulphonic acid the amino group of which contains at least one replaceable hydrogen atom and the sulphonic group of which is attached to an aromatic nucleus.

2,120,558
**METHOD AND APPARATUS FOR LOOSENING DEFORMABLE ARTICLES FROM MOLDS**
Raymond D. Hulslander, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 29, 1936, Serial No. 76,954
9 Claims. (Cl. 18—2)

1. The method of loosening deformable annular articles in molds which comprises feeding a work unit, consisting of article and mold, in a course that has a region of narrower width than the diameter of the article, whereby the article is deformed in opposed regions of its structure in passing therethrough, and rotating the work unit on its axis as it passes through said narrow region.

5. In apparatus for loosening deformable articles from molds, the combination of means for conveying a work unit consisting of article and mold, along a determinate course, an elongate stationary abutment projecting into said course and extending longitudinally thereof against which the article is forced, to effect local deformation of the article, and means for effecting angular movement of the article so that the latter presents other regions of its surface to the abutment as it moves longitudinally thereof.



2,120,559
**ABSORPTION REFRIGERATION**
Burgess H. Jennings, Bethlehem, Pa., assignor to The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application April 20, 1937, Serial No. 137,929
9 Claims. (Cl. 252—5)

1. A refrigerant mixture for absorption refrigerators, said mixture comprising a hydrogenated naphthalene as a solvent and a volatile chemically stable refrigerant soluble in said solvent.

2,120,560
**AZO DYESTUFFS AND THEIR PRODUCTION**
Hans Krzikalla and Paul Garbech, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Original application April 10, 1935, Serial No. 15,621. Divided and this application July 16, 1936, Serial No. 90,894. In Germany April 13, 1934
5 Claims. (Cl. 260—44.5)

5. The azo dyestuffs of the general formula

A—N=N—D—N=N—E

wherein A is the radicle of the addition compound of one molecular proportion of metaphenylene diamine with at least 5 molecular proportions of ethylene oxide, D is a diphenyl radicle and E is the radicle of a cyclic coupling component containing at least one substituent selected from the group consisting of sulfonic and carboxylic acid groups.

2,120,561
**COMPOSITE METALLIC BODIES**
Clemens A. Laise, Tenafly, N. J., and Jacob Kurtz, Brooklyn, N. Y., assignors to Eisler Electric Corporation, Union City, N. J., a corporation of Delaware
No Drawing. Application January 18, 1934, Serial No. 707,106
9 Claims. (Cl. 29—182)

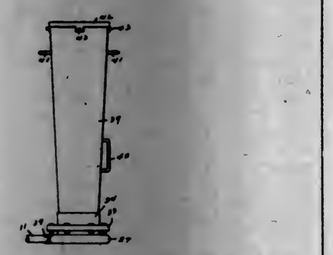
3. A composite metallic body comprising a core of high electrical and heat conductivity and a covering of a metallic material non-corrosive under normal conditions of oxidation and hydration, said covering constituting from 10% to 50% of the weight of the metallic body and adapted to form with said core a welding material readily forming an alloy with refractory metal.



2,120,562
**REFRACTORY MATERIAL AND PROCESS OF MAKING SAME**
Clemens A. Laise, Tenafly, N. J., assignor to Eisler Electric Corporation, Union City, N. J., a corporation of Delaware
No Drawing. Application October 11, 1934, Serial No. 747,891
16 Claims. (Cl. 75—137)

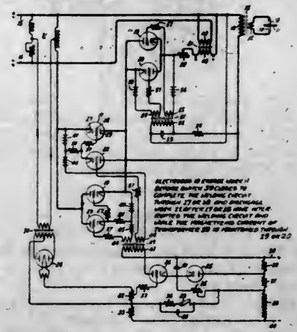
4. The method of making hard metal members comprising intimately intermixing finely divided powders of one or more refractory metals of the group consisting of tungsten, tantalum, titanium, zirconium, chromium, thorium and rhenium, with finely divided powders of one or more base metals of the group consisting of iron, manganese, nickel, cobalt, silver and copper, sintering and alloying said mixture and then carbidizing the same, finely dividing the carbidized product, thoroughly mixing therewith a paste of carbonizable material and thereby forming said carbidized material into a plastic mass, extruding said mass into a shape of the desired form, drying the same and cutting the dried shapes approximately to size, carbonizing said shapes and finally firmly cohering the carbonized product by baking at a temperature just below the melting point of the base metals.

2,120,563
**APPARATUS AND METHOD FOR REMOVING GAS FROM ENCLOSED AREAS**
Edward Lamb, San Francisco, Calif.
Application June 1, 1936, Serial No. 82,707
13 Claims. (Cl. 98—1)



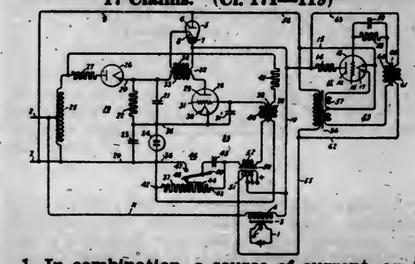
2. Fire fighting apparatus comprising a vehicle, an air compressor thereon, means for operating the compressor, a compressed air-operated air induction device formed with a Venturi-shaped open ended passageway and an annular discharge aperture adjacent the throat and around the inner side of the passageway arranged for discharging compressed air into the passageway toward one open end of the passageway whereby outside air will be induced to flow into the passageway through the opposite open end and through said passageway and out of the first mentioned open end, a flexible extensible compressed air line connecting between the compressor and said device, said device being removable from the vehicle independently of the compressor and being portable for positioning said device with said opposite open end in communication with the inside of a room and with the first mentioned open end directed outwardly of the room for inducing an outward flow of air, including gas or heat from the room upon actuation of the device.

2,120,564
**CONTROL SYSTEM**
Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 2, 1937, Serial No. 118,877
15 Claims. (Cl. 171—119)



1. In combination a transformer having primary and secondary windings, a load connected to the secondary winding of said transformer, a source of alternating voltage, means for connecting and disconnecting said source of alternating voltage to and from the primary winding of said transformer, and means for controlling the flux in said transformer to prevent a reversal of current in the secondary winding of said transformer when its primary winding is disconnected from said source of alternating voltage.

2,120,565
**ELECTRIC VALVE CIRCUIT**
Harold W. Lord and Theodore M. Dickinson, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application March 31, 1937, Serial No. 134,048
17 Claims. (Cl. 171—119)

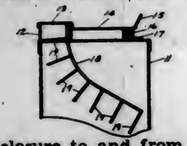


1. In combination, a source of current, an inductive device, a load circuit connected to said device, means connected between said source and said inductive device for supplying unidirectional current to said device during a predetermined interval of time, and means for energizing said device prior to and in the direction opposite to that effected by said first mentioned means to prevent reversal of current in said load circuit upon interruption of said unidirectional current.

2,120,566
**CONTAINER CLOSURE AND EJECTOR**
Gustave O. Matter, Portland, Oreg.
Application February 2, 1937, Serial No. 123,636
5 Claims. (Cl. 221—104)

1. An ejector for a container having a discharge opening, said ejector comprising a closure there-

for, means for moving the closure to and from the opening, members attached to the closure and extending into the container and movable in and out of the container in accordance with the move-



ment of the closure to and from the discharge opening, and blades in spaced relationship with one another mounted on said members, said blades serving to expel products in the container to and out of the discharge opening.

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**2,120,567**

**GOLF BALL COVER**

**James A. Merrill, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware**

**No Drawing. Application November 4, 1933, Serial No. 696,689**

**3 Claims. (Cl. 273—62)**

1. A golf ball which comprises a center and a cover molded on the center which cover is composed substantially entirely of an admixture of at least one rubber-like material and a thermoplastic rubber derivative with a Shore hardness in the eighties, which rubber derivative is obtainable by treating with water the reaction product of rubber and the halide of an amphoteric metal or chlorostannic acid, said cover being not easily cut due to the fact that the weight of the rubber derivative is equal to between 32 and 60% of the combined weight of the rubber derivative and rubber-like material present in the cover.

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**2,120,568**

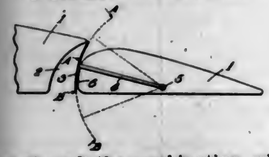
**AEROPLANE AND THE LIKE**

**Phiroze Pestonji Nasir, Byfleet, England**

**Application April 11, 1936, Serial No. 73,820**

**In Great Britain April 18, 1935**

**5 Claims. (Cl. 244—42)**



1. In an aircraft the combination, with a fixed supporting wing of invariable cross-sectional shape and camber and having a normally closed slot formed through the rear part thereof and inclined or curved upwardly and backwardly, of an auxiliary plate carried by the wing and movable to project downwardly and rearwardly therefrom to give auxiliary lift and simultaneously to open said slot, said plate also being movable to project above said wing and increase the drag thereof.

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**2,120,569**

**SKIN PROTECTANT COMPOSITION**

**Osmer F. Oliver, Akron, Ohio, assignor to The Tri Dermis Company, Akron, Ohio, a corporation of Ohio**

**No Drawing. Application November 9, 1935, Serial No. 49,115**

**7 Claims. (Cl. 167—90)**

6. A new composition of matter adapted for protecting the skin and like surfaces from grease, oil, paint and the like comprising proportionately by weight from approximately 7.4 to approximately 9 parts of hard soap, from approximately 11 to approximately 18 parts of water soluble alkali metal silicate, from approximately 1 to approximately 1.5 parts of starchy material, from approximately 6.5 to approximately 12 parts of water soluble poly hydroxy emollient, and from approximately 32 to approximately 72 parts of water.

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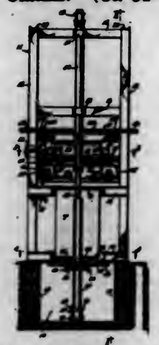
**2,120,570**

**TERRA COTTA GRINDING MACHINE**

**Frank Y. Pearne, Alhambra, and George P. Fackt, Los Angeles, Calif., assignors to Gladding-McBean & Co., a corporation of California**

**Application January 10, 1938, Serial No. 184,192**

**7 Claims. (Cl. 51—84)**



1. In a machine for grinding a terra cotta building tile or the like, the combination of: a supporting frame; a first pair of grinding rolls mounted on said frame in spaced parallel relation; a second pair of grinding rolls mounted on said frame in spaced parallel relation below said first pair of rolls and disposed at right angles to said first pair; means for rotating said first and second pair of rolls; a hydraulic cylinder mounted on each side of said frame; a piston rod for each of said cylinders, said piston rods extending from each end of each of said cylinders; a cross member connecting the lower ends of said piston rods; an elevator rod mounted on said cross member and extending upwardly therefrom for engaging the lower end of a building tile; a top cross member connecting the upper ends of said piston rods; means depending from said top cross member for engaging the upper end of a building tile; and means for introducing a pressure fluid to said cylinders to effect movement of said piston rods.

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**2,120,571**

**FLY TYING**

**Morris W. Reichenstein and Roy F. Jolley, Akron, Ohio**

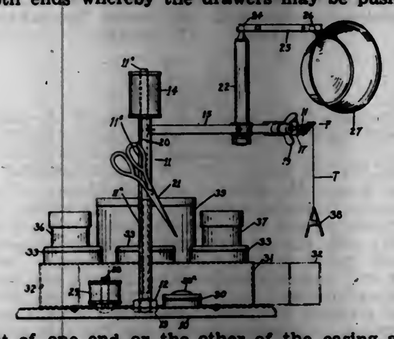
**Application April 21, 1937, Serial No. 138,213**

**2 Claims. (Cl. 312—149)**

1. Equipment for use in making artificial fish bait flies, said equipment comprising a base having a standard thereon at the front thereof, an arm extending from said standard to one side of said base, and a clamp for holding a fish-hook therein on the arm, said arm being adjustable to position the opposite sides of said base for use by right or left handed persons, containers for bait-making tools and supplies and finished flies on said base rearwardly of said standard, said



containers including a casing having therein one or more drawers, said casing extending from one side to the other of said base and being open at both ends whereby the drawers may be pushed



out of one end or the other of the casing adjacent the clamp in either position by engaging the drawers with the hand at the other end of the casing.

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**2,120,572**

**PROCESS AND PRODUCT FOR OBTAINING RAPID COAGULATION OF RUBBER**

**Manlio Mosca Riatel, Turin, Italy, assignor to Cela Holding S. A., Paris, France, a corporation of France**

**No Drawing. Application September 15, 1936, Serial No. 100,957. In France September 20, 1935**

**5 Claims. (Cl. 18—50)**

1. A process for obtaining a self coagulating and vulcanizable bath of latex which consists in dissolving in an aqueous solution of ammonia a zinc salt of a volatile weak acid, reacting a solution of sulphur dioxide with an ammonium polysulphide in the presence of an ammoniacal solution of casein and formaldehyde, adding the product of this reaction to the solution of the zinc salt in ammonia, and incorporating the preparation thus obtained into a latex bath.

3. A self coagulating and vulcanizable bath of latex containing a zinc salt of a volatile weak acid in ammoniacal aqueous solution mixed with aqueous solution of colloidal sulphur containing casein and formaldehyde.

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**2,120,573**

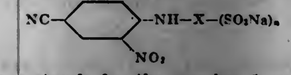
**ACID WOOL DYESTUFFS**

**Heinrich Ritter, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware**

**No Drawing. Application August 17, 1937, Serial No. 159,525. In Germany August 25, 1936**

**2 Claims. (Cl. 260—99.30)**

1. The acid wool dyestuffs of the general formula:



wherein $n$ stands for the number 1 or 2 and X stands for a member selected from the group consisting of aryl-NH-aryl and cycloalkyl-NH-aryl, aryl meaning a radicle selected from the group consisting of the benzene and naphthalene series, which dyestuffs dye animal fibers various shades of very good levelling power and excellent fastness to light.



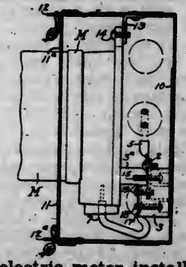
**2,120,574**

**ELECTRIC METER CONNECTION APPLIANCE**

**Joseph Sachs, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut**

**Application February 13, 1935, Serial No. 6,405**

**6 Claims. (Cl. 247—2)**



1. In an electric meter installation, the combination of an enclosing casing, an openable front cover for the casing having an opening therein of substantially the same size as the forward portion of the meter, a meter spaced forward from the rear wall of the casing and serving to substantially completely close the said opening in the cover which meter has at least the terminals thereof within the casing and behind a plane substantially through the front edges thereof, an insulating block in the casing near the rear thereof and fastened directly to the casing independently of the cover and independently of the meter, the said block being so located that a substantial portion thereof is between horizontal planes through the top and bottom of the meter, conductors on the block and within the casing having terminals adapted for electrical connection with circuit wires, the said conductors on the block being electrically connected respectively with said terminals of the meter when the meter is positioned as aforesaid, and meter holding means located at least in part behind the cover and within the casing and carried at least in part by the insulating block, the said holding means including two manually disconnectible parts within the casing and separate from the cover and the said holding means serving when the said parts are connected to provide a rigid mechanical connection between the meter and the rear part of the casing for resisting relative movement of the meter.

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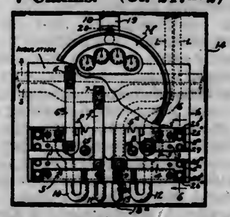
**2,120,575**

**ELECTRIC METER CONNECTION APPLIANCE**

**Joseph Sachs, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut**

**Application October 24, 1935, Serial No. 46,518**

**7 Claims. (Cl. 247—2)**



1. In an electric meter connection device, the combination of an enclosing casing, releasable

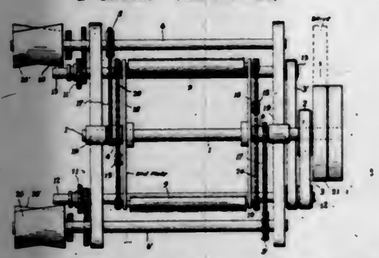
means in the casing for normally supporting a meter near the front thereof with the rear of the meter spaced forward from the rear casing wall so as to provide a wiring space between the said meter and wall, the said supporting means permitting the meter when released to move to a position wherein the said wiring space is exposed at the front, insulating means mounted on the said rear casing wall with a substantial portion thereof between horizontal planes through the top and bottom of a meter supported as aforesaid, terminals on the said insulating means adapted for electrical connection with circuit wires, conducting means mechanically connected with the insulating means and adapted to electrically connect the said circuit wire terminals with the meter terminals and to permit the meter to move as aforesaid, and a connector on the insulating means additional to the said circuit wire terminals and normally electrically connecting one of the said wire terminals with one of the conducting means, the said connector being so positioned with respect to the meter as to be accessible from the front when the meter is in normal position and the said connector being manually movable to break the electrical connection between the last said wire terminal and the corresponding conducting means.

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**2,120,576**

## MEANS FOR CONTROLLING THE WORKER OF TEASING MACHINES

**Albert C. Scholaert, Tourcoing, France**
**Application July 10, 1935, Serial No. 30,614**
**In France July 27, 1934**
**1 Claim. (Cl. 26—34)**

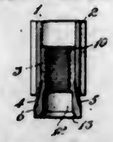


Means for driving the worker rollers of teasing machines and the like, comprising a shaft, means for rotating said shaft, end plates fixed upon said shaft and rotatable therewith, a plurality of circumferentially disposed worker rollers carried by said end plates, a central pulley loosely mounted upon said shaft and situated outside of each of said end plates, means for individually rotating said worker rollers independently of said end plates and in the opposite linear direction as said end plates, said last mentioned means comprising a pair of reversing pulleys mounted on opposite sides of said central pulley and centrally displaced therefrom and an endless transmission member passing over said central pulley, one pair of said reversing pulleys and alternate working rollers, and a second endless transmission member passing over the second central pulley, the second pair of reversing pulleys and intermediate working rollers said reversing pulleys having a diameter smaller than said central pulleys whereby the individual rotation of said worker rollers will be increased and separate means for rotating said central pulley independently of the means for rotating said shaft whereby the rotation of said end plates and said rollers may be synchronized.

**2,120,577**

## MACHINE SCREW ANCHOR

**Max L. Schulte, Ridgewood, N. J., assignor to The Rawlplug Company, Inc., New York, N. Y.**
**Application March 5, 1937, Serial No. 129,198**
**9 Claims. (Cl. 72—105)**



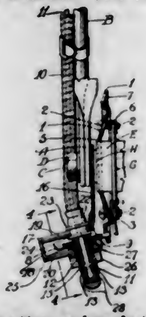
1. A machine screw anchor comprising an internally threaded expanding member having an exterior surface at one end tapering toward the other end, and an expansible member telescopically fitting over the expanding member, with one end engaging said tapered surface, and having a plurality of surface projections whose outer and greatest peripheral boundary normally corresponds to a standard drill size, the said members being positioned so that at least one end of the expanding member must go into the anchor hole in advance of the expansible member, the expanding member having its hole-entering end, adjacent said tapered surface, smaller in diameter than the maximum diameter of the expansible member, as and for the purpose defined herein.

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**2,120,578**

## SPEEDOMETER DRIVE FOR BICYCLES

**Edwin H. Schulze, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia**
**Application March 22, 1937, Serial No. 132,265**
**12 Claims. (Cl. 74—12)**



1. In combination, a bracket including an arm having an opening to fit the axle of a bicycle wheel adjacent the wheel-supporting fork for securement by the axle nut, said bracket being formed to provide a guideway trending toward and from the plane of the wheel, a bearing yoke movable in said guideway, a flexible shaft, a gear pinion on said shaft disposed in said yoke, bearing means for the shaft carried by the yoke, and means for adjustably securing said yoke in the guideway.

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**2,120,579**

## PROCESS OF VULCANIZING LATEX

**Fernand Frederic Schwartz, Paris, France, assignor to Ceia Holding S. A. Luxemburg, Luxemburg, a corporation**
**No Drawing. Application September 29, 1934, Serial No. 746,272. In France May 18, 1934**
**7 Claims. (Cl. 18—53)**

1. Process of manufacture of a vulcanizable latex bath, which consists in dissolving in ammonia a zinc salt of a weak acid, mixing the zinc-ammoniacal solution thus obtained with a protective colloid, and then with a solution of a weakly dissociated sulphur compound having vulcanizing properties, and incorporating the product thus formed into a latex bath.

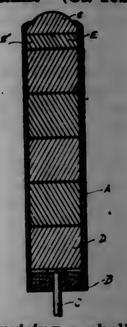


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**2,120,580**

## FUSEE

**Louie A. Sherman, Florissant, Mo., assignor to Safetee Torpedo Corporation, St. Louis, Mo., a corporation of Missouri**
**Application July 15, 1937, Serial No. 153,742**
**15 Claims. (Cl. 102—24)**



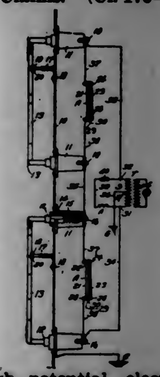
1. A fusee comprising a shell, and a plurality of preformed combustible units in superposed relation within the shell, each unit being constructed to burn approximately throughout a predetermined period of time.

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**2,120,581**

## TUBE SIGN CONSTRUCTION

**Simon Sonkin, New York, N. Y., assignor to Samuel C. Miller, New York, N. Y.**
**Application September 27, 1932, Serial No. 635,090**
**Renewed October 30, 1937**
**11 Claims. (Cl. 176—124)**



8. In a high potential, electrically operated assembly of the character described, electrical conductors for said assembly connected with a source of energizing current, contacting means in series with said assembly, mounting means for said contacting means, said mounting means being thermally responsive, to progressively modify the resistance adjacent the points of contact inversely proportionally to the temperature generated to and including open and closed positions of said points.

**2,120,582**

## TUBE SIGN CONSTRUCTION

**Simon Sonkin, New York, N. Y., assignor to Samuel C. Miller, New York, N. Y.**
**Original application September 27, 1932, Serial No. 635,090. Divided and this application January 22, 1935, Serial No. 2,883**
**17 Claims. (Cl. 200—118)**



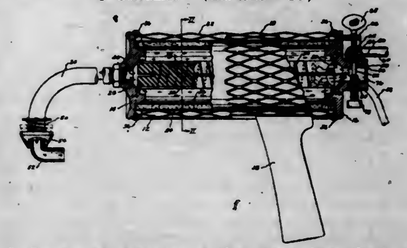
1. For use with a high potential, electrically operated assembly, a thermally-responsive switch including electrode points normally spaced from each other forming a gap of greater resistance than required for normal operation, such points being mounted upon a member, responsive to current flowing across said gap to urge said electrode points towards each other, said member being free to reassume the initial position upon discontinuance of said current.

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**2,120,583**

## AIR HEATER

**Paul J. Timberlake, Jackson, Mich.**
**Application October 16, 1936, Serial No. 105,917**
**6 Claims. (Cl. 219—39)**



1. In an air heater of the class described, an elongated air chamber through which air to be heated is directed, walls at opposite ends of said chamber having recesses defined therein, air inlet and discharge passages defined in said walls and opening into said recesses; a carrier supported at opposite ends of said recesses and in said chamber having ridges defined on the surface thereof, said carrier and recess being so shaped as to direct the air flow along the outer side of said carrier and an electrical heating element imposed over and bridging said ridges so as to space the major portion of said element from the surface of said carrier and to dispose the same into the air stream through said chamber.

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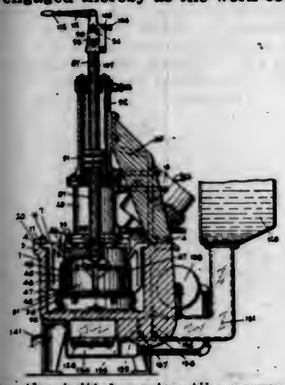
**2,120,584**

## TEMPERING MACHINE

**Bertis H. Urschel, Bowling Green, Ohio, assignor to The Urschel Engineering Company, Bowling Green, Ohio, a corporation of Ohio**
**Application February 28, 1936, Serial No. 66,313**
**17 Claims. (Cl. 266—6)**

1. In a tempering machine, a receptacle, means for flooding and withdrawing a cooling fluid from the receptacle, a plurality of movable members located in the receptacle, means for forcing the members radially against the work to expand the work while the work is hot, and means for limiting the extent of return movement of the

members to limit the contraction of the parts of the work engaged thereby as the work cools sub-

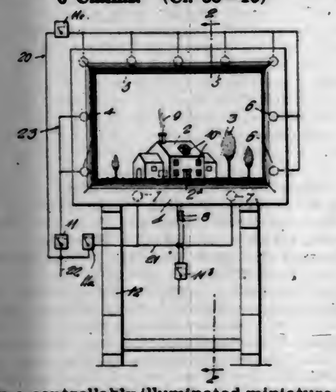


sequent to the initial contractile movements of the parts.

2,120,585
**MOLDABLE COMPOSITIONS**
**Johnstone E. Weelands, Verona, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware**
No Drawing. Application January 16, 1937, Serial No. 120,834
6 Claims. (Cl. 106—22)

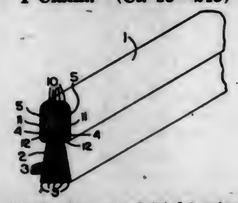
5. Plastic product moldable under the combined action of heat and pressure without the presence of filler comprising as components a phenol resin of the fusible type having a melting point of 70° C. or higher and included therewith a hardening agent in amount to form a heat-reactive resin together with water and a plastifying agent selected from the group consisting of ethylene and diethylene glycols and ethers and esters thereof, said product having a physical appearance caused by mechanically working on hot rolls of a crepe rubber character and characterized by insolubility in alcohol and acetone ranging from 30 to 60 per cent.

2,120,586
**COMPOSITE MINIATURE PHOTOGRAPHIC APPARATUS**
**Vincent I. Whitman, New York, N. Y.**
Application November 5, 1935, Serial No. 48,408
6 Claims. (Cl. 88—16)



1. In a controllably illuminated miniature stage setting for use as foreground in composite motion picture photography, a frame comprising a support, said frame being open at front and back, a miniature three-dimensional stage setting comprising a miniature three-dimensional structure positioned on said support within said frame and occupying a relatively large part of the field of view enclosed by said frame, the space enclosed by said frame not occupied by said miniature setting being unobstructed and presenting a clear view through said frame, a plurality of controllable sources of light respectively positioned on the sides of said frame for delivering light on said miniature stage setting, and individual means for selectively controlling the intensity of the illumination delivered from each of said sources.

2,120,587
**WINDSHIELD WIPER BLADE**
**Louis Zaiger, Lynn, Mass.**
Application October 21, 1936, Serial No. 106,739
1 Claim. (Cl. 15—245)



A wiper blade for windshield wipers comprising a holder of sheet metal having a U shape in cross section and having a narrow marginal portion of each side folded back against the inner face of the holder thereby forming at each edge of the holder, a narrow inside rib having an inwardly facing shoulder with a sharp corner and a plural-ply wiping element retained by said holder, one edge of said wiping element being received within the holder and the other edge projecting beyond the holder, the intermediate portion of the wiping element being compressed between the ribs and the portion within the holder being expanded over the sharp corners of the ribs, thereby locking the wiping element in the holder.

2,120,588
**PRINTING INK**
**Joseph G. Curado, Jackson Heights, Long Island, N. Y., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware**
No Drawing. Application May 16, 1936, Serial No. 80,168
3 Claims. (Cl. 134—35)

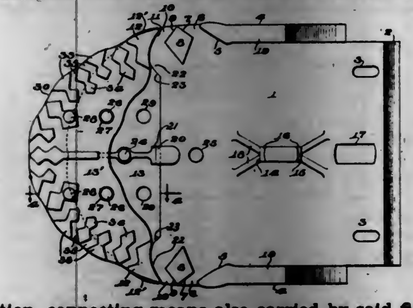
1. In the manufacture of printing inks from pulp pigments, the steps of treating water wet filter press cake pulp containing in the neighborhood of 70–85% water, with a wetting agent, whereby the pigment particles are substantially completely dispersed in the water of the pulp, and whereby each individual particle is surrounded by a film of water, and thereafter stably emulsifying the water coated pigment in an oily ink vehicle without separation of the water.

2,120,589
**TUYÈRE PLATE**
**Humphrey A. Ellis, Philadelphia, Pa.**
Application May 16, 1934, Serial No. 725,950
9 Claims. (Cl. 110—44)

1. A plurality of tuyère plate units, each unit comprising a base section, a detachable nose section normally adjacent thereto, a second nose

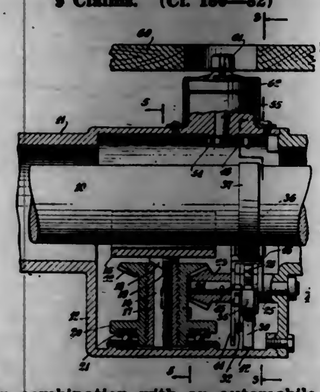


section adjacent to and engaging said first nose section, connecting means extending between said first nose section and the base section of an adjacent unit and across said second nose sec-



tion, connecting means also carried by said first nose section and engaging said second nose section, and connecting means carried by said second nose section and engageable with a nose section of an adjacent unit.

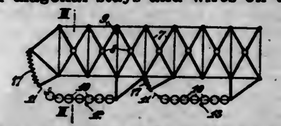
2,120,590
**AUTOMOBILE LOCK**
**William B. Grubb, Sr., Ventnor, N. J., assignor of one-half to Winthrop White, Brooklyn, N. Y.**
Application October 14, 1936, Serial No. 105,491
9 Claims. (Cl. 180—82)



1. In combination with an automobile or the like having a drive shaft, a brake shoe engaging said drive shaft, setting means to set the brake shoe against said drive shaft for stopping rotation thereof, means to selectively shift said setting means into setting position or releasing position, means associated with said drive shaft for causing said setting means to set the brake shoe for stopping rotation of the drive shaft when said setting means is in setting position and means associated with said drive shaft for causing said setting means to release the brake when in releasing position.

2,120,591
**WATERCRAFT**
**Alexander Herman, Berlin, Germany**
Application June 3, 1936, Serial No. 83,314
In Germany June 4, 1935
3 Claims. (Cl. 114—0.5)

1. A water craft for high speeds driven by propellers, comprising in combination a hull, short supporting planes on said hull, a frame supporting said hull said frame consisting of pressure-resisting lattice work formed by interconnected diagonal stays and wires on the ends



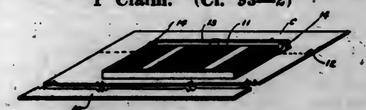
of said stays bracing said stays, ropes carried by said frame and yieldable relatively thereto, and floats rotatably mounted on said ropes and capable of limited movement in all directions at a distance from said frame.

2,120,592
**CONTAINER**
**William F. Leonhart, St. Louis, Mo., assignor to Owens-Illinois Can Company, a corporation of Delaware**
Application March 24, 1937, Serial No. 132,693
10 Claims. (Cl. 221—27)



1. In combination with a metallic container having a cover, an inverted cup-like projection formed on said cover, a removable seal formed in the outer wall of said projection and defined by a weakened area, and a pouring spout mounted within the projection and adapted to be exposed upon removal of the seal.

2,120,593
**METHOD OF WRAPPING VENETIAN BLINDS**
**Francis B. Reynolds, Bronxville, N. Y., assignor to Columbia Mills, Inc., New York, N. Y., a corporation of New York**
Application December 9, 1936, Serial No. 114,937
1 Claim. (Cl. 93—2)

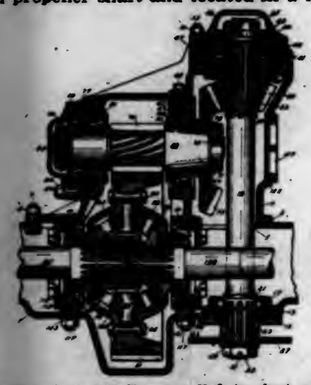


The method of wrapping Venetian blinds having a head portion for mounting and a collapsed blind portion, which consists in providing a strip of flexible material of predetermined size, providing an easily detachable section severable on a predetermined line and at a point spaced from the end of the strip, placing the blind in position on the strip and arranging the wrapper so that the detachable section forms an easily removable covering for the head piece to permit handling and mounting of the wrapped portion of the blind as a rigid, single, covered unit during the mounting thereof.

2,120,594
**AUTOMOTIVE DRIVING ASSEMBLY**
**Herbert W. Alden, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio**
Application August 12, 1935, Serial No. 35,861
7 Claims. (Cl. 180—22)

2. A double reduction axle driving mechanism comprising driving axles, a propeller shaft and

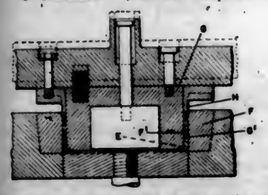
double reduction gearing including a first reduction assembly and a second reduction assembly connecting said propeller shaft to said axles, said first reduction assembly comprising cooperating bevel gears of the "Hypoid" type with the axis of the first gear thereof in alignment with the axis of said propeller shaft and located in a horizon-



tal plane substantially parallel to, but considerably below, a plane passing through the axes of said axles and the axes of the gears of said second reduction assembly, said propeller shaft terminating at a point immediately adjacent to a vertical plane passing through said axle, and means to drive said propeller shaft comprising a driving connection connected to said shaft.

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**2,120,595**
**METHOD OF FORMING BRAKE DRUMS OR LIKE STRUCTURES**
**Charles S. Ash, Milford, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware**
**Application December 17, 1934, Serial No. 757,959**
**6 Claims. (Cl. 29—152.2)**

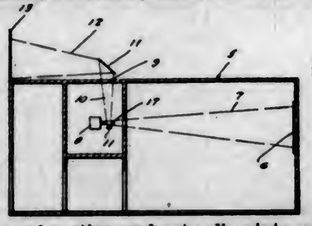


1. A method of forming brake drums or like structures comprising the cutting of a blank from sheet metal of uniform gauge, bowling said blank to form the web portion and flange portion of the drum and applying endwise upsetting pressure to the flange portion to reduce the length and uniformly increase the thickness throughout its length.

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**2,120,596**
**TELESCREEN**
**Albert Franklin Avey, Vienna, Ga.**
**Application April 28, 1936, Serial No. 76,871**
**3 Claims. (Cl. 88—24)**

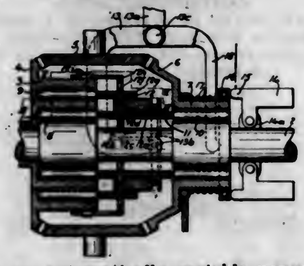
1. In combination, a projector including projecting lens structure, a duplex bracket mounted on said projector adjacent said lens structure, said duplex bracket comprising a first portion extending approximately parallel to a projection light beam issuing from said lens structure, and a second portion extending at an acute angle to said first portion and partly across the axis of said light beam, a relatively small mirror mounted on



said second portion and extending into said light beam, a relatively large mirror mounted on said first portion in receiving relation to the light rays reflected from said relatively small mirror.

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**2,120,597**
**AUTOMATICALLY VARIABLE POWER TRANSMISSION APPARATUS**
**David Werner Berlin, Rasunda, Sweden**
**Application December 21, 1936, Serial No. 117,087**
**In Sweden December 22, 1934**
**4 Claims. (Cl. 74—260)**



1. In an automatically variable power transmission device, a driving sleeve freely rotatable on a shaft to be driven, a group of rollers arranged for circumferential movement between said sleeve and said shaft adapted to be moved to one position to cause direct coupling of said sleeve with said shaft, a checking sleeve arranged adjacent said driving sleeve, a second group of rollers interposed between said sleeves and adapted to be circumferentially moved to one position to couple said sleeves, means including gears connecting said second sleeve to said shaft to provide a geared coupling between said driving sleeve and said shaft, a roller holder for moving said first group of rollers, a second roller holder for moving said second group of rollers, means associated with said holders for causing simultaneous movement of one group of rollers to an engaged position and the other group to an idle position, and rotatable means operatively responsive to the rotation thereof and the resulting centrifugal force acting thereon for moving the holder of the idle rollers to a free position.

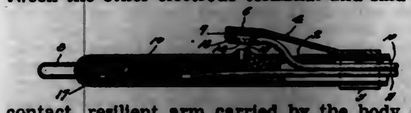
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**2,120,598**
**ELECTRICAL CUTTING INSTRUMENT**
**George H. Besoy, Cedar Vale, Kans.**
**Application March 6, 1937, Serial No. 129,495**
**4 Claims. (Cl. 219—31)**

1. In an electrical instrument of the character described, an elongated hollow body, a two-terminal electrode carried at one end thereof, an electric current conductor connected with one of



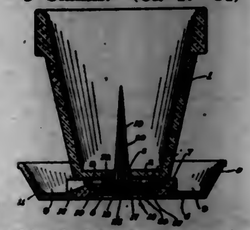
said terminals and passing through the body, switch means having two contacts, one of which contacts is separate from and exposed on the outside of the body, an electrical connection between the other electrode terminal and said one



contact, resilient arm carried by the body and carrying the other contact in insulated relation therewith and normally maintaining the same in spaced relation with the first mentioned contact, and current conducting means passing through the body to the said other contact.

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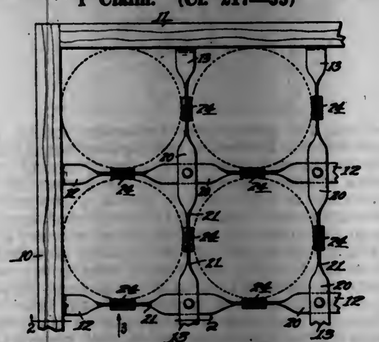
**2,120,599**
**COMBINED DRAINAGE SUPPORT AND HOLDER FOR FLOWERPOTS**
**Henry W. Brown, Providence, R. I.**
**Application July 3, 1937, Serial No. 151,809**
**5 Claims. (Cl. 47—34)**



1. A combined drainage support and holder for flower pots comprising a shallow tray having a peripheral rim and comprising a raised portion for supporting a flower pot in inwardly spaced relation with said rim, and a spindle member carried by said tray and projecting upwardly substantially centrally thereof for insertion within the drainage opening of a flower pot to hold the flower pot against tilting movement relative to the tray and provide drainage means for draining moisture from a portion of the soil within the flower pot.

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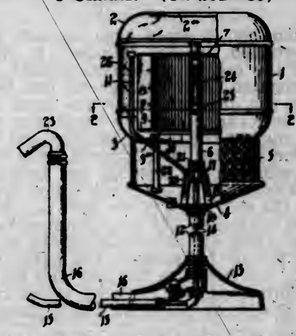
**2,120,600**
**BOTTLE CRATE**
**Philip N. Curtis, Worcester, Mass., assignor to Baker Box Company, Worcester, Mass., a corporation of Massachusetts**
**Application July 23, 1936, Serial No. 92,171**
**1 Claim. (Cl. 217—35)**



In a bottle crate comprising an enclosing casing and intersecting separator bars mounted therein and defining bottle positions in said casing, that improvement which consists in providing each of said separator bars with longitudinally spaced flat vertical portions of single thickness and having horizontal openings therethrough, and in providing soft rubber cushioning elements mounted on said bars in said openings, each cushioning element being substantially H-shaped in cross section, and being mounted in one of said openings with its reduced middle portion in said opening, and with its larger end portions disposed at the ends of the opening and so proportioned in size as to permit ready insertion of the element in the opening, said element projecting beyond and overlying the adjacent vertical faces of the associated separator bar and engaging and cushioning a bottle positioned adjacent thereto by said bars.

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**2,120,601**
**AIR CONDITIONING APPARATUS**
**Rudolf D. Delamere, Toronto, Ontario, Canada, assignor to Delamere & Williams Limited**
**Application July 2, 1936, Serial No. 88,617**
**5 Claims. (Cl. 261—89)**



1. In apparatus of the character described, the combination of a casing open at its upper and lower ends; a spreader in said casing mounted for rotary movement on a vertical axis, said spreader comprising a frame having a series of blades arranged in an annular vertical series; means above said blades to direct upwardly travelling air or gas between the blades; an annular liquid collecting channel at the lower end of said casing; and means for discharging liquid against said blades as the spreader revolves; the inner edge of said channel being positioned to direct air or gas entering the casing into the space within the annular series of blades.

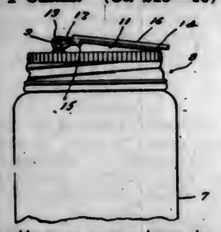
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**2,120,602**
**PROCESS OF MAKING TITANIUM AND OTHER COMPOUNDS**
**Kenneth Hume Donaldson, Cleveland, Ohio**
**No Drawing. Application August 30, 1935, Serial No. 38,534**
**11 Claims. (Cl. 23—16)**

8. In a process for treating oxides of iron and a member of the group consisting of titanium and zirconium, subjecting the oxides to the action of a sufficient quantity of carbonaceous reducing agent at a temperature below 1000° C. but sufficiently high to reduce to metal substantially all iron compounds in said material, said quantity of carbonaceous reducing agent being sufficient to reduce to metal at least 96 per cent of the iron content but insufficient to effect re-

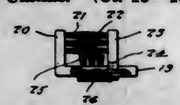
duction of more than a negligible part of the oxide of the member of said group consisting of titanium and zirconium, then selectively forming ferric chloride from the metallic iron and volatilising the ferric chloride thus formed by subjecting the reduced material to the action of chloridizing gas at a temperature above 350° C. and below 1000° C.

2,120,603
**JAR CAP HANDLE**
Bruno V. Brescci, Monessen, Pa.
Application March 31, 1937, Serial No. 134,150
1 Claim. (Cl. 215—46)



In combination, a screw type jar cap, an inverted U-shaped bracket attached to the top portion of the cap at an eccentric point, a flat bar of elongated form having one end bent to provide an eye, through which the bight of the bracket passes, an outwardly extending ear at each side edge of the bar at the free end thereof, a second flat bar of elongated form and of the same width as the first bar and having ears at the side edges of its inner end which are bent to engage the side edges of the first bar, slidably connecting the second bar with the first bar, the second bar when slid outwardly on the first bar forming a handle for rotating the parts, to impart rotary movement to the cap, and said bars when in contracted position lying within the diameter of the jar on which the cap is placed.

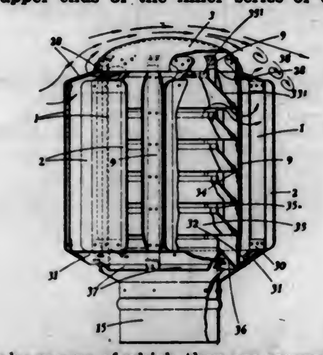
2,120,604
**TOOTH BRUSH**
Charles William Fain, Daytona Beach, Fla.
Application September 29, 1936, Serial No. 103,195
2 Claims. (Cl. 15—167)



1. A toothbrush comprising a substantially T-shaped member including a handle and a cross-head at one end of the handle, one end of said cross-head being bent laterally, a loop slidable on the opposite end of said cross-head and including an upstanding slide, the inner side of said slide being provided with bristles, additional bristles carried by the inner side of said laterally bent end of the cross-head, and spring means connected with said slide in the manner and for the purposes described.

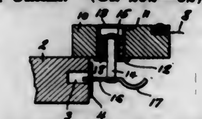
2,120,605
**CHIMNEY AND/OR VENTILATING COWL**
Ernest Leonard Ford and Thomas Frederick William Brown, Darlington, England
Application April 22, 1936, Serial No. 75,876
In Great Britain April 23, 1935
5 Claims. (Cl. 98—66)

4. A cowl adapted to be secured to a roof structure comprising in combination a plurality of equally spaced vertically disposed deflector slats, each of which is formed with a flat central portion and with angularly disposed outwardly directed vertical edges, said slats being arranged in two concentrically disposed series, the slats of the inner series being arranged directly opposite the spaces between the slats of the outer series, a dome-shaped element comprising two annular dome-shaped plates disposed one above the other, a covering dome-plate and a plurality of straps by means of which said plates are spaced apart and secured together, means for securing the upper ends of the outer series of deflector slats to said dome-shaped element, extensions formed on the upper ends of the inner series of deflector



slats by means of which they are secured to said dome-shaped element, a base member comprising an inverted cone-shaped member to which the lower ends of the inner and outer series of deflector slats are secured, a cylindrical member to which the lower end of the inverted cone-shaped member is secured, a plurality of cone-shaped elements arranged within and secured to the inner series of deflector slats for preventing the entry of rain into the interior of the cowl, a further cone-shaped member secured to the base member and a plurality of apertures provided in the inverted cone-shaped member through which water collected in the base member may pass to the outside.

2,120,606
**FASTENER**
Treffle E. Fournier, Fitchburg, Mass.
Application September 15, 1936, Serial No. 100,933
1 Claim. (Cl. 292—62)

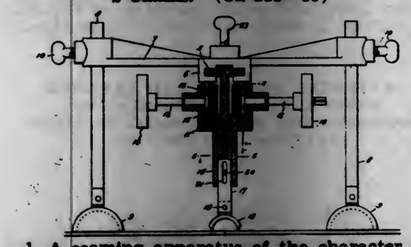


Means for detachably fastening screen and storm window frames in overlapping engagement with an exterior frame of a window casing comprising keeper means carried by a part of the inner edge of said exterior frame, a cup carried by the screen or storm window frame and opening out on the inner face of said frame, a cover plate closing the open end of the cup and attached to the inner face of said frame, said cover plate having an opening therein, a rod passing through the opening, a washer connected to the inner end of the rod and slidably arranged in the cup, a spring encircling the rod and located between the washer and the cover plate, a latch plate connected with the outer end of the rod and having



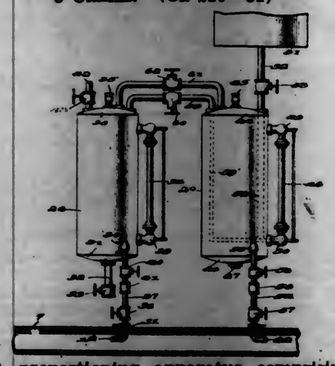
a rounded end for engaging the keeper means, the opposite end being reduced in width and bowed to form a finger piece.

2,120,607
**SEAMING DEVICE**
Herman Erxleben, Albany, N. Y.
Application September 23, 1937, Serial No. 165,412
2 Claims. (Cl. 113—59)



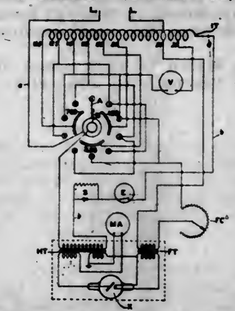
1. A seaming apparatus of the character described comprising an elongated guide member, a carriage carried by the guide member, a form iron carried by the carriage, feed means between the carriage and the elongated guide member, and removable supporting means for the said elongated guide member, said supporting means consisting of a pair of adjustable blocks on the elongated guide member, arms extending laterally from the blocks, posts extending through the ends of the arms, detent means at the ends of the arms for engagement with the posts, and suction cups at the work engaging ends of the posts.

2,120,608
**PROPORTIONING APPARATUS**
David W. Haering, Chicago, Ill.
Application February 24, 1937, Serial No. 127,534
6 Claims. (Cl. 210—31)



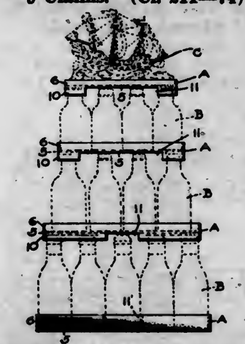
1. A proportioning apparatus comprising in combination with a fluid through-put conduit, a closed receptacle, an inlet pipe between the bottom portion of said receptacle and the conduit, a second receptacle having a capacity in excess of the capacity of the first receptacle, means for supplying a treating fluid to the second receptacle, a pipe between the upper ends of said receptacles and communicating at the top of each, a valve in said pipe for regulating by predetermined adjustment the rate of passage of fluid therethrough between said receptacles, a treating fluid outlet pipe between the bottom of said second receptacle and the conduit, and a body of liquid in the receptacles between the through-put fluid and the treating fluid, said body of liquid being chemically inert and immiscible relative to the through-put fluid and the treating fluid.

2,120,609
**X-RAY CONTROL MEANS**
Caperton B. Horsley, Gates Mills, and Edwin R. Goldfield, University Heights, Ohio, assignors to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 11, 1937, Serial No. 130,296
2 Claims. (Cl. 250—34)



1. Means for controlling the high tension circuit of an X-ray tube from its supply line and comprising a transformer, primary switch means arranged to vary the relation of said line to said transformer, secondary switch means arranged to vary the relation of said transformer to said tube, an operator-operated control member, each of said switch means including a part connected to said control member for movement responsive thereto, and said switch means including contactors so arranged that for each relation established by one switch means a series of relations may be selected for the other switch means.

2,120,610
**COUNTER DISPLAY STAND**
Eugene Harry Howard, Washington, D. C.
Application July 3, 1936, Serial No. 88,883
9 Claims. (Cl. 211—74)



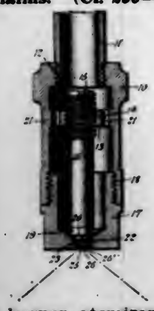
1. A counter display stand comprising three or more tray-like sections adapted to be arranged in vertical spaced relationship and each being of a size and shape to receive and support a plurality of rows of articles interposed between said

sections, article retaining means extending around the sides of at least one of said sections for engagement with the tops and bottoms of superposed rows of articles and cooperating with certain of said rows of articles to vertically space said sections with respect to other of said rows of similar articles, and said retaining means being interrupted at one side only of certain of said sections for a distance not less than the width of articles to be removed therethrough without disturbing the supporting relationship of said sections.

### 2,120,611
### NOZZLE

Henry Huss, Wilmington, Del., assignor, by mesne assignments, to May Oil Burner Corporation, Baltimore, Md., a corporation of Maryland

Application March 15, 1932, Serial No. 599,022
8 Claims. (Cl. 299—120)

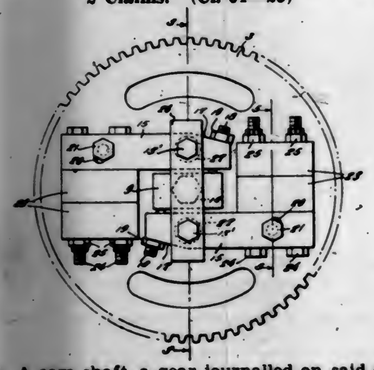


2. In an oil burner atomizer, means for effecting permanency in quality and quantity of delivery of oil from the atomizer when oil is delivered to the atomizer at high pressure, said means comprising a distributor, a whirling chamber and a head, said head having therein a setting of a substance of the group comprising sapphire, ruby, corundum and diamond with a spray-ejection orifice through said setting, and said atomizer having a whirl-producing duct for admitting oil into the whirling chamber.

### 2,120,612
### CAMSHAFT GOVERNOR

Walter R. Isakson, Hobart, Ind.

Application April 3, 1936, Serial No. 72,653
2 Claims. (Cl. 64—25)

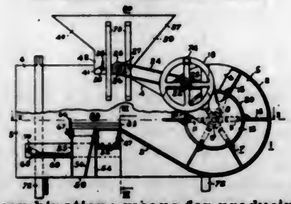


1. A cam shaft, a gear journalled on said cam shaft, an elongated head fixed on the cam shaft, pivots projecting from the gear on opposite sides of said head, levers journalled, at an intermediate point, on said pivots, a brace connecting the outer end portions of said pivots, contact screws adjustably mounted in one end portion of the levers and engaged with opposite sides of the head on opposite sides of the axis of said head, weights mounted on the other end portions of the levers for actuating said levers by centrifugal force and for advancing the cam shaft angularly relative to the gears, and means mounted on the gear for limiting the swinging movement of said levers.

### 2,120,613
### MATERIAL GRADER AND CLEANER

Arthur L. Johnson, Milwaukee, Wis.

Application July 20, 1932, Serial No. 623,498
14 Claims. (Cl. 209—135)

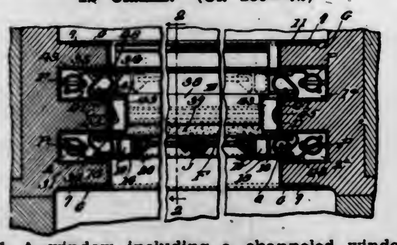


2. In combination: means for producing a curtain of falling grains; means for blowing air transversely across said curtain comprising an air blower having a casing, a centrifugal fan in said casing, an inlet opening in said casing surrounding the axis of said fan, means displaced from the axial center of said fan for retarding the axial inward flow of air through said opening along said axis; and means for receiving a predetermined portion of said falling grains.

### 2,120,614
### METAL DOUBLE HUNG WINDOW

Karl F. Jorss, Washington, D. C.

Application December 6, 1935, Serial No. 53,237
12 Claims. (Cl. 189—72)



1. A window including a channeled window frame and a sash reciprocal therein, a sash balancing device positioned beyond each end of the window sash and in the frame channel, and means extending from the sash balancing device outwardly from the frame channel and having connection with the face of said sash adjacent its lower end and at a point exterior of the frame channel.

### 2,120,615
### WELL GUN
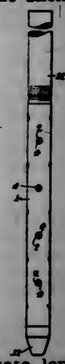
Fritz King, Sour Lake, Tex.

Application March 4, 1937, Serial No. 129,037
7 Claims. (Cl. 164—0.5)

1. A gun of the class described including a barrel having opposed sockets in the wall thereof, means in each socket for holding an explosive



shell, a firing pin normally projecting into the bore of the barrel and positioned for engagement with the cap of the shell, and a firing element



mounted to gravitate longitudinally within the barrel for engaging the pins to shift them and explode the caps of the shells.

### 2,120,616
### LUBRICATING FLUID

William G. Klitzke, Portland, Oreg.

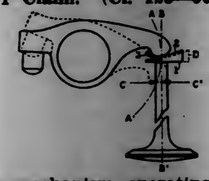
No Drawing. Application March 30, 1937, Serial No. 133,907
2 Claims. (Cl. 87—9)

1. A lubricating fluid for the purpose described, comprising an emulsion consisting of a mixture of a fully formed soap, water in which the soap is dissolved, kerosene oil, and citronella oil and which is characterized by the fact that it remains thin and free-flowing under all conditions and does not gum.

### 2,120,617
### VALVE ADJUSTING DEVICE

Rodney W. Manning, Riverside, R. I.

Application March 18, 1936, Serial No. 69,597
1 Claim. (Cl. 123—90)



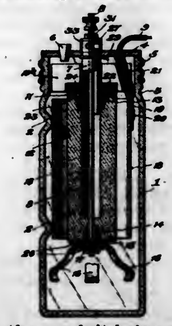
In a valve mechanism, operating means comprising a rocker arm and valve stem, adjusting means mounted for shuttle movement between said rocker arm and valve stem, comprising a wedge-shaped unit having a flat base portion to oppose the valve stem, and a sloping ramp engaging the rocker arm, and spring means integral with said unit acting between said rocker arm and valve stem to advance said unit against said rocker arm and valve stem.

### 2,120,618
### AIR-DEPOLARIZED PRIMARY CELL

Martin L. Martus, Woodbury, and Edmund H. Becker, Waterbury, Conn.

Application March 21, 1932, Serial No. 600,274
6 Claims. (Cl. 136—136)

1. In an air depolarized primary cell employing an alkaline electrolyte, an activated carbon electrode immersed in said electrolyte, provided with a central air chamber beneath the level of but out of communication with said electrolyte and with a single conduit of small cross section connecting said air chamber with atmospheric air, and sealing means between said conduit and said electrode preventing access of electrolyte to said

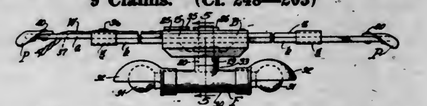


air chamber, the conduit being so arranged as to preclude circulation of air, so that depolarization takes place solely by diffusion of oxygen, and evaporation of the electrolyte and contamination thereof with $CO_2$ are minimized.

### 2,120,619
### FIXTURE SUPPORT

Charles C. Matthiesen, Clinton, Iowa

Application February 27, 1937, Serial No. 128,209
9 Claims. (Cl. 248—205)

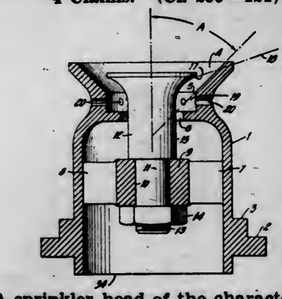


1. For use within an automobile body, a fixture support comprising a pair of normally straight overlapping resilient struts, and means connecting the struts for relative sliding movement adapted when the struts are bowed endwise to engage with increasing friction therewith whereby to enhance resistance to further sliding movement, the remote ends of the support being fashioned to engage with opposite sides of the automobile body whereby to maintain the support under compression endwise in a bowed position adjacent the under side of the roof thereof.

### 2,120,620
### SPRINKLER HEAD

John N. Mowery, Worcester, Mass.

Application March 27, 1936, Serial No. 71,096
4 Claims. (Cl. 299—121)



1. A sprinkler head of the character described comprising a hollow element having a discharge opening at one end thereof defined by an out-

wardly flaring wall, a dispersing element centrally positioned in said discharge opening and having a curved outer surface adapted to effect a smooth change in the direction of flow of water passing through said hollow element and to deflect said water against said outwardly flaring wall, and means within said hollow element and cooperating with said dispersing element to form an annular orifice about said dispersing element of less diameter than the interior diameter of said hollow element in the zone between said orifice and said discharge opening, said hollow element being provided with openings for the admission of air to said zone.

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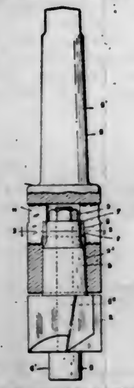
**2,120,621**
**CHASER ASSEMBLY**
**Frederic Nell, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania**
**Original application February 5, 1935, Serial No. 5,129. Divided and this application May 28, 1935, Serial No. 23,901.**
**12 Claims. (Cl. 10—103)**



1. A chaser assembly comprising a circular chaser, a movable supporting member therefor, a bushing carried by said member, means for locking said chaser and bushing together, a pivoted finger in the supporting member engaging said bushing for turning the bushing to adjust the cutting edges of the chaser, and means cooperating with the finger and said supporting member for adjusting and holding the bushing and chaser by said finger selectively in adjusted positions.

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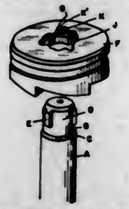
**2,120,622**
**BORING TOOL**
**Carl J. Oxford, Detroit, and John Nelson, Berkley, Mich., assignors to National Twist Drill & Tool Company, Detroit, Mich., a corporation of Michigan**
**Application September 14, 1936, Serial No. 100,774**
**2 Claims. (Cl. 279—9)**



1. A boring tool provided with a tapering shank and having comparatively shallow spaced recesses on the sides of the end portion of said shank leaving a splined portion therebetween the ends of which merge into the recessed portion, a central core of but slightly less cross sectional area than the unrecessed shank for carrying torque stresses from said splines; in combination with a socket member having a portion with a tapering bore for engaging the tapering portion of said shank and a portion with a bore of smaller diameter for receiving said central core, said socket also having a transversely extending slot intersecting both bores of a width corresponding to the width of said spline adapted to receive the same and form driving shoulders therefor.

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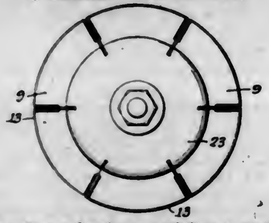
**2,120,623**
**ROTARY TOOL**
**Carl J. Oxford, Detroit, and John Nelson, Berkley, Mich., assignors to National Twist Drill & Tool Company, Detroit, Mich., a corporation of Michigan**
**Application September 21, 1936, Serial No. 101,858**
**4 Claims. (Cl. 279—1)**



1. A rotary tool having an axial bore and counterbore forming co-axial cylindrical walls of different diameters extending respectively to the opposite ends of the tool and with an annular shoulder therebetween, the portion of smaller diameter having a spline way extending longitudinally therethrough and the outer end of said portion being recessed to intersect with said spline way and to form a substantially radial shoulder in predetermined relation thereto; in combination with a driving shank for fitting said large diameter portion, said shank being cut away at its end to form a segmental cylindrical portion for fitting said small diameter portion leaving a spline for fitting said spline way and with a shoulder for engaging said annular shoulder, said spline being cut away to leave a space between the same and said shoulder corresponding in length to the space between said annular shoulder and recess, whereby after insertion in said tool said shank may be rotated to engage said spline with said substantially radial shoulder.

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**2,120,624**
**SANDING WHEEL HEAD**
**Arthur L. Pearson, High Point, N. C.**
**Application April 7, 1937, Serial No. 135,561**
**6 Claims. (Cl. 51—194)**

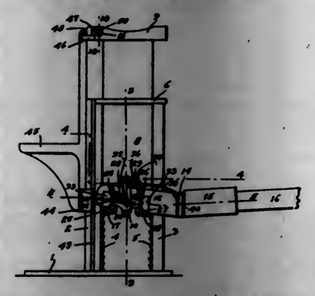



1. A sanding wheel comprising a main section, removable resilient rim sections mounted on the main section rigid horizontally disposed, pins mounted within the main section, a length of sand cloth positioned over the pins and extending between the adjacent ends of the rim sections, and means for securing the ends of the sand cloth.



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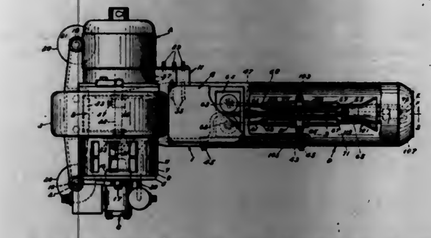
**2,120,625**
**LIFTING JACK**
**Charles Elija Peckenpaugh, Aylsham, Saskatchewan, Canada**
**Application May 21, 1937, Serial No. 144,045**
**9 Claims. (Cl. 254—110)**



1. In a lift jack, a pair of upstanding, spaced rack standards and an elevator member slidably mounted therebetween, a pair of rack dogs tensionally held in engagement with said rack standards, an operable control bar pivoted to the elevator member and to each of said rack dogs, spring means controlling said rack dogs and releasably connected to said control bar for selectively withdrawing said dogs from their engaged position on said rack standards in the movement of said control bar.

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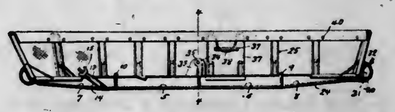
**2,120,626**
**APPARATUS FOR BURNING LIQUID FUELS**
**Milton A. Powers and John A. Wilson, Detroit, Mich., assignors, by mesne assignments, to The Timken-Detroit Axle Company, a corporation of Ohio**
**Application September 28, 1934, Serial No. 745,978**
**5 Claims. (Cl. 158—76)**



1. In a liquid fuel burning apparatus, a conduit; means for causing a stream of air to traverse said conduit; air swirling means adjacent the discharge end of said conduit for imparting a swirling motion to said stream of air as it leaves said conduit; said air swirling means comprising a plurality of blades extending from the inner wall of said conduit inwardly toward, but terminating considerably short of the center of said conduit, to provide a comparatively large substantially unobstructed central opening adjacent the discharge end of said conduit; and an air deflecting member centrally located with respect to the longitudinal axis of said conduit and disposed adjacent said air swirling means for deflecting substantially the entire stream of air through said air swirling blades and means, located adjacent the discharge end of said conduit, for projecting a substantially cone-shaped stream of atomized liquid fuel into the air stream issuing from said air swirling blades.

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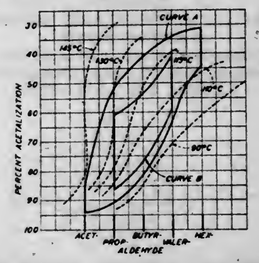
**2,120,627**
**COLLAPSIBLE BOAT**
**Guy Nelson Raymer, Beatrice, Calif., assignor of one-half to John A. Mouat, Loleta, Calif.**
**Application December 4, 1936, Serial No. 114,239**
**3 Claims. (Cl. 9—2)**



1. A boat of the character described comprising a plurality of hollow bottom sections, said sections being hingedly connected together to form an elongated structure, vertically swingable brace members on these sections, and a flexible covering adapted to be disposed under the said sections and upwardly and over the upper edges of the brace members.

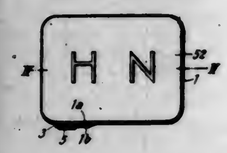
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**2,120,628**
**LAMINATED GLASS**
**Ernest W. Reid, Brussels, Belgium, assignor to Union Carbide and Carbon Corporation, a corporation of New York**
**Application March 25, 1937, Serial No. 132,953**
**In Australia March 27, 1936**
**9 Claims. (Cl. 49—81)**




1. An article of manufacture comprising at least one layer of glass and a plastic layer adhering to said glass by its own adhesive properties, said plastic layer being essentially composed of a polyvinyl acetal resin which is acetalized with one of the group consisting of acetaldehyde, propionaldehyde, butyraldehyde, valeraldehyde and hexaldehyde within the ranges consisting of about 85% to about 94%, about 52% to about 92%, about 42% to about 82%, about 33% to about 62%, and about 31% to about 45%, respectively, said resin being derived from a polyvinyl ester of average macromolecular weight in excess of 7,000, said resin containing such proportion of free hydroxyl groups and such acetal groups and being sufficiently free of other groups that said resin has the capacity to absorb substantial quantities of water-insoluble ester plasticizers while being virtually insoluble in said plasticizers at ordinary temperatures.

2,120,629
**AIR AND MOISTURE PROOF RIP SEAL FOR PACKAGES**
Heinrich Schünemann, Berlin-Spandau, Germany, assignor to Hans Neuerburg, G. m. b. H., Cologne-on-the-Rhine, Germany
Original application January 9, 1936, Serial No. 58,964. Divided and this application February 23, 1937, Serial No. 127,303. In Germany April 20, 1935
2 Claims. (Cl. 229—51)




1. In a package such as a cigarette box, an air and moisture-proof sealing strip having an adhesive coating on one surface thereof and surrounding the box so as to cover the opening joint thereof, a narrower ripping strip arranged on the adhesive side of the sealing strip, a strip of paper covering the adhesive coated end of the sealing strip which overlaps the first end of the sealing strip when the same is arranged around the package to cover the opening joint so that the overlapped end does not adhere to the first end of the strip, and a gripping tongue for starting the ripping of the sealing strip along the ripping strip, said tongue being formed by having two slots arranged in the end of the sealing strip, said slots being spaced apart at a distance approximately equal to the width of the ripping strip.

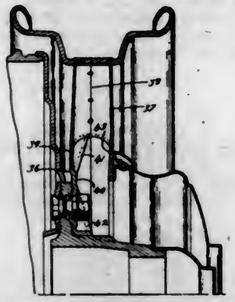
2,120,630
**ELECTRICAL SOCKET AND METHOD OF MAKING SAME**
John B. Seever, Chicago, Ill.
Application March 14, 1935, Serial No. 11,174
1 Claim. (Cl. 173—328)



A socket comprising an insulating body composed of fused material of a resinous base formed in a single unitary substantially homogeneous mass, contact clips having a portion embedded in said mass, and an air gap provided in said body between any two of said clips for eliminating short circuiting between said clips.

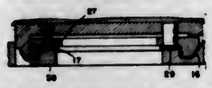
2,120,631
**WHEEL**
Charles W. Sinclair, Detroit, Mich., assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application February 23, 1932, Serial No. 594,683
7 Claims. (Cl. 301—9)

7. An artillery wheel comprising inner and outer stampings including axially-opposite radial spoke portions cooperating to form spokes of hol-



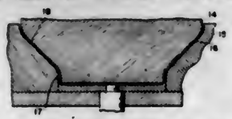
low section, the outer stamping constituting substantially only a fairing free from the wheel load.

2,120,632
**METHOD OF FORMING WHEELS**
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application July 29, 1935, Serial No. 33,785
1 Claim. (Cl. 29—159.03)



The method of forming sheet metal spoked wheels, which comprises forming a tube-like blank from a strip, pressing the tube-like blank and thereby contracting and upsetting a portion thereof into conical form while maintaining the remaining portion of the blank in axially extending relation to the conical portion, reversely bending the conical portion, thereafter flaring the remaining portion, subsequently removing angularly spaced portions of the remaining portion and thereby forming openings, and pressing the material bordering the openings in a generally axial direction to form channel section spokes with the sides of adjacent spokes connected by flanges.

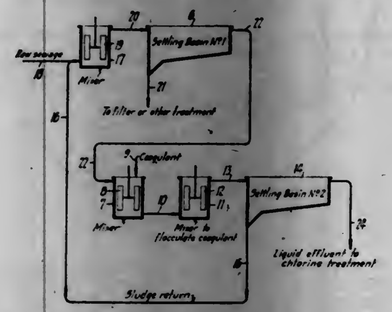
2,120,633
**METHOD OF FORMING WHEELS**
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application July 29, 1935, Serial No. 33,786
2 Claims. (Cl. 29—159.03)



1. The method of forming sheet metal spoked wheels, which comprises bending a sheet metal strip into tube-like form, securing the ends together, expanding a major portion of the tube-like blank into a substantially truncated cone-like blank, reversely bending and fashioning such cone-like blank into generally radially extending inner and outer portions and an intermediate generally axially extending portion, scalloping the outer portion and bending the side edges of the scallops in a generally axial direction to form spokes of channel section.



2,120,634
**PROCESS FOR TREATING SEWAGE**
Ralph A. Stevenson, Palo Alto, Calif., assignor to Great Western Electro-Chemical Co., San Francisco, Calif., a corporation of California
Application January 11, 1933, Serial No. 651,074
4 Claims. (Cl. 210—2)



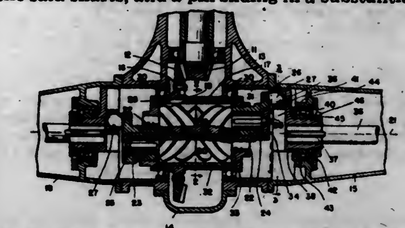

1. A sewage treatment for raw sewage containing constituents capable of reacting with $Fe(OH)_3$ consisting of the continuously practiced steps of subjecting an incoming stream of said sewage to sedimentation to settle a sludge therefrom and provide a partially clarified effluent, intimately incorporating a water soluble ferric salt coagulant in said effluent, slowly and gently stirring said coagulant containing effluent to build up a heavy and fast settling floc substantially free of entrained air therein and convert said ferric salt substantially to ferric hydroxide while avoiding settling of said floc, subjecting said effluent containing said heavy and substantially air free built-up floc to sedimentation to settle a secondary sludge containing ferric hydroxide therefrom and provide a substantially innocuous effluent, removing said secondary sludge and intimately incorporating said secondary sludge in said incoming sewage stream to react said ferric hydroxide in said secondary sludge with said raw sewage, and removing from the first sedimentation step a mixed sludge.

2,120,635
**PURIFIED ERGOT PRODUCT**
Marvin R. Thompson, Catonsville, Md., assignor to John Wyeth & Brother, Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 6, 1935, Serial No. 30,153
8 Claims. (Cl. 87—28)

1. The process of preparing a purified ergot product containing an active water soluble alkaloid of ergot which consists in extracting ergot containing the alkaloid with concentrated alcohol by percolation, removing said alcohol, washing the residue with acidified water and filtering the resultant solution.

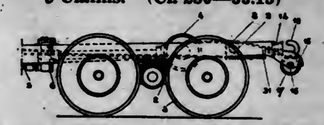
2,120,636
**DIFFERENTIAL AND AXLE DRIVE**
Nikola Trbojevich, Detroit, Mich.
Application March 30, 1936, Serial No. 71,753
6 Claims. (Cl. 74—389.5)

1. A differential comprising a spider rotatable about an axis, two mating pinions rotatable therein and symmetrically disposed relative of the said axis, one crank at the end of each pinion and at opposite ends of the spider, two drive shafts coaxial with the spider, two cranks mounted upon the said shafts, and a pin sliding in a substantially



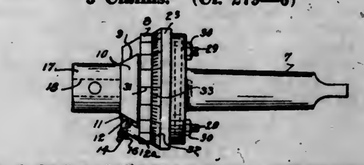
radial slot connecting the first and second cranks respectively to transmit a torque.

2,120,637
**COUPLER FOR TRAILING ORDNANCE AND THE LIKE**
Hubertus Josephus van Doorne, Deurne, Netherlands
Application September 12, 1936, Serial No. 100,554
In the Netherlands September 26, 1935
9 Claims. (Cl. 280—33.15)



1. In combination, a motor frame; a winch on the frame having a cable; a draw-hook having a shank connected with the cable; a fixed member on the frame adapted to seat the shank; and means for automatically locking the shank in the fixed member and for rendering the winch drive inoperative when the cable is fully reeled.

2,120,638
**BORING HEAD**
Jean R. Yotta, Los Angeles, Calif.
Application November 15, 1937, Serial No. 174,623
3 Claims. (Cl. 279—6)

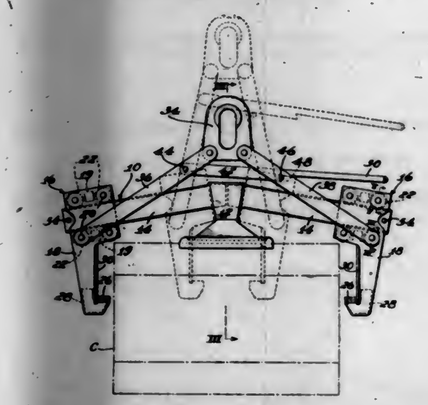


1. A device of the character described comprising a stem arranged for insertion within the spindle of a machine, a head carried upon one end of said stem and rigidly secured thereto, guideways in the exposed face of said head extending transversely of the stem, a tool holding block slidably mounted in said guideways having a recess on the outer face thereof for the reception of the end of a tool bit, means for locking said tool bit in said recess, a collar rigidly mounted to surround said stem at a distance from said head and parallel therewith, an adjusting disc surrounding said stem between said head and collar and rotatable therebetween, a scroll shaped guideway in the face of said disc opposite the inner face of the head, a slot in said head near the edge thereof, a follower stud carried by said tool holding block and projecting through said slot and into said guideway in said disc whereby rotation of said disc will cause said tool holding block to travel in said first men-

tioned guideways, and indicating means on the outer periphery of said head and disc and extending entirely around the same.

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2,120,639
**CARRIER**
Charles F. Buente, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 3, 1936, Serial No. 103,915
13 Claims. (Cl. 294—106)



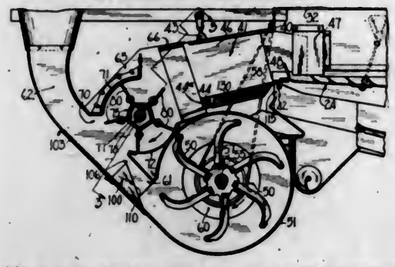
1. A coil carrier comprising a frame including a central pedestal, aligned arms secured to the pedestal and extending outwardly and slightly downwardly therefrom, an inwardly facing jaw slidably mounted on each arm for movement to and from the pedestal, a crane shackle, links pivotally secured to one jaw and pivotally connected to the shackle, links pivotally secured to the other jaw and pivotally connected to the shackle, and a latch pivotally secured to one set of links and extending into releasable engagement with the other set of links for holding the jaws apart near their most extended position, said latch being automatically set during the release of a coil by lowering the shackle toward the pedestal which engages with the top of the coil.

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2,120,640
**DISPENSING CONGEALED FOODSTUFFS**
Richard A. Craemer, Los Angeles, Calif.
No Drawing. Application April 20, 1935, Serial No. 17,489
4 Claims. (Cl. 99—171)

1. A package which contains food products which are liquid at normal temperatures but congealable into solid or semi-solid masses by refrigeration and which products are adapted to conform substantially to the shape of the walls of the package, said package having an adhesion preventing liquid coating applied to the surface of the inner walls thereof whereby said coating will be interposed as a relatively thin film between the walls of the package and product, and said coating having a solidifying temperature below the normal dispensing temperature of the product whereby said coating will remain liquid and permit removal of the congealed product without substantial adherence thereof to the coated surfaces of the package walls.

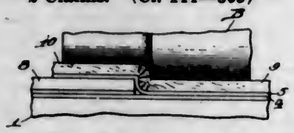
2,120,641
**CORN SHELLER**
Arthur B. Dieterich, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 16, 1933, Serial No. 676,055
16 Claims. (Cl. 130—6)



16. A cob stacker for a corn sheller having a suction fan and an intake therefor, said stacker comprising a casing, a fan disposed in said casing, means serving as an exhaust duct leading from said casing, there being an opening in said exhaust duct, a cob feeder disposed adjacent said opening and carried by said duct for delivering cobs into the path of the air blast from said fan, reciprocatory cob conveying means for conveying cobs toward said feeder, and means adjacent the intake of said suction fan for delivering cobs from said conveying means to said cob feeder.

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2,120,642
**METHOD OF VENEERING**
Armin Elmendorf, Chicago, Ill.
Application March 11, 1935, Serial No. 10,450
2 Claims. (Cl. 144—309)



1. The method of producing a butt joint between thin wood veneers in the bonding of the same to a supporting base, which consists in coating such base and a plurality of sheets of such veneers with an elastic glue that will not adhere to wood when brought in contact therewith in a dry condition but may be caused to effect a union with similar glue under pressure, drying such glue, pressing the coated side of one of said veneers against the coating on said base, laying a second of said sheets on the said base beside the first sheet while the adhesive on the second sheet remains dry, with a marginal portion overlapping the first sheet, pressing the material of the second sheet into the angle between the adjacent edge of the first sheet and said base, and then removing the marginal strip of the second sheet that initially overlay the first sheet.

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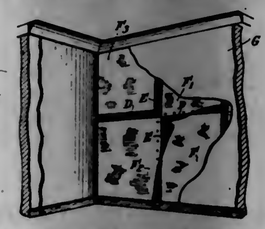
2,120,643
**METHOD OF PREPARING AN OXYGEN-LIBERATING COMPOSITION**
Kurt A. Gerson, London, England
No Drawing. Application June 29, 1934, Serial No. 733,121. In Great Britain July 3, 1933
11 Claims. (Cl. 23—244)

1. In a process of preparing an oxygen-liberating composition from an alkali peroxide and a hydrated alkali peroxide, the step comprising mixing said peroxide and hydrated peroxide and during mixing protecting the mixture from air by a fluid inert with respect thereto and readily removable therefrom.



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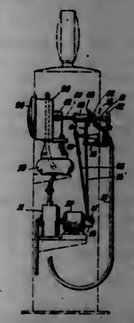
2,120,644
**PLASTERBOARD**
Edgar Ernest Harper, London, England, assignor to Heraolite, Limited, London, England, a British company
Application September 21, 1937, Serial No. 164,845
In Great Britain May 21, 1936
2 Claims. (Cl. 72—124)



1. A wall board having a base and facing for the reception of an interior finish coating, said facing being of fabric and projecting beyond and free from the base on adjacent sides whereby to cover nails used in securing an adjacent board and whereby to form a keying ground for the application of a finish coating covering and keyed to the entire area of the board.

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2,120,645
**INTERLOCKING DEVICE FOR DISPENSING PUMPS**
Charles S. Hazard, New York, N. Y., assignor to Neptune Meter Company, a corporation of New Jersey
Application October 8, 1934, Serial No. 747,379
13 Claims. (Cl. 221—95)



1. In a fluid dispensing device, means for dispensing fluid, an indicator for indicating the quantity of fluid dispensed and means associated with the dispensing means and indicator for resetting the indicator to zero and then initiating operation of the dispensing means, comprising a rotatable shaft for actuating said resetting means to reset said indicator to zero, a member on the shaft and movable axially thereof for initiating operation of the dispensing means and means actuated by said shaft for moving said member axially thereof only when the indicator is at zero.



2,120,646
**RECEPTACLE CLOSURE AND METHOD OF PRODUCING THE SAME**
Augustus L. Merolle, Brooklyn, N. Y., assignor to Empire Metal Cap Co., Inc., Brooklyn, N. Y., a corporation of New York
Application August 7, 1933, Serial No. 684,061
14 Claims. (Cl. 113—121)

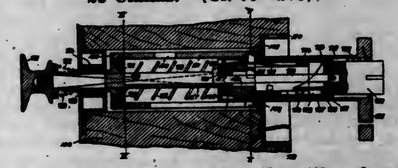


1. A single piece receptacle closure comprising a top wall, a marginal cylindrical wall turned inwardly at its lower margin and thence upwardly to form an inner wall, said inner wall being bent to form a thread groove therein and being spaced inwardly from the cylindrical wall, and having a flange at its upper annular edge projecting outwardly thereof to adjacent the cylindrical wall, said flange being in addition to the thread and serving to support the said inner wall during the threading operation.

4. The herein disclosed method of producing a receptacle closure, which consists in shaping a piece of sheet metal to form a top wall portion and a marginal annular flange thereon, bending the lower edge portion of said flange to form an inturned wire edge thereon, bumping said wire edge in the direction of the top wall to thereby cause portions of the material of the flange to flow inwardly and form an annular wall spaced inwardly from the inner surface of the flange and substantially concentric with said flange, and then applying pressure radially outwardly against the inner surface of said wall thereby bending the material of the wall and forming a thread groove in the inner surface of said wall.

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2,120,647
**DOOR LOCK**
Max Papst, Paris, France
Application September 8, 1934, Serial No. 743,170
In Germany September 15, 1933
23 Claims. (Cl. 70—208)

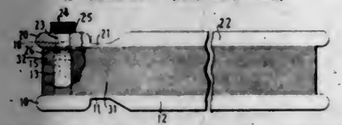


1. A lock comprising a handle with a handle shank, a roll-back for actuating a latch bolt, a sleeve housing the said handle shank and secured against longitudinal displacement, in which sleeve the handle shank is axially displaceable into an operative position and from the latter towards the door wall into an inoperative position, means adapted to prevent the handle from being actuated when the handle is in its inoperative position, means adapted to insure the connection of the handle with the roll-back, means adapted to automatically bring the handle to its operative position, means adapted to automatically block the said handle in its operative and inoperative positions, means operable from the outside for releasing the blocking means, means for actuating said releasing means from the inside when the handle is in its operative position, a locking device adapted to lock the door handle from the outside in its inoperative position by means of a key, means for pulling the handle

from the inside into its inoperative position, means adapted to cause the pulling-in device to collapse so as to require little space, means adapted to automatically actuate the pulling-in device when the door is being shut from the inside, means adapted to prevent the movement of the door handle when being pushed inwards from being transmitted to the members mounted on the inside of the door.

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**2,120,648**
**LOOSE LEAF BINDER**
**Rubin Rosen, Brooklyn, N. Y.**
**Application July 30, 1936, Serial No. 93,345**
**2 Claims. (Cl. 129—13)**

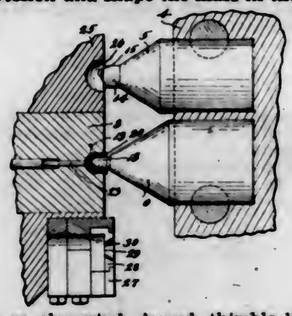


1. A loose-leaf binder having in combination a stationary leaf-engaging member, a sleeve carried by said member, a movable leaf-engaging member, a rotatable sleeve carried by said movable leaf-engaging member, said sleeve carried by said movable leaf-engaging member being adapted to telescope within the sleeve carried by said stationary leaf-engaging member, a knob secured to the outer end of the sleeve carried by said movable leaf-engaging member for rotating said sleeve, a stud secured to and in axial alignment with the sleeve carried by said stationary leaf-engaging member, said stud being threaded and having slabbed off or flattened sides, longitudinal stops on said stud, said stops being located diametrically opposite each other at the juncture of the threaded portions and flattened faces, a nut formed in the sleeve carried by said movable leaf-engaging member, said nut having cut out portions so that the threads thereof are interrupted, and spring means interposed between said stud and the upper part of the sleeve carried by said movable leaf-engaging member, said spring means normally urging said leaf-engaging members away from each other, the arrangement being such that when the threaded portions of said stud align with the interrupted portions of the thread of said nut the spring means will force the leaf-engaging members away from each other and when the sleeve is rotated by said knob the threaded portions of said stud will engage the threads of said nut to lock the leaf-engaging members from movement in relation to each other.

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**2,120,649**
**MACHINE FOR MAKING CAPPED NUT BLANKS**
**Heyman Rosenberg, New York, N. Y.**
**Original application May 21, 1935, Serial No. 22,593, now Patent No. 2,090,641, dated August 24, 1937. Divided and this application June 18, 1937, Serial No. 148,895**
**9 Claims. (Cl. 10—76)**

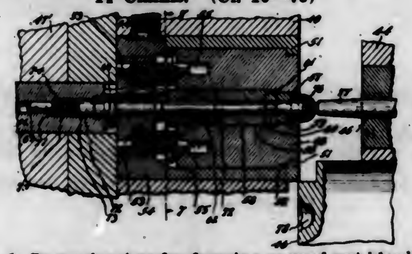
1. In mechanism for forming thimble-like shells in the production of capped nuts, the combination with double-stroke header mechanism and a stationary matrix die therein having a dome-shaped cavity, of plunger dies cooperating with the matrix die, one of the plunger dies being shaped to snugly fit within the matrix die and having a bulbous extension for producing a centering depression in a slug or mass of metal forced by said plunger die into the matrix die, and the other plunger die having a finger-like extension proportioned to enter the said centering depression and shape the mass in the matrix



die into an elongated, domed, thimble-like shell having substantially the same external domed shape as the internal shape of the matrix die cavity.

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**2,120,650**
**MACHINE FOR MAKING CAPPED NUTS FROM THIMBLES**
**Heyman Rosenberg, New York, N. Y.**
**Original application May 21, 1935, Serial No. 22,593, now Patent No. 2,090,641, dated August 24, 1937. Divided and this application June 18, 1937, Serial No. 148,897**
**14 Claims. (Cl. 10—76)**



1. In mechanism for forming capped nut blanks from thimble-like shells, the combination with double-stroke header mechanism and a floating matrix die therein, of plunger dies cooperating with the matrix die, one of the plunger dies having a push-on finger and the other a matrix, and a centering pin located in the matrix of the floating die to receive a thimble-like shell thrust into the matrix of the floating die by said finger, the matrix of the plunger die being proportioned to cooperate with the matrix of the floating die for forging the thimble-like shell into the completed contour of a capped nut.

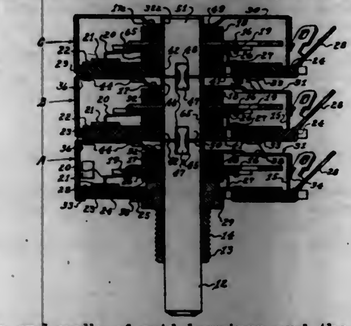
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**2,120,651**
**VARIABLE RESISTANCE DEVICE**
**Newton C. Schellenger, Elkhart, Ind., assignor to Chicago Telephone Supply Co., Elkhart, Ind., a corporation of Indiana**
**Application June 11, 1934, Serial No. 730,039**
**5 Claims. (Cl. 201—48)**

1. In a tandem variable resistance device, a plurality of variable resistance units fastened to each other, each of said variable resistance units having a cup-shaped metallic housing, notches in the side walls of said housings, base plates having lugs extending from the peripheral edge thereof and positioned in the open faces of said



housings with said lugs arranged in said notches, metallic grounding plates overlying some of said base plates, substantially alined journal bearings formed within the contour of the housings from



the end walls of said housings and the corresponding grounding plates, and individual shafts mounted in said substantially alined journal bearings, said shafts coupled to each other for simultaneous actuation thereof.

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**2,120,652**
**FOUNTAIN PEN**
**Julius L. Schnell, Arlington, N. J.**
**Application August 11, 1937, Serial No. 158,568**
**5 Claims. (Cl. 120—42)**
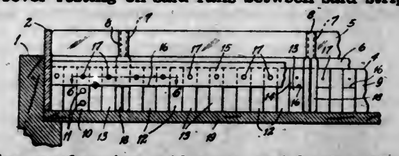


1. A closure of the safety screw cap type for a fountain pen, said closure comprising a two-piece cap consisting of an outer cap having a threaded portion spaced from the open end thereof for engaging a correspondingly threaded portion on the barrel of the fountain pen, an inner member, one end of which abuts the end of the pen section so as to effect a seal therewith and form an isolated chamber extending from the end of the pen section to the top of the cap for the pen point and feed, and a vent opening passing through said two-piece cap for placing said chamber in communication with atmosphere so as to eliminate pressure variations in said chamber and provide complete ink control.

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**2,120,653**
**COUNTER-SHAM**
**Oscar Sliger, University City, Mo.**
**Application July 1, 1937, Serial No. 151,360**
**8 Claims. (Cl. 312—140)**

1. Means for forming compartments in an article of furniture comprising side rails having opposed grooves in their outer faces separated by ribs, a strip extending lengthwise of the outer face of each rail and disposed edgewise with one edge projecting above the top of the rail, a cover resting on said rails between said strips,



clips overhanging said cover and having stems disposed in pairs of opposed grooves and partitions held by said clips.

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**2,120,654**
**MOVING PICTURE CAMERA LENS SUBSTITUTION DEVICE**
**John L. Spence, Jr., Brooklyn, and Jacob F. Leventhal, New York, N. Y., assignors to Akeley Camera, Inc., New York, N. Y., a corporation of New York**
**Application August 22, 1933, Serial No. 686,226**
**12 Claims. (Cl. 88—16)**



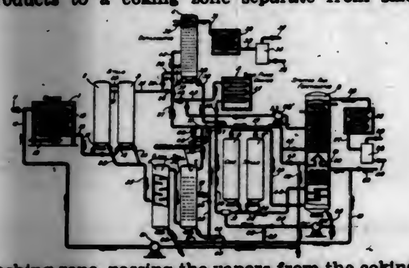
1. A dissolve fading mechanism for moving picture cameras having a single exposure aperture, comprising, in combination, a direct axis long focus optical system, an indirect axis short focus optical system, said second optical system having its focal axis intersecting the axis of said first optical system and forming a joint focal system to direct light to said aperture, a slidable light shield for intercepting the light from the long shot focal system, said shield being mounted at an angle at the intersection of said focal axes, a mirror carried by said shield for reflecting the light from said short focus optical system into the axis of the long focal system, means for slidably supporting said shield and mirror for movement into or out of the intersection axes of said optical systems; a second mirror located at an angle to the axis of said short focus optical system, and means for slidably moving said first mirror and shield in and out of said intersection, both optical systems being focused upon a single object.

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**2,120,655**
**CONVERSION OF HYDROCARBON OILS**
**Le Roy G. Story, Mount Vernon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware**
**Application April 21, 1931, Serial No. 531,693**
**7 Claims. (Cl. 196—60)**

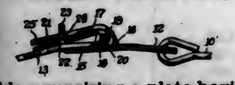
7. The method for the conversion of hydrocarbon oils by a series of continuous steps, which comprises subjecting a hydrocarbon oil to conversion conditions of temperature and superatmospheric pressure to produce a vapor fraction and an unvaporized residue, fractionating said vapor fraction, in a first fractionating zone, subjecting the unvaporized residue to flash distillation in a flashing zone under a reduced superatmospheric pressure in a flashing zone, separate and apart from the coking zone hereinafter specified and from the resultant vapors produced in the coking operation, fractionating the vapors evolved during flash distillation, in a second fractionating zone, to separate a selected fraction suitable for vapor phase cracking, subjecting

said fraction, while still retaining heat from its previous treatment, to a vapor phase cracking operation, conducting the vapor phase cracked products to a coking zone separate from said



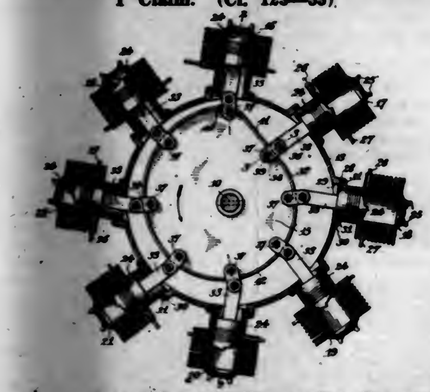
flashing zone, passing the vapors from the coking zone to a stripping zone, introducing fresh charging stock into said stripping zone and passing residual oil from the stripping zone to said coking zone.

**2,120,656**
**BUCKLE**
**Earl A. Stuller, Chicago, Ill., assignor to Western Chain Products Co., Chicago, Ill., a corporation of Illinois**
**Application August 3, 1934, Serial No. 738,223**
**Renewed April 30, 1938**
**4 Claims. (Cl. 24—193)**



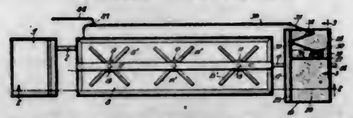
4. A buckle comprising a plate having a slotted flange, and a lever pivotally mounted on the plate and having a strap-engaging portion arranged to grip a strap when the lever is turned toward parallelism with the plate, the slot of the said flange being so positioned that the end of the strap can be passed therethrough and overlie the free end of the lever to hold the lever and lock it in its gripping position.

**2,120,657**
**INTERNAL COMBUSTION ENGINE**
**Henry R. Tucker, Pedro Miguel, Canal Zone**
**Application January 6, 1937, Serial No. 119,215**
**1 Claim. (Cl. 123—55)**



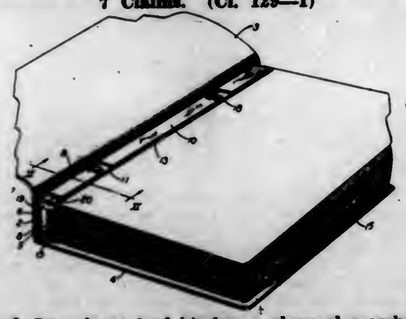
In an internal combustion engine, the combination with a casing, a shaft extending through the center of the casing, a circular series of cylinders around the casing, and pistons in the cylinders, of rotary means on the shaft in the casing operatively connected to all of the pistons, said means causing the pistons a quick movement on their working strokes and comparatively slow movement on their compression strokes, and simultaneously with the working stroke of one piston cause the simultaneous movement of a plurality of pistons on their compression strokes, each piston given a single working stroke and a single compression stroke upon each complete revolution of said means.

**2,120,658**
**ACTIVATED SLUDGE PROCESS AND APPARATUS THEREFOR**
**James Donald Walker, Aurora, Ill., assignor to The American Well Works, Aurora, Ill., a corporation of Illinois**
**Application December 13, 1935, Serial No. 54,264**
**8 Claims. (Cl. 210—8)**



6. In the activated sludge process, the method of preventing degeneration of the activated sludge which comprises withdrawing the sludge and treated liquor from the aeration phase of the process to a filter bed, maintaining the sludge on the surface of said bed while the treated liquor drains therethrough, and continuously removing the sludge from the surface of said bed and returning it to the aeration phase of the process.

**2,120,659**
**LOOSE LEAF BINDER**
**Fred D. Wedge, Lombard, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts**
**Application October 8, 1934, Serial No. 747,259**
**7 Claims. (Cl. 129—1)**



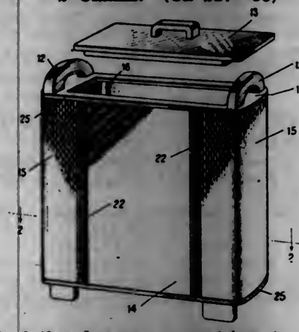
6. In a loose leaf binder, a channel member, the side walls of said channel being recessed, a sheet retaining unit provided with projections, said sheet retaining unit being slidable in said channel member with said projections positioned in said recesses, and means to prevent accidental sliding movement of said sheet retaining unit.

**2,120,660**
**MANUFACTURE OF DI-J ACID**
**Walter Valentine Wirth, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**No Drawing. Application July 1, 1937, Serial No. 151,449**
**8 Claims. (Cl. 260—129)**

1. In the process of producing Di-J Acid by reacting J-acid with sodium bisulfite, the improvement which comprises conducting the reaction in the presence of a water-soluble, acid-reacting ammonium salt.



**2,120,661**
**CLOTHES HAMPER**
**Harold Gleitsman, Cedarhurst, N. Y.**
**Application December 8, 1936, Serial No. 114,736**
**2 Claims. (Cl. 217—65)**



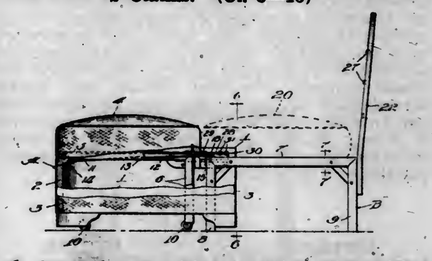
1. A clothes hamper comprising, in combination, a bottom element, a plurality of vertical supporting elements affixed thereto, a top element supported by said vertical elements, a plurality of wall closure elements, one of said wall closure elements forming the rear wall and the side walls of said hamper, the other of said wall closure elements forming a portion at least of the front wall of said hamper, a plurality at least of said vertical supporting elements comprising grooved elements, said plurality being positioned in the front wall of said hamper and spaced from the ends of said wall whereby said wall is divided into a plurality of vertical panel portions, each of said wall closure elements being seated in one of said grooves and affixed to one of said grooved elements, said grooved elements comprising exterior portions overlying and hiding from view the edges of said wall closure elements seated in said grooves.

**2,120,662**
**CLOTHESLINE PROP**
**Ira D. Hartman and Clarence P. Hartman, Stony Creek Mills, Pa.**
**Application March 9, 1937, Serial No. 129,934**
**1 Claim. (Cl. 248—353)**



A prop of the class described comprising a pair of upper and lower bars having rear slidably engaging faces, a guide sleeve for said bars secured to the upper end of the lower bar and surrounding both bars, said sleeve having a central aperture in the front face and the lower bar having a recess in the front face thereof registering with said aperture and a pair of laterally extending grooves therein upon opposite sides of the recess and closed by said sleeve, a pivot pin disposed in said grooves to traverse said recess and held in said grooves by said sleeve, a latch arm extending from said pin through said aperture and having a sleeve-like end mounted on said pin rotatably and housed in said recess, said arm having a lower bail-like end surrounding both bars and movable by said arm to engage and disengage the front face of the upper bar, and a spring interposed between said arm and the front face of the lower bar and urging said bail into engaging relation, the front face of the upper bar having notches therein receiving said bail.

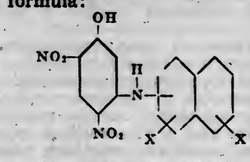
**2,120,663**
**CONVERTIBLE COUCH**
**Joseph W. Bowersox, Kansas City, Mo., and Stephen J. Blaha, Hinsdale, Ill., assignors to Superior Felt and Bedding Company, a corporation of Illinois**
**Application September 14, 1936, Serial No. 100,622**
**2 Claims. (Cl. 5—18)**



1. A couch comprising a seat section and a second section, said seat section having a cushioned seat and a narrow yieldable mattress-supporting member extending lengthwise of the seat behind and a substantial distance below the top of the seat, said second section being of a height equal to that of the seat section less than the thickness of a mattress and being adapted normally to be housed under the seat section; and a loose cushion adapted to stand on edge on said mattress-supporting member when the couch is closed, and to lie flat on said second section and serve as a mattress for the latter when the couch is open.

**2,120,664**
**2.4-DINITRO-5-NAPHTHYLAMINO-PHENOLS**
**Edgar C. Britton, Frank B. Smith, John E. Livak, and Winfield W. Sunderland, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan**
**No Drawing. Application March 20, 1937, Serial No. 132,085**
**4 Claims. (Cl. 260—128)**

1. A 2,4-dinitro-5-arylamino-phenol having the following formula:

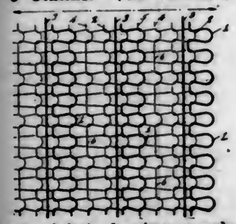


wherein one X represents a substituent selected

from the class consisting of hydrogen, chlorine, bromine, and lower alkyl, and the other X represents hydrogen.

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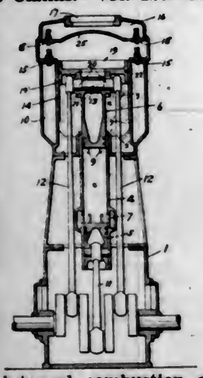
2,120,665
**ELASTIC FABRIC**
Neil A. Crimmins, Stoughton, Mass., assignor, by mesne assignments, to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application April 11, 1932, Serial No. 604,586
6 Claims. (Cl. 66—190)



1. An elastic fabric having a relatively large number of courses composed of inelastic threads knitted in loop formation, a relatively small number of courses composed of elastic threads interspersed throughout said fabric and interlooped with the inelastic threads of adjacent courses, and elastic threads laid between the loops of inelastic threads of certain courses, said elastic threads each having a rubber core, an inner cover and an outer cover wound around the inner cover in a long pitched spiral compressing the inner cover and causing it to bulge out between the convolutions of the outer cover.

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2,120,666
**INTERNAL-COMBUSTION ENGINE**
Joseph Barraja-Frauenfelder, Swarthmore, Pa., assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa., a corporation of Pennsylvania
Application February 3, 1937, Serial No. 123,930
3 Claims. (Cl. 123—51)



2. In an internal combustion engine of the opposed piston type, in combination, a working cylinder, an outer working piston in said cylinder, side rods connected to the outer working piston, a scavenging air pump cylinder mounted adjacent the outer end of the working cylinder and of a diameter to embrace said side rods, a scavenging air pump piston within the scavenging air pump cylinder, the trunk of said piston working on the wall of the scavenging air pump cylinder being of a height of from one-third of the length of its stroke to in excess of the full length of its stroke and an annular flange on said outer piston extending inwardly from adjacent the points of connection of said piston with said side rods, said annular flange being of a diameter greater than the outside diameter of the end of the working cylinder and the flange being of such length as to embrace the end of the working cylinder when the outer working piston is in dead center position.

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2,120,667
**THERAPEUTIC AGENT FOR USE IN THE TREATMENT OF INFECTION**
Benjamin Gruskin, Philadelphia, Pa., assignor to Lakeland Foundation, Chicago, Ill., a corporation of Illinois
No Drawing. Application December 1, 1937, Serial No. 177,414
15 Claims. (Cl. 167—65)

1. A cell stimulating composition for use in the treatment of infections comprising a water soluble chlorophyllin dissolved in an aqueous carrier.

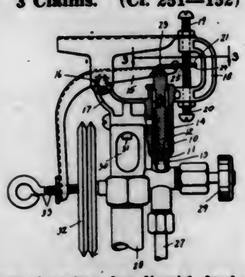
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2,120,668
**METHOD OF PURIFYING TETRACHLOROETHYLENE**
Alden W. Hanson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 15, 1935, Serial No. 31,453
6 Claims. (Cl. 260—162)

1. In a method of freeing tetrachloroethylene from toxic impurities capable of reacting positively to the benzidine test and chlorinated saturated aliphatic hydrocarbons, the steps which consist in adding to the impure tetrachloroethylene a finely divided metal selected from the group consisting of zinc, iron, aluminum, and magnesium, refluxing the mixture in the presence of a substantial proportion of water, and separating pure tetrachloroethylene from the product thereby obtained.

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2,120,669
**VALVE FOR OIL BURNERS**
Dewey H. Hill, Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind., a corporation
Application July 24, 1936, Serial No. 92,277
3 Claims. (Cl. 251—152)



1. A control valve for liquid fuel burners including a tubular housing provided with a valve seat, a spring actuated valve member slidably mounted in said housing for controlling the passage of fuel therethrough, said spring urging said member to full open position, a lever pivotally mounted upon said housing for moving said member toward said seat against the tension of said spring, means for restricting the movement of said lever within narrow limits for maintaining said valve member in normal operating position, and a sliding plate operable for rendering said restricting means ineffective to temporarily permit said valve member to move to full open position.



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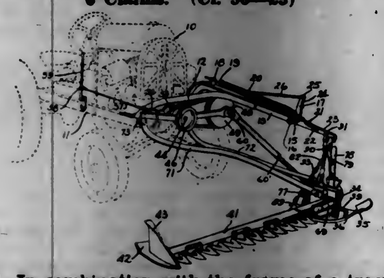
2,120,670
**METHOD AND APPARATUS FOR ORIENTING TOOLS**
Robert S. Hyer, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application July 5, 1935, Serial No. 29,896
8 Claims. (Cl. 255—1)



1. The method of orienting a tool within a bore hole including lowering the tool into the bore hole on a hollow drill stem, the lower portion of which drill stem carries a magnet, lowering within the drill stem an instrument containing means for indicating azimuth, a magnetic compass, and means for recording the indications of the azimuth indicating means and the compass, said lowering of the instrument being to a point where the compass is closely adjacent said magnet whereby the compass assumes a predetermined position relative to the magnet; thereafter causing said recording means to operate; withdrawing said instrument; and rotating the drill stem to bring the tool into a predetermined azimuthal position.

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2,120,671
**MOWING MACHINE ATTACHMENT FOR TRACTORS**
William Jensen and Harry Jensen, Hales Corners, Wis.
Application August 17, 1936, Serial No. 96,360
6 Claims. (Cl. 56—25)



1. In combination with the frame of a tractor upwardly and forwardly extending rigid means for suspending a mower, a bell crank interposed between said rigid means and said mower, spring means connected with said rigid means and said bell crank to normally support the latter at a given level, and lower hinged support means extending between said frame and said mower.

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2,120,672
**CATALYTIC LIQUID PHASE OXIDATION OF AROMATIC HYDROCARBONS**
Joseph R. Mares, St. Louis, Mo.
No Drawing. Application December 31, 1934, Serial No. 760,036
3 Claims. (Cl. 260—108)

1. A method of oxidizing a methyl substituted benzene to the corresponding acid which comprises subjecting the hydrocarbon to the action of an aqueous solution of an inorganic basic substance and an oxygen-containing gas in the presence of a catalytic material which, at the initiation of the reaction, consists of an alkali chromate, while maintaining a temperature of approximately 200° C.–370° C. to form the desired acid and simultaneously to maintain the chromium in catalytically active form.

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2,120,673
**STEREOPTICON SLIDE**
Paul M. Meadows, Haworth, N. J.
Application September 29, 1936, Serial No. 103,069
3 Claims. (Cl. 88—26)



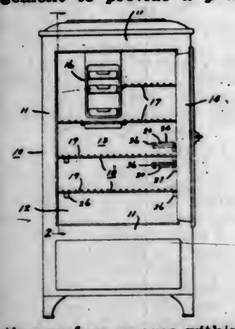
1. As an article of manufacture, a one-piece single sheet stereopticon slide comprising a self-sustaining non-fragile, flexible plate of substantially transparent material which is roughened on one side to render it substantially translucent and to receive markings thereon, and an opaque marginal frame on the sheet and applied integral therewith defining a field or area on the roughened sheet within which markings may be applied by a marking device to said roughened surface and to cause said markings to stand out in contrast with the frame when projected on a screen.

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2,120,674
**REFRIGERATING APPARATUS**
Edward B. Newill, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 20, 1935, Serial No. 32,415
Renewed November 5, 1937
6 Claims. (Cl. 312—173)

5. In a refrigerator cabinet, a compartment having an access opening and a door for closing said opening, a shelf arrangement within said compartment, means for supporting said shelf arrangement within said compartment, said shelf arrangement including two portions, the one portion of said shelf arrangement disposed adjacent the access opening to said compartment being movable relative to the other portion thereof, means on said door for detachably carrying said movable shelf portion, said movable shelf portion being adapted to be selectively supported

on either means, said movable shelf portion when supported by said first named means within said compartment being disposed in substantially the same horizontal plane with said other shelf portion and forming a complementary part of the shelf arrangement to provide a predetermined



food supporting surface or area within said compartment, and said movable shelf portion when supported by said means on said door completing said predetermined food supporting surface or area of said shelf arrangement within said compartment and being movable outwardly of the compartment when said door is opened.

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**2,120,675**
**PREPARATION OF BROMINATED HYDROCARBONS**

**Howard S. Nutting and Peter S. Petrie, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan**

**No Drawing. Application November 18, 1936, Serial No. 111,499**
**20 Claims. (Cl. 260—162)**

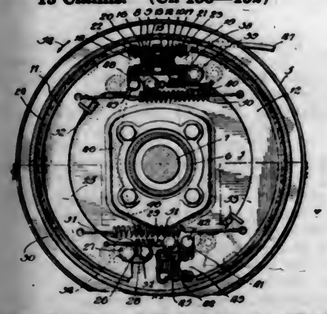
1. The method of preparing a bromine substituted aliphatic hydrocarbon which comprises reacting the corresponding chlorinated aliphatic hydrocarbon with a solution consisting of anhydrous aluminum bromide dissolved in an inert solvent.

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**2,120,676**
**HYDRAULIC BRAKE**

**Wallace F. Oliver, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California**

**Application March 17, 1932, Serial No. 599,479**
**15 Claims. (Cl. 188—152)**



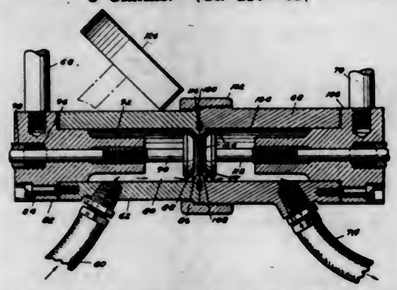
1. In mechanism of the class described, the combination of a rotatable brake drum, a stationary support, a cylinder carried by said support, a pair of brake shoes, a piston in said cylinder for each of said shoes, a second cylinder, a piston in said second cylinder for one of said shoes, and an anchor at each end of said last-mentioned shoe spaced different distances from the center of said drum.

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**2,120,677**
**VALVED COUPLING FOR HYDRAULIC BRAKES**

**Wallace F. Oliver, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California**

**Original application June 6, 1932, Serial No. 615,651, now Patent No. 2,065,017, dated December 22, 1936. Divided and this application June 30, 1934, Serial No. 733,221**
**3 Claims. (Cl. 137—69)**



1. In mechanism of the class described, the combination of a pair of coupling members, each having an annular sealing surface and a valve seat, a valve associated with each of said seats, means for operating said valves, a compressible gasket for expelling all fluid from between said coupling members prior to an uncoupling operation, and means for detachably connecting said coupling means.

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**2,120,678**
**BLEACHING AND PURIFYING PROCESS**

**John L. Parsons and Donald T. Jackson, Erie, Pa., assignors to Hammermill Paper Company, Erie, Pa., a corporation of Pennsylvania**

**No Drawing. Application March 30, 1936, Serial No. 71,690**
**8 Claims. (Cl. 8—108)**

2. A method of bleaching and purifying cellulosic material which comprises subjecting the same in a plurality of stages to the action of a plurality of agents having available chlorine, at least one of said agents being in the form of a chlorite selected from the class consisting of an alkali metal and an alkaline earth metal, and another of said agents being in the form of a hypochlorite, the final stage comprising treatment with an alkaline hypochlorite.

5. A method of bleaching and purifying cellulosic material which comprises subjecting the same to the action of chlorine and then subjecting it to the action of a mixture of a chlorite and a hypochlorite.

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**2,120,679**
**GRAVITY PRESS**

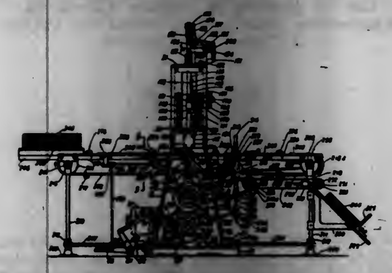
**Albert Pohle, Brooklyn, N. Y.**

**Application April 24, 1937, Serial No. 138,741**
**6 Claims. (Cl. 101—3)**

1. In an apparatus of the character described the combination of a pair of frames, gibs supported on the frames, each of said gibs having a



V shaped groove, a slide in the apparatus, said slide being V shaped grooves positioned opposite the V shaped grooves in the gibs, a plurality



of balls in the V shaped grooves of the slide and its coacting V shaped groove in its adjacent gib and plates at the top and bottom ends of the slide for each plurality of balls.

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**2,120,680**
**METHOD OF AND PLEDGET FOR THE TREATMENT OF ACCESSIBLE HEMORRHAGE WITH SNAKE VENOM HAVING BLOOD COAGULATING PROPERTIES IN VITRO**

**Samuel Rosenfeld and Sidney Edward Lenke, Brooklyn, N. Y., assignors to Mark A. Lenke, Port Washington, N. Y.**

**No Drawing. Application July 13, 1935, Serial No. 31,178**
**10 Claims. (Cl. 167—74)**

1. A method of manufacturing a pledget to be used in the topical treatment of bleeding body tissue to cause the arrest and stoppage of the flow of blood therefrom, which comprises wetting the pledget with a solution containing snake venom having blood coagulating properties in vitro.

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**2,120,681**
**CRANKCASE DRAIN**

**Elmer Ryder, Elgin, Ill.**

**Application December 13, 1934, Serial No. 757,264**
**2 Claims. (Cl. 74—502)**



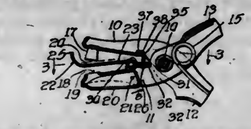
1. A device for retaining the plunger or the like in position, comprising a sleeve mounted in fixed position, a plunger slidable therethrough, a leaf spring anchored at one end upon the sleeve, the spring being bent upon itself and provided with a trigger part and an opening for the reception of the plunger, the plunger and spring being so constructed and arranged that in one position of the spring the plunger is freely slidable through the opening and in its other position the spring is adapted to bind against and lock the plunger in an adjusted position, the trigger part being adapted to move the spring to its first mentioned position to release the plunger.

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**2,120,682**
**HAND PUNCH**

**Robert H. Sharp, Marengo, Ill., assignor to McGill Metal Products Company, Chicago, Ill., a corporation of Illinois**

**Application September 28, 1936, Serial No. 102,961**
**8 Claims. (Cl. 164—121)**



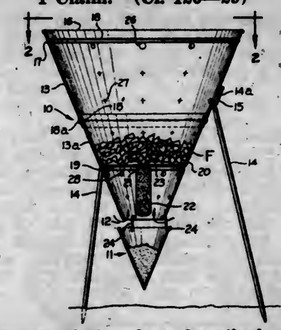
1. In a hand punch the combination of a pair of jaws pivotally secured together, handles, a spring to normally keep the handles apart, a punch on one of the jaws and a cutting die on the other, a stripper bar between said jaws, said stripper bar being secured in two places to the inner end of the lower of said jaws, a transverse bar secured to the inner end of said lower jaw and extending through said lower jaw, said stripper bar and also beyond the face of said upper jaw.

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**2,120,683**
**BARBECUE GRILL**

**Herbert G. Simmons, Indianapolis, Ind., assignor to Prest-O-Lite Battery Company, Inc., Indianapolis, Ind., a corporation of New York**

**Application July 30, 1936, Serial No. 93,321**
**1 Claim. (Cl. 126—29)**



In a device of the class described, a frustoconical supporting member, detachable supporting legs cooperating with the supporting member to hold the member in inverted position, a frustoconical depending member of substantially equal depth cooperating with the supporting member, outwardly projecting bead means on both members adapted to cooperate and hold the members in locked position, grill means cooperating with the supporting member, and grate means cooperating with the depending member.

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**2,120,684**
**HOOD HINGE**

**Joseph Soss, Roselle, N. J.**

**Application October 12, 1934, Serial No. 747,987**
**9 Claims. (Cl. 16—128.1)**



4. A hinge comprising a pair of elongated hinge parts, each fashioned from elongated strips of

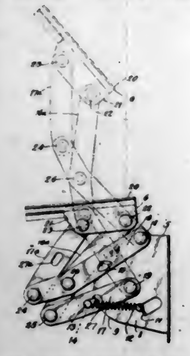
sheet metal and having longitudinally spaced pintle bearings interfitting in edge to edge relation with the pintle bearings of the opposed hinge part, the central portion of the sheet metal strip forming one hinge part being fashioned to form spaced cylindrical bearings and a concave semi-cylindrical hood portion extending throughout the length of said strip in close proximity to said bearings, and the side edges of said strip extending from said bearings and hood portion at one side of said part and being arranged one directly upon the other.

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**2,120,685**

## AUTOMATIC LATCH CONCEALED HINGE

**Joseph Soss and Francis H. Schwartz, Roselle, N. J.; said Schwartz assignor to said Soss**
**Application July 18, 1936, Serial No. 91,375**
**15 Claims. (Cl. 16—163)**



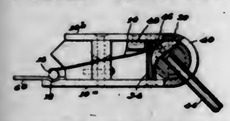
5. A concealed hinge comprising butt members and a link unit for hingedly coupling the butt members together to provide relative movement of said butt members, means movably supported on and movable with one of the links of said link unit and cooperating with one of said butt members for automatically latching a hinge in predetermined position to prevent accidental movement of the butt members with respect to each other when in such position.

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**2,120,686**

## CLAMPING DEVICE

**Frank Sutherland, Walpole, Mass., assignor to Bird & Son, inc., East Walpole, Mass., a corporation of Massachusetts**
**Application June 7, 1937, Serial No. 146,969**
**9 Claims. (Cl. 24—248)**



1. A clamp comprising a casing having a pair of spaced plates, a resilient leaf intermediately fulcrumed within said casing, a roll journaled in said casing between said plates, said roll having a cam surface operating against a surface of said leaf to move said leaf into a flexed clamping position relative to one of said plates, with the flexure of said leaf maintaining a resilient clamping force against said plate and frictionally locking said roll against rotation, and means detachably associated with said roll to operate said cam.

**2,120,687**

## MEANS FOR MAKING A DECORATIVE DESIGN

**Catherine Tarson, Cicero, Ill., assignor of one-half to Andrew W. Tarson, Cicero, Ill.**
**Application June 8, 1937, Serial No. 147,021**
**1 Claim. (Cl. 2—278)**



A device for making a decorative design on a piece of fabric, said device being of thin sheet metal and comprising a slender portion having small openings therein for receiving stitching to secure the device on the material and hold it in place during the beginning of the looping operation, said slender portion being depressed only along its center line providing a guide channel extending centrally longitudinally of said portion, for guiding the point of a scissors truly on the center line of said portion and facilitate cutting the loops evenly centrally thereof, whereby to provide an evenly unfolding and truly symmetrical design.

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**2,120,688**

## METHOD OF MANUFACTURING SUBSTITUTED SUCCINIC ACIDS AND ESTERS THEREOF

**Edmund B. Towne, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware**
**No Drawing. Application April 25, 1935, Serial No. 18,185**
**4 Claims. (Cl. 260—106)**

1. The method of preparing ether substituted succinic acid derivatives characterized in that an organic hydroxide selected from the group consisting of alcohols and phenols is reacted with caustic alkali under conditions whereby the water of reaction is removed and subsequently condensing the resulting alkali salt of the organic hydroxide and additional organic hydroxide with a material selected from the group consisting of salts, esters, and half ester salts of maleic acid.

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**2,120,689**

## STOCK AND DIE FOR USE IN SCREWING METALS

**John Dennis Walker, Glasgow, Scotland**
**Application August 3, 1937, Serial No. 157,093**
**In Great Britain June 28, 1937**
**9 Claims. (Cl. 10—123)**

1. A stock, an apertured plate carried by said stock, a boss upon the inner face of said plate projecting axially into said stock, a central opening in said boss, radial grooves in said boss, a die section mounted to slide along each of said grooves, a plate bridging said grooves to retain said die sections slidingly therein, a sleeve screwed into the said stock, an internally tapered portion forming part of said sleeve, which portion surrounds said die and contacts with the outer ends of the sections thereof, whereby, when said sleeve is screwed in one direction to produce movement of same axially and at a right angle to the plane in which lie said sections, the latter will be moved radially inward, and settable means for ensuring the adjustment



of the dies to repeatedly produce a thread of a certain dimension comprising a member revolubly mounted on said sleeve, means adjustably con-



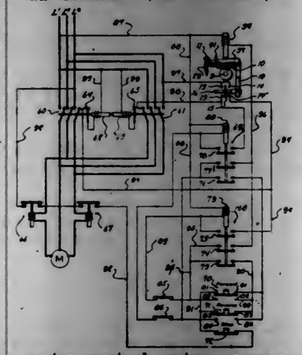
necting said member to said sleeve, a projection upon said member and means upon the stock engaging said projection.

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**2,120,690**

## ELECTRIC CONTROL SYSTEM

**Gustav O. Wilms, Milwaukee, and Lynn H. Matthias, Shorewood, Wis., assignors to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin**
**Application April 3, 1935, Serial No. 14,436**
**11 Claims. (Cl. 172—179)**



9. In a motor control system, means operable to effect plugging of a running motor and to completely disconnect the motor from its line the instant the motor starts to turn in a reverse direction, said means including frictionally engageable elements through which rotation of the motor is translated into switch actuating motion, and means for keeping said elements wholly disconnected and uninfluenced by each other until operation of the means for effecting plugging.

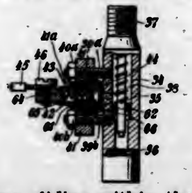
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**2,120,691**

## PRESSURE INDICATING DEVICE

**John Gilbert Bingham, Bexhill-on-Sea, England, assignor of one-third to Charles Ellis Bingham and one-third to Louise Bingham**
**Application July 12, 1935, Serial No. 31,076**
**In Great Britain July 23, 1934**
**4 Claims. (Cl. 200—58)**

1. In fluid pressure electrically operated switch apparatus for indicating a variation in fluid pressure at a valve, a device externally attachable directly to an integral straight valve stem, comprising a body portion, a rubber diaphragm placed over a lateral orifice in said stem open to fluid pressure to be indicated, an orificed plate placed between the diaphragm and said body, securing means for attaching said parts to the valve stem, a casing provided with an internal bore and externally threaded, means for securing an electric conductor to said casing, a spring-



pressed plunger sliding within the bore of said casing and normally pressed over the orifice of said plate, and insulating means between said body and said casing, said casing being threaded to said insulating means and adjustable by rotation for setting the switch so that at the desired fluid pressure the diaphragm by transmitting pressure from the valve casing to said plunger breaks the circuit, the switch and valve stem acting as a current conductor.

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**2,120,692**

## DOOR RETAINER OR HOLDER

**William Jennings Butts, Brunswick, Ga., assignor of one-half to Centennial Development Company, Inc., Bridgeport, Conn., a corporation of Delaware**
**Application July 7, 1936, Serial No. 89,443**
**7 Claims. (Cl. 292—343)**



2. In a door holder, the combination of a spring member; and two spaced foot members depending from said spring member, each foot member having a floor-engaging surface which is approximately convex, in a direction longitudinal of the spring, and which surface is adapted under pressure to be flattened in its engagement with a floor or the like under the door and frictionally grip the same.

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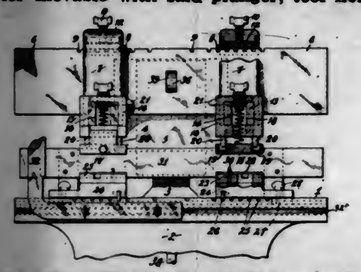
**2,120,693**

## MACHINE FOR FIXING LOCKS, FASTENINGS, AND FITTINGS TO ATTACHÉ AND SIMILAR CASES

**Charles William Cheney, Soho, Birmingham, England**
**Application September 9, 1936, Serial No. 100,005**
**In Great Britain September 12, 1935**
**4 Claims. (Cl. 1—4)**

1. Machine for fixing pronged fastenings to bodies and lids of attaché cases and the like, comprising in combination a table, bottom tools associated with and mounted for longitudinal adjustment on said table and adapted to receive

fastenings in the prong-upward position, a plunger, means for actuating said plunger, a horizontal carrier movable with said plunger, tool holders



mounted for adjustment on and along said carrier, forwardly offset projections on said tool holders, and tools applied to said projections to operate within a case body or lid.

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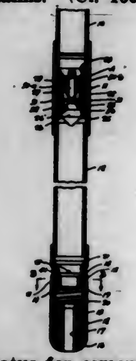
2,120,694

**APPARATUS FOR OIL WELL CEMENTING**

Erd V. Crowell, Los Angeles, Calif.

Application June 17, 1935, Serial No. 27,041

33 Claims. (Cl. 166—1)



1. In an apparatus for cementing oil wells, a well casing, a valve body provided with a valve seat within said casing, a valve formed to fit said seat, means for releasably holding said valve from said valve seat, means actuated by fluid pressure to release said valve, and fluid pressure means to force said valve to and upon its said seat.

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2,120,695

**GAS VALVE MECHANISM**

John Dicak, Berwyn, Ill., assignor to Imperial Brass Manufacturing Company, Chicago, Ill.

Application January 11, 1935, Serial No. 1,279

3 Claims. (Cl. 251—163)



1. A gas cock comprising a body and a plug, a stem keyed to said plug and passing therethrough, a gas passage thru said cock, said plug, said body and said stem in resilient interengagement, said plug spring pressed against said body, a nut means on said stem yieldably engageable with said body by means of lugs and recesses, lock nut means on said stem operable with said nut means to clamp said means jointly to said stem in any preselected position intermediate of on and off positions of the cock, said stem keyed to said plug by pin and slot means allowing for axial movement of said stem with respect to said body, slots in said body for reception of said pin determinative of stop positions of said plug at on and off positions.

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2,120,696

**FOOD BROWNER**

Catheryn L. Eldred, Rock Island, Ill.

Application April 3, 1937, Serial No. 134,790

3 Claims. (Cl. 219—21)



1. A structure for the purpose set forth comprising a hollow head having a handle projecting therefrom, insulating strips extending across the interior of the head and secured rigidly thereto, the securing means being formed by making incisions in the edge portions of the head and bending the tongues thus formed inwardly to engage the strips and hold them in place, an electric heating resistor extending between said insulating strips and having its ends connected to one of said insulating strips, and an electric current conductor connected to said resistor, adjacent the ends thereof, whereby said resistor may be connected to a source of electric current.

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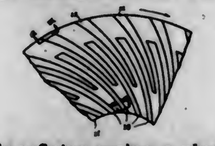
2,120,697

**APPARATUS FOR DISINTEGRATING FIBROUS SUBSTANCES**

William Finnegan, Kenogami, Quebec, Canada, assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application August 5, 1935, Serial No. 34,671

13 Claims. (Cl. 92—27)



1. In a pulp refining engine, a plug comprising a frusto-conical abrasive member having a plurality of grooves in its conical face, said grooves being arranged in a plurality of series, each series having interdigital relationship with each other series and with the origins of the grooves of the different series being toward the top of the truncated cone and in staggered relationship longitudinally of the plug, and the grooves of one series having their origins at the top of the truncated cone and extending toward but not to the base of said cone, and a frusto-conical abrasive shell around said plug and having a plurality of grooves in its conical face, said grooves being arranged in a plurality of series with the origins of the grooves of the different series being toward the top of the truncated cone and in staggered relationship longitudinally of the shell, and the grooves of one series having their origins at the top of the truncated cone forming the shell liner.

2. In a pulp refining engine, a plug comprising a frusto-conical abrasive member of abrasive granules of approximately 14 grit size having a plurality of grooves in its conical face, said grooves being arranged in a plurality of series with the origins of the grooves of the different series being toward the top of the truncated cone and in staggered relationship longitudinally of the plug, and the grooves of one series having their origins at the top of the truncated cone and extending toward but not to the base of said cone, and a frusto-conical abrasive shell of abrasive granules of approximately 24 grit size around said plug and having a plurality of grooves in its conical face, said grooves being arranged in a plurality of series with the origins of the grooves of the different series being toward the top of the truncated cone and in staggered relationship longitudinally of the shell, and the grooves of one series having their origins at the top of the truncated cone forming the shell liner.



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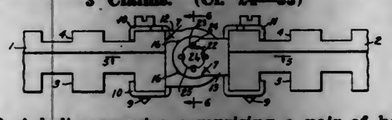
2,120,698

**BELT CONNECTER**

Abraham L. Freedlander and Norman J. Ritzert, Dayton, Ohio, assignors to The Dayton Rubber Mfg. Company, Dayton, Ohio, a corporation of Ohio

Application October 28, 1935, Serial No. 47,014

3 Claims. (Cl. 24—33)



2. A belt connecter comprising a pair of belt clips having interlacing side arms, said arms having bores therethrough, a bearing bushing secured at its ends in the bores in one pair of side arms, said bushing having indentations and said side arms having projections adapted to enter said indentations to lock said bushing to said side arms, and a bearing pin within said bushing secured at its ends within the bores of the other pair of side arms.

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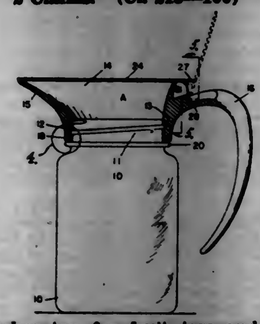
2,120,699

**PITCHER TOP FOR JARS AND SIMILAR CONTAINERS**

Theolian Gamble, Des Moines, Iowa

Application September 23, 1936, Serial No. 102,140

2 Claims. (Cl. 215—100)



1. A pitcher top for fruit jars and the like, comprising a lower, annular, internally threaded portion, an upper smooth-surfaced slightly flaring portion, having at one side a projecting lip for pouring, said pitcher top having portions formed with recesses adjacent to said handle, a cover for said top, having spaced spring ears with projections adapted to be snapped into said recesses.

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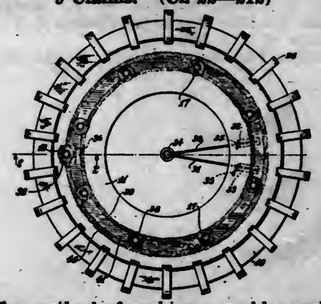
2,120,700

**VULCANIZING MOLD AND METHOD OF MAKING SAME**

Arthur W. Gay, Akron, Ohio, assignor to The Rapid Mold Company, Akron, Ohio, a corporation of Ohio

Application August 12, 1937, Serial No. 158,739

9 Claims. (Cl. 22—212)



1. The method of making a mold member for use in vulcanizing annular rubber articles which includes the steps of bringing molten metal into an annular casting cavity defined by inner and outer members heated to a high temperature, maintaining the temperature of the outer member and maintaining the casting cavity full of metal while reducing the temperature of said metal to far below its melting point and far below the temperature of the outer member, approximately equalizing the temperature of the solidified metal and outer member and cooling said outer member and solidified metal slowly and at approximately the same rate to room temperature.

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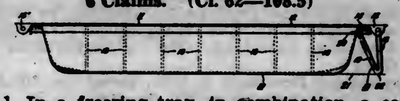
2,120,701

**FREEZING TRAY**

Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 17, 1937, Serial No. 180,273

6 Claims. (Cl. 62—108.5)



1. In a freezing tray, in combination, a container pan, a grid within said pen, and a depending strut member attached to said grid and located outside of said pan, said strut member having one portion thereof adapted to engage the support upon which the pan rests and another portion thereof adapted to engage the pan for loosening said pan from its frozen bond to the support.

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2,120,702

**MANUFACTURE OF CATALYSTS**

Vladimir Ipatieff and Raymond E. Schaad, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

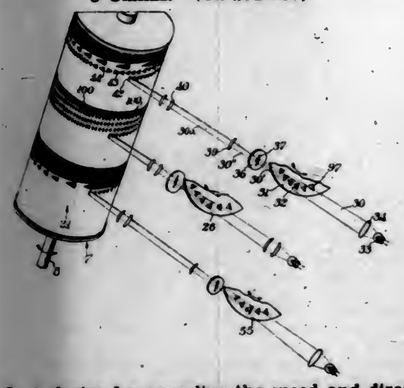
No Drawing. Application August 10, 1936. Serial No. 95,288

4 Claims. (Cl. 23—233)

1. A process for manufacturing catalysts which comprises mixing a phosphoric acid with a siliceous material, calcining the mixture at a temperature sufficient to effect substantial dehydration of the acid, thereby increasing the strength and porosity of the particles of the

mixture, and then steaming the mixture at a lower temperature than that of the calcining step to rehydrate the acid at least in part.

2,120,703
**MOTION ANALYZING AND RECORDING APPARATUS**
Clinton S. Janes, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application February 26, 1935, Serial No. 8,357
8 Claims. (Cl. 234—60)



5. A device for recording the speed and direction of motion of an element including a substantially constantly moving recording device, means for photographically impressing thereon a series of images corresponding to equal increments of motion of said element, the spacing of said images on said record showing the speed of motion of the element, and means whereby the shape of said images shows the direction of motion of the element.

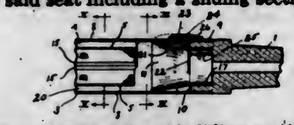
2,120,704
**CAR DOOR**
Joseph A. Kwake, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application December 1, 1933, Serial No. 700,450
6 Claims. (Cl. 20—22)



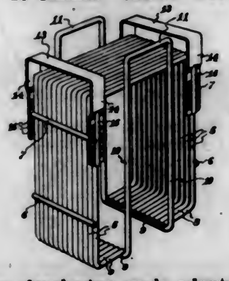
5. In a railway car, a wall having a door opening and a door post at the rear of said opening, a sliding door including a body panel, there being an element on said post projecting outwardly from the car wall and facing towards the door opening, and there being a member projecting inwardly from said door body panel near the front edge of the door and arranged to abut said door post element when said door is open.

2,120,705
**CIGARETTE HOLDER**
John Lykos, Steckdale, and Oliver H. Beaumont, North Belle Vernon, Pa.
Application June 18, 1937, Serial No. 148,914
6 Claims. (Cl. 131—51)

5. A cigarette holder including a tubular stem, a screen-lined cage, and a seat adapted to receive in snug engagement the end of a cigarette, the wall of said seat including a sliding section forming a part of said seat, said sliding section carrying a butt ejector and movable axially of the seat for shifting said ejector.

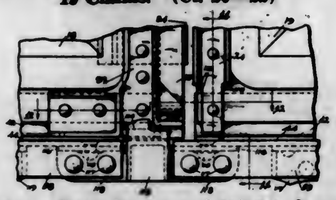


2,120,706
**FILM DEVELOPING RACK**
James T. Lynch, Tulsa, Okla.
Application October 11, 1937, Serial No. 168,447
10 Claims. (Cl. 95—100)



1. A film developing rack adapted to be received within a receptacle having projections therein, said rack comprising a plurality of spaced inverted U-shaped members adapted to receive therebetween films, and spaced arms carried on opposite sides of the rack and adapted to receive therebetween the projections within the receptacle.

2,120,707
**CAR DOOR**
Gabriel Madland, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application September 1, 1936, Serial No. 96,993
19 Claims. (Cl. 20—22)



1. In a railway house car having a door opening, a sectional track secured to said car below said opening, sections of said track being spaced apart substantially at the center of said opening, a connecting member extending between and secured to said spaced track sections, said member having an upwardly projecting stop and locking abutment terminating below said door opening, main and auxiliary lift doors adapted for sliding movement upon said track, said auxiliary door having a gusset member secured to the lower forward corner thereof, said gusset member having an abutment adapted to engage the abutment on said track connecting member in the elevated position of said door to limit closing movement of said door and a locking detent



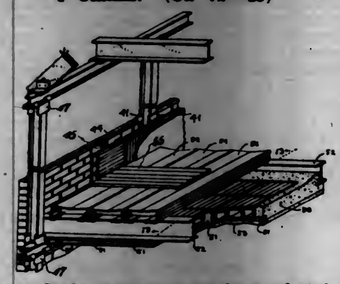
adapted to engage said abutment on said track connecting member when said auxiliary door is lowered to prevent opening movement of said door.

2,120,708
**TIP FOR SOLDERING IRONS AND THE LIKE**
Irving C. Matthews, Rochester, N. Y.
Application February 6, 1935, Serial No. 5,252
1 Claim. (Cl. 113—105)



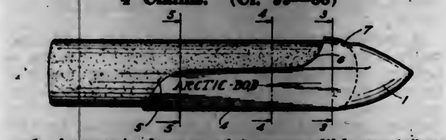
A tip for a soldering iron and the like, comprising a copper core, and a jacket made of the following in the following proportions, or thereabouts: nickel 50%, iron 34.65%, chromium 12%, manganese 1.50%, silicon 1.25%, carbon 0.60%.

2,120,709
**BUILDING CONSTRUCTION**
Stewart R. McKay, Cleveland, Ohio
Application February 8, 1932, Serial No. 591,497
4 Claims. (Cl. 72—43)



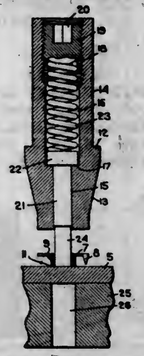
1. In a double walled steel frame building, a structural steel framing for supporting the load comprising spaced vertical structural steel members including spaced vertical members having outside and inside flanges, an outside laid-up masonry wall adjacent the outer face of said flanged members, members embedded in said wall and interengaged with the outside flanges of said vertical members, a separate inside wall adjacent the inside face of said vertical members and spaced from said outside wall, and means for connecting said inside wall with the inside flanges of said spaced vertical members.

2,120,710
**EDIBLE CONTAINER**
Arthur D. Nieding, Vermilion, Ohio
Application February 18, 1937, Serial No. 126,366
4 Claims. (Cl. 99—83)



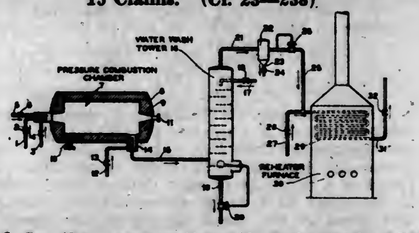

1. A receptacle comprising an edible container having a socket at one end for receiving a bar of confection, a lateral support for the bar extending from the socket longitudinally of the receptacle, and having upwardly extending sides to retain and guide melting portions of the bar into the socket, said socket being provided with an inwardly extending portion spaced from the end to prevent the fingers from slipping off the end.

2,120,711
**APPARATUS FOR SECURING CALKS TO ATHLETIC SHOE SOLES**
Fred C. Phillips, Stoughton, Mass.
Application September 22, 1936, Serial No. 101,962
3 Claims. (Cl. 1—1)



1. An apparatus for applying to the sole of an athletic shoe a calk-anchoring member, having a flat base and a central tubular internally screw threaded sleeve of shorter length than the total thickness of the sole in which the sleeve is to be embedded comprising a bed having an aperture of substantially the same diameter as that of said sleeve, a pressing member having a head presenting a face to engage the base of the anchoring member, an axial bore in said pressing member extending perpendicularly from said face, a plunger slidably mounted in said bore having an end portion normally projecting beyond the face of said head adapted to fit within the sleeve of the anchoring member to facilitate the positioning of said sleeve in axial alinement with the aperture in said bed, and plunger-actuating means in said pressing member yieldable to the resistance to penetration of said sole during the application of sufficient force to cause said sleeve to penetrate the sole and acting when the sleeve is substantially seated to discharge from the sole the plug severed therefrom by the penetration of said sleeve.

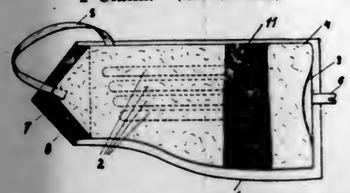
2,120,712
**REACTIVATION OF SOLID PHOSPHORIC ACID CATALYSTS**
Robert Pyzel, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 8, 1937, Serial No. 124,563
15 Claims. (Cl. 23—238)




6. In the regeneration of carbonized solid phosphoric acid catalysts, the improvement which comprises initially contacting the catalyst with hot combustion gases of relatively low oxygen content and containing less than 5% by volume

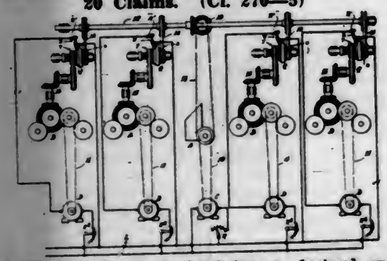
of water vapor, gradually increasing the oxygen content of the gases and continuing the contacting of the gases with the catalyst until the latter has been substantially decarbonized, maintaining the catalyst during such decarbonization at a temperature not substantially in excess of 1000° F., and subsequently steaming the catalyst at a temperature within the approximate range of from 450 to 550° F.

### 2,120,713
### LEG STRAIGHTENING ATTACHMENT
**Alma Rottke, geb. Zenner and Elsbeth Rottke, Wiesbaden, Germany**
**Application July 16, 1936, Serial No. 90,963**
**1 Claim. (Cl. 2—233)**



A leg-straightening attachment, comprising in combination an outer cover two layers of a fabric whose threads are made of a material which does not shrink when it gets wet, and are superposed at right angles, in the individual fabrics parallel vertical staves embedded between said two layers, the staves gradually becoming shorter towards the rear side of the leg, a lining of soft leather secured on the exposed surface of the horse-hair layer on the inner side of the attachment, said lining being in the form of a pocket open at the top and forming an obtuse angle at its lower end, an elastic loop adapted to receive the foot of the wearer secured at one end to the lower end of said lining and at the other end to the lower end of the cover, and a compensating pad adapted to be inserted in said pocket-shaped lining through the open end thereof.

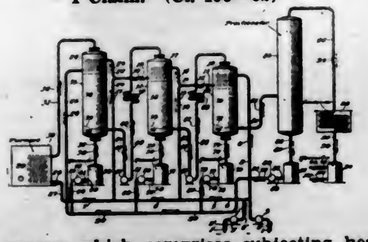
### 2,120,714
### PRINTING OR OTHER MACHINE
**Walter C. Scott, Plainfield, N. J.**
**Application June 11, 1936, Serial No. 84,678**
**20 Claims. (Cl. 270—5)**



1. The method of obtaining a desired speed relationship of a plurality of separately driven devices greater than two which consists in independently but simultaneously controlling the speed of a plurality of such devices with respect to the speed of a single device without affecting the speed of the single device by the speed of the plurality of devices.

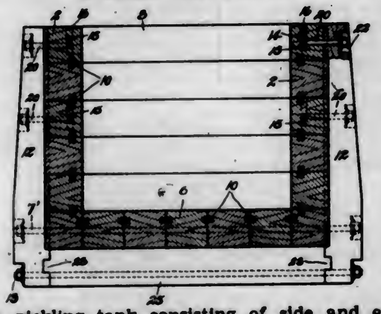
15. The combination with a plurality of operating units greater than two, of a motor for each unit, and means to control, by the speed of the motor of one unit, the speed of the motors of the remaining units without controlling the speed of the motor of the one unit by the speed of the motors of the remaining units.

### 2,120,715
### CONVERSION OF HYDROCARBONS
**Jean Delattre Seguy, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware**
**Application February 21, 1934, Serial No. 712,290**
**Renewed April 14, 1937**
**1 Claim. (Cl. 196—62)**



A process which comprises subjecting heavy hydrocarbon material to destructive hydrogenating conditions in a first stage and converting a substantial portion thereof into gasoline boiling hydrocarbons by the destructive hydrogenation, separating the resultant reaction products into vapors and liquids, returning at least a portion of the latter to the first stage, and subjecting the vapors to further gasoline-producing destructive hydrogenating conditions in a second destructive hydrogenating stage maintained under higher pressure and lower temperature than the first stage.

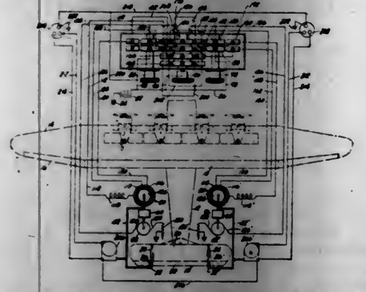
### 2,120,716
### PICKLING TANK
**Charles Shriver, Massillon, Ohio**
**Application November 5, 1936, Serial No. 109,275**
**1 Claim. (Cl. 217—4)**



A pickling tank consisting of side and end walls composed of superposed timbers having a bottom consisting of parallel timbers; vertical tie rods penetrating the timbers of the side walls; horizontal tie rods penetrating the timbers of the bottom; vertical bracing cleats provided on the opposite side walls of said tank and having their lower ends projecting below the bottom plane of the tank bottom; a transverse bolster spreader interposed between the lower projecting ends of the oppositely disposed cleats beneath the tank bottom, and oppositely disposed cleats being attached to the tank at a spaced distance from their lower extremities by a tie rod extending transversely through the timbers of the tank bottom.

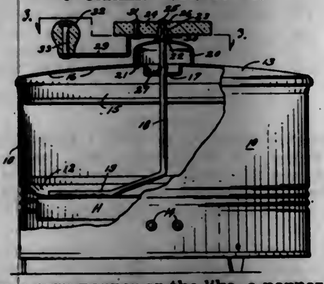


### 2,120,717
### TRIMMING MEANS FOR CONTROL SURFACES
**Igor I. Sikorsky, Trumbull, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware**
**Application May 15, 1936, Serial No. 79,839**
**2 Claims. (Cl. 244—87)**



1. In an airplane having twin rudders and a trimming tab for each rudder, a reversible mechanism carried by each rudder for operating the respective tab, and manually actuatable control means for controlling said actuating means to operate said tabs independently or simultaneously.

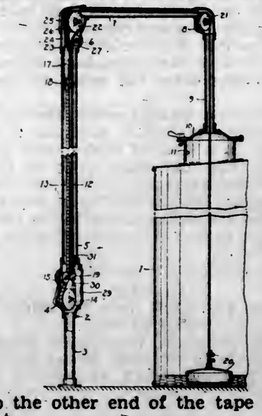
### 2,120,718
### CORN POPPER
**Howard A. Smith, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri**
**Application November 1, 1937, Serial No. 172,187**
**9 Claims. (Cl. 53—4)**



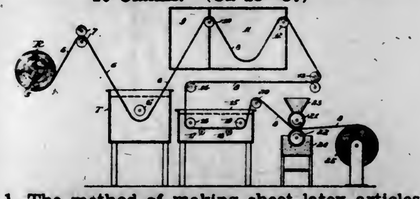
1. In a corn popper or the like, a popper kettle, a removable cover therefor, a stirrer within said kettle having a shank extending through said cover, an operating knob on said shank adjacent said cover and a lost motion connection between said shank and cover permitting limited movement of said knob upwardly relative to said cover when grasping the knob to remove the cover.

### 2,120,719
### FLOAT GAUGE
**Charles Spaeth, Cleveland, Ohio**
**Application May 28, 1937, Serial No. 145,360**
**7 Claims. (Cl. 73—321)**

1. In combination with a liquid storage tank having a float therein, an indicator casing adjacent the lower end of the tank, a tape movable through said casing and connected to a weight at one end, a guide supported above the top of the tank, a double cable slidably connected to said weight and passing over said guide, the free ends of the cable being connected respectively to the other end of the tape and to the said float.

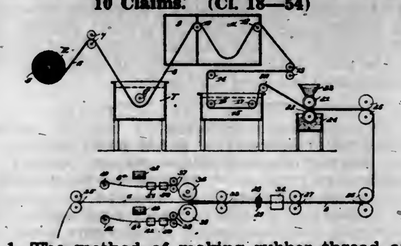


### 2,120,720
### METHOD OF MAKING SHEET LATEX ARTICLES
**Abraham N. Spánel, Rochester, N. Y.**
**Application November 14, 1934, Serial No. 752,999**
**10 Claims. (Cl. 18—57)**



1. The method of making sheet latex articles which comprises unwinding a roll of thin flexible sheet material capable of being coated with latex and capable of having the latex coating stripped therefrom, passing the sheet as it is unwound through a latex-depositing region to deposit an impervious removable latex layer on at least one surface thereof as it moves through the said region, drying the latex layer on said sheet, cutting the sheet and the layer of latex thereon into pieces as desired, and stripping the cut latex layer from the cut sheet.

### 2,120,721
### METHOD OF AND APPARATUS FOR MAKING RUBBER THREAD
**Abraham N. Spánel, Rochester, N. Y.**
**Application August 27, 1935, Serial No. 38,083**
**10 Claims. (Cl. 18—54)**



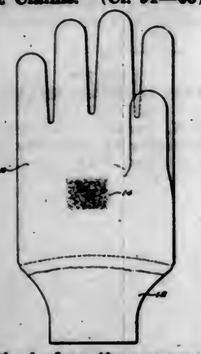
1. The method of making rubber thread and the like, which comprises applying a layer of liq-

uid rubber on a strip of sheet material, drying the rubber layer on the strip, moving said coated strip, slitting the strip and the rubber layer thereon lengthwise into a plurality of strands while the strip is moving, and removing the resulting strands of rubber from the resulting strands of material.

9. Apparatus for making rubber thread and the like, comprising means for applying a layer of liquid rubber on a strip of flimsy sheet material, means for drying the rubber layer on the strip, means for simultaneously slitting the strip and the rubber layer thereon lengthwise into a plurality of strands, and means for removing the resulting strands of rubber from the resulting strands of material.

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**2,120,722**
**COATED ARTICLE AND METHOD OF PRODUCING**
Neil E. Tillotson, Watertown, Mass.
Application April 16, 1936, Serial No. 74,682
2 Claims. (Cl. 91—68)



1. The method of coating canvas gloves or the like, which consists in dipping the canvas glove in a foundation bath of latex to provide a smooth coating, and next dipping the coated glove in a bath of latex having inert fibrous flock dispersed therein in sufficient quantity to provide a roughened surface produced by the imposition of the rubber latex dispersion upon the smooth foundation coating.

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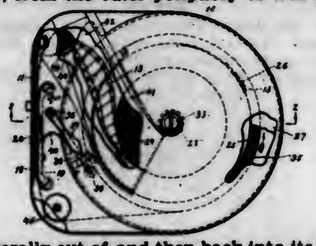
**2,120,723**
**PREPARATION OF HYDROCARBON POLYMERIZING CATALYSTS**
Kenneth M. Watson, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 18, 1935, Serial No. 45,642
2 Claims. (Cl. 23—233)

1. A process for producing a polymerizing catalyst which comprises forming a pasty mixture of a phosphoric acid and a siliceous adsorbent, forming the paste into shaped bodies by extrusion and cutting, and calcining said bodies.

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**2,120,724**
**PHOTOGRAPHIC FILM REELER**
Herbert Lloyd Williams, Akron, Ohio
Application October 10, 1936, Serial No. 105,031
6 Claims. (Cl. 88—17)

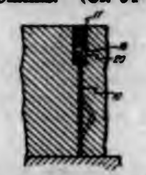
5. Photographic film-strip reeling apparatus comprising a casing having an exposure window, a strip supply roll and a take-up roll, one of which surrounds the other, and means for directing the unexposed strip past said exposure window, from the outer periphery of said supply



roll, laterally out of and then back into its plane, and onto the outer periphery of the take-up roll.

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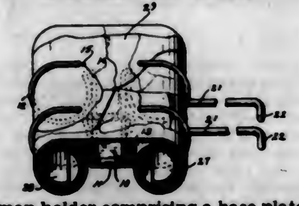
**2,120,725**
**TERRAZZO FLOOR STRIP**
Joseph L. Zanin, New York, N. Y.
Application August 8, 1935, Serial No. 35,239
7 Claims. (Cl. 94—17)



1. A terrazzo strip comprising a base strip of moderate thickness and a top bar of relatively thicker cross section, said top bar having a channel to receive an edge of the base strip, the side walls of said channel having openings therein in spaced relation to each other, and portions struck from the base strip and forced into the openings in the channel walls of the top bar to secure the base strip and top bar together, said struck out portions being partially severed from the base strip and lying wholly within their respective openings of the top bar.

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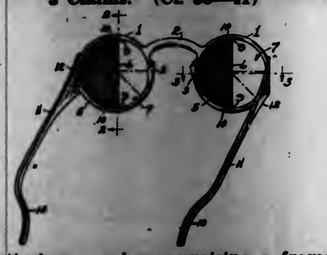
**2,120,726**
**REVOLVING ROAD MAP AND CARD HOLDER**
Blake Baker, St. Petersburg, Fla., assignor to Edward Stonehill, St. Petersburg, Fla.
Application April 20, 1937, Serial No. 138,021
4 Claims. (Cl. 40—86)



1. A map holder comprising a base plate having means for attachment to a supporting member, ears on the plate at the ends thereof, a map-support member swingably mounted in each ear, said map-support members consisting of a wire bent intermediate its length defining a bight portion forming the trunnion for pivotal mounting in the ears, the ends of the wire being bent upon themselves and formed into open loop members positioned upon opposite sides of the base plate, the loops upon respective sides of the plate being aligned, and a map extended across the plate, the ends thereof being rolled within respective aligned loop members.



**2,120,727**
**ANTIGLARE GOGGLES**
Antoinette P. Bell, Hastings, N. Y.
Application October 19, 1936, Serial No. 106,447
3 Claims. (Cl. 88—41)

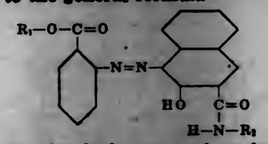


1. Anti-glare goggles comprising a frame, including circular rims, each having a groove in the inner surface thereof, translucent lenses mounted in the grooves for rotatable movement to various adjusted positions and each lens being of semi-circular formation to provide a straight edge and to leave an unoccupied space in the rims, means to hold the lenses in adjusted positions, lugs formed on the straight edges of the lenses adjacent to the outer ends thereof and extending forwardly therefrom at right angles thereto, and said lugs providing handles to facilitate the movement of the lenses.

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**2,120,728**
**WATER-INSOLUBLE AZO DYESTUFFS**
Gérald Benhôte, Basel, Switzerland, assignor to The firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application October 10, 1936, Serial No. 105,150. In Switzerland October 23, 1935
5 Claims. (Cl. 260—95)

1. The azo-dyestuffs obtained from diazotized aryl esters of orthoaminobenzoic acid and corresponding to the general formula

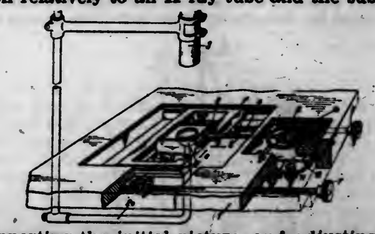


in which $R_1$ stands for an aryl nucleus of the benzene series and $R_2$ stands for such an aryl nucleus of the bensene series which is substituted in ortho-position to the NH-group by an alkoxy group selected itself from the group consisting of $OCH_3$ and $OC_2H_5$, which products are orange to red powders insoluble in water and which, when produced on the vegetable fiber, dye the same fast orange to red tints.

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**2,120,729**
**PROCESS AND DEVICE FOR AUTOMATICALLY CENTERING X-RAYS IN RADIOGRAPHIC AND STEREOSCOPIC RADIOGRAPHIC APPARATUS**
Clement Sylvain Chausse, Paris, France
Application March 11, 1937, Serial No. 130,374
In France March 14, 1936
9 Claims. (Cl. 250—94)

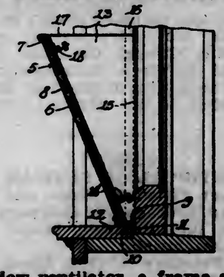
9. A method of X-ray photography comprising the steps of taking an initial rough X-ray picture of larger size than the desired final picture, developing said initial picture while the subject remains posed, determining the localization and centering of the interesting portion of the subject and the time of exposure and density of the negative from the initial picture, supporting a plate for a smaller sized picture in a determined position relatively to an X-ray tube and the subject,



supporting the initial picture, and adjusting the plate for the smaller picture relatively to the initial picture to bring the plate for the smaller picture into position for taking a picture of the subject corresponding to a localized area of the initial picture.

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**2,120,730**
**WINDOW RAIN SHIELD**
Frank E. Cherneaky, Corpus Christi, Tex.
Application October 17, 1936, Serial No. 106,218
1 Claim. (Cl. 98—99)



In a window ventilator, a frame embodying a lower rail, a depending flange formed along the outer longitudinal edge of the rail and adapted to be positioned against the dust rail of a window sill, an upstanding flange formed along the inner edge of the lower rail and disposed at an oblique angle with respect to the main portion of the lower rail, said frame including an upper rail and end rails formed of channel-bar material having the open sides thereof disposed inwardly, said end rails being bolted to the upstanding flange of the lower rail, flanges extending laterally from the lower ends of the end rails, the latter flanges being bolted to the lower rail securing the end rails to the lower rail, pivoted end members connected with the end rails and adapted to swing to positions engaging the window frame in which the ventilator is positioned, and a shielding member held within the channels of the end rails and upper rail.

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**2,120,731**
**ELECTRIC CIRCUIT BREAKER**
Henry William Clothier, Newcastle-upon-Tyne, England, assignor to A. Reyrolle & Company, Limited, Hebburn-upon-Tyne, England, a company of Great Britain
Application February 3, 1937, Serial No. 123,912
In Great Britain February 22, 1936
12 Claims. (Cl. 200—150)

1. A liquid-insulated alternating current electric circuit-breaker comprising, in combination.

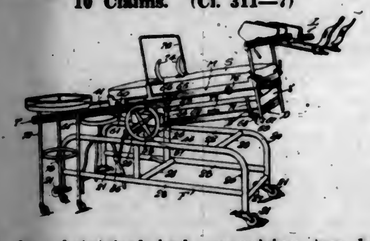
a tank, a cover therefor, insulating liquid within the tank, cooperating fixed and moving contacts within the tank, an arc control device having an enclosure through which the moving contact is drawn during opening of the circuit-breaker and in which a relatively high pressure is produced by the arc so as to expel the arc gases



through lateral vents in the enclosure, an actuating device for the moving contact operated by fluid pressure and mounted within the tank near an end of the arc control device, and a metal conduit passing through the cover of the tank and insulated therefrom for conveying pressure fluid to the actuating device and making electrical connection to the moving contact.

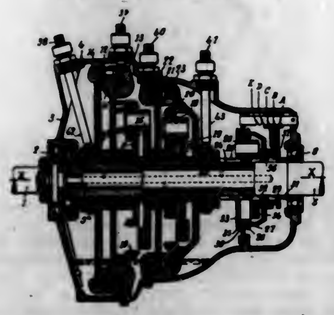
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2,120,732
**OBSTETRICAL OR SIMILAR BED**
Adrian Comper, Pittsfield, Mass., and Malcolm T. MacEachern, Chicago, Ill., assignors to Hospital Appliances, Inc., Pittsfield, Mass., a corporation of Massachusetts
Application February 3, 1936, Serial No. 62,212
10 Claims. (Cl. 311—7)



9. An obstetrical bed comprising two horizontally elongated side frames disposed in substantially vertical planes, transverse connecting means between said side frames, a substantially horizontal track frame at the upper portions of said side frames, means between the ends of said side and track frames tiltably supporting the latter on the former, mattress-supporting means supported by said track frame and including a mattress-section-carrying frame slidable from a normal position at the head end of said track frame to a delivery position at the foot end thereof, means for positively holding said mattress-section-carrying frame in said delivery position, and means for holding said track frame in inclined position to similarly hold said mattress-section-carrying frame if the patient must be supported in shock position.

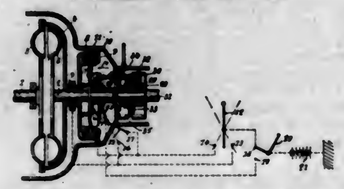
2,120,733
**CLUTCHING AND SPEED CHANGING MECHANISM**
Jean Cotal, Paris, France
Application September 4, 1936, Serial No. 99,478
In France May 26, 1936
6 Claims. (Cl. 74—270)



1. In a speed changing mechanism, a driving shaft, a driven shaft, two pinion carriers mounted rotatably and loose on one of said shafts and connected together at their central part, on each of said pinion carriers at least one pinion rotatably mounted on said carrier, a first externally toothed sun-wheel connected with one of said shafts and meshing with the pinion of one of said carriers and a first internally toothed wheel connected with the other of said shafts and meshing with the pinion of the other carrier, a second internally toothed wheel meshing with the pinion on said one of said carriers and a second externally toothed sun-wheel meshing with the pinion on said other of said carriers, means adapted to selectively brake said second internally toothed wheel and connect the same with said one of said shafts, and means adapted to selectively brake said second externally toothed sun-wheel and connect the same with said other of said shafts.

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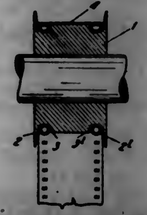
2,120,734
**COUPLING MECHANISM**
Jean Cotal, Paris, France
Application March 8, 1937, Serial No. 129,755
In France March 11, 1936
9 Claims. (Cl. 192—12)



1. In combination a driving shaft, a driven shaft, a coupling device between said driving shaft and said driven shaft adapted to allow slipping of one of said shafts with respect to the other shaft, a stationary member, cooperating electromagnetic braking means carried by said driven shaft and said stationary member adapted to maintain said driven shaft in a fixed position, and electromagnetic clutching means between said driving shaft and said driven shaft adapted to lock said driving shaft and said driven shaft together, and means adapted to energize selectively said electromagnetic means.



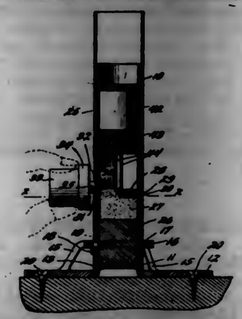
2,120,735
**ADJUSTABLE DRIVE ROLL FOR DEVELOPING MACHINES FOR FILMS AND THE LIKE**
André Léon Victor Clement Debrie, Paris, France
Application June 2, 1936, Serial No. 83,143
In France October 26, 1935
13 Claims. (Cl. 271—2.3)



1. In a film-developing machine the provision of entrance film-driving rollers having a constant adjustable diameter and of further film driving rollers having yieldingly compressible and extensible film bearing surfaces.

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2,120,736
**MARINE SIGNAL**
Josef B. Decker, Elkton, Md., assignor to The Triumph Fusee and Fireworks Company, Elkton, Md., a corporation of Maryland
Application July 15, 1936, Serial No. 90,811
7 Claims. (Cl. 102—20)

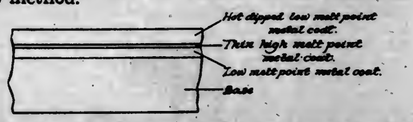


1. In a marine signal for use with a mortar including a barrel open at one end, the combination of fixed ammunition comprising cartridges adapted to loosely fit said barrel, each cartridge including a cylindrical shell containing a propelling charge and a projectile, said projectile including a signal flare and means to ignite the same from the flash of the propelling charge, a fuse extending from the charge to the exterior of said shell and a scratch-ignitable lighting train extending from said fuse entirely around the cylindrical surface of said shell for cooperation with a scratcher.

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2,120,737
**METHOD OF HOT-DIPPING METAL COATED OBJECTS**
Elgin Carleton Domm, Niles, Mich., assignor to National-Standard Company, Niles, Mich., a corporation of Michigan
Application February 10, 1936, Serial No. 63,254
18 Claims. (Cl. 91—68.2)

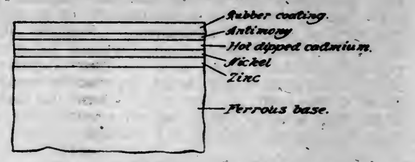
2. The method of coating a base coated with a relatively low melt point metal with a second relatively low melt point metal, which comprises applying a flash coating of a relatively high melt point metal upon the inner coating by a cold method, and applying the outer coating of relatively low melt point metal therein by the hot-dip method.




15. The method of coating a base coated with a relatively low melt point metal which comprises applying a flash coating of a relatively high melt point metal upon the inner coating by a cold method, applying a metal having a melting point of the order of that of the low melt point metal and of the class consisting of zinc, tin, lead and cadmium, thereto by the hot dip method, and applying thereto a metal of the class consisting of arsenic and antimony.

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2,120,738
**RUBBER COATED ARTICLE**
Elgin Carleton Domm, Niles, Mich., assignor to National-Standard Company, Niles, Mich., a corporation of Michigan
Original application February 10, 1936, Serial No. 63,254. Divided and this application June 16, 1937, Serial No. 148,621
10 Claims. (Cl. 91—68.2)




1. A metal coated object comprising a base, a coating of zinc thereon, an intermediate flash coating thereon of a relatively high melt point metal, and a hot-dipped outer coating of cadmium on the intermediate coating.

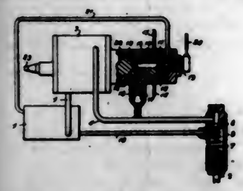
8. A metal-coated object comprising a ferrous base, a hot-dipped zinc coating thereon, a flash coating of a relatively high melt point metal on the zinc, a hot-dipped coating of cadmium thereon, a thin layer of antimony on the cadmium, the antimony being thin enough to alloy throughout with the cadmium at atmospheric temperature or the temperature of vulcanization, and a layer of rubber vulcanized thereto.

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2,120,739
**FUEL INJECTION SYSTEM FOR INTERNAL COMBUSTION ENGINES**
Theophilus James Bradley Drayton, Upper Norwood, London, England
Application January 7, 1936, Serial No. 58,016
In Great Britain January 10, 1935
5 Claims. (Cl. 123—138)

1. A distributor for injecting liquid fuel into the cylinders of a multi-cylinder internal combustion engine comprising a low pressure liquid fuel supply, a high pressure fuel reservoir, an injection nozzle for each of the cylinders, chambers corresponding in number to each of the cylinders, passages connecting the low pressure liquid fuel supply and high pressure reservoir with said chambers, and means within said chambers to transfer the fuel from the low pressure supply to the high pressure reservoir, additional passages connecting said high pressure reservoir

with each of said chambers, and means within the chambers for controlling the flow of fuel from the high pressure reservoir to the nozzles, the first named means moving the second named



means into injection position, said second named means being urged out of injection position by the pressure existent in the high pressure reservoir.

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2,120,740

**PRODUCTION OF IRON**

Erich Faust and Eberhard Jung, Herrenwyk, Lubeck, Germany, assignors to Hochofenwerk Lübeck Aktiengesellschaft, Herrenwyk, Lubeck, Germany, a company of Germany

No Drawing. Application December 28, 1936, Serial No. 118,017. In Germany February 6, 1936

7 Claims. (Cl. 75—41)

1. In the process for the production of a crude iron containing more than 0.6% of titanium in a coke blast furnace by employment of a charge mixture of bauxite containing titanium, limestone and coke and by employment of a slag containing more than 50% of lime-aluminates and working at a furnace temperature between 1600° C. to 1800° C., the step of working with a high slag to iron ratio, which exceeds 1:1 and may even be as high as 3:1 ratio.

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2,120,741

**DERIVATIVES OF DYESTUFFS CONTAINING HYDROXYL GROUPS AND PROCESS OF MAKING SAME**

Charles Graenacher and Heinrich Bruengger, Basel, and Franz Ackermann, Binningen, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application July 23, 1936, Serial No. 92,245. In Switzerland August 17, 1935

9 Claims. (Cl. 260—42)

8. The dyestuff derivatives of the general formula $R_1—O—R_2$ in which $R_1$ represents the radical of a dyestuff containing at least one hydroxyl group, and $R_2$ represents an acyl radical containing a quaternary ammonium group, which products are water-soluble powders which, when treated with mild saponifying agents, regenerate the dyestuff corresponding to the radical $R_1$.

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2,120,742

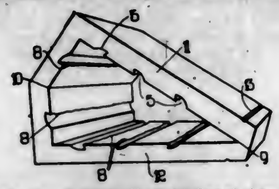
**TILE OR SLAB MADE FROM CERAMIC OR LIKE MATERIALS**

Francis Wilson Grundy, Rainford, near St. Helens, England, assignor to Rainford Potteries Limited, Rainford, England, a British company

Original application February 9, 1934, Serial No. 710,551. Divided and this application August 20, 1936, Serial No. 97,069. In Great Britain April 28, 1933

2 Claims. (Cl. 72—41)

1. As a new article of manufacture, a hollow polygonal clay body, the inner and outer surfaces of which are bounded by parallel planes and having acute and obtuse angles directly opposed to



one another and including at least two pairs of symmetrical sides.

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2,120,743

**DERIVATIVES OF AZO-DYESTUFFS AND PROCESS OF MAKING SAME**

Charles Graenacher and Heinrich Bruengger, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application April 1, 1937, Serial No. 134,453. In Switzerland April 9, 1936

8 Claims. (Cl. 260—81)

6. The compounds of the general formula

$$R_1—N=N—R_2—O—SO_3\text{-cation}$$

in which $R_1$ stands for an aromatic radical which carries no OH-group in ortho-position to the —N=N-group, and $R_2$ stands for a cyclic radical which corresponds to a cyclic compound carrying a phenolic hydroxyl group and in which further the —O—$SO_3$—cation-group stands in ortho-position to N—R, which products are yellow to brown powders dissolving in water with formation of solutions which on addition of acid precipitate the dyestuff of the general formula

$$R_1—N=N—R_2—OH$$

in which $R_1$ and $R_2$ have the signification indicated above.

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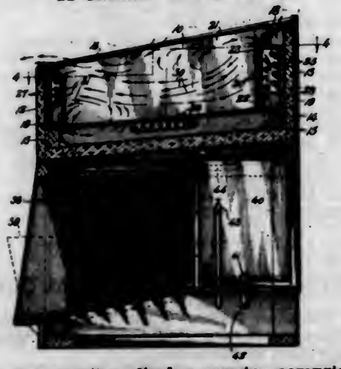
2,120,744

**REFRIGERATED DISPLAY COUNTER**

Richard E. Gray, Jackson, Tenn., assignor to Piggly Wiggly Corporation, Cincinnati, Ohio, a corporation of Delaware

Application September 24, 1934, Serial No. 745,331

11 Claims. (Cl. 62—89.6)



10. An open top display counter comprising a bin type receptacle with side and bottom walls, refrigerating elements constructed and so arranged relative to certain of said walls as to produce such a difference in refrigerating effects as



to create independent convection air currents in portions of the receptacle and to retard circulation in other portions of the receptacle thereby providing an improved refrigerating effect and serving to build up an accumulation of cold air in said receptacle.

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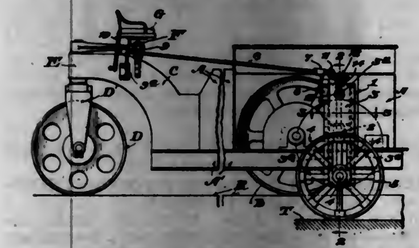
2,120,745

**TRENCH ROLLER ATTACHMENT FOR ROAD VEHICLES**

Carl F. Greiner and Andrew W. Aitken, Springfield, Ohio, assignors to The Buffalo-Springfield Roller Co., Springfield, Ohio, a corporation of Ohio

Application September 18, 1937, Serial No. 164,599

11 Claims. (Cl. 61—63)



1. In combination, a self-supporting road vehicle having a frame provided with wheels journaled therein, and with steering means; a member independent of the journals for the wheels mounted on the side of the frame adjacent the end remote from the steering end; a vertically adjustable journal carried by said member; a trench roll loosely mounted on said journal and disposed at one side of the vehicle and adapted to be raised above and lowered below the ground level; and manual means for adjusting the journal.

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2,120,746

**PINTLE CONTROL MECHANISM FOR REVOLVING DOORS**

Thurloe M. Hagenbook, Evansville, Ind., assignor to International Door Company, Evansville, Ind., a corporation of Illinois

Application January 15, 1937, Serial No. 120,818

11 Claims. (Cl. 20—18)



1. Pintle control mechanism for a revolving door comprising in combination with a central tubular shaft, a housing concentrically disposed about the shaft, said shaft and said housing having aligned longitudinal slots, a projectable and retractible pintle controllable through the central tubular shaft, a member connected with the pintle and having a portion thereof projecting through the slots in the central tubular shaft and the housing disposed about the central tubular shaft and operable through substantially the full length thereof, and latch mechanism carried by said member and engageable with enlarged portions of the slot in said housing in either of the limits of movement of said member for maintaining the pintle in either a projected or retracted position.

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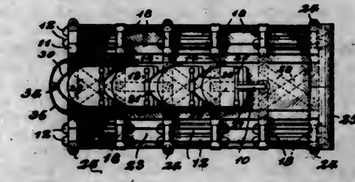
2,120,747

**SLIDE VEHICLE**

Horace William Hanna, New York, N. Y., assignor of one-half to Kathie Malik, New York, N. Y.

Application December 13, 1937, Serial No. 179,563

9 Claims. (Cl. 280—15)



8. In a sled of the character described, a cross frame member comprising a single length of strap metal having a central rectilinear horizontal part, end portions bent downwardly therefrom and thence outwardly to form stirrups, the material outwardly of the stirrups being bent downwardly, inwardly and upwardly to lower runner mountings and the extremities being secured to the central part.

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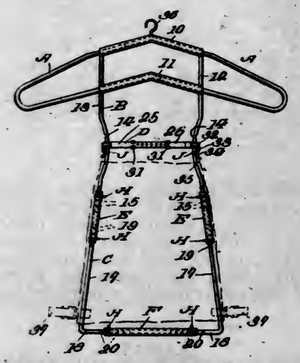
2,120,748

**DRYING FORM**

Sadie Anna Harris, Warren, Ohio

Application June 29, 1933, Serial No. 678,292

11 Claims. (Cl. 223—69)



1. A drying frame, comprising a plurality of frame members formed into a shape approximating the shape of a garment to be dried thereon, a bar connecting the opposite sides of said frame member at the waist-line of said frame form, the side frame members at the waist line of said form being bent inwardly towards one another to form an arc in each side frame member and provided

with a plurality of transversely arranged kerfs in separated parallel relation, said bar movable longitudinally of the arc portions of said side frame members, and resilient members carried by the bar and adapted to selectively engage said kerfs for the purpose described.

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2,120,749

## KNOCKOVER DEVICE

Woldemar Heinitz, Chemnitz, Germany, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany

Application February 8, 1937, Serial No. 124,743
In Germany February 13, 1936
3 Claims. (Cl. 66—109)



1. In a device used in straight knitting machines for knocking over the heel loops of stockings during the time the loops of the instep portion of the stocking are placed in suspense, comprising frame needles, knockover bits having a single knockover point cooperating with said frame needles knitting the instep portion, other knockover bits provided with two knockover points associated with said frame needles which knit the heel tabs and means for altering the amplitude of oscillations of said frame needles to effect knocking over the loops hanging on same at the one or other knockover point.

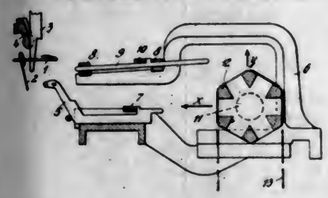
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2,120,750

## FLAT RIB KNITTING MACHINE

Woldemar Heinitz, Chemnitz, Germany, assignor to Schubert & Salzer, Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany

Application May 13, 1937, Serial No. 142,485
In Germany May 19, 1936
10 Claims. (Cl. 66—90)



1. A flat rib knitting machine substantially for the purpose set forth comprising frame needles, rib needles, a general presser, press instruments, wrap guides, jacquard controlled means, selectively actuating said press instruments and said wrap guides, and means for shifting said jacquard controlled means in different planes.

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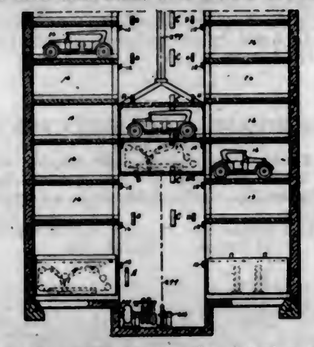
2,120,751

## POSITIVE VEHICLE-STORAGE AUTOMATIC SYSTEM

Robert T. Jenney, Los Angeles, Calif., assignor, by mesne assignments, to Cross Parking Systems, Inc., Chicago, Ill., a corporation of Illinois

Application January 21, 1927, Serial No. 162,534
133 Claims. (Cl. 214—16.1)

2. In a vehicle storage structure, a stall, a vehicle carrier alined with said stall and having means thereon for pushing a vehicle from said carrier into said stall, and means connected to



said vehicle pushing means for drawing a vehicle from the stall onto the carrier.

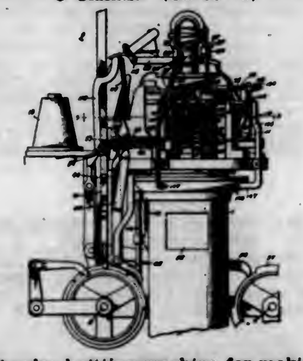
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2,120,752

## CIRCULAR MACHINE FOR KNITTING RINGLESS HOSIERY

Gaither McKinley Jones, Burlington, N. C., assignor to May Hosiery Mills, Inc., Burlington, N. C., a corporation of North Carolina

Application March 21, 1935, Serial No. 12,369
8 Claims. (Cl. 66—8)



1. Circular knitting machine for making ringless hosiery by simultaneously knitting successive courses from yarns derived from separate spools comprising in combination with the known needle drum, annular bank of needles and cooperating sinkers, the main stitching station and means for supplying a basic yarn and a splice yarn to said station; one or more auxiliary stitching stations, a basic yarn guide and a splice yarn guide for presenting a basic yarn and a splice yarn to each auxiliary station, a cam carried by said drum, individual means associated with each splice yarn guide, sequentially operated by said cam in the rotation of said drum, for reciprocating said splice yarn guides to and from operative position once during each rotation of said drum, and means for holding said splice yarn guides out of operation while permitting the basic yarns to be drawn from all stations, and means for withdrawing both said splice yarn-presenting means and basic yarn-presenting means for each auxiliary station out of operative position, and simultaneously obliterating said auxiliary stitching stations.



2,120,753

## SILENCING DEVICE FOR ENDLESS TRACK VEHICLES

Adolphe Kégresse, Paris, France

Application February 13, 1936, Serial No. 63,794
In France March 6, 1935
2 Claims. (Cl. 305—10)



1. In an endless track vehicle with soft endless belts connected to metal tread plates and running on rollers, silencing means comprising a pair of blocks of plastic material interposed between each pair of adjacent tread plates, one of the extremities of each block engaging under an endless belt.

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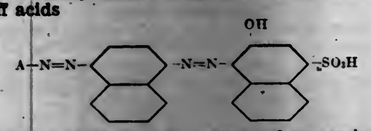
2,120,754

## DISAZO DYESTUFFS AND PROCESS FOR THEIR PREPARATION

Adolf Kreboer, Riehen, near Basel, Switzerland, assignor to the firm J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application April 20, 1937, Serial No. 138,066. In Germany April 29, 1936
8 Claims. (Cl. 260—83)

5. Disazodyestuffs of the formula of the dyestuff acids




wherein A represents the radical of a p-aminodiphenylamine-sulphonic acid, said dyestuffs being black powders, soluble in water to a greenish-blue solution and dyeing wool and silk black shades which do not bronze even in deep shades.

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2,120,755

## BUTYL ESTER COMPOSITIONS

Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application January 9, 1937, Serial No. 119,756
4 Claims. (Cl. 260—103)

1. A neutral ester having the formula:

$$C_4H_9—O—CO—R_1—CO—O—R_2—CO—O—C_4H_9$$

where $R_1$ is a divalent hydrocarbon group, and $R_2$ is a saturated divalent paraffinic hydrocarbon group.

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2,120,756

## METHYL ESTER COMPOSITIONS

Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application January 9, 1937, Serial No. 119,757
5 Claims. (Cl. 260—103)

1. A neutral ester having the formula:

$$CH_3—O—CO—R_1—CO—O—R_2—CO—O—C_2H_5$$

where $R_1$ is a divalent hydrocarbon group, and $R_2$ is a saturated divalent paraffinic, hydrocarbon group.

2,120,757

## PRODUCTION OF A HIGH LUSTER ON DYED FIBERS

Gustav Landauer, Mannheim, Germany

No Drawing. Application April 16, 1936, Serial No. 74,785. In Germany December 2, 1935
4 Claims. (Cl. 19—66)

1. A process for the production of high luster on fibers of the type of coconut fibers, aloe fibers and sisal fibers which have been freed from their imbedding substances, comprising treating said fibers with alkaline liquids to convert said fibers into a spinnable condition, dyeing said fibers, and beating said dyed fibers in a mixing machine provided with beater arms in the presence of small quantities of substances which impart luster by friction to polish said dyed fibers.

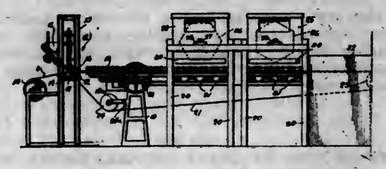
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2,120,758

## METHOD AND APPARATUS FOR PRODUCING ELASTIC KNITTED FABRIC

Harry K. Lea, Johnstown, N. Y., assignor to Kenlea Manufacturing Corp., Johnstown, N. Y.

Application April 20, 1935, Serial No. 17,527
5 Claims. (Cl. 91—8)



3. The method of producing an elastic fabric from a base material and of a composite type having its opposite sides presenting faces differing in appearance with the material of the opposite faces individual to the zone of such face and with the material of one of the face zones free from interconnection with that of the other, said method consisting of first sizing the longitudinal edges of the base material to prevent rolling and stretching of the base material during treatment thereof, applying an adhesive coating to one face of the base material and then applying flocking material to the adhesive coating.

5. Apparatus for producing elastic fabrics including means for applying a rubber cement to one face of the base material from which the elastic fabric is produced, means for applying flocking material to the rubber cement and means for feeding the base material through the apparatus for action by all of said means including endless carriers having means engaged with the edges of the base material to hold the same transversely taut and in the absence of longitudinal stretching tension, the flock applying means including screened cylinders rotatable above the line of travel of the base material, a casing structure supporting each cylinder and means in the casing beneath the cylinder for controlling the feed of flocking material.

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2,120,759

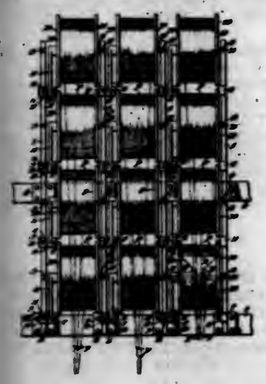
## TEXTILE CREEL

Royal Little, Providence, R. I., assignor to Franklin Rayon Corporation, Providence, R. I., a corporation of Rhode Island

Application July 10, 1936, Serial No. 89,964
8 Claims. (Cl. 242—131)

2. A creel comprising a frame having forwardly inclined stanchions, arms pivotally mounted on

one of the stanchions in vertical spaced relation to swing about horizontal axes, each arm being movable from one side to the other of a vertical plane intersecting its pivotal axis, and spindles



on the arms parallel to the pivotal axes of the arms for rotatably supporting packages, said spindles being engageable with an adjacent stanchion to support a series of the packages in vertical series in offset relationship.

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**2,120,760**
**SUPPORTING SURFACE OF AIRPLANES AND THE LIKE AIRCRAFT**
**Henri Lumiere, Lyon, France**
**Application November 12, 1935, Serial No. 49,407**
**In France January 19, 1935**
**11 Claims. (Cl. 244—91)**

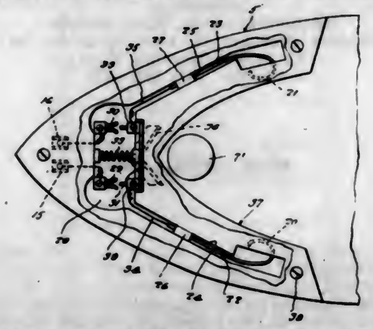


1. An imperforate wing or supporting surface for airplanes or the like adapted to be disposed laterally of the fuselage thereof, including an articulated lift-increasing flap adjacent the fuselage which in open position is disposed at a substantial angle to the direction of travel of the airplane; a second articulated flap carried in the lower surface of the wing spaced inwardly from the tip thereof and closely adjacent the end of the first mentioned flap and having its axis of articulation disposed substantially parallel with the direction of travel of the airplane, said second flap when open being substantially perpendicular to the wing to canalize the air between itself and the fuselage and thereby increase sustentation, and means for opening and closing the said flaps.

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**2,120,761**
**CORDLESS ELECTRIC SADIRON**
**Harry E. Lutton, Waynesburg, Pa.**
**Application June 18, 1936, Serial No. 85,996**
**2 Claims. (Cl. 219—25)**

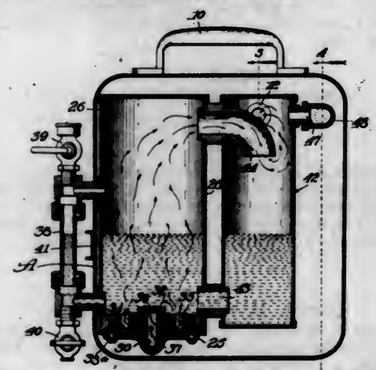
2. In combination, an iron stand including a sadiron receiving trough in its top, and a switch mechanism on said stand comprising a pair of horizontally spaced stationary contacts, a pair of movable contacts engageable with the stationary contacts and normally disengaged therefrom, a V-shaped operating element for the movable contacts positioned horizontally of the trough in the path of the iron and engaged by the point thereof



during a forward sliding movement of the iron along the trough to close the switch.

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**2,120,762**
**INSUFFLATOR**
**Foster G. McGaw, Evanston, Ill., assignor to American Hospital Supply Corporation, a corporation of Illinois**
**Application October 16, 1935, Serial No. 45,842**
**4 Claims. (Cl. 183—22)**

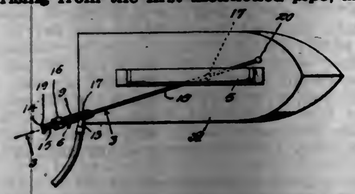


3. In apparatus of the character set forth, a pair of receptacles connected by a liquid connector pipe, an oxygen inlet pipe entering the bottom of one of said receptacles, pressure equalizer means for controlling the flow of oxygen through said inlet pipe, an outlet pipe communicating with the top portion of the second receptacle, and an oxygen overflow pipe extending below said outlet pipe and connecting the top portions of said receptacles, said oxygen overflow pipe having a curving end portion directing the oxygen downwardly in said second receptacle.

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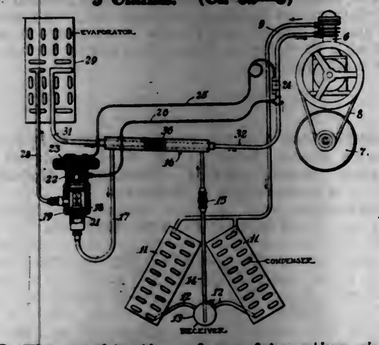
**2,120,763**
**VALVE**
**William V. Moore, Grand Rapids, Mich.**
**Application August 30, 1937, Serial No. 161,700**
**1 Claim. (Cl. 251—137)**

A valve fitting for a steam receiving pressing implement having a chambered body with a flat top and a handle rising from said top, comprising a multiple branch pipe, one branch being fitted to the body at its top for communication with the chamber and the remaining branches disposed above and substantially parallel with the said top, the said remaining branches being angled to each other for lateral projection of one with respect to the body and the diagonal disposition of the other to the top of said body, a slide valve within the diagonally disposed branch and normally closing the laterally directed branch, a steam supply pipe connected with the laterally directed branch, a headed stem forming a part of said valve, a guide eye rising from the first-mentioned pipe, an actuating rod trained through said guide eye for disposition diagonally of the handle with the major portion of said rod underlying the handle, a down-turned yoke formed on the rod next to the stem and abutting the head thereof at the innermost side of the same, a forwardly and upwardly curved grip formed from the rod and disposed adjacent to and forwardly of the foremost end of the handle, and a spring connected with the first-mentioned pipe and to the said stem for urging the valve to closing position.



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**2,120,764**
**REFRIGERATION**
**Alwin B. Newton, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware**
**Application September 25, 1936, Serial No. 102,587**
**5 Claims. (Cl. 62—3)**

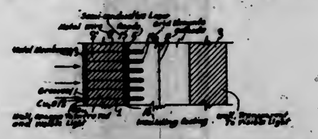



5. The combination of a refrigerating circuit of the compressor, condenser, evaporator circuit type; a heat exchanger arranged to effect transfer of heat from liquid flowing from condenser to evaporator, to refrigerant flowing from evaporator to compressor; and automatic regulating means controlling flow of refrigerant in the circuit and responsive to the pressure and temperature of refrigerant approaching the compressor for ensuring that the exchanger imparts superheat to the refrigerant heated thereby.

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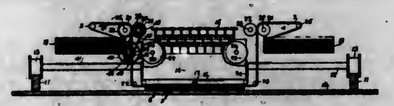
**2,120,765**
**INFRARED RAY VIEWING MEANS**
**Lars Jörgen Orvin, Oslo, Norway**
**Application May 28, 1935, Serial No. 23,931**
**In Norway May 31, 1934**
**22 Claims. (Cl. 250—1)**

1. Apparatus of the kind described, comprising in combination an electrical discharge chamber, two substantially plane electrodes in the said chamber between which there may take place a discharge, means to give the said electrodes suitable potentials for producing such a discharge, an image carrier having a substantially plane surface upon which an image may be projected, means to project an infrared image upon the said surface, means for producing an electric field whose lines of force cut the image plane, a substance or substances in the image carrier in which substance or substances the infrared irradiation will release a number of electrons corresponding to the intensity of irradiation, which electrons are conducted away from the image carrier by influence of the said electric field, a third electrode in the discharge chamber, the projection of which upon a plane in parallel with the first named electrodes consists of elements evenly distributed across the plane, means for connecting the different elements of said third electrode to the corresponding elements of the image carrier in such a way that the said released electrons will effect a charging of the said electrode elements corresponding to the intensity of the infrared irradiation of the different elements of the image carrier, whereby the discharge between the first named electrodes is controlled by means of the third electrode in accordance with the said infrared image, means to conduct away the electric charges from the third electrode, a substance or substances in the discharge chamber in which substance or substances the discharge may produce a visible image corresponding to the infrared image, and means for protecting the image carrier against diffused irradiation from the visible image.



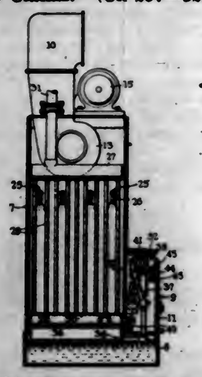
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**2,120,766**
**MANIFOLDING MACHINE**
**William C. Pfeiffer, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio**
**Original application February 5, 1936, Serial No. 62,463. Divided and this application May 22, 1937, Serial No. 144,135**
**5 Claims. (Cl. 197—2)**



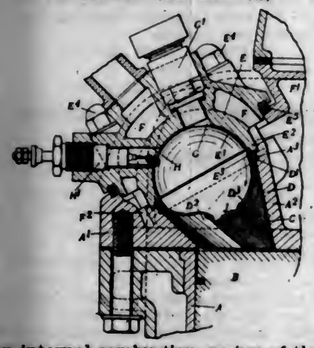
5. In combination, a bed, a typing machine arranged to move over said bed for typing a main record supported on said bed, means for supporting a supplemental record in zigzag folded pack form in a path across said main record, and means responsive to the motion of said typing machine for feeding said supplemental record past the type members thereof, said supplemental record-supporting means being arranged on opposite lateral sides of said typing machine and movable as a unit therewith, said supplemental record strip having a width adapted for receiving a single line only of typed characters and being disposed in the same direction as the line of characters being typed.

**2,120,767**
**REFRIGERATION APPARATUS**
**Francis M. Raver, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware**
**Application May 1, 1937, Serial No. 140,251**
**6 Claims. (Cl. 257—32)**



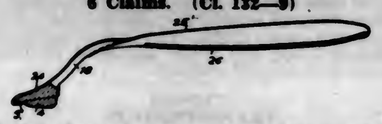
6. The combination of a surface condenser; a liquid cooler of the surface type to which the condenser delivers; means for maintaining a liquid seal between said condenser and cooler whereby the entrance of uncondensed vapor from the condenser to the cooler is prevented; means for circulating air in a stream in heat exchanging relation with the cooler and then with at least a substantial portion of the condenser; means for supplying cooling water and for spraying it into the air as the latter exchanges heat with the cooler; and means for spraying the unevaporated remainder of said water into the portion of the air stream which exchanges heat with the condenser.

**2,120,768**
**COMBUSTION CHAMBER OF INTERNAL COMBUSTION ENGINES OF THE COMPRESSION IGNITION TYPE**
**Harry Ralph Ricardo, London, England**
**Application May 25, 1936, Serial No. 81,777**
**In Great Britain May 30, 1935**
**1 Claim. (Cl. 123—32)**



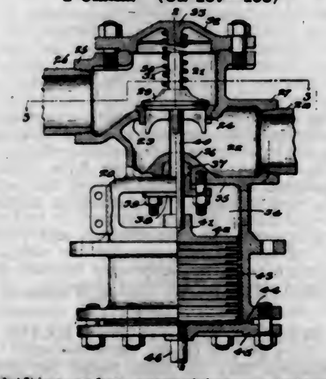
In an internal combustion engine of the liquid fuel injection compression ignition type, a cylinder block, a cylinder bore therein, a wet or water cooled liner set in said cylinder bore; a cylinder head having a conical passage formed therein which terminates at its smaller end in an opening into the bore of the cylinder, said opening lying wholly within the contour of the cylinder liner and thus spaced from the joint between the liner and the cylinder block, said joint being covered by said cylinder head; an externally conical plug situated within said passage so as to be heat-insulated and held against rotation, the smaller end of said plug extending substantially to the plane of the upper end of the cylinder bore, said plug being provided with a passageway; a hollow, cap-like member which fits and is fixed on to the outer end of the said conical passage, the said cap with the adjacent end part of the said plug forming between them a combustion chamber communicating with the cylinder by means of the passageway through the said plug in such manner that at the end of the compression stroke the air charge is caused to rotate in an organized manner within said chamber; and a fuel injection device situated within said chamber.

**2,120,769**
**DEVICE FOR CLEANING AND SHAMPOOING THE SCALP**
**Ernst Rychner, Zurich, Switzerland**
**Application January 29, 1936, Serial No. 61,434**
**In Switzerland January 29, 1935**
**6 Claims. (Cl. 132—9)**



1. In a device for cleaning and shampooing the scalp, a fork-like implement, tines on said implement having hollows opening downwardly towards the scalp, and flat scalp treatment members of liquid absorbent material each pushed into self-supporting interengagement with the working end of one of said hollow tines so as to project with their lower edges downwardly from said tine working ends.

**2,120,770**
**DRIFTING VALVE FOR LOCOMOTIVES**
**Charles Stern, Jersey City, N. J., assignor to Ardco Manufacturing Company, Hoboken, N. J., a corporation of Delaware**
**Application July 24, 1934, Serial No. 736,751**
**1 Claim. (Cl. 137—153)**



A drifting valve, comprising an integral one piece casing having an intermediate horizontal wall therein providing upper and lower chambers, a second horizontal partition in said upper chamber providing opposed fluid compartments, a spring pressed valve mounted for guiding movement through the second partition for controlling communication between the fluid compartments, the lower chamber having an interior smooth bearing wall, an expansible bellows mounted coaxial with said valve and for vertical guiding movement in the lower chamber and having an outstanding ring on its lower end and a head on its upper end, a cap plate clamped on the lower end of the casing, said bellows ring engaging between the lower end of the casing and said cap plate for anchoring the bellows at its lower end, a stem slidably sealed through said first horizontal wall and engaging said valve at its upper end, a plate slidable in said lower chamber and engaging against the inner side of said bellows head, a socket carried by said plate, said stem being loosely and removably seated at its lower end in said socket and disposed coaxially with the valve and the bellows to transmit movement therebetween, and means carried in said cap plate for admitting fluid under pressure to the bellows for expanding the same and opening the valve.



**2,120,771**
**ELECTRIC LEVEL INDICATOR**
**George A. Thompson, Chicago, Ill.**
**Application August 14, 1934, Serial No. 739,798**
**1 Claim. (Cl. 201—55)**



A variable resistor comprising a panel, an annular form secured to the panel, a resistance element disposed circumferentially on the form, a block secured to the panel and having a stud shaft extending therefrom, a pendulum arm having a hollow hub, a weight at the lower end of the arm, a contactor at the upper end of the arm, a bearing in the hollow hub, said contactor consisting of a block secured to the arm and having a pocket therein, a roller contact, a mount for the roller contact, said pocket having a groove therein disposed longitudinally, a shank on the mount having a rib slidably disposed in the groove, and a spring in the pocket between the lower end thereof and the inner end of the shank for forcing the contactor outwardly so that the roller will tensionally bear against the resistance element.

**2,120,772**
**PUMP**
**Burt C. Williamson, La Verne, Calif.**
**Application August 9, 1935, Serial No. 35,541**
**12 Claims. (Cl. 103—46)**

1. A pump of the class described comprising a casing, a cylinder within said casing, a mechanically operated piston head operable within said cylinder, a piston rod supporting said piston head and extending below said head, a housing comprising a pair of non-communicating compartments adapted to contain hydraulic pressure, said piston rod fitting in one compartment, a second piston rod slidably mounted within the other compartment of said housing below said first mentioned piston rod, by-pass means forming a communication between the first mentioned compartment and the second mentioned compartment at a point below the second mentioned piston rod, a second piston head carried by said second piston rod and located below said first mentioned piston head within said casing, a second housing for receiving the opposite end of said second piston rod located below said first mentioned housing, by-pass tubes forming a communication between said housings for transmitting hydraulic pressure from one housing to the other as said first mentioned piston rod is reciprocated, and valves formed in each piston for permitting the passage of liquid through the pistons in an upward direction as the pistons are reciprocated.



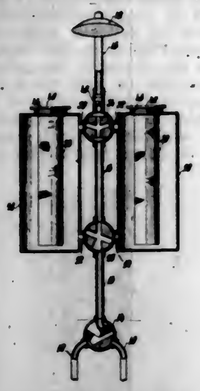
**2,120,773**
**COLORED ROOFING GRANULES AND METHOD OF MAKING THE SAME**
**Stephen G. Wright, Chicago, Ill.**
**No Drawing. Application February 7, 1936, Serial No. 62,873**
**10 Claims. (Cl. 91—70)**

3. A roofing granule comprising a rock granule having firmly affixed upon its surface a heat-stable pigment attached to the granule by a binder produced by the interaction of boric acid and a sodium oxide compound capable of reacting with boric acid to produce borax upon the granule.

**2,120,774**
**SHOWER BATH**
**Max J. Belmont, New York, N. Y.**
**Application August 21, 1936, Serial No. 97,096**
**8 Claims. (Cl. 299—84)**

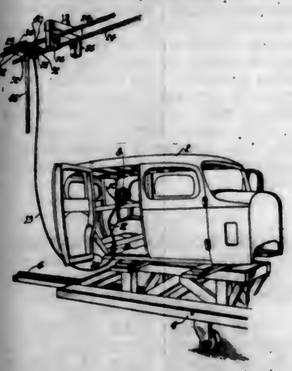
5. In a shower bath, the combination comprising a source of water supply, spray means, means for conducting water from said source to said spray means, means to by-pass a predetermined amount of said water and having a plurality of chambers therein, means for supporting soluble material in said chambers, and means

for passing water through one of said chambers at an increasing rate of flow and for simultaneously passing water through the other of said chambers at a different rate of flow.



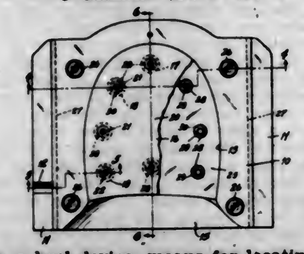
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**2,120,775**
**COMBINED TROLLEY AND EXTENSION LAMP**
**Leonard R. Bogardus, Grosse Pointe Farms, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan**
**Application April 20, 1934, Serial No. 721,455**
**4 Claims. (Cl. 240—2)**



1. In combination with conductor means having a plurality of spaced electrified overhead rails provided with upper track surfaces, of an electric power take-off means comprising a plurality of spaced contact members for straddling and engaging said track surfaces, said members having depending ends preventing their horizontal displacement from said engaged track, a plate on which said members are mounted, an extension cord means associated with said contact members and said plate for conveying electrical power from said members and for moving said plate along said track surfaces, and a depending handle fixed to said plate means between said contact members, said handle providing means for handling said plate to apply or remove said contact members relative to said rails.

**2,120,776**
**HEEL NAILING DEVICE**
**Glenn B. Britten, Hannibal, Mo., assignor to International Shoe Company, St. Louis, Mo., a corporation of Delaware**
**Application March 2, 1936, Serial No. 66,519**
**5 Claims. (Cl. 1—32)**



1. In a heel device, means for locating a heel having washers therein and spaced from the tread surface thereof, a guide device associated with the locating means, said guide device having means thereon to reduce the distance from the washers to the tread surface portions therebeneath when the heel is located against the same, said last-named means having holes therein to receive and direct nails being driven into the heel and through the washers.

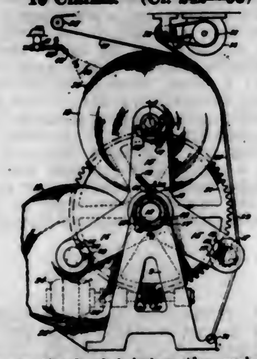
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**2,120,777**
**FOOD PRODUCT**
**David Dalsey, Chicago, Ill.**
**No Drawing. Application June 3, 1936, Serial No. 83,221**
**7 Claims. (Cl. 99—207)**

1. A method comprising shredding a raw tuber and removing a major portion of the juice therefrom, drying the shreds in such manner as not to destroy the coarse physical character thereof, combining the extracted juice with a quantity of similar tuber material which has been cooked and drying said mixture, and combining with the product of the last mentioned step said dried shreds.

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**2,120,778**
**METHOD OF SUPPLYING PAPER TO PRINTING PRESSES**
**John A. Dunlap, Chicago, Ill., assignor to Allan J. Cline, Chicago, Ill.**
**Application August 24, 1931, Serial No. 559,112**
**10 Claims. (Cl. 242—58)**

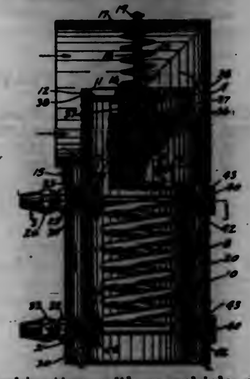


2. The method of joining the webs of successive rolls of paper supplying a printing press, which consists in bringing a new roll having dry adhesive applied to the web thereof up to desired speed through the action of the running web thereon, and moistening said adhesive while said new roll is rotating, whereby the adhesive is caused to adhere to the expiring web thus connecting the new web thereto without stopping the press.



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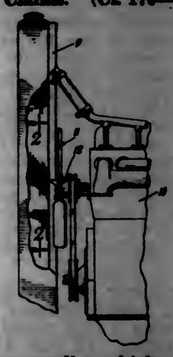
**2,120,779**
**FUEL COOLING DEVICE**
**George R. Ericson, Kirkwood, Mo.**
**Application June 15, 1937, Serial No. 148,319**
**7 Claims. (Cl. 123—170)**



1. In combination with a vehicle engine, an intake conduit, a source of fuel, a conduit for conducting fuel from said source to the engine, and a fuel cooling device comprising a container having a porous covering, and means for feeding liquid from said container to said porous covering to keep said covering in a damp condition, said cooling device being mounted adjacent said fuel conduit and in a position to be exposed to draft generated during operation of the vehicle to facilitate evaporation of liquid from said covering.

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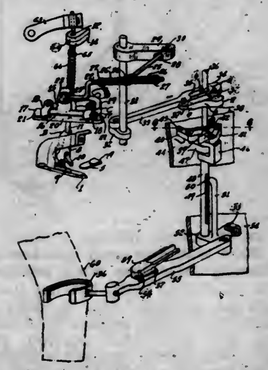
**2,120,780**
**FAN**
**Walter A. Geise, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware**
**Application January 20, 1934, Serial No. 707,493**
**3 Claims. (Cl. 170—159)**



1. A screw propeller which consists of more than three substantially identical blades of which each differs in pitch and is spaced angularly around the axis of rotation of the propeller from each of the others, so disposed that they rotate in substantially the same plane and are arranged around the axis of rotation of the propeller in numerical order with respect to the values of their pitches.

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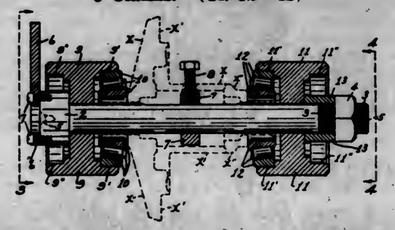
**2,120,781**
**SIDE-LASTING MACHINE**
**William F. Green, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri**
**Application September 9, 1935, Serial No. 39,695**
**5 Claims. (Cl. 12—2)**



1. In a side-lasting machine, in combination, nailing-means, a pulling over means suspended for swinging movement, a yoke, a carriage having engagement with the pulling over means and shiftable in the yoke for swinging the pulling over means from one side to the other of the nailing-station for locating the pulling over means for lasting on either side of the nailing means, and means for effecting shifting movement of the carriage relatively to the yoke, said means including a cam shiftable to respective operative positions and a ratchet and pawl mechanism for actuating the cam.

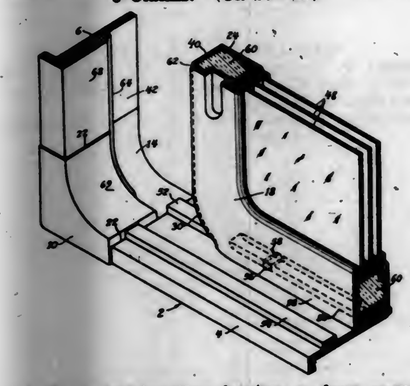
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**2,120,782**
**ARBOR ATTACHMENT FOR LATHES**
**Harold Henwood, Centerville, Ind.**
**Application September 1, 1937, Serial No. 161,909**
**6 Claims. (Cl. 82—42)**



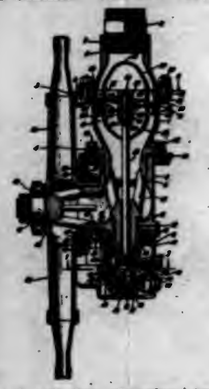
1. In an arbor attachment for lathes, a central shaft, a pair of spaced-apart collars slidably positioned on said shaft, a bearing positioned in each of said collars, with the bearings providing a means for maintaining a body in concentric relation with said central shaft.

2,120,783
**SLIDING DOOR AND FRAME CONSTRUCTION**
Cyrus F. Hoffman, Trenton, N. J., assignor to C. V. Hill & Company, Incorporated, Trenton, N. J., a corporation of New Jersey
Application December 18, 1937, Serial No. 180,568
6 Claims. (Cl. 20—19)



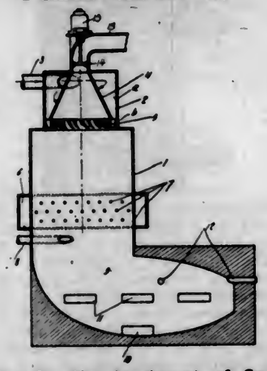
1. In a construction having a door opening therein, a door frame in said opening provided with a vertically extending jamb portion and a horizontally extending track portion joined by a rounded corner portion, and a door slidably movable along said track portion into and out of engagement with said jamb portion, said door having the lower corner thereof rounded to fit closely adjacent the rounded corner portion of said frame when said door is in closed position.

2,120,784
**APPARATUS FOR WASHING TANKS AND THE LIKE**
Werner T. Howald, Brooklyn, N. Y.
Application June 18, 1935, Serial No. 27,148
3 Claims. (Cl. 299—67)



1. A spray head for cleaning tanks and the like, comprising a main feed conduit, a secondary feed conduit rotatably mounted thereon, a nozzle member mounted on said latter conduit, a liquid motor, including a rotor member, having a series of driven blades, mounted in one of said feed conduits and directly interposed in the path of the washing liquid flowing to the nozzle member, an intermediate worm gear and ratchet mechanism interposed between said liquid motor and said nozzle member for effecting step-by-step rotation of the nozzle member at an extremely slow speed as compared with the speed of rotation of said rotor member, said liquid motor serving to either itself drive the nozzle member or else cooperate with said worm gear and ratchet mechanism to maintain a substantially uniform speed of rotation of the nozzle member, when the reactance of the liquid being discharged therefrom might tend to otherwise cause the speed of the nozzle member to fluctuate, and a deflector element positioned above said rotor member and having a peripheral series of blades arranged to discharge liquid at an angle to the vertical axis of the spray head and against the blades of the rotor member.

2,120,785
**FURNACE FOR TREATING PULVERULENT MATERIALS**
Eugène Camille Saint-Jacques, Paris, France
Application March 4, 1936, Serial No. 67,137
In France March 12, 1935
1 Claim. (Cl. 266—29)

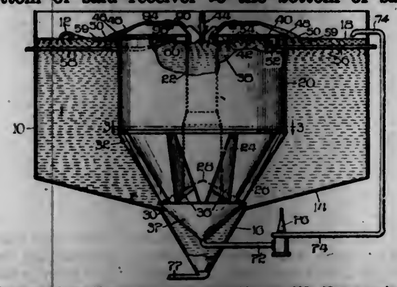


Apparatus for the treatment of finely comminuted metalliferous particles comprising a cylindrical fluxing chamber, a cylindrical distributor having a smaller diameter than that of the fluxing chamber for tangentially projecting the particles in the top of said fluxing chamber whereby the particles take a downwardly swirling motion in the fluxing chamber, an annular chamber around the fluxing chamber in the bottom portion thereof, means for introducing combustion air into this latter chamber, apertures in said air chamber for establishing communication with the inside of the fluxing chamber, a burner opening tangentially into the fluxing chamber and disposed below the annular air chamber, a reverberatory furnace directly connected to the bottom of the fluxing chamber and into which the particles are received, means for supplying heat to said furnace whereby the fluxed particles are melted and maintained in a fluid condition, discharge openings in said furnace for the molten particles, the cylindrical distributor being provided with an axial opening at its top, and a fan connected to said opening for creating a suction in the inside of the fluxing chamber.

2,120,786
**TREATMENT OF SEWAGE**
John G. Jerdan, Chicago, Ill.
Application August 2, 1935, Serial No. 34,312
16 Claims. (Cl. 210—8)

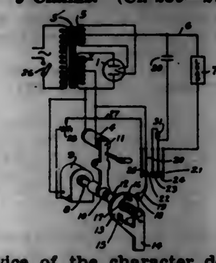
1. Sewage treating equipment comprising, in combination: a receiver having a bottom; a draft tube coaxial with said receiver, means for lifting liquid from the top of said tube, aerating it and returning it to the top of said receiver, whereby a slow flow is set up radially inward from the bottom of said receiver to the bottom of said





tube; and wall means cooperating with the central portion of said receiver bottom to define a relatively stagnant setting chamber having an annular inlet, said inlet lying at the bottom of the path of the liquid flowing inwardly toward the bottom of said tube.

2,120,787
**TIME DELAY DEVICE**
Gunne Lowkrantz, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 1, 1936, Serial No. 113,620
9 Claims. (Cl. 250—27)



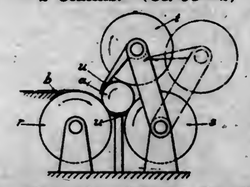
1. A device of the character described comprising, in combination, a thermionic tube comprising cathode and anode elements and circuits therefor, means to energize the cathode circuit, a load circuit, control means comprising cam operated contacts, and means to operate said contacts after energization of the said cathode circuit for a predetermined timed interval thereby connecting the said load circuit to the anode circuit.

2,120,788
**WINDOW SASH FASTENER**
Joseph A. Riccelli, Somerville, Mass.
Application November 15, 1937, Serial No. 174,577
2 Claims. (Cl. 292—251)



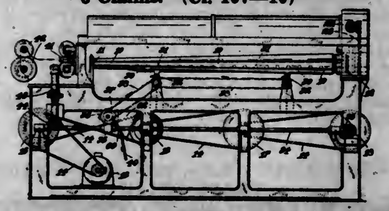
1. A window sash fastener comprising, in combination, a plate, means to rigidly fasten said plate to a window sash, a holder pivotally attached to said plate and normally obscuring said fastening means for said plate, means to prevent a rotative movement of said holder upon the plate, and a locking bolt mounted in the holder and adapted to engage another window sash and lock said sashes one to another.

2,120,789
**METHOD OF PACKING DISKS IN PILES AND DISCHARGING THE PACKETS OBTAINED**
Gunnar Rooth, Linkoping, Sweden
Application November 11, 1935, Serial No. 49,223
In Sweden November 16, 1934
2 Claims. (Cl. 93—2)



1. The method of packing sealing disks for bottle cap shells, which method consists in placing a tube containing juxtaposed disks upon a continuously rotating support thereby imparting a rolling movement to said tube and disks, removing the tube to expose the rolling disks, introducing a wrapper about the rolling disks between the latter and the rotating support and removably pressing the wrapper against the rolling disks beyond the support to produce a tightly wound cartridge for introduction into a tubular magazine.

2,120,790
**APPARATUS FOR DRAWING PLASTIC MATERIAL**
Alfred German Rose, Gainsborough, England, assignor to Rose Brothers, (Gainsborough) Limited, Gainsborough, England, a British company
Application November 16, 1937, Serial No. 174,891
In Great Britain November 17, 1936
6 Claims. (Cl. 107—10)

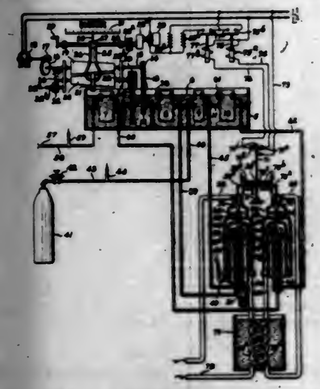


1. A batch rolling machine of the type described comprising in combination, a plurality of rotatable batch rollers located in proximity with their axes extending in the same general direction to form a tapering cradle for the reception of the batch, a propelling device in the form of a carrier located on the underside of the cradle and mounted for movement between batch rollers, and means for moving the carrier upwardly to lift the batch and longitudinally to carry it towards the smaller end of the cradle.

2,120,791
**METHOD OF AND APPARATUS FOR DETERMINING THE HEATING VALUE OF COMBUSTIBLE GASEOUS FLUIDS**
Edwin X. Schmidt, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application December 12, 1934, Serial No. 757,100
12 Claims. (Cl. 73—190)

1. The method in calorimetry, which comprises effecting combustion of an initially volumetri-

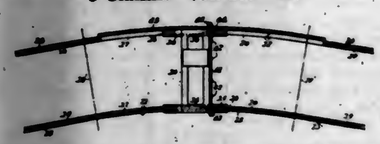
cally constant continuous flow of combustible fluid in the presence of a volumetrically proportional flow of fluid adapted to support combustion thereof, continuously ascertaining the instantaneous heating effect produced by such combustion, simultaneously effecting combustion of a continuous and volumetrically constant proportional flow of a combustible fluid of known heating value per unit volume in the presence of a volumetrically proportional flow of fluid adapted to support combustion of the latter, continuously ascertaining the instantaneous heating effect produced by such last mentioned combustion, maintaining the products of the first mentioned



and last mentioned combustions separate from each other, utilizing a single separate flow of fluid for continuously ascertaining the differential value of the heating effects aforementioned, varying the volumetric proportionality between said flows of combustible fluids in accordance with and to compensate for variations in said differential value of the instantaneous heating effects aforementioned, whereby said differential value is maintained substantially constant, and utilizing the value of the variations in such volumetric proportionality as a continuous measure of the heating value per unit volume of said first mentioned combustible fluid.

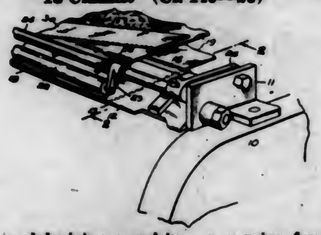
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**2,120,792**
**CRANE DRIVE**
**George W. Yanney, Alliance, Ohio, assignor to The Alliance Machine Company, Alliance, Ohio, a corporation of Ohio**
**Application June 17, 1936, Serial No. 85,708**
**8 Claims. (Cl. 105—29)**



1. The combination with a crane having supporting wheels spaced axially from each other and adapted to traverse track rails having a curve therein, of means for driving the crane along the rails, including means for driving the end of the crane on the outside of the curve at a linear speed greater than that of the end of the crane on the inside of the curve whereby to maintain the crane in a truly radial position at all times while traversing the curve.

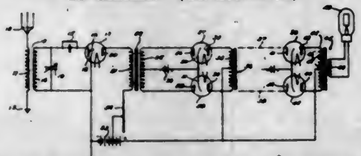
**2,120,793**
**DEHAIRING MACHINE**
**Jacob Zabel, Newark, N. J.**
**Application August 2, 1934, Serial No. 738,697**
**13 Claims. (Cl. 149—26)**



1. In a dehairing machine, a carrier for moving a pelt, and guiding means supporting one end of the carrier and having an edge over which the carrier and pelt make a sharp turn to cause the stiff hairs to stand out from the softer fur on the pelt, a roller carried in the underside of the guiding means back of the edge thereof to hold the carrier away from the edge after passing about the latter and spring pressed resilient means operating adjacent the edge of the guiding means and in advance of the point of operation of the said roller, to press the pelt against the carrier just before the pelt passes about the said edge.

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**2,120,794**
**BALANCED AMPLIFIER CIRCUIT**
**Arno Zilliger, Narberth, Pa., assignor to National Television Corporation, Wilmington, Del., a corporation of Delaware**
**Application July 26, 1933, Serial No. 682,209**
**13 Claims. (Cl. 179—171)**



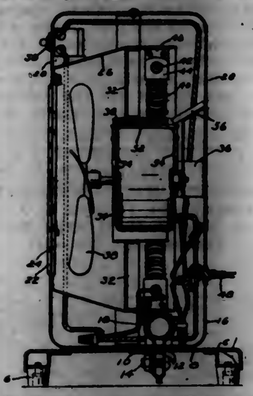
13. An amplifier comprising a thermionic tube having a cathode and an anode, and a load circuit including an energy transferring device connected between said cathode and anode, the impedance of said load circuit from the electrical midpoint of said energy transferring device in either direction to said cathode being substantially the same.

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**2,120,795**
**HEATER**
**Donald D. Boothby, Chicago, Ill., assignor to Air Devices Corporation, Chicago, Ill., a corporation of Delaware**
**Application March 3, 1937, Serial No. 128,709**
**8 Claims. (Cl. 219—39)**

5. A heater comprising a hollow casing having an air inlet opening in its back and an air outlet opening in its front, an annular shell in the casing secured to the casing front around said air outlet opening with its rear edge spaced from the back of the casing, said casing having a second air inlet opening in its front between said shell and the casing periphery, a motor mounted centrally of said shell at the rear part thereof, a fan in said shell adjacent the front thereof and driven by said motor, a second annular shell around the motor and spaced therefrom to form a passage for air to cool the motor, and heating means in the annular space between said two shells.





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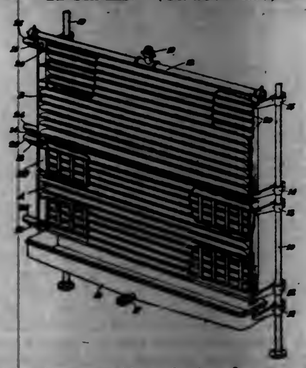
**2,120,796**
**KNITTING MACHINE**
**Benjamin F. Cello, Athens, Ga., assignor of one-half to Paul Keller, Athens, Ga.**
**Application June 2, 1937, Serial No. 146,142**
**10 Claims. (Cl. 66—107)**



1. In a knitting machine, a web-holder ring having radial slots for receiving the web holders, said ring having an annular groove adjacent the inner ends of said slots, and a lubricating wick arranged in said groove.

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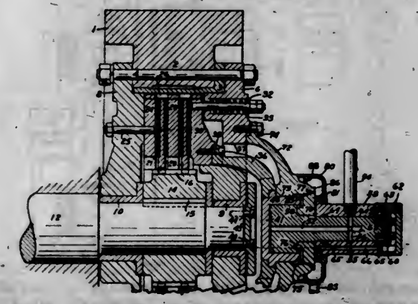
**2,120,797**
**HEAT EXCHANGE DEVICE**
**Fritz G. Cornell, Jr., Mountain Lakes, N. J., assignor to Jensen Creamery Machinery Company, Inc., Bloomfield, N. J., a corporation of New York**
**Application December 21, 1935, Serial No. 55,514**
**11 Claims. (Cl. 257—137)**



10. An attemperating device for use with refrigerant such as ammonia to afford maximum refrigerant boiling surface exposure to the product being cooled with a minimum travel of developing refrigerating gases between the points of liquid refrigerant inlet and gas outlet, said device comprising co-operating plates, one plate having offset portions defining a plurality of horizontal channels at different elevations, and a series of reinforcing elements extending between said plates transverse to said channels and fastened to said plates between successive offset portions, said elements being so spaced as to furnish orifices positioned to provide for a minimum length of gas travel.

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**2,120,798**
**HYDRAULIC CLUTCH**
**William W. Criley, Cleveland, Ohio**
**Application March 9, 1936, Serial No. 67,856**
**11 Claims. (Cl. 192—85)**



2. In a clutch of the character described, a driving member, a co-axial driven shaft, frictional disks alternately splined to said driving member and said shaft, an outwardly facing cylinder having an external circumferential extending slide surface, a carrying member having an inner surface embracing said circumferentially extending surface of the cylinder and forming an oil seal therewith and having a piston engaging portion, said cylinder and carrying member being relatively movable axially, a piston in said cylinder and having a shoulder abutting against said portion to prevent axial movement of the piston, said piston having a passage leading to its inner end for conducting liquid under pressure to move said cylinder.

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**2,120,799**
**METALLIZED ORANGE TO BROWN AZO DYES**
**Moses L. Crossley, Plainfield, and Lincoln M. Shafer, Highland Park, N. J., assignors to The Calco Chemical Company, Inc., Bound Brook, N. J., a corporation of Delaware**
**No Drawing. Application August 3, 1935, Serial No. 34,598**
**19 Claims. (Cl. 260—11)**

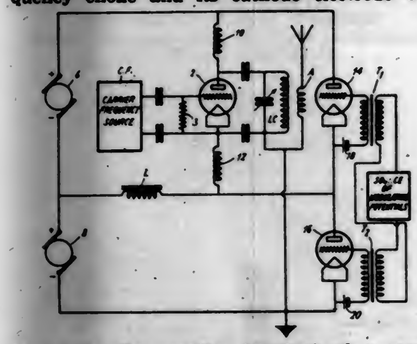
1. A method of preparing metallized dyes which comprises diazotizing an orthoamino nitrophenol and coupling in weak acid solution, (having a pH of approximately 3.6 to 6) with a phenyl methyl pyrazolone and then treating the azo dye obtained with a compound of a metal capable of metallizing the dye.

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**2,120,800**
**TRANSMITTER**
**William Theodore Ditcham, London, England, assignor to Radio Corporation of America, a corporation of Delaware**
**Application March 25, 1936, Serial No. 70,751**
**In Great Britain March 27, 1935**
**3 Claims. (Cl. 179—171)**

1. A carrier wave modulation circuit arrange-

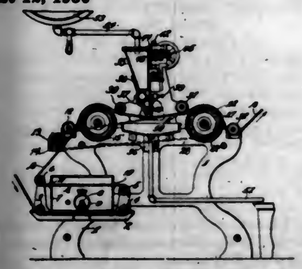
ment comprising a carrier frequency tube stage, a source of direct current potential connected to apply anode potential between the anode and cathode electrodes of said tube stage, a low frequency choke interposed in said connection between the negative terminal of said source and said cathode electrode, a modulating tube stage having its anode to cathode impedance connected in a circuit extending from the anode electrode of said carrier tube stage to the end of said low frequency choke remote from said source, a second modulating tube stage having its anode electrode connected to said end of said low frequency choke and its cathode electrode con-



nected to the negative terminal of a second source of direct current potential whose positive terminal is connected to the negative terminal of the first mentioned source, means for taking modulated carrier energy from the anode circuit of the carrier frequency tube stage, means for confining carrier energy to the carrier frequency circuits of said carrier frequency stage, and means for applying modulating potentials to the grid circuits of both of said modulating tube stages, said potentials being applied in such sense and said modulating stages being so biased that each of said modulating stages is responsive only to a different half wave of the input modulating waves.

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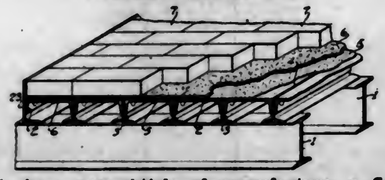
**2,120,801**
**METHOD OF TREATING PILE FABRICS**
**Albert W. Drobile, Wayne, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware**
**Original application March 7, 1930, Serial No. 433,907. Divided and this application November 26, 1934, Serial No. 754,817. In Canada August 12, 1930**



1. In the manufacture of pile fabric having pile tufts looped over the wefts of a backing, the steps which include forming a layer of substantially uniform thickness of a low viscosity aqueous binder material prior to the application of such material to the fabric, applying such pre-formed layer of aqueous binder material to a concavely bent surface section of a freely suspended taut section of said fabric, forcing a portion of said binder material into said back, scraping off the free excess on the surface of the ground, and solidifying the binder material in the back.

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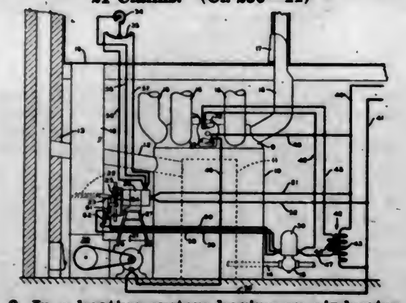
**2,120,802**
**FLOOR SUPPORTING STRUCTURE**
**Louis Fecht, Trenton, N. J.**
**Application May 10, 1933, Serial No. 670,292**
**7 Claims. (Cl. 189—34)**



1. As a new article of manufacture, a floor structure for bridges and like purposes comprising a plurality of standard rolled channel members arranged with the exterior surfaces of their flanges closely adjacent one to another and the exterior surfaces of their webs all in substantially one and the same plane forming the upper surface of the structure so assembled, said channel members being combined with a plurality of straight metal members each one of which is confined between two adjacent flanges of said channel members but projects beyond the free edges of said flanges, together with means for rigidly fastening together said flanges and intervening strips in relative positions such that the upper edge of each strip shall be slightly below the plane of the upper surfaces of the webs of said channel members, thereby forming a plurality of slots in the upper surface of the structure into which any plastic composition applied to such upper surface may penetrate to form keying means thereto.

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**2,120,803**
**HEATING SYSTEM**
**Arthur C. Grant, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware**
**Application February 4, 1935, Serial No. 4,866**
**21 Claims. (Cl. 236—11)**



2. In a heating system having an air heater, a duct for conveying heated air to a space to be heated and a return duct for returning air to the heater, the combination of means for circulating air through the heater and ducts, a damper in the return duct for controlling the rate of circulation of air, means responsive to heater temperature for placing the circulating means in operation, and means responsive to space temperature for controlling said damper.



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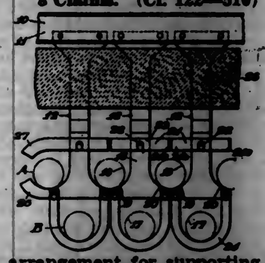
**2,120,804**
**CYLINDER DETECTOR SPARK PLUG**
**George Hantjopoulos, New York, N. Y.**
**Application October 26, 1937, Serial No. 171,011**
**2 Claims. (Cl. 123—169)**



1. In a spark plug of the type having a metallic shell, with an insulating member extending through the central part thereof, and having spark creating points at the inner end, with one mounted on the shell and the other extending from the end of the insulating member; circuit closing means on said plug, said plug having an opening or passage extending through the body thereof and communicating with the said circuit closing means.

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**2,120,805**
**TUBE SUPPORT**
**Arthur R. Houser, Whiting, and Jesse C. Ducommun, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana**
**Application December 16, 1936, Serial No. 116,066**
**3 Claims. (Cl. 122—510)**



2. An arrangement for supporting a plurality of vertically disposed rows of spaced tubes in a furnace, comprising a socket-like support for non-rotatably receiving the upper ends of a plurality of substantially flat hanger bars in a plane transverse to the tubes, the lower end of each hanger bar having opposed outwardly extending protuberances cooperating with corresponding protuberances on adjacent hangers for carrying two tubes of the topmost row, each holder having additional readily removable pendent means for supporting a tube of the next lower row of tubes, said upper end of said hanger extending a distance above the lower edge of said support when in attached position which is not greater than the distance from the under side of said hanger to the said tube of the next lower row of tubes, whereby said hanger is made independently removable without disturbing any of the tubes by first detaching it from its support and removing said last named pendent supporting means, then lowering said hanger until its top edge clears the bottom of its support to thus permit rotation of said hanger about its vertical axis to withdraw said protuberances from under the two tubes supported thereby and to bring the same into parallel relation with said tubes and then lowering said hanger between said tubes to thus remove it.

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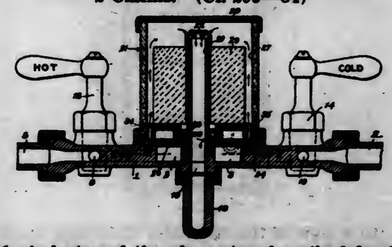
**2,120,806**
**METHOD FOR MAKING POINTS FOR THE ENDS OF RODS AND THE LIKE**
**Adolf W. Keuffel, Montclair, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey**
**Application May 23, 1934, Serial No. 727,051**
**6 Claims. (Cl. 29—148.2)**



3. The method of making a hard point for poles comprising forming a solid pointed shoe part of high carbon steel having a tubular portion remote from the point, inserting the tubular portion thereof in a tube of low carbon steel and swaging the parts to a shape tapering toward the point.

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**2,120,807**
**DEVICE FOR SOAPING FLOWING WATER**
**William Kundel, Hoboken, N. J., assignor of one-half to Joseph Parisi, Jersey City, N. J.**
**Application June 29, 1937, Serial No. 150,944**
**2 Claims. (Cl. 299—84)**




1. A device of the character described for liquids formed with a body having a compartment open at the top, a closure plate for closing said compartment, a rotatable soap supporting member carried by said closure plate, said closure plate having an aperture opening into said compartment arranged at an angle to the plane of rotation of said soap supporting member, said rotatable soap supporting member being formed with pockets in the lower face thereof presenting impelling buckets positioned so that liquid passing through said aperture in said closure plate will strike the walls thereof and rotate said soap supporting member, a tube carried by said body and extending through said closure plate and said soap supporting member, said tube being open at the top and bottom, means enclosing said tube and said soap supporting member presenting a container, a tubular swinging outlet member posi-

tioned with one end in registry with the bottom end of said tube, said body being formed with a hot liquid inlet passageway for said compartment and a cold liquid inlet passageway for said compartment, and a valve member for each of said passageways for controlling the flow of liquid through the respective passageways.

### 2,120,808
### CYCLIC BIGUANYL SULPHONIC ACIDS

Hans Z. Lecher, Plainfield, N. J., assignor to The Calco Chemical Company, Inc., Bound Brook, N. J., a corporation of Delaware

No Drawing. Application February 21, 1936, Serial No. 65,061
14 Claims. (Cl. 260—125)

6. A process for making biguanyl sulphonic acids which comprises bringing about reaction between dicyandiamide and a hydroxyl free amino sulphonic acid of a cyclic radical of aromatic character, the reaction taking place in acid aqueous medium.

11. As new products, substances belonging to the group consisting of aromatic biguanyl monosulphonic acids, their salts with acids and their salts with bases, the sulphonic acids having the formula:

$$H_2N-C(=NH)-NH-C(=NH)-NH-RSO_3H$$

in which R is an aromatic nucleus free from hydroxyl and from amino groups.

### 2,120,809
### MOVABLE CHANGEABLE ELECTRIC SIGN

Jacob Matlow, Brooklyn, N. Y.

Application November 9, 1937, Serial No. 173,573
9 Claims. (Cl. 40—52)



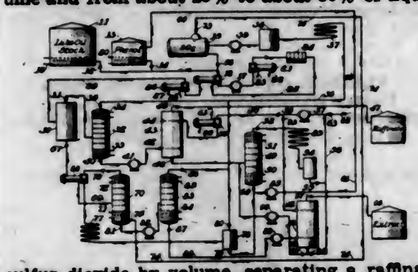
1. In a sign of the character described, a slide having a frame, means on the slide presenting sign members, a bifurcated structure extending from said frame, a pin sliding in said bifurcated structure, a swinging lever for moving said pin, bifurcated structure and said slide back and forth, a cam actuating said lever for causing said slide to dwell after each movement, and means for continually moving said cam when the sign is in operation.

### 2,120,810
### SOLVENT FRACTIONATION

George L. Parkhurst, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application July 31, 1933, Serial No. 682,919
2 Claims. (Cl. 196—13)

1. A process for the solvent fractionation of hydrocarbon mixtures comprising contacting 100 volumes of said mixture with from 50 volumes to 1000 volumes of a solvent mixture comprising from about 20% to about 75% of phenol by volume and from about 25% to about 80% of liquid



sulfur dioxide by volume, separating a raffinate fraction and an extract fraction and removing solvent from at least one of said fractions by stripping with sulfur dioxide gas.

### 2,120,811
### METHOD FOR THE PREPARATION OF COMPOUNDS OF THE BENZIDINE SERIES

George H. Richards, Buffalo, N. Y., assignor to National Aniline and Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application March 27, 1935, Serial No. 13,281
6 Claims. (Cl. 260—130.5)

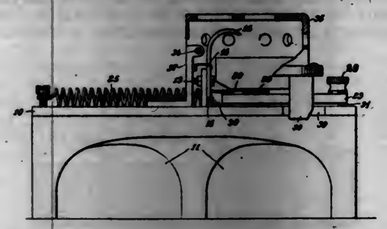
5. In a method for the preparation of a salt of a benzidine compound involving rearrangement of a hydrazo compound wherein said hydrazo compound in an inert liquid medium is reacted with an acid adapted to convert said hydrazo compound to a benzidine salt soluble in said inert liquid medium, the improvement which comprises reacting said hydrazo compound in said inert liquid medium with an amount of said acid only sufficient to convert a part of the entire amount of said hydrazo compound to said benzidine salt, thereby producing a slurry composed of said hydrazo compound and a solution of said benzidine salt in the inert liquid medium, and adding to the slurry an acid capable of reacting with said benzidine salt to form a benzidine salt insoluble in said inert liquid medium whereby the soluble benzidine salt is converted to insoluble benzidine salt and the first-mentioned acid is regenerated and converts further quantities of the hydrazo compound to the corresponding benzidine salt, and regulating the addition of said last-mentioned acid so that the reaction mixture contains throughout practically the entire reaction period sufficient of said soluble benzidine salt to react with all of said last-mentioned acid present.

### 2,120,812
### ANIMAL TRAP

Edward S. Rinaldy and Adam Schaefer, Chester, N. J.

Application June 26, 1937, Serial No. 150,452
10 Claims. (Cl. 42—85)

1. An animal trap, comprising a support having an opening through which the head of the animal must pass to reach the bait, the opening over a portion being bordered by a fixed jaw member, a lever fulcrumed to the support for movement in the plane of said fixed jaw member across said opening and having a jaw portion for juxtaposition to the fixed jaw member, said lever having also an extension at the jaw end terminating in a detent, a trigger element pivotally carried by the support, one arm of which element is adapted for engagement with said detent and the other to be positioned above the said opening and adapted to retain the bait, a member slid-



able along the lever between said opening and the lever fulcrum and substantially to the latter, and resilient means drawing said lever toward the fixed jaw through said slidable member.



### 2,120,813
### RADIO TUNING INDICATOR DEVICE

Roger Riotte, Puteaux, France, assignor to Sonora Radio, S. A., Puteaux (Seine), France, a corporation of France

Application June 26, 1936, Serial No. 87,414
In France August 3, 1935
3 Claims. (Cl. 40—130)



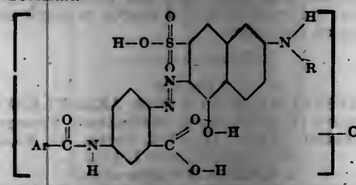
3. In combination, a transparent body, luminous means located to send light rays into said body which are totally reflected from the front face of said body, the rear face of said body having markings formed by means of a surface composition applied to said rear face, said surface composition being sufficiently opaque and light-diffusing so as to direct the light rays which fall on said markings out of said transparent body, that portion of the rear surface of said transparent body which is intermediate said markings having an opaque and light-reflecting coating thereon.

### 2,120,814
### AZO DYESTUFFS

Francis Leslie Rose, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application October 28, 1935, Serial No. 47,200. In Great Britain October 30, 1934
8 Claims. (Cl. 260—12)

3. New coppered substantive azo dyes having the formula

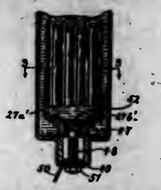


where Ar stands for an aryl radical and R stands for one of a group consisting of hydrogen, alkyl, aryl, carboxy-aryl, aroyl, amino-aroyl, and acetamino-aroyl.

### 2,120,815
### ELECTROLYTIC DEVICE

Nathan Schnell, New York, N. Y., assignor to Solar Manufacturing Corporation, a corporation of New York

Application February 20, 1935, Serial No. 7,341
3 Claims. (Cl. 175—315)

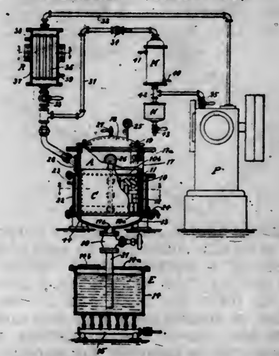


1. An electrolytic condenser, comprising a cathode in the form of a metallic vessel, having a top and bottom wall, an electrolyte, an anode, made of film-forming metal, wholly immersed in the electrolyte liquid in said vessel and being entirely contained therewithin, a perforated cup-shaped base, mounted on the bottom wall of the vessel, means to support the anode upon said base, said supporting means and said base being made also of film-forming material, a separate terminal screw bolt of non-filming metal for the anode, the head of said bolt being supported in the cup-shaped base, and covered against contact with the electrolyte, and the shank extending insulatingly through the bottom of the cathode toward the outside terminal connection for the anode and separate terminal connections for the cathode.

### 2,120,816
### IMPREGNATING PROCESS FOR ELECTROLYTIC CONDENSERS

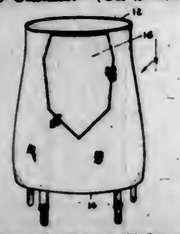
Nathan Schnell, New York, N. Y., assignor to Solar Manufacturing Corporation, a corporation of New York

Application November 1, 1935, Serial No. 47,746
3 Claims. (Cl. 91—68)



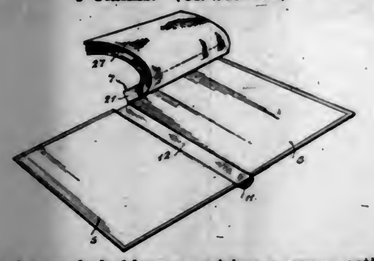
1. A process for impregnating electrical condensers and maintaining the composition of the impregnant substantially constant throughout the entire impregnating cycle, which consists in heating and drying said condensers under vacuum, impregnating them under vacuum with a heated impregnant containing volatile ingredients, and recovering the volatile ingredients evaporated during the impregnating cycle by condensation, and continuously returning them to the impregnant throughout the impregnating cycle.

2,120,817
**FOUNDATION GARMENT**
Max Simon, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a corporation of New York
Application June 13, 1936, Serial No. 85,108
2 Claims. (Cl. 2—37)



1. A girdle or similar article of wearing apparel having a body encircling part which is circumferentially and longitudinally elastic, and a thin and smooth panel consisting of flexible and elastic material of substantial width and length disposed at the front of said body encircling part over a substantial surface portion thereof in position overlying the wearer's abdomen, said panel being inherently less elastic than the overlying portion of said body encircling part and substantially less elastic longitudinally than circumferentially whereby to restrict the stretch of the overlying part of the girdle to prevent excessive bulging of the girdle at the part overlying the wearer's abdomen while permitting substantial stretching of said part in a circumferential direction.

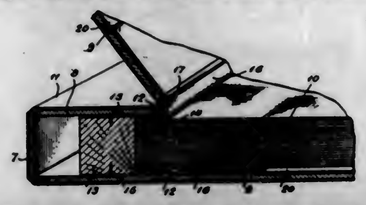
2,120,818
**SAMPLE HOLDER**
Augustus Steinthal, New York, N. Y.
Application August 14, 1936, Serial No. 96,023
6 Claims. (Cl. 206—82)



2. A sample holder comprising a cover section, a carrier pivotally connected to said section and constituted by a backing sheet secured to the inner surface of said section, said sheet being extended to form the back and a side wall of said carrier, a second side wall for said carrier pivoted to said sheet and combining with the first-named wall to provide the carrier with an open side, and means in said carrier for attaching samples thereto.

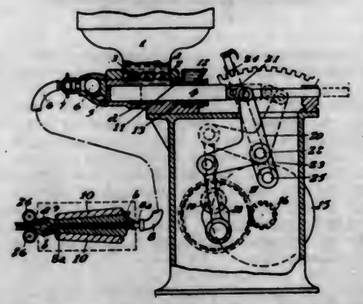
2,120,819
**SAMPLE HOLDER**
Augustus Steinthal, New York, N. Y.
Application February 10, 1937, Serial No. 125,050
1 Claim. (Cl. 206—82)

In a sample holder, cover sections, at least one section having fixed and movable portions, said portions being hingedly connected by a flexible member which, when said movable portion is displaced, forms a fold lying between said portions, a sample carrier interposed between said sections and secured to a fixed portion, means to fasten samples to said carrier, said samples lying between said sections, a stiffening



strip connected to said securing means and disposed between said samples and one of said sections, said strip projecting beyond said fixed portion and terminating substantially in line with said fold, and a concealing strip for said carrier secured to said stiffening strip and to said movable portion and extending beneath the former.

2,120,820
**METHOD FOR FILLING SOFT CENTER CONFECTIONS AND THE LIKE**
Hermann Thürlings, Viersen, Germany, assignor to Baker Perkins Company, Inc., Saginaw, Mich., a corporation of New York
Application September 16, 1936, Serial No. 101,116
In Germany October 25, 1935
1 Claim. (Cl. 107—54)



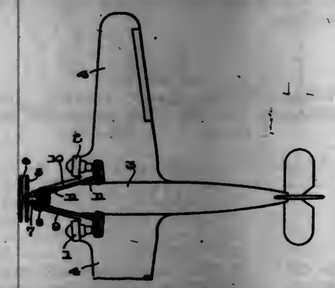
The process of producing a continuous filled confection tube consisting of forming said tube, feeding it lengthwise, and simultaneously extruding into the center of said tube plastic or fluid filling material intermittently to produce nodes of filled tube alternating with empty or slack-filled tube sections, and subsequent to said filling passing said tube through a pressure device, whereby the nodes are squeezed down to a section of constant diameter, and the displaced filling material is forced into said empty or slack-filled sections of the tube.

2,120,821
**PROPELLING DEVICE FOR AEROPLANES**
Charles Wasseige, Rueil-Malmaison, France
Application March 18, 1936, Serial No. 69,497
In Japan August 1, 1935
1 Claim. (Cl. 244—60)

In a power plant for a two engined aircraft, two coaxial tractive propellers disposed at the forward end of the fuselage, two telescopic shafts respectively carrying said propellers, the rear

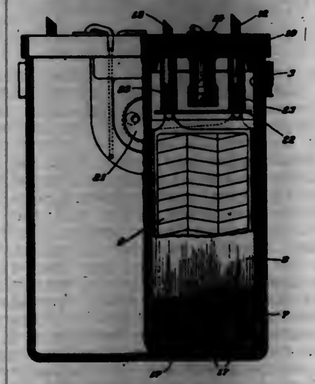


end of the inner shaft projecting from the outer one, gear wheels respectively keyed on the rear ends of said shaft, two casings secured to the said fuselage and respectively forming bearing means for said shafts and enclosing said gear wheels, two intermediate short shafts journaled in said casing symmetrically with reference to the propeller axis and slightly inclined on said axis, said intermediate shafts having projections within and out of the associated casing, gear wheels keyed on said shaft projections within the casings and in mesh respectively with the gear wheels on the propeller shafts, two



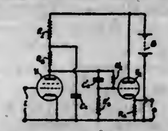
engines symmetrically carried by the aircraft wings quite near the fuselage and having their crankshaft end projecting towards the rear of the aircraft, two gear wheels secured respectively on said crankshaft ends, two intermediate short shafts symmetrical with respect to the propeller axis and slightly inclined thereon, boxes secured to the engine and respectively forming a bearing for said intermediate shafts, gear wheels respectively secured on said intermediate shafts within the boxes, universal joints at each end of said four intermediate shafts out of the casings, and two inclined shafts connecting the two universal joints situated on the same side.

2,120,822
**STORAGE BATTERY**
Grant Wheat, Marlboro, Mass., assignor to Kochler Manufacturing Company, Marlboro, Mass., a corporation of Massachusetts
Application June 14, 1935, Serial No. 26,665
13 Claims. (Cl. 136—149)



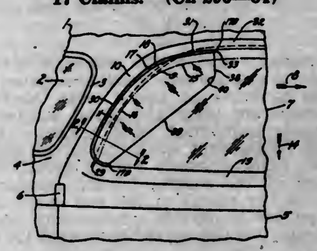
11. A storage battery separator made of material of the type of balsa wood.

2,120,823
**COUPLING MEANS FOR THERMIONIC VALVE CIRCUITS**
Eric Lawrence Casling White, Hillingdon, England, assignor to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application April 8, 1936, Serial No. 73,310
In Great Britain April 3, 1935
4 Claims. (Cl. 179—171)



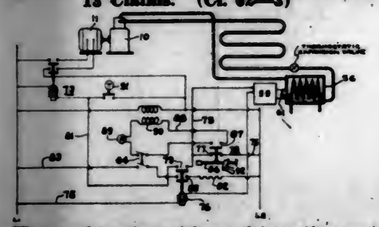
1. A circuit arrangement comprising a first valve having a cathode, a control grid, a screen grid and an anode, a second valve having a cathode, a control grid and an anode, a source of potential difference having its negative terminal connected to the cathode of said first valve, a load resistance and a decoupling resistance connected in series between the anode of said first valve and the positive terminal of said source, a decoupling condenser effectively in shunt with said decoupling resistance, a leak resistance connected between the control grid and cathode of said second valve through a source of bias potential, and connected in shunt between the anode of said first valve and the control grid of said second valve, a coupling resistance and a coupling condenser of such values that the time constant of said load resistance and said decoupling condenser is substantially equal to the time constant of said coupling condenser and said leak resistance, and the time constant of said decoupling resistance and decoupling condenser is substantially equal to the time constant of said coupling resistance and coupling condenser.

2,120,824
**DEFLECTOR MECHANISM**
August E. Wilshusen, Detroit, Mich.
Application May 6, 1935, Serial No. 19,957
17 Claims. (Cl. 296—84)



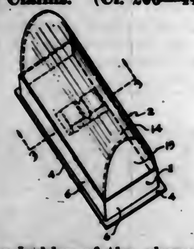
17. In a deflector mechanism for a body exposed to an air stream flowing there adjacent and provided with a movable window and window frame, the combination of a deflector member adjacent the front portion of said window frame and located solely between the outside of the body and said movable window, said deflector member forming, with said movable window, an air passage connected solely at its front end with the interior of the body, said air passage being open solely at its rearward side, and means secured to said window frame and supporting said deflector member, said means being provided with a flange portion adapted to be displaced to clamp said deflector member in said means.

2,120,825
**LIQUID LEVEL ALARM**
Edward R. Wolfert, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 6, 1935, Serial No. 15,008
13 Claims. (Cl. 62—3)



7. The combination with a refrigerating system including a compressor and a reservoir for liquid refrigerant in which the liquid level is affected by the quantity of refrigerant in the system, of means dependent upon both operation of the compressor for a predetermined period of time and a predetermined low liquid level at the end of said predetermined period of time, to give a warning.

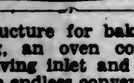
2,120,826
**DISPLAY HOLDER**
Everett F. Young, Providence, R. I., assignor to Young Brothers, Inc., Providence, R. I., a corporation of Rhode Island
Application June 23, 1937, Serial No. 149,893
4 Claims. (Cl. 206—44)



1. A display holder of the character described comprising a shallow tray for the reception of an article to be displayed, and a cover therefor of thin transparent material, curved substantially continuously transversely of its extent and having plane transparent end portions the edges of which are homogeneously united directly to the end edges of the central portion substantially throughout the extent of the end edges of the central portion to provide substantially complete transparency for the cover throughout its entire extent.

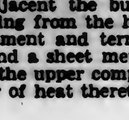
2,120,827
**DENTURE MOUNTING**
Erich H. Zahn, Port Washington, N. Y., assignor to Anglosal Laboratories, Inc., New York, N. Y., a corporation of New York
Application October 14, 1935, Serial No. 44,868
5 Claims. (Cl. 32—9)

4. In a denture, a facing having a longitudinal recess of substantially keyhole cross-section, said recess extending to the cervical end of said facing, a backing having a longitudinal rigid retention rib, said rib having an enlarged outer edge portion which is nevertheless narrower than the narrow part of said recess, whereby the facing may be applied broadside to the backing with the rib accommodated in said recess, and whereby a space is formed between the rib and the recess, said space being of uniform cross-section, and an



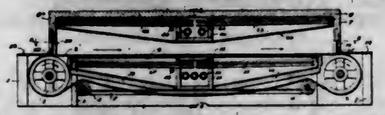
elongated key insertable endwise into said space and so dimensioned and contoured that it will engage the walls of said recess and rib at a number of points sufficient to lock said facing firmly to said backing.

2,120,828
**HANGER**
William Wilkins Barcy, Detroit, Mich.
Application July 27, 1936, Serial No. 92,713
1 Claim. (Cl. 248—61)



In a device of the class described, two complementary members formed of flat strip material, a straight center portion, two end portions on each strip curved in the plane of the least dimension, the length of the curved end varying across the width of the strip to mate with the complementary member to form two separate circular openings of different diameters by the assembly, flanged edges on the center portion butting together when the members are in juxtaposition to act as spacing means, means passing through the center portions and through the aperture formed by the flanges to secure the two together, said means including a bolt whose head abuts the curved end portion to lock it against turning.

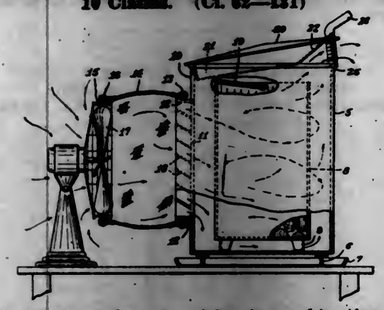
2,120,829
**BAKE OVEN**
Robert P. Bolling, Detroit, Mich.
Application April 15, 1937, Serial No. 136,968
5 Claims. (Cl. 107—57)



1. An oven structure for baking edible bake goods comprising, an oven compartment defined by walls having inlet and outlet openings for bake goods, an endless conveyor having a run passing through the oven for conveying bake goods through the oven, one or more gas burners extending crosswise of the compartment and located in the upper portion thereof, one or more gas burners positioned below said run of the conveyor and extending crosswise of the compartment, housings comprising insulated walls for the gas burners in the upper portion of the compartment and for the gas burners below said run of the conveyor, and steam tubes associated with each housing having portions lying within the housing adjacent the burners and having portions extending from the housing lengthwise of the compartment and terminating near the ends thereof, and a sheet metal closure for the steam tubes in the upper compartments adapted for the transfer of heat therethrough.



2,120,830
**AIR COOLING UNIT**
Robert T. Brimelson, New Derp, N. Y.
Application August 13, 1937, Serial No. 158,876
10 Claims. (Cl. 62—131)



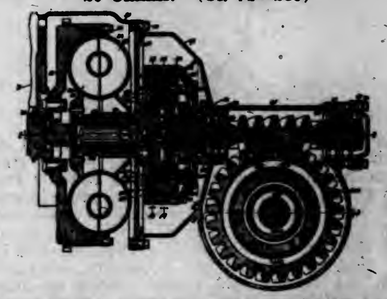
1. An air cooler comprising in combination, an outer container, an inner container within said outer container and spaced therefrom to provide air passages therebetween, said inner container being adapted to receive ice, a fan, means for connecting said fan to said outer container for blowing air around and in contact with the walls of said inner container, a cover for said outer container, and means for spacing one edge of said cover from the upper edge of said outer container for providing an air discharge passage from same.

2,120,831
**PLANETARY TRANSMISSION MECHANISM**
Frederick W. Cotterman, Dayton, Ohio, assignor of one-half to Bessie D. Apple, Dayton, Ohio
Application September 17, 1935, Serial No. 40,946
26 Claims. (Cl. 74—314)



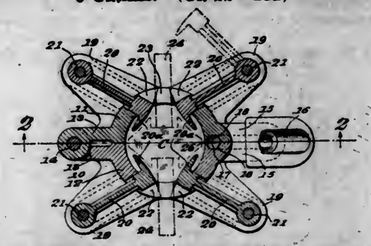
2. Automotive power transmission mechanism comprising, axle shafts, a driving member, differential gearing interposed between said driving member and said axle shafts, a differential pinion carrier, an internal ring gear secured to said carrier to rotate therewith, planet pinions in constant mesh with said ring gear, a sun gear in constant mesh with said planet pinions, a planet pinion carrier, clutch means normally securing said sun gear directly to said driving member to rotate in unison with said driving member, selectively operable clutch means to either secure the planet pinion carrier directly to the driving member while said sun gear is also secured thereto, whereby the axle shafts are revolved in unison with the driving member; to hold the planet pinion carrier against rotation while the sun gear is still secured to the driving member to rotate therewith, whereby the axle shafts are revolved oppositely of the driving member; to disconnect the planet pinion carrier from the driving member while the sun gear is still secured to the driving member to rotate therewith, whereby the driving member may revolve without revolving the axle shafts; or to cause the sun gear to be held against rotation while the planet pinion carrier is secured for rotation with the driving member, whereby the axle shafts are revolved faster than the driving member.

2,120,832
**PLANETARY TRANSMISSION MECHANISM**
Frederick W. Cotterman, Dayton, Ohio, assignor of one-half to Bessie D. Apple, Dayton, Ohio
Original application September 17, 1935, Serial No. 40,946. Divided and this application August 3, 1936, Serial No. 94,053
20 Claims. (Cl. 74—259)



1. Automotive speed reducing mechanism comprising, a driving member, a driven member, an internal ring gear on the driving member, a planet pinion carrier on the driven member, planet pinions carried by said carrier in constant mesh with said ring gear, a sun gear in constant mesh with said planet pinions, a jaw clutch normally connecting said ring gear and said carrier for rotation in unison, stressed resilient means holding said jaw clutch engaged, torque means to overcome said resilient means and means for holding said sun gear against rotation upon disengagement of said jaw clutch.

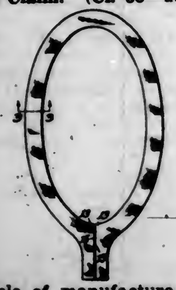
2,120,833
**PISTON MOLD**
Ray E. Day, Grosse Pointe Farms, Mich.
Application November 13, 1935, Serial No. 49,495
6 Claims. (Cl. 22—151)



1. A split mold for casting pistons, comprising a pair of cooperating hinged together mold sections forming a core cavity to hold a core therein, each section having a pair of openings into the core cavity located at opposite sides of the

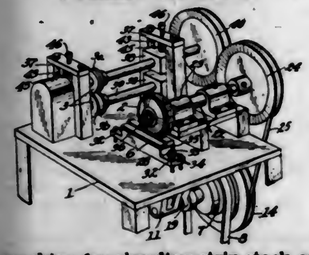
center of its wall, and a pair of supplementary mold members for each mold section and having offset free end portions shiftable through said openings into the core cavity between the core and the walls of the sections.

2,120,834
**BOUDOIR ACCESSORY**
Alfred S. Donaldson, Newark, N. J., assignor, by mesne assignments, to E. I. Du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 28, 1935, Serial No. 13,500
1 Claim. (Cl. 88—102)



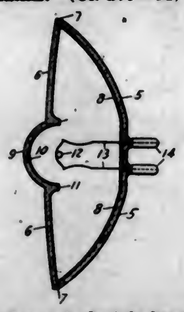
As an article of manufacture, a boudoir accessory comprising a surrounding plastic plane frame having two ends projecting radially from said frame and provided with flat edges in contact, said edges having projections registering with each other to form a continuous surface with the inner surface of the frame, the ends being secured together and projecting outwardly from the frame, said frame having an inner groove entirely around the same, a back having its edge located and held in said groove, said frame being in contact with the back entirely around the article, and a handle having a central slot in its end extending all the way through the handle into which slot said ends project and which they fit, said ends being secured in said slot, whereby the inner end of the handle covers and conceals the seam between said ends, leaving said ends exposed at the sides of the handle.

2,120,835
**APPARATUS FOR ROUGHENING LEATHER SURFACES**
Hiram Gordon, Columbus, Ohio, assignor to The Walker T. Dickerson Company, Columbus, Ohio, a corporation of Ohio
Application August 10, 1937, Serial No. 158,385
6 Claims. (Cl. 69—1)



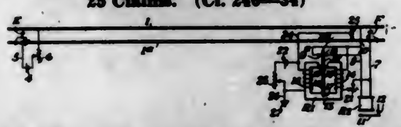
1. A machine for abrading strip stock comprising a support, a guide for the strip stock mounted on said support, a pair of power driven rolls positioned adjacent said guide to draw the stock therethrough, one of said pair of rolls being roughened to grip said stock, a circular wire brush rotatably supported in registration with said guide, means for rotating said brush in a direction opposed to that of the stock, and means for adjusting the guide toward and away from said brush.

2,120,836
**INCANDESCENT ELECTRIC LAMP**
Warren G. Grimes, Urbana, Ohio
Application August 16, 1937, Serial No. 159,264
4 Claims. (Cl. 176—34)



1. In an incandescent electric lamp, a concave rear wall having a transverse diameter substantially greater than its depth and provided with a forwardly directed continuous reflecting surface extending from near the center of said rear wall to the forward edge thereof, a filament supported centrally of said rear wall and substantially in the plane of the forward edge thereof, a lens having sealed connection with the forward edge of said rear wall, and a forwardly curved part arranged centrally of said lens, having sealed connection therewith and provided with a concave rearwardly directed reflecting surface.

2,120,837
**RAILWAY TRACK CIRCUIT APPARATUS**
Lars O. Grondahl, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 6, 1934, Serial No. 705,558
Renewed November 24, 1934
25 Claims. (Cl. 246—34)



20. In combination; a section of railway track; a track circuit for said section including a track relay; an auxiliary relay actuated in response to a change in current flow in said circuit, said auxiliary relay characterized by being substantially more quickly responsive than said track relay to the entrance of a train into said section; and means controlled by said auxiliary relay for supplementing the effect of the entrance of said train on said track relay.

2,120,838
**STAVE**
Rollie A. Lawrence, Elgin, Ill.
Application June 7, 1937, Serial No. 146,771
2 Claims. (Cl. 72—6)

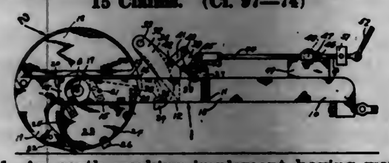
1. A stave for a silo or the like having inside and outside walls, a convex side edge, a concave side edge, and a rib on the outside wall extending beyond the concave edge and being partly cut away at the face thereof facing the concave side edge forming a shoulder at the juncture between the rib and said concave edge whereby the con-





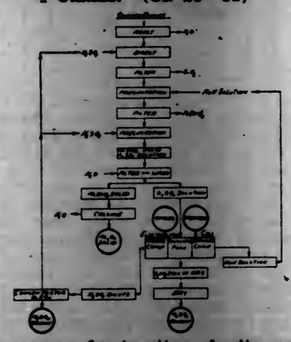
vex edge of one stave may be arranged to interfit with the concave edge of another stave with full bearing contact therebetween and with the rib on said other stave overlapping and spaced from the outside wall of said one stave to receive pointing material in said space.

2,120,839
**EARTH WORKING IMPLEMENT**
Charles Le Blen, Los Angeles, Calif.
Application February 19, 1936, Serial No. 64,676
15 Claims. (Cl. 97—74)



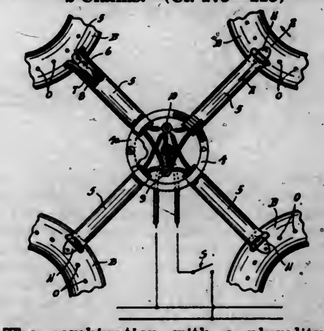
1. An earth working implement having working and idle positions comprising a draft frame, an implement body comprising a frame, a plurality of earth working tools carried thereby for digging the earth, and means whereby said implement body may serve as a ground roller, said implement body being journaled on said draft frame to serve as a rolling support in idle position.

2,120,840
**CYCLIC PROCESS FOR TREATING ALUNITE**
William E. McCullough, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application August 20, 1934, Serial No. 740,710
Renewed October 27, 1937
4 Claims. (Cl. 23—31)



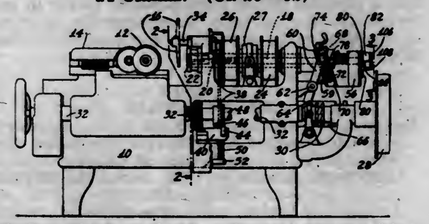
1. The process for treating alunite ores to derive therefrom aluminum oxide, potassium sulphate and sulphuric acid, the steps of treating the alunite with potassium hydroxide to precipitate metallic hydroxides but with sufficient excess of the potassium hydroxide to avoid precipitation of aluminum hydroxide and to form potassium aluminate, separating the precipitates from the solution, treating the solution with sulphuric acid limited in quantity to precipitate aluminum hydroxide without the formation of aluminum sulphate, separating the solution from the precipitate, electrolytically decomposing a portion of the solution to obtain sulphuric acid and potassium hydroxide and returning the potassium hydroxide and a portion of the sulphuric acid for use in rendering the process cyclic, whereby the excess of potassium sulphate and sulphuric acid are by-products.

2,120,841
**LIGHTER FOR GAS STOVES**
Ignatius A. McSherry, St. Paul, Minn.
Application April 18, 1936, Serial No. 75,109
2 Claims. (Cl. 175—115)



1. The combination with a plurality of gas burners having upwardly extending burner orifices, a lighter comprising a rigid supporting and housing member mounted intermediately of said burners, electrical terminals housed therein and connected with a source of electrical current, a rigid tubular shielding member for each burner constructed of non-combustible material and rigidly secured at its inner end to said supporting member and wholly supported thereby, each of said tubular shielding members terminating above said burner at a point somewhat out of alignment with one of said burner orifices, an electric lighting element mounted within the outer portion of said tubular member and terminating adjacent the outer open extremity of said tubular shielding member, and service wires connected with said electric lighting element and disposed within said tubular member and connected with said electrical terminals within said supporting and housing member.

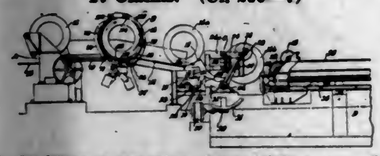
2,120,842
**FEED MECHANISM FOR SCREW AND SIMILAR MACHINES**
Charles A. Rich, Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application August 21, 1936, Serial No. 97,183
14 Claims. (Cl. 29—62)



1. In a feed mechanism for a screw machine, the combination with a stop against which the

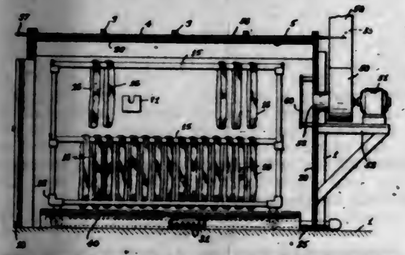
work is fed, of a feed tube having means for frictionally engaging the work, driving connections for reciprocating the feed tube constructed and arranged to advance the feed tube beyond a position in which the work is engaged against the stop, and a resilient connection in said driving connections of sufficient strength to cause slippage of said friction means on the work when engaged against the stop.

2,120,843
**PICKLING MACHINE**
Robert W. Shoemaker, Anderson, Ind., assignor to Agnes J. Reeves Greer, Morgantown, W. Va.
Application December 9, 1937, Serial No. 178,978
17 Claims. (Cl. 266—7)



1. Pickling apparatus for pickling a coil of metal including a tank containing liquid, toothed rails associated with the tank, a mandrel upon which the coil is supported, sprockets upon the mandrel adapted to engage said toothed rails, and drive chains for engagement with the sprockets for moving the mandrel over the toothed rails and rotating the mandrel as it is moved over the toothed rails whereby the coil is rotated and moved through the liquid.

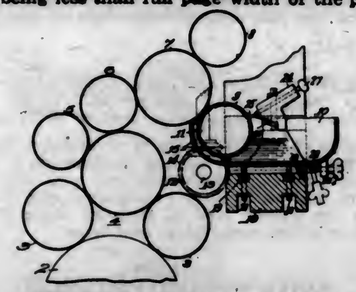
2,120,844
**PROCESS OF CONDITIONING, LOFTING, AND FLUFFING YARNS AND THE LIKE**
Harry C. Wolfenden, Attleboro, Mass.
Application May 14, 1935, Serial No. 21,392
1 Claim. (Cl. 8—15)



The improvement in the art of dyeing yarns, which consists in completing the various dyeing operations on skeins of yarns, thereafter suspending the dyed yarns loosely from a horizontal bar in a conditioning receptacle, and thereupon adding moisture to the dyed yarn by means controlling a predetermined circulation of steam in said receptacle, and thereby increasing the diameter of the dyed yarns to produce a lofting and fluffing of the yarn.

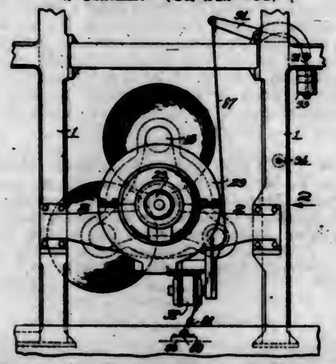
2,120,845
**INK FOUNTAIN**
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application August 4, 1932, Serial No. 627,438
Renewed May 28, 1937
3 Claims. (Cl. 101—350)

1. In a printing press, the combination with a plate cylinder and a series of rolls for transferring ink thereto, of a plurality of fountain bowls arranged end to end, a fountain roll in each bowl for supplying ink to the ink rolls, said fountain roll being less than full page width of the press,



and quickly detachable means projecting to an accessible point in front of the bowl whereby each fountain bowl is independently detachable and removable.

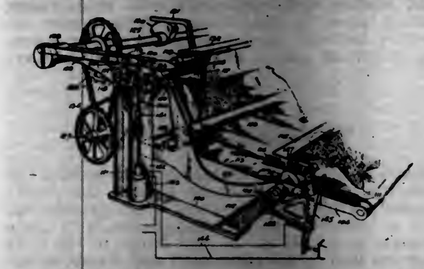
2,120,846
**AUTOMATIC REEL FOR PAPER ROLLS**
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application August 17, 1932, Serial No. 629,105
Renewed April 3, 1937
2 Claims. (Cl. 242—64)



1. In a web roll supporting reel, the combination of a frame having bearings, bearing boxes rotatably mounted in said bearings, a shaft extending from one bearing to the other, spiders on the shaft constituting a web roll support, means for fixing the shaft to the two bearing boxes so that they will rotate together, one of the bearing boxes having a worm gear thereon, a motor carried by the frame, means operated by the motor for turning the worm gear for rotating the reel, an end bracket fixed with respect to said worm wheel, a motor carried by the end bracket concentrically with the shaft, and means operated by the second motor for shifting the spiders along the shaft.

2,120,847
**ATTACHMENT FOR UNHAIRING MACHINERY**
Jacob Zabel, Newark, N. J.
Application January 3, 1936, Serial No. 57,360
21 Claims. (Cl. 149—26)

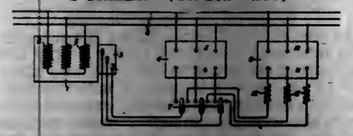
1. In an unhairing machine, a movable carrier provided with fastening means to hold the pelts thereon, a stretcher bar for the carrier, cutting means operable along the stretcher bar, and control means operable from the carrier to



suspend effective operation of the cutting means during movement of the fastening means through the path of the cutting means.

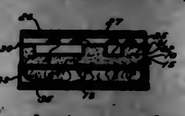


2,120,848
**SYSTEM OF ELECTRIC MOTOR CONTROL**
Bernard Adkins, Rugby, England, assignor to General Electric Company, a corporation of New York
Application July 28, 1937, Serial No. 156,165
In Great Britain November 4, 1936
4 Claims. (Cl. 172—280)



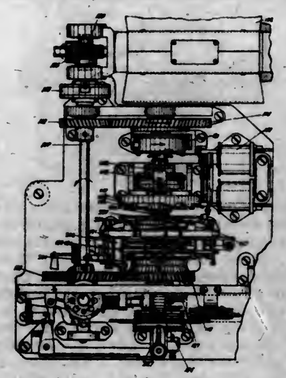
1. In combination, a shunt polyphase commutator motor having a stator primary winding and a rotor winding, a commutator connected to said rotor winding, a polyphase system of brushes bearing on the commutator, a polyphase source of supply for said primary winding, means energized from said source for supplying a polyphase speed-regulating voltage for said motor, means energized from said source for supplying a polyphase braking voltage for said motor, and means for alternately connecting said brushes to said two polyphase voltage supplying means.

2,120,849
**VANITY CASE**
Olive Carter Almonte, Sapphe, Wash.
Application July 28, 1937, Serial No. 155,796
2 Claims. (Cl. 132—78.5)



1. A vanity case having a perforated bottom, a perforated valve rotatably mounted on the bottom, a pin carried by the valve and projecting through the wall of the case for opening and closing the valve, a powder puff having a perforated backing mounted upon said bottom with the perforations thereof in registration with the perforations of said bottom, a base housing the powder puff and screw threadedly engaged with the wall of the case, and a hinged lid forming a closure for the top of the case, the case forming a loose powder chamber closed by said hinged lid.

2,120,850
**PRINTING TELEGRAPH RECEIVER**
Max Amann, Alfred Lahl, and Hans Hatzinger, Frankfort-on-the-Main, Germany
Application February 29, 1936, Serial No. 66,426
In Germany March 2, 1935
17 Claims. (Cl. 178—34)

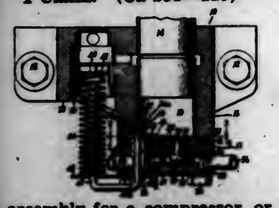


1. Type printing apparatus comprising a selecting device for determining a type according to received code current impulses of the Baudot type, said selecting device comprising a type wheel, a set of selecting discs connected to said type wheel, means for rotating said selecting discs and said type wheel, a set of testing members adapted to control said selecting discs, a setting device for setting said testing members relatively to said selecting discs, means for rotating said setting device, means for setting said setting device during its rotation, a magnet adapted to be influenced by said code current impulses and provided with an armature adapted to influence the setting of said setting device, and means acted upon by said setting device during its rotation whereby to set said testing members successively under the influence of said means for rotating said setting device and in dependence upon said armature.

2,120,851
**PROCESS FOR THE MANUFACTURE OF SPUN GOODS, FABRICS, AND OTHER TEXTILES**
Oskar Walter Becker and Hans Freudenberg, Weinheim, Germany, assignors to Carl Freudenberg G. m. b. H., Weinheim, Germany, a German company
No Drawing. Application September 9, 1935, Serial No. 39,264. In Germany September 19, 1934
14 Claims. (Cl. 18—54)

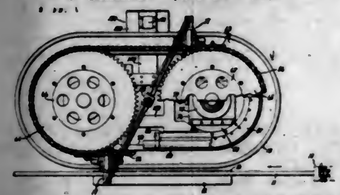
1. In a process for the manufacture of spun goods, fabrics, and other textiles employing threads obtained from animal hide material, the improvement which comprises converting said hide material into a highly swollen slippery paste which contains at most 20% of dry substance and which is substantially free from expressable water by treatment with swelling agents without substantially destroying the fibres, extruding the resulting fibrous hide paste under high pressure through tapering nozzles to produce said threads, drying said threads and rendering said threads waterproof by treatment with tanning agents.

2,120,852
**VALVE ASSEMBLY**
Harley H. Bixler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 11, 1935, Serial No. 26,667
Renewed November 6, 1936
1 Claim. (Cl. 251—119)



A valve assembly for a compressor, or the like, comprising a valve plate having an inlet passage and a discharge passage extending therethrough, said valve plate having a valve seat thereon extending about one end of said inlet passage, an inlet valve supporting member extending across one face of said valve plate and having a circular aperture therein extending about one end of said discharge passage and a notch in one side of said circular aperture arranged adjacent said inlet passage, an integral flexible inlet valve tongue formed on said inlet valve supporting member and extending across said aperture, and an enlarged end formed on said tongue and extending into said notch and cooperating with said valve seat for closing said inlet passage and flexing freely to a position displaced from said valve seat for opening completely said inlet passage.

2,120,853
**APPARATUS FOR SEVERING GLASS ROD AND TUBING**
Carl A. Brown, Chardon, and Clarence E. Hahn, Cleveland, Ohio, assignors to General Electric Company, a corporation of New York
Application July 29, 1936, Serial No. 93,238
7 Claims. (Cl. 49—48)



1. Apparatus for severing heated vitreous tubing or rod traveling longitudinally at a uniform rate comprising an endless track having a portion adjacent the path of movement of the tubing or rod, a knife mounted on said track, means for moving the knife along the track so that it is carried into operative relation to the tubing or rod and moves along therewith for an interval and means for moving the knife into engagement with the tubing or rod and transversely to the path of travel thereof during said interval to score it.

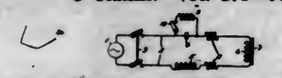
2,120,854
**NAME PLATE**
Frank J. Brown, Rochester, N. Y., assignor to Bastian Brothers Company, Rochester, N. Y., a corporation of New York
Application October 7, 1937, Serial No. 167,851
3 Claims. (Cl. 40—20)

2. A name plate including a body member presenting a forward reflecting surface and having a rearwardly curved peripheral flange, a tough, transparent covering extending completely over said surface and rearwardly over said flange, having upon its inner face, adjacent said reflecting surface, opaque coloring matter forming lettering, and a background relatively ar-



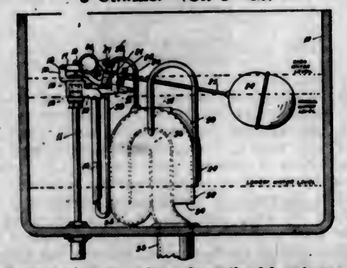
ranged to define transparent borders around the lettering and continuously around the background at the flanged edge of the body member, and a backplate at the rear of the body plate engaged and held by the said flange of the body member and cooperating with said flange to securely clamp the edge portion of the said covering.

2,120,855
**ELECTRIC CIRCUIT**
Roy C. Buell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 10, 1937, Serial No. 158,344
9 Claims. (Cl. 171—97)



9. In combination, a standard commercial frequency alternating current power supply station, a distribution circuit, a switch for connecting said circuit to said power station, a substantially unloaded distribution transformer connected across said circuit, a series capacitor connected in said circuit for substantially neutralizing the distributed inductance of said circuit, a normally open switch for short-circuiting said capacitor, and means responsive to abnormal frequency and magnitude transformer exciting current resulting from the interaction of said capacitor with the effect of magnetic saturation of the core of said distribution transformer when the voltage of said power station is applied to said transformer near the zero voltage point of the voltage wave of said power station for closing said normally open switch for short-circuiting said capacitor.

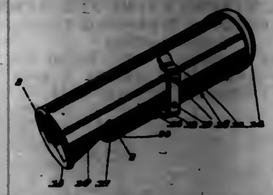
2,120,856
**FLUSH TANK WITH OUTLET SIPHON**
William J. Collison, Bakersfield, Calif.
Original application November 25, 1936, Serial No. 112,306. Divided and this application April 8, 1937, Serial No. 135,737
3 Claims. (Cl. 4—42)



1. A device of the class described having a flush tank, a water supply pipe rising therein, said pipe having a downwardly extending discharge pipe, float control means, a valve controlled by the later to govern the supply of water through the first mentioned pipe, a trap device within the tank having a flush pipe leading therefrom, said trap device having an inlet below the water level and a passageway therefrom to the flush pipe of connected portions of U-shape one above the other, a refill pipe extending from adjacent the lower end of the discharge pipe to the upper portion of the interior of the trap device, said refill pipe adjacent said lower end of the discharge pipe being upturned and engaging in the discharge pipe, a breather pipe communicating with the interior of the trap device at the upper portion, and a breather pipe communicating with the interior of the trap device at the upper portion of the other U-shape passage therein.

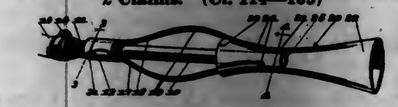


2,120,857
**HOLDER FOR NEWSPAPERS AND MAGAZINES**
William Madison Crawford, White Stone, and Emanuel Yess, Richmond, Va.
Application February 4, 1937, Serial No. 124,161
4 Claims. (Cl. 232—33)



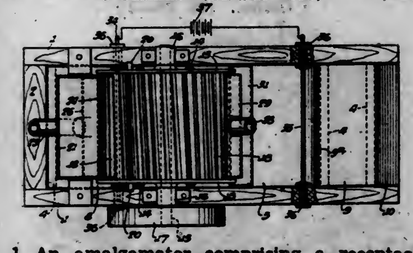
1. A newspaper holder comprising a container tilted at an angle to the horizontal and connected to a fixed support and having one end closed and elevated above the other end which is open, the bottom of the container adjacent the open end being indented inwardly to provide an abutment for engagement with the outer end of a folded newspaper to prevent accidental displacement of the newspaper from the container, the inner end of said abutment being located inwardly of the open end of the container and of less width than the diameter of the container so that the operator may insert his fingers into the container at each side of the abutment along the bottom wall of said container and raise the outer edge of the newspaper above the abutment for removing said newspaper.

2,120,858
**BILGE WATER DISCHARGE**
William M. Davant, Savannah, Ga.
Application January 26, 1937, Serial No. 122,472
2 Claims. (Cl. 114—185)



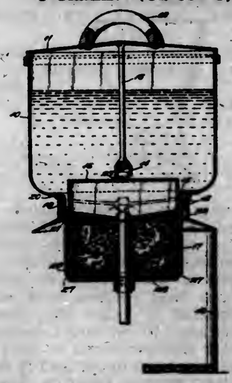
1. A bilge-water discharge comprising a pressure tube having the opposite ends thereof tapered to a reduced intermediate portion, said intermediate portion forming a Venturi section, a pipe of lesser external diameter than the interior cross-sectional area of the Venturi section of the tube and having a free end disposed in said section, arms connected to one end of the tube, a nut secured to the arms and threaded on the other end of the pipe so that the Venturi section may be adjusted relative to the free end of the pipe and fixed in a predetermined position, and a flexible hose connected to the pipe and supporting the tube and pipe.

2,120,859
**AMALGAMATOR**
Winfield S. De Lisle, Colonia, N. J.
Application November 27, 1935, Serial No. 51,958
9 Claims. (Cl. 209—205)



1. An amalgamator comprising a receptacle containing a body of mercury, a drum having flanges at its ends and longitudinal flights on its periphery extending continuously between the flanges and at an incline to the axis of the drum, the drum being mounted rotatably with the lower side of its periphery in contact with the surface of the mercury, and means for feeding ore to the surface of the mercury at one side of the drum.

2,120,860
**EXTRACTING AND FILTERING APPARATUS**
Louis F. Ehlers, Banning, Calif.
Application June 2, 1937, Serial No. 146,963
3 Claims. (Cl. 53—3)

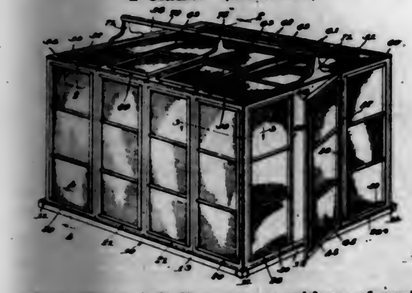


1. Apparatus of the class described comprising a reservoir adapted to contain a measured quantity of boiling water, an open bottom container adapted to contain a measured quantity of material for making an infusion, a filter disposed in the container above the material level, a cup depending from the reservoir and housing the container, an interrupted screw threaded connection between the cup and the container forming means for moving the container relatively to the cup, a perforated valve carried by the container and seated on the cup, means for screwing the container into and out of the cup for regulating the position of the valve, said cup being spaced from the container to permit down flow of water from the reservoir between the container and the cup and up flow of water through the cup and

through the filter, and an outlet tube for the infusion opening through the filter and projecting exteriorly of the cup.

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**2,120,861**
**SCREENED SHELTER**
**William E. Hastings, Jetmore, Kans.**
**Application January 22, 1936, Serial No. 60,331**
**1 Claim. (Cl. 20—2)**



In a screened shelter, an assemblage of upright screen frames, and a roof for said assemblage comprising top screen frames, at least one of the centrally located top frames being bowed upwardly to act as a truss and prevent the top frames from sagging downward.

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**2,120,862**
**GOBLET**
**Michael Heller, Brooklyn, N. Y.**
**Application January 13, 1937, Serial No. 120,336**
**12 Claims. (Cl. 65—13).**



1. A goblet including, in combination, an upper portion adapted to contain liquid, a base portion, and devices for connecting both portions together, said connecting devices including a member formed integral with the upper portion and fitting within the base portion, said member at its upper end acting to locate the base portion coaxially with respect to the upper portion, abutment means near the lower end of said member, abutment means near the upper end of said member, and resilient means reacting downwardly against the abutment means located near the lower end of said member and upwardly against the base portion to force the upper end of said base portion against the abutment means located near the upper end of said member to hold the upper portion and the base portion of the goblet together.

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**2,120,863**
**FISHING HOOK**
**Kenneth D. Johnson, Pasadena, Calif.**
**Application April 20, 1936, Serial No. 75,448**
**1 Claim. (Cl. 43—37)**

A fish hook of the character described comprising a main hook having a barb at one end and an eye at the opposite end, said main hook having a pivot extending transversely therefrom and positioned between said barbed end and said eye end, an auxiliary hook rotatably mounted on said pivot, said auxiliary hook including a barb at one end and an eye at the opposite end to




which a leader is attached, said leader extending through the eye on the main hook, and a spring mounted on said pivot and engaging each of said hooks whereby said barbed ends are normally maintained away from each other.

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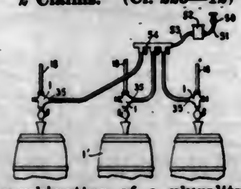
**2,120,864**
**GAS-AIR MIXING VALVE FOR BURNERS**
**Emil Kägi, Bahnweg, Wadenswil, Canton Zurich, Switzerland**
**Application March 17, 1936, Serial No. 69,402**
**In Switzerland August 7, 1935**
**7 Claims. (Cl. 158—118)**



4. In a gas-air mixing valve for a burner, a nozzle, an axially adjustable hollow spindle for controlling passage of gas from said nozzle, a case carrying said nozzle and said spindle and having a gas inlet port, means including a rotatable plug-valve in which said spindle is mounted and having a port cooperating with a port in said spindle for enabling a major flow of gas to pass from said inlet port around said spindle to said nozzle or a flow of gas to pass from said inlet port through the hollow of said spindle to said nozzle, accordingly as said plug-valve is in one position or another, and to shut off the flow of gas when said plug-valve is in a third position, and a second nozzle having air inlet ports into which second nozzle the first nozzle delivers the gas and through which the gas-air mixture passes.

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**2,120,865**
**BEVERAGE SAVING AND PIPE CLEANING DEVICE**
**Albert F. Kleman, Dover, N. J.**
**Application October 18, 1935, Serial No. 45,549**
**2 Claims. (Cl. 225—12)**



1. The combination of a plurality of storing containers, a plurality of beverage dispensing pipes connected thereto, a quadruple-ended three-way valve body positioned in each pipe and having one end adapted to be attached to a container, said valve body including an integral inlet for cleansing fluid and an outlet, a spring controlled plunger valve controlling said inlet, a passageway in the valve body connecting said inlet to said outlet, a ball valve in the valve body for controlling the flow of liquid through said valve body from the container and a source of fluid under pressure connectible to said inlet for cleaning the beverage dispensing pipe.



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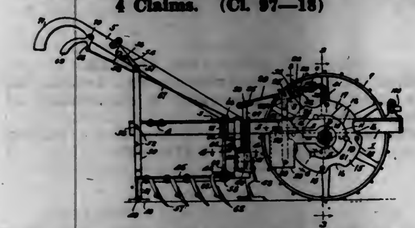
**2,120,866**
**FUEL CONTROLLING DEVICE**
**David Paul, Brooklyn, N. Y.**
**Application June 5, 1937, Serial No. 146,667**
**7 Claims. (Cl. 137—152)**



1. A fuel controlling device adapted to be interposed between the intake manifold and the carbureter of an internal combustion engine, said device including means to provide a valve seat, said seat being inclined to the horizontal, said means being formed with a V-shape opening extending through said seat, a cage anchored to said means and open at its bottom for communication with said opening, said cage having its body formed with diametrically opposed openings, and a globular valve element within the cage and having rolling contact with said seat.

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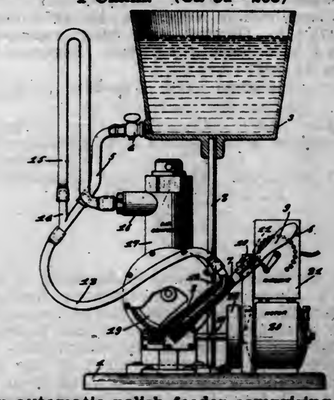
**2,120,867**
**COTTON CHOPPER**
**Ovid Pullen, Harmony, N. C.**
**Application June 16, 1937, Serial No. 148,995**
**4 Claims. (Cl. 97—18)**



1. A cotton chopper comprising a frame, an axle journaled on the frame, a ground wheel secured to the axle, a rotatable member secured to the axle and having cam notches in its periphery, the rotatable member being supplied with projections, a yoke mounted to swing vertically with respect to the axle, a lever, a fulcrum carrying the lever intermediate its ends on the frame for vertical swinging movement, the lever being provided at its forward end with a part which rides on the periphery of the rotatable member and enters the cam notches, a connection having its upper end pivoted to the lever to the rear of the fulcrum and having its lower end pivoted to the yoke, a shoulder piece pivoted to the connection and so located as to be engaged by the projections, means carried by the yoke and engaging the shoulder piece to adjust the position of the shoulder piece, a soil-engaging means, and mechanism for connecting the soil-engaging means with the rear end of the lever.

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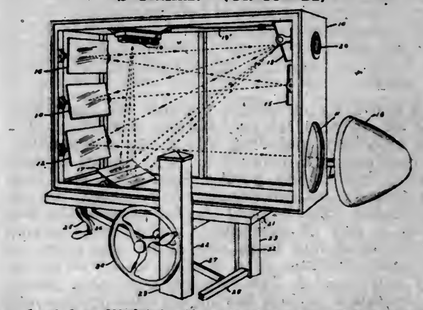
**2,120,868**
**AUTOMATIC POLISH FEEDER**
**Harry S. Reed, Yakima, Wash.**
**Application May 11, 1936, Serial No. 79,117**
**1 Claim. (Cl. 51—263)**



An automatic polish feeder comprising a base, a fountain type brush adjustably mounted on the base, an abrasive supply tank carried by the base, an outlet valve for said tank, a power driven compressor mounted on said base, flexible tubes connected to said valve, compressor and the brush, and a Y-shaped coupling connecting the tubes whereby the contents of the tank may commingle with air from the compressor and be forced by the air through the brush.

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**2,120,869**
**APPARATUS FOR TESTING PROJECTION LAMPS**
**Val J. Roper, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York**
**Application December 14, 1933, Serial No. 702,358**
**2 Claims. (Cl. 88—14)**
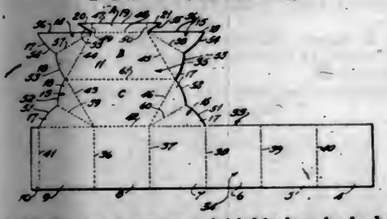


1. A headlight testing device comprising a substantially rectangular light-impervious enclosure having a window in the front wall thereof, a light-sensitive cell mounted within said enclosure on the top wall thereof, a plurality of mirrors mounted within said enclosure on the back and front walls thereof and a mirror mounted on the bottom wall of said enclosure whereby a beam of light is reflected back and forth by said first-mentioned mirrors, thence toward said last-mentioned mirror and thence toward said light-sensitive cell so that the path of the beam has a definite length, and means for indicating the amount of light falling upon said light-sensitive cell.

2,120,870
**INCANDESCENT LAMP**
Val J. Roper, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Original application November 18, 1931, Serial No. 575,859. Divided and this application March 4, 1936, Serial No. 67,999. Renewed November 23, 1937
5 Claims. (Cl. 176—26)



1. An incandescent lamp comprising a bulb having a plurality of concentrated filaments sealed therein, and a separate circuit connection for each of said filaments, two of said filaments being disposed side by side in substantialy the same plane and on opposite sides of the bulb axis and extending laterally outward from the bulb axis with their inner ends closely adjacent, and a third filament being located directly to one side of said two first-mentioned filaments and being disposed substantially symmetrically about a plane passing through the bulb axis at right angles to the plane of said two first-mentioned filaments.

2,120,871
**FOLDABLE BOX BODY**
Isaac M. Rudewitz, New York, N. Y.
Application November 24, 1936, Serial No. 112,574
1 Claim. (Cl. 229—41)



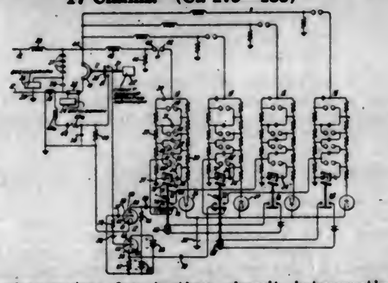
A blank for forming a foldable box body having an integral foldable bottom consisting of a one piece web including oblong and polygonally-shaped portions disposed at right angles to each other, said oblong portion having an end edge forming the bottom edge of the box body, an opposite end edge forming the top edge of the box body, a pair of side edges and spaced parallel scores extending from one of its end edges to its other dividing such portion into wall forming parts and a flap forming part, said polygonal-shaped portion having an outer end, a pair of side edges and an inner end integral with and coextensive with that part of that end of the oblong portion providing the lower ends of three of said wall forming parts, said polygonally-shaped portion having an inner part of frusto-tapered contour formed with diagonal scores, an intermediate part of inverted frusto-tapered contour of the same area as said inner part and formed with diagonal scores and an outer part of inverted frusto-tapered contour of materially less length than the said inner and intermediate parts, said outer part having lengthwise extending parallel spaced scores and tapered side terminal portions extending laterally from said lengthwise scores and free of said intermediate part to provide a flap forming part and a pair of tab forming parts, said polygonally-shaped portion being provided with a transverse score between its intermediate and inner parts and between its intermediate and outer parts, said web being formed with a horizontal score coextensive with the point of mergence of said portions, and the diagonal scores of said inner part extending from said horizontal score.

2,120,872
**VACUO-THERMAL MASSAGE APPLIANCE**
George Alfred Seward, Pickwick, Tenn.
Application June 24, 1937, Serial No. 150,196
1 Claim. (Cl. 128—275.1)



A surgical appliance of the character described comprising a hollow body open at one end, a heating element extending into the body from the opposite end, and means for creating a suction in the said body, said heating element being provided with a base portion having right and left hand threaded areas, one of the said areas being threadedly disposed into one end of the body and the other area projecting from the body for engagement into a conductor socket.

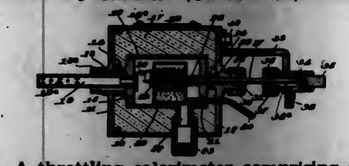
2,120,873
**CIRCUIT BREAKER TESTER**
Wilfred F. Skeats, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application February 27, 1937, Serial No. 128,217
17 Claims. (Cl. 175—183)



1. Apparatus for testing circuit interrupting devices comprising in combination, a supply circuit for current to be interrupted by an interrupting device under test, a coil in inductive relation to said circuit, a capacitor and a resistor in series with said coil, a surge generator connected to said circuit, and means responsive to voltage across said resistor for releasing said surge generator.



2,120,874
**THROTTLING CALORIMETER**
Blair H. Stone, El Reno, Okla.
Application October 14, 1935, Serial No. 44,995
5 Claims. (Cl. 73—192)



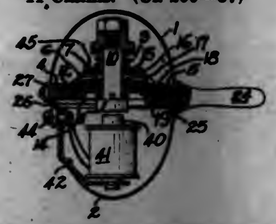
1. A throttling calorimeter comprising a heat insulated chamber having an intake orifice and an exhaust port, a hollow member within said chamber between the intake orifice and the exhaust port, said member containing a fluid sensitive to variations in temperature of a heated fluid passed through the chamber for test, means located exteriorly of the chamber for indicating the variations in transfer of heat from the heated fluid to the fluid within said member, a normally closed valve within the chamber to control ingress of the heated fluid to be tested, and a pressure operated means exteriorly of the chamber and having connection with said valve to actuate it to open position as and when required.

2,120,875
**ROLL**
Joseph S. Tatnall, Wilmington, Del., assignor to National Vulcanized Fibre Co., Wilmington, Del., a corporation of Delaware
Application November 11, 1935, Serial No. 49,286
10 Claims. (Cl. 74—230.17)



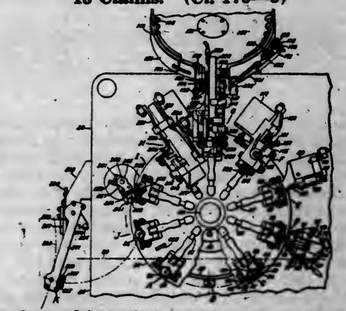
2. Roll comprising spaced heads and a cylindrical portion consisting of inner and outer shells, the latter being of corrosion-resisting material of greater coefficient of expansion than the material of the inner shell and secured to both heads, the inner shell being supported by said heads and longitudinally slidable with respect to at least one head so as to be free from deformative strain when said heads approach or recede under expansion or contraction of said outer shell.

2,120,876
**HOLDING AND RELEASING SWITCH**
Wagn Trautner, Hamilton, Ohio, assignor to E. H. Kneffer, Oakland, Calif.
Application October 4, 1937, Serial No. 167,231
11 Claims. (Cl. 200—87)



1. A holding switch comprising a stationary member having a friction surface thereon, a movable member rotatable adjacent said stationary member, a spring urging said members together in frictional relationship, a movable contact carried by said movable member, a stationary contact positioned to connect with said movable contact upon rotation of said movable member, resilient means holding said movable member in predetermined position, means for rotating said movable member, and means for breaking said frictional relationship.

2,120,877
**BASING MACHINE FOR ELECTRIC LAMPS AND SIMILAR ARTICLES**
Victor T. Uber, Willoughby, Ohio, assignor to General Electric Company, a corporation of New York
Application April 17, 1937, Serial No. 137,520
18 Claims. (Cl. 176—3)



10. A machine of the class described comprising a carrier having a plurality of heads mounted thereon, means for indexing said carrier intermittently to advance the heads from one station to another, a holder on each of said heads for a lamp having leads extending therefrom, means disposed adjacent to the path of said heads at succeeding stations for positioning said leads, means located adjacent another station for feeding a base having an apertured insulating plug in one end and pins protruding from opposite sides thereof to the lamp at said station and threading one of said leads through the said aperture comprising an inclined hopper for holding a plurality of bases, a notched wheel mounted in the hopper and supporting the bases, means for indexing the notched wheel to cause the bases to be agitated and fall into the said notches, a plunger smaller in size than the open end of a base mounted below the path of travel of the said notches in said wheel, means for actuating said plunger to move it upward into one of the said notches so as to push a base therefrom if the plug therein is lowermost and to pass into the interior of the base without removing it from the notch if the open end is lowermost, a second plunger located at another position below the path of travel of said notches, means for moving said second plunger upward to push out the bases left in the notched wheel after engagement with the first plunger, means for orientating the base so that the pins thereon lie in a predetermined plane, and means for advancing the base toward the lamp to thread one of said leads through the aperture in the base and properly position said base on the lamp.

2,120,878
**SLIDE RULE**
José G. Valenzuela, Ciudad Anahuac, Mexico
Application June 12, 1935, Serial No. 26,251
In Mexico July 5, 1934
2 Claims. (Cl. 235—70)

1. In combination a slide rule comprising relatively movable parts; a log scale carried by the

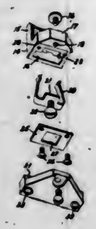
relatively movable member and extending from left to right thereon and having its divisions marked in terms of periods of time beginning with 1 month at the left and extending consecutively to 20 years at the right and with the 0.1 year and 1 year divisions marking the beginning and ending of a logarithmic unit; and a log log scale of compound interest factors extending on the relatively fixed member from the left hand edge thereof toward the center thereof with its divisions marked from 1.001 to 1.01, and then continuing from the extreme left to the extreme right of the relatively fixed member with its divisions marked consecutively from 1.01 to 4.0,



and then continuing from a substantially central portion of the relatively fixed member to the right with its divisions marked consecutively from 4.0 to 100; a log log scale carried by the relatively fixed member and extending from the left toward the right thereof and having its major divisions marked in terms of compound interest rates from 1 to 25 with the 1% and 25% divisions of this scale aligned with the 1.01 and 1.25 divisions of the other log log scale; each of said scales being positioned with respect to the others to provide cooperative action whereby to directly mechanically determine factors of compound interest or the like.

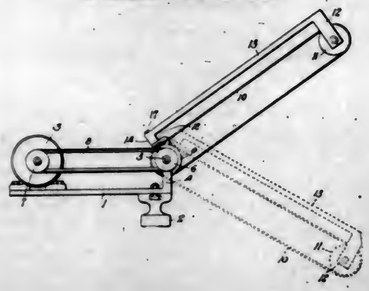
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**2,120,879**
**LAMP SOCKET**
**Frank Wear and Alexander K. Whyte, Toronto, Ontario, Canada, assignors to General Electric Company, a corporation of New York**
**Application August 31, 1937, Serial No. 161,766**
**In Canada December 24, 1936**
**3 Claims. (Cl. 173—328)**



1. A socket for use with tubular lamps which comprises a substantially L-shaped body of insulating material having a rectangular aperture extending through the leg thereof, a metallic contact clip fitted within said aperture and having an integral laterally extending portion arranged to abut the bottom of said body, means for connecting said clip to an electrical circuit, a sheet of insulating material secured to the bottom of said body arranged to hold said clip in said aperture and having an aperture therethrough permitting access to said connecting means, and a terminal cover box secured to the lower face of the foot of said body and having portions thereof extending upwardly adjacent the lower end of said leg.

**2,120,880**
**SANDING AND POLISHING ATTACHMENT FOR LATHES**
**William F. Yung, Kinsley, Kans.**
**Application July 27, 1936, Serial No. 92,874**
**1 Claim. (Cl. 51—135)**



An attachment for lathes comprising a base, a fitting secured to the base for securing the latter on a tool post holder of a lathe, a shaft journaled on said base, power means carried by the base, means connecting said power means to the shaft, a bracket journaled on said shaft, an arm adjustably secured to said bracket, spaced drums and one of said drums journaled on one end of said arm and the other drum secured on the shaft, and an endless polishing and sanding medium trained over the drums.

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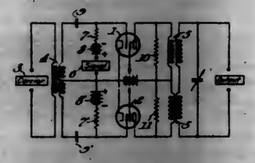
**2,120,881**
**METHOD OF MAKING MOLDS**
**Heinz Assbrolcher, Hanover-Kleefeld, and Karl Huff, Hanover-Herrenhausen, Germany, assignors to Continental Gummi-Werke Aktiengesellschaft, Hanover, Germany**
**Application November 25, 1936, Serial No. 112,800**
**In Germany November 28, 1935**
**3 Claims. (Cl. 29—148.2)**



1. A process for the manufacture of thin-walled, hollow annular sheet metal molds, for use in the vulcanization of tires and the like and consisting of two parts abutting along the lines of the greatest and smallest circumferences of the hollow ring, which comprises shaping two pieces of tube by calibre rolls into two rings of semicircular, convex and concave radially opening cross section, which, together, form a hollow ring, then cutting the said convex and concave rings along the lines of the greatest and the smallest circumference, respectively, thereafter pairing the resulting outer and inner rings and then uniting each pair, consisting of an outer and an inner ring, by welding along the line of mean circumference.



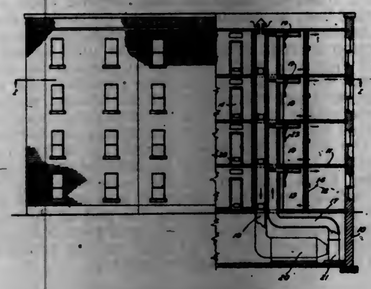
**2,120,882**
**MODULATOR**
**Stuart Ballantine, Mountain Lakes, N. J.**
**Application March 28, 1935, Serial No. 13,527**
**22 Claims. (Cl. 179—171)**



3. In the operation of a modulator of the type comprising a source of carrier frequency and a vacuum tube having a modulating electrode and a plurality of electrode circuits including a modulator output circuit, the modulator being characterized by a substantially linear relation between carrier output and voltage on the modulating electrode over a range of the latter voltage, the method of modulation which comprises biasing the modulating electrode to the midpoint of said linear range, impressing the signal voltage on said modulating electrode, introducing the carrier voltage into an electrode circuit, transmitting carrier frequency energy from said source to the modulator output circuit, and superposing such transmitted energy with reversed phase upon the modulator output circuit to reduce the output to a value which is algebraically greater than zero for a value of signal voltage equal to zero.

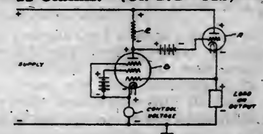
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**2,120,883**
**AIR CONDITIONING SYSTEM**
**Kemper P. Brace and Robert B. P. Crawford, Washington, D. C.**
**Application January 21, 1935, Serial No. 2,826**
**8 Claims. (Cl. 98—33)**



7. An air conditioning system for a building having a plurality of rooms at different levels a corridor connecting all of the rooms on one level an air conditioning unit having means for maintaining air at a predetermined temperature and humidity, vertical air shafts for conducting air to and from said air conditioning unit and said corridor, restricted openings from one of said shafts for conducting conditioned air at a relatively high velocity from said shaft into said corridors to mix the incoming air with that in the corridors, and a plurality of rooms having openings for admitting air from said corridors into the rooms.

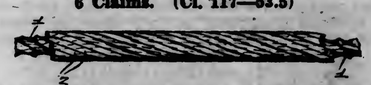
**2,120,884**
**REGULATOR SYSTEM**
**Reynolds D. Brown, Jr., Philadelphia, Pa., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa., a corporation of Pennsylvania**
**Application January 6, 1936, Serial No. 57,862**
**In Great Britain January 7, 1935**
**11 Claims. (Cl. 171—312)**



1. In an electrical system, a control space discharge device having an anode, a cathode and a control element, an output space discharge device having an anode, a cathode and a control element, a source of electrical energy, a source of control voltage, said sources having one common connection, impedance means connecting said common connection to said cathode of said output device, a connection between said energy source and said anode of said output device, whereby the space current of said output device flows through said impedance means and establishes a potential thereacross, means for supplying to said cathode and said control element of said control device the potential difference between said control voltage and at least a portion of the potential across said impedance means, an output circuit for said control device, means for supplying electrical energy to said output circuit, and a connection between said output circuit of said control device and said control element of said output device for controlling said potential across said impedance so as to minimize said potential difference.

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**2,120,885**
**MOLDED TRIMMING**
**Edward R. Chatterton, Delanco, N. J., assignor to E. W. Twitchell Incorporated, Philadelphia, Pa., a corporation of Delaware**
**Application June 1, 1936, Serial No. 82,978**
**6 Claims. (Cl. 117—53.5)**



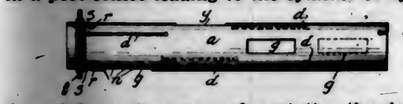
1. A shaped trimming or molding strip consisting of a central portion of crushed paper and an outer portion consisting of several strands of formed paper embracing the said central portion in spiral convolutions, the outer strands being embedded in said central portion and said central portion at the periphery thereof extending outwardly between and interlocking with the strands of the spirally-formed outer portion and forming with the latter a unified structure capable of flexure to curves or bends without material distortion from its normal cross sectional form.

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**2,120,886**
**ROTARY VALVE OF INTERNAL-COMBUSTION ENGINES AND THE LUBRICATION THEREOF**
**Angus Humphrey Cudden-Fletcher, Hoby, England**
**Application May 5, 1937, Serial No. 140,941**
**In Great Britain May 9, 1936**
**13 Claims. (Cl. 123—190)**

1. Rotary valve arrangement for internal com-

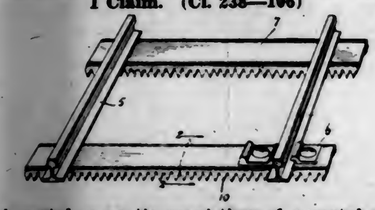
bustion engines comprising a plurality of sleeves fitting one within another, each having a port aperture in corresponding positions; a bore in which the valve rotates and having formed therein a port orifice leading to the cylinder or cylin-



ders of the engine; means for rotating the sleeves as a composite valve, slots in the sleeves for absorbing expansion, oil ducts leading to the bore, but out of alignment with the port, said ducts and the slots in the outermost sleeve communicating with each other as the valve rotates.

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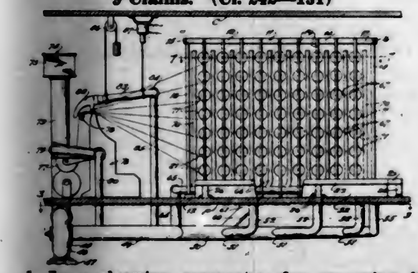
**2,120,887**
**CROSS TIE FOR RAILWAYS**
**William E. Davis, Chattaroy, W. Va.**
**Application October 15, 1937, Serial No. 169,291**
**1 Claim. (Cl. 238—106)**



A metal cross tie consisting of a metal plate shaped to form a rail supporting base and integral depending relatively low flanges whereby the rails are supported thereby in close proximity to a roadbed, the edges of said integral flanges having V-shaped projecting teeth tapered to produce sharp points and adapted to be imbedded or partially imbedded in the roadbed.

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**2,120,888**
**CLEANING APPARATUS FOR TEXTILE MACHINERY**
**Ernest J. Eaddy, Spartanburg, S. C.**
**Application April 21, 1937, Serial No. 138,260**
**9 Claims. (Cl. 242—131)**



1. In a cleaning apparatus for removing lint from a textile machine having means for supporting yarn packages in superposed spaced relation in vertically disposed spaced rows, said apparatus including a suction head disposed laterally with respect to the lower portion of the sides and rear of the machine and having an intake opening in close proximity to the lower ends of said sides and rear, vertically disposed suction pipes, each disposed in juxtaposition to a row of packages and formed with intakes, each aligning with a package of the row, and suction creating means common to said pipes and head.

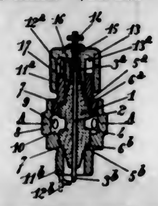
**2,120,889**
**STOP JOINT FOR FLUID FILLED CABLES**
**Luigi Emanueli, Milan, Italy, assignor to Società Italiana Pirelli, a corporation of Italy**
**Application February 17, 1938, Serial No. 191,055**
**7 Claims. (Cl. 173—268)**



1. An electrical conductor means, a metallic enclosure therefor, a filling of liquid dielectric for the enclosure, and a flexible belt comprising insulating tubes arranged side by side and surrounding the conductor means and located between it and the enclosure and through which the dielectric is free to flow.

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**2,120,890**
**SPARK PLUG**
**Pierre Figard, Paris, France**
**Application January 15, 1937, Serial No. 120,729**
**In Luxemburg January 27, 1936**
**2 Claims. (Cl. 123—169)**



1. A spark plug comprising in combination, a substantially biconical shaped body formed of insulating material, an electrical conductor sealed in the longitudinal axis of said body and extending a relatively short distance beyond each end of said body to provide a central electrode, a shell embracing said body and rigidly engaging the mid portion thereof, each end of said shell having a side electrode and a threaded portion so that either end of the shell may be threaded into the cylinder head of an internal combustion engine, a removable cap formed of insulating material having internal threads for engaging the threads of the end of the shell opposite from the end which is then intended to be inserted in the cylinder head, and an annular extension carried by said cap extending between said shell and the end of said body to insulate the end of the central electrode from said shell, and electrical conductive means carried by said cap for engaging the central electrode within said cap.

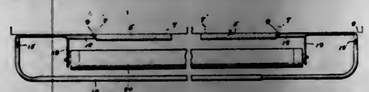
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**2,120,891**
**HANGER**
**Frederick Harry Findon, Jr., Freeport, Pa., assignor of one-fourth to George L. Ralston and one-fourth to Elmer E. Malcolm, both of Freeport, Pa.**
**Application August 9, 1937, Serial No. 158,221**
**1 Claim. (Cl. 248—259)**

A combined shade and curtain hanger, comprising, frame members adapted to be secured to a window frame and formed with longitudinally extending folds, and support members each having inner end sections fashioned with longitudinally extending folds slidable within said first



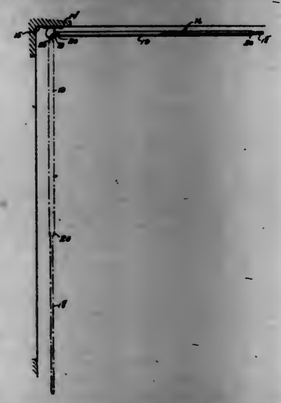
mentioned folds and frictionally engaging the latter to maintain said support members in adjusted position relative to said frame members and oppositely disposed outer end sections terminating in right angularly disposed offset ends provided with vertically extending tongues adapted for insertion within slotted ends of a curtain rod whereby to support said rod across the front of said members, said support members fashioned intermediate of said respective sections with right angularly disposed portions forming shade roller bearings whereby to support a shade roller and shade across the front face of said frame members between the latter and said rod,



said frame members formed at the ends adjacent said bearings with laterally extending flanges for attaching said frame members to said window frame, said flanges disposed for sliding engagement with the inner faces of said support members and coacting with the folds of said frame members to maintain said support members spaced from said window frame to preclude engagement of the latter with the window frame, the folds of the inner end sections merging with the outer end sections to increase the width of the latter to form shoulders for engaging the folds of the frame members whereby to limit the adjustment of said support members towards each other.

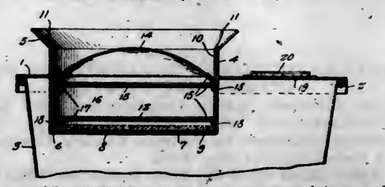
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**2,120,892**
**TELESCOPE SUN VISOR**
**Merlin J. Francis, Evansville, Wis.**
**Application May 5, 1937, Serial No. 140,924**
**1 Claim. (Cl. 296—97)**



A visor for motor vehicles comprising an elongated rod, means at one end of said rod for supporting said rod for swinging movement, a visor member, means carried by a longitudinal edge of said member engaging said rod to swingably support said member on said rod, opposed guide members carried by the longitudinal edges of said visor member, a second visor member slidable longitudinally of said guide members, a spring-pressed latch carried by said first visor member, said second visor member having a notch to receive said latch for holding said second visor member in extended position.

**2,120,893**
**STRAINER LID FOR MILK PAILS**
**Earle G. Frushour, Beatrice, Nebr.**
**Application September 16, 1935, Serial No. 40,812**
**1 Claim. (Cl. 31—51)**



A combined lid and strainer comprising a lid member having a marginal flange, a cylindrical member extending through opposite sides of said lid member, an inwardly projecting annular flange carried by one end of said cylindrical member, a flared flange carried by the opposite or outer end of said cylindrical member, an inner disk-shaped strainer member seated on said first flange, a fibrous strainer pad resting on said strainer element, a sleeve loosely disposed within said cylindrical member and seating at its inner end on said pad, strainer elements carried by said sleeve, and opposed handles carried by the outer end of said sleeve.

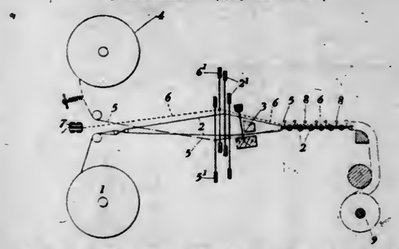
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**2,120,894**
**METHOD OF PRODUCING FREE CUTTING STEEL**
**Johannes Haag, Neunkirchen, Germany**
**No Drawing. Application June 23, 1936, Serial No. 86,889. In Germany June 24, 1935**
**8 Claims. (Cl. 75—58)**

1. Method of producing free cutting steel containing sulphur and alloy metal as ingredients which method comprises mixing molten sulphur and a finely divided alloy metal to form a uniform mixture, shaping the same into solid bodies by solidification and introducing the same into the molten steel.

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**2,120,895**
**WEAVING PILE FABRIC**
**Isaac Fred Harvey, Menston-in-Wharfedale, and Edgar Trueman Harvey, Bradford, England**
**Application November 7, 1934, Serial No. 751,932**
**In Great Britain November 9, 1933**
**3 Claims. (Cl. 139—37)**

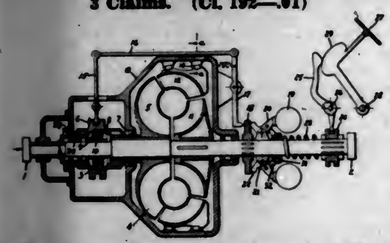


3. In a loom for the production of pile fabric having a ground structure of warp and weft threads and a top structure embodying pile loops, means for temporarily supporting said loops in the pile threads during the weaving operation, comprising flexible gut threads secured at their rear ends and having their free-forward ends extending above the ground structure and under the top structure in the direction of the warp, to a point beyond the beat-up of the loom, said

threads of gut having the characteristics that they are stiff, yet pliant, and are provided with a smooth, tough, non-frayable surface resistant to wear and indentation of the surface, and are capable of ready withdrawal from the woven fabric.

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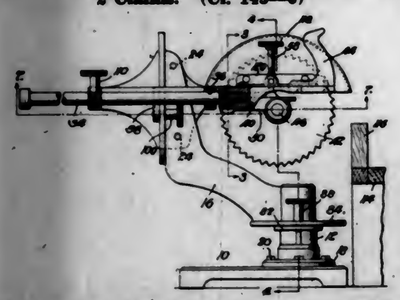
2,120,896
**AUTOMATIC POWER TRANSMISSION FOR AUTOMOTIVE VEHICLES**
Hans Koeppen, Berlin-Lichterfelde, and Hans Grünebaeder, Berlin-Charlottenburg, Germany, assignors to General Electric Company, a corporation of New York
Application April 21, 1937, Serial No. 138,240
In Germany April 24, 1936
3 Claims. (Cl. 192—.01)



1. In a power transmission for automotive vehicles the combination of input and output shafts, a mechanical clutch operable to directly connect said shafts, a hydraulic power transmission connected between said shafts in multiple with said clutch, a fly ball governor provided with a regulating spring arranged on said output shaft to operate said clutch, a fuel input lever connected to regulate the tension on said spring whereby the said governor effects a closure of said clutch at low speeds and low fuel input and effects an opening of said clutch at an increase of load at that same speed to effect a transmission of power between said shafts through said hydraulic coupling.

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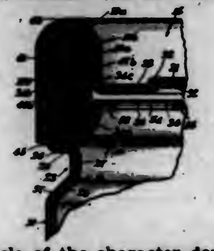
2,120,897
**SAW**
Levi N. Miller, Elkhart, Ind.
Application September 30, 1936, Serial No. 103,423
2 Claims. (Cl. 143—6)



1. A device of the type described comprising a base including a standard, a frame including openings, a bracket connected with the standard and having an opening aligning with some of the openings in the frame, a shaft slidably mounted in said aligned openings and constituting a pivot for the frame, a rod slidably mounted in the other openings of the frame, a head fixedly connected with said shaft and said rod, a circular saw, a support for the circular saw, said support being mounted underneath the head and pivotally connected therewith, and means carried by the head and projecting through an opening in the same and connected with said support for moving the same about its axis.

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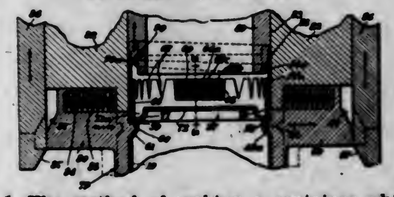
2,120,898
**PAPER CONTAINER**
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application April 17, 1934, Serial No. 720,920
40 Claims. (Cl. 229—5.6)



1. An article of the character described comprising a body including fibrous material, a flanged head disposed therein, the marginal portions of the body and flange being infolded to form a multiple ply interlocking seam, and including means for maintaining the dimensions thereof substantially uniform throughout, and a cover composed of laminated paper and foil and shaped to receive said seam and elastically engage the same.

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2,120,899
**METHOD OF MAKING CONTAINERS**
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application July 17, 1934, Serial No. 735,563
26 Claims. (Cl. 93—39.1)



1. The method of making a container which comprises forming a paper shell with an inwardly directed rib therein and a groove complementary to said rib near one end of said shell, placing a flanged head in said shell against said rib, and interlocking the flange and contiguous wall portion of the shell together while supporting said shell externally by means registering with said groove.

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2,120,900
**FIBER CONTAINER AND METHOD OF MAKING THE SAME**
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application May 2, 1935, Serial No. 19,403
34 Claims. (Cl. 93—39.1)

1. In the art of making containers comprising fibrous material, the method which comprises

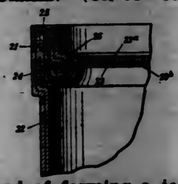


securing a fiber sheet with a lacquer liner thereon at the time of the shell forming operation about a mandrel with marginal portions of the sheet in overlapping relation, cementing the overlapping portions together by means of the intervening portion of said lacquer liner meanwhile activated to render the same adhesive, inserting a head within the shell, and welding the latter parts together by activating the intervening portion of said lacquer liner.



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2,120,901
**CONTAINER**
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application August 22, 1935, Serial No. 37,284
2 Claims. (Cl. 93—55.1)

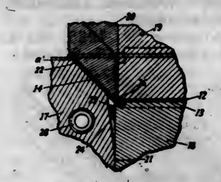


1. The method of forming a joint between a flanged and grooved end member and a side wall member having an inwardly directed shoulder which consists in placing said end member in engagement with said shoulder, inflowing the marginal edge of said side wall member to provide a curl, inflowing said side wall and curl into said groove, applying longitudinal pressure to the inflowed portion of the side wall to press the same into engagement with the upper edge of said flange and to bottom said curl in the groove, and applying radial pressure to said flange and inflowed side wall portion to completely fill said groove and lock said inflowed portion against lateral movement.

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2,120,902
**METHOD OF AND MEANS FOR MAKING CONTAINERS**
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application October 14, 1935, Serial No. 44,857
9 Claims. (Cl. 93—60)

1. The method of making a flanged article from a blank which consists in drawing the marginal portion of the blank to form a flange and define a rectangular base area, the flange being adapted to form four side walls of the article, drawing the portions of the flange intermediate each side wall along five lines radiating from each corner of the base area to form two triangular folds at each corner, and simultaneously



welding together the material of each fold and the fold to the side wall to form reinforced and seamless corners.

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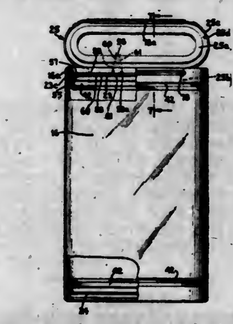
2,120,903
**CLOSURE FOR CONTAINERS**
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application November 6, 1935, Serial No. 48,483
16 Claims. (Cl. 93—36.5)



1. An article of the class described comprising a laminated circular blank with an annular rib formed centrally thereof and having an annular marginal portion of the blank drawn into flanged relation with the central portion thereof, a part of the flange being folded inwardly and secured to the remainder thereof by an adhesive, and a groove and complementary bead in said flange adapted to cooperate with means on the container.

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2,120,904
**CONTAINER AND METHOD OF MAKING THE SAME**
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application December 10, 1935, Serial No. 53,722
9 Claims. (Cl. 93—39.1)



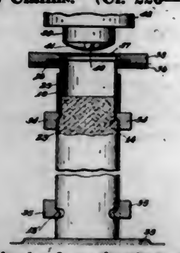
1. In a container, a body and a cover therefor constituted by a laminated blank having a lamina of paper and a lamina of cellulose acetate intimately united by an adhesive, said blank being deformed while heated whereby said acetate lamina is rendered plastic but sets when cooled to hold said paper lamina in deformed position.

2,120,905
**CONTAINER**
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application January 30, 1936, Serial No. 61,477
6 Claims. (Cl. 229—44)



1. A container comprising a body constituted by a blank of fibrous and acetate sheet laminations joined by a bonding stratum of solvent adhesive, said blank having the marginal portion thereof drawn into flanged relation with the central portion thereof, and a cover for said body constituted by a blank of fibrous and acetate sheet laminations, said last-named blank comprising a central portion, a flange portion, and a skirt constituting hinge means, said skirt having a rib thereon adapted to cooperate with a groove in the wall of said body and being adhesively secured to the latter, and said flange portion and the flange of said body having cooperating deformations therein constituting latching means for releasably holding the cover in closed position on the body.

2,120,906
**MEANS AND METHOD FOR FILLING AND CLOSING CONTAINERS**
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application April 25, 1936, Serial No. 76,437
16 Claims. (Cl. 226—73)



1. The method of packaging material which consists in fabricating an open ended container having an internal rib in the side wall adjacent the open end thereof, filling the container with said material, and inserting a closure member therein having dimensions substantially equal to the inner periphery of said container to a position whereby the same will be held against removal by said internal rib.

2,120,907
**STORM LANTERN BURNER**
Bruno Nier, Beierfeld in Sachsen, Germany
Application July 14, 1936, Serial No. 90,572
In Germany August 12, 1935
6 Claims. (Cl. 67—53)

1. A burner for a storm lantern comprising, a wick tube extending upwardly from the central portion of the burner, an inverted bowl-shaped flame plate having the inverted base thereof surrounding the upper end of the wick tube and a continuous downwardly extending skirt of a relatively large surface area, a burner cap positioned over the wick tube to provide a cover for said



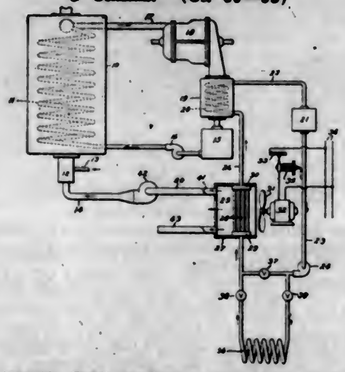
flame plate, said cap having a downwardly extending portion embracing the skirt of said flame plate whereby a relatively large surface contact is provided between the flame plate and the burner cap for conducting heat from the plate to the cap.

2,120,908
**CASSETTE FILTER**
Ben B. Raney, Linton, Ind.
Application February 5, 1936, Serial No. 62,532
7 Claims. (Cl. 250—34)



1. A method of predetermining the distribution and amount of exposure of an X-ray film to the action of fluorescent rays in a cassette containing fluorescent screens on opposite sides of the film, said method comprising interposing between one of the fluorescent screens and the film an X-ray transparent filter having certain areas thereof relatively transparent and other areas relatively opaque to fluorescent rays, then subjecting the cassette to the X-rays with the object to be radiographed interposed between the cassette and the source of X-rays.

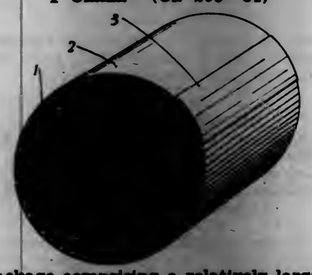
2,120,909
**ELASTIC FLUID CONDENSER ARRANGEMENT**
Karl Schmer, Berlin-Mariendorf, Germany, assignor to General Electric Company, a corporation of New York
Application June 29, 1937, Serial No. 151,019
In Germany July 4, 1936
3 Claims. (Cl. 60—95)



1. Elastic fluid condenser arrangement including the combination of a condenser having a cooling element, a tank connected to the cooling element, a surface type heat exchanger and a pump connected in series with the tank and the cooling element, and means for forcing air into the surface type heat exchanger and automatically variably adjusting the flow of air in response to temperature conditions of the cooling medium at the outlet of said tank.



2,120,910
**YARN PACKAGE**
Sidney Shephard, East Bridgford, near Bingham, England
Original application April 20, 1934, Serial No. 721,579. Divided and this application April 1, 1935, Serial No. 14,147. In Great Britain March 12, 1934
1 Claim. (Cl. 206—64)



A package comprising a relatively large number of cut portions of yarn, suitable for the pile of rugs made by hand, of equal length substantially parallelly disposed in a cylindrical closely-packed bunch with their cut ends flush, an open-ended flexible tubular wrapping of sheet material enclosing said bunch for its entire length, the edges of the material constituting which sheath overlap in a longitudinal seam, and an exterior adhesive securing strip applied to said seam to secure it, which package is such that individual yarn lengths may be withdrawn one by one from the end thereof.

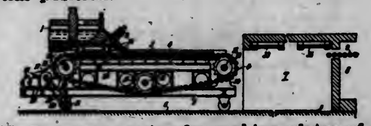
2,120,911
**STRIP GUIDING ATTACHMENT FOR SEWING MACHINES**
David Shpater, Brooklyn, N. Y.
Application December 2, 1937, Serial No. 177,801
4 Claims. (Cl. 112—152)



1. A strip guiding attachment for a sewing machine comprising a body part having a flat loop forming portion through which the strip passes and said loop forming portion having a transverse slot therein for the entrance of the strip and a second loop forming portion for receiving a prong of the presser foot of the machine, said slot being in the top of the first loop forming portion and an upstanding part, the lower end of which forms a wall of the slot.

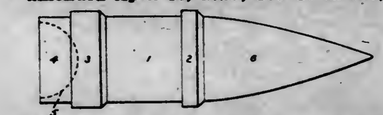
2,120,912
**APPARATUS FOR THE INTERMITTENT PRODUCTION OF ROLLED GLASS PLATES**
Frank Edwin Slocombe, Doncaster, England, assignor to Pilkington Brothers Limited, Liverpool, England, a British company
Application July 7, 1934, Serial No. 734,119
In Great Britain July 14, 1933
18 Claims. (Cl. 49—3)

1. Apparatus for making plates of glass comprising a glass tank, high speed rolling machine, a roller bed composed of rollers mounted on endless chains, a truck carrying the roller bed, and a low speed roller lehr, the truck being adapted to travel from the rolling machine to a delivery station adjacent to the lehr from which the plate can be delivered to the lehr rollers, means for continuously driving the chains so that the rollers forming the bed travel backwardly in relation to the direction in which the plates issue from the rolling machine, means for continuously rotating the rollers so that the bed which they form has a resultant forward movement equal in speed to that of the lehr rollers, and means for driving the truck from the rolling machine to its delivery station at a speed less than the speed of rolling of the plate by the resultant forward speed of the roller bed, retaining it stationary in the delivery station until delivery of the plate has been effected, and for returning the truck to its initial position.



17. In an apparatus for making plates of glass including a glass tank, a rolling machine, a lehr, and a conveyor for carrying the sheets of glass from the rolling machine to the lehr; a feeder for discharging glass from the tank to the conveyor, said feeder including a paddle movable in a slot in the roof of the forehearth of the glass tank, members on the paddle and on the roof respectively constituting a water seal enclosing the slot, means for operating the paddle to discharge the glass to the rolling machine, means for adjusting the depth of the paddle in the glass during its operative movements, and means for rotating the paddle about its vertical axis.

2,120,913
**PROJECTILE**
René R. Studler, United States Army, Philadelphia, Pa.
Application February 1, 1934, Serial No. 709,346
1 Claim. (Cl. 102—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

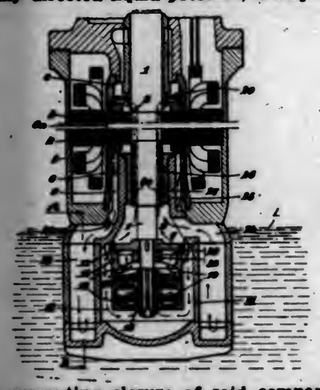


A projectile including a body substantially one and two-thirds calibers in length, the diameter of the body less than one caliber, bands at the front end and adjacent to the rear of the body, and a pointed ogival head substantially one and eight-tenths calibers in length, the curve of the ogive an arc struck from a point as center located on a line perpendicular to the longitudinal axis of the projectile positioned substantially one caliber to the rear of the base of the head.

2,120,914
**ELECTROMOTOR**
Ernst Vogel, Stockerau, Austria
Application October 4, 1935, Serial No. 43,583
In Austria November 19, 1934
1 Claim. (Cl. 172—36)

In an electric motor, a casing containing a liquid, a stator arranged in said casing, a rotor-shaft also arranged in said casing, a rotor mount-

ed on said rotor-shaft, means operated by said rotor for circulating said liquid through the gap between the rotor and stator, a relieving plate connected with said rotor-shaft, a compartment in said casing below said plate, a pump in said compartment adapted to subject said plate to an upwardly directed liquid pressure, a stop in the



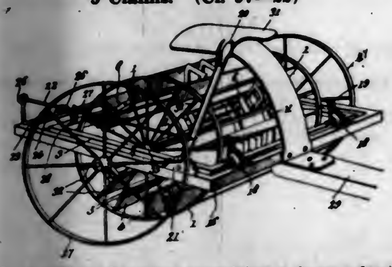
casing preventing closure of said compartment by said plate, and means for conducting the portion of said liquid passing through said gap to the vicinity of said pump, said casing being adapted to be arranged in a second liquid and said conducting means being of circuitous form and arranged adjacent the portion of the casing contacting the second liquid.

2,120,915

**COTTON CULTIVATOR**

William W. Young, Cartersville, Ga.

Application June 5, 1937, Serial No. 146,684
5 Claims. (Cl. 97—22)



1. A cotton chopper comprising a drum adapted to roll along the ground, guard partitions in said drum dividing same into sections, tracks in alternate sections, cross-heads movably mounted on the tracks, chopping means carried by the cross-heads, stationary cam means, projections on the cross-heads engaging said cam means to move the cross-heads along the tracks, said cam means having a gap at the lower part of the drum, and elastic means connected between said cross-heads and the drum for pulling said cross-heads back to initial position when said projections are released from the cam means.

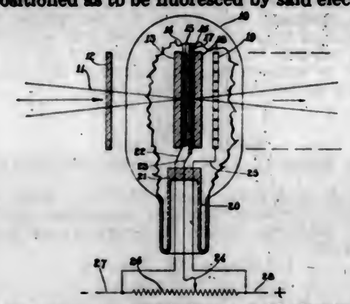
2,120,916

**LIGHT FREQUENCY CONVERTER**

Ralph E. Bitner, Flushing, N. Y.

Application September 22, 1934, Serial No. 745,028
7 Claims. (Cl. 250—27.5)

4. A vacuum tube having a photosensitive element for emission of electrons, means to accelerate said emission of electrons, a fluorescent screen so positioned as to be fluoresced by said electrons,



and means interposed between said element and said screen to shield said element from fluorescent light from said screen.

2,120,917

**BRAKE MECHANISM**

Gilbert K. Hause, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 3, 1936, Serial No. 83,185
5 Claims. (Cl. 188—152)



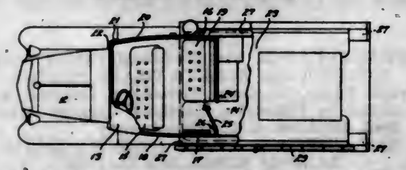
1. In a brake, a drum, oppositely located main shoes, means to anchor either end of each main shoe, servo shoes between the adjacent ends of the main shoes, means to force said servo shoes into contact with the drum whereby the servo shoes apply the main shoes in either direction of drum rotation, said anchoring means including anchor pins and articulating links pivoted to said shoes and engaging said pins.

2,120,918

**VEHICLE BODY CONSTRUCTION**

Neil P. Larsen, Cleveland, Ohio, assignor to American Coach and Body Company, Cleveland, Ohio, a corporation of Ohio

Application February 18, 1937, Serial No. 126,448
1 Claim. (Cl. 296—24)



A vehicle body, comprising a unitary structure having a partition therein dividing it into a closed cab compartment and an open storage compartment, said storage compartment including at least one compartment type side wall characterized by the fact that a portion of said compartment type side wall is disposed forwardly of said partition and extends from the floor to the roof of the storage compartment.

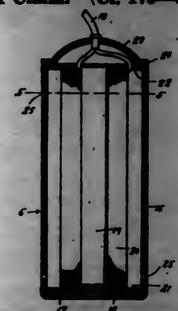


2,120,919

**HAIRPIN REMOVER**

Walter Linden and Elsie Van Brun, Bronx, N. Y.

Application January 27, 1937, Serial No. 122,676
1 Claim. (Cl. 175—367)



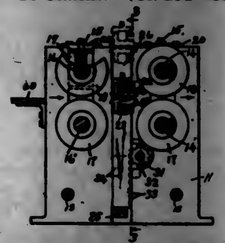
An electro-magnetic unit comprising a case of insulation open at its opposite ends and provided with an inwardly disposed circumferential portion at one end having an inwardly flaring bevel, a core structure provided with a pick-up plate at one end thereof, said pick-up plate being provided with a bevelled edge portion for seating engagement against the bevelled surface of the inwardly disposed end portion of the case, a coil on the core, said core extending longitudinally in the case, a plate of insulation disposed against the other end of the core and being adapted to fit snugly within the adjacent end portion of the case, the last mentioned end portion of the case being provided with external threads, a cap having a laterally disposed portion for engagement against the plate of insulation and an internally threaded skirt for engagement with the threads of the last mentioned end of the case.

2,120,920

**MACHINE FOR CUTTING PAPERBOARD**

Orville M. Masters and Henry G. Stager, Syracuse, N. Y.

Application July 8, 1936, Serial No. 89,612
11 Claims. (Cl. 164—38)



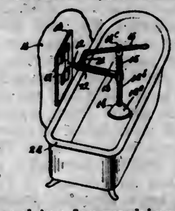
6. In a machine for scoring and cutting a unit of corrugated paperboard to adapt the unit to be folded into a corner pad structure having a plurality of ply of paperboard on each side of the corner, a frame, a set of feed rolls supported in the frame on the forward side of the machine, a second set of feed rolls supported in the frame on the rearward side of the machine, cutting elements located between said sets of feed rolls, said cutting elements being arranged so as without severing to cut part way through the paperboard alternately on opposite sides of the paperboard whereby to enable the sections of paperboard thus cut to be folded through 180 degrees to face upon each other, and a scoring knife mounted in said machine adapted to form a scoring line in said corrugated paperboard to enable the sections adjacent the scoring line to be folded through 90 degrees with respect to each other.

2,120,921

**HAND MACHINE FOR WASHING CLOTHES**

Patrizia Quirico, New York, N. Y.

Application August 11, 1937, Serial No. 158,461
9 Claims. (Cl. 68—19)



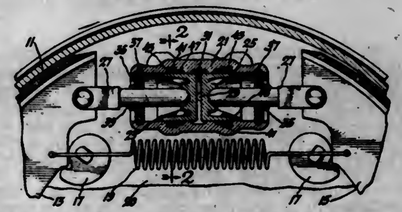
1. A hand machine for washing clothes and the like, comprising a bracket for attachment on a wall or object, an arm swivelly mounted horizontally of said bracket, a member slidably mounted in said arm to be longitudinally extendible thereto, a cleansing element for engaging the clothes in a tub or the like and vertically slidably mounted on said member, resilient means urging said element upwards, a handle connected with the top end of said element intermediate of its ends and having its rear end flexibly connected with the inner end of said member.

2,120,922

**HYDRAULIC BRAKE WHEEL CYLINDER PACKING**

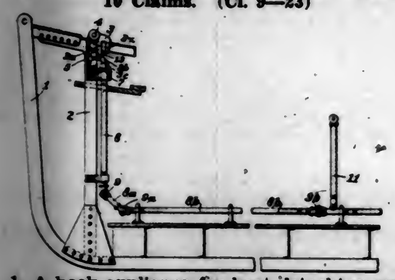
Olaf Rasmussen, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 13, 1936, Serial No. 79,417
1 Claim. (Cl. 286—26)



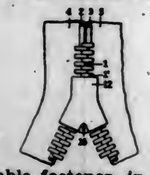
In combination, a cylinder, a piston slidable therein, one of said cooperating elements having an angularly walled annular recess, said recess having a reduced axial extension, a rubber ring bottoming in said recess and having a part thereof extended radially and subject to radial pressure by said other element, a portion of said rubber ring being deformed into said extension, the part of said rubber ring which is subject to radial pressure including two tongues, each tongue extending at an angle to the axis of the cylinder, one tongue being opposite the recess and the other opposite the extension.

2,120,923
**BOAT DETACHING APPARATUS**
Henry E. Rottmer, Washington, D. C.
Application May 5, 1937, Serial No. 140,969
10 Claims. (Cl. 9—23)



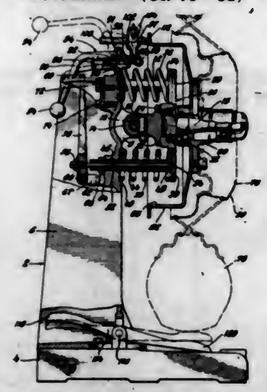
1. A hook appliance for boat detaching apparatus comprising a hook having a pivot bearing at its upper end, said hook having a tail portion adapted to be releasably engaged by a clutch member on the boat, said tail portion being connected to, spaced apart from, and providing between itself and said hook a downwardly open mouth, and a catch pivoted to the hook's tail portion moving bodily therewith and having a tail piece adapted to contact a relatively fixed element in the boat thereby setting said catch in position normally obstructing said mouth, said hook being recessed above and below the pivot of the catch whereby the catch is free to swing upwardly at all times to mouth clearing position, and to swing downwardly to mouth clearing position only when its tail piece is out of contact with said element in the boat.

2,120,924
**SEPARABLE FASTENER**
Sigismund Stillschweig, Berlin, Germany
Application September 19, 1935, Serial No. 41,299
In Germany October 11, 1934
4 Claims. (Cl. 24—205)



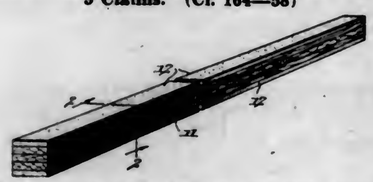
1. In a separable fastener, in combination, a pair of stringers, a series of fastener members fixed to one edge of each stringer, each fastener member comprising clamping legs and a shank with locking elements, and slidable means for interlocking and releasing the fastener members, said slidable means comprising a slider having U-shaped guide channels with flanges to catch behind the clamping legs and having a cam with laterally projecting ribs, adapted to catch behind the shanks of the fastener members carrying the locking elements and thereby prevent undesired dislocations of said members when the slider is moved, the shank of each fastener member having the locking elements constituting an extension of one of the clamping legs and each stringer having a beaded edge and the clamping legs of each fastener member embracing the bead and being rounded off and being of a thickness such that the shank of the fastener member which carries the locking elements is thereby held at the desired distance from the stringer to permit the slide to operate.

2,120,925
**WHEEL BALANCING FIXTURE**
Don B. Webster, Royal Oak, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 27, 1936, Serial No. 60,913
15 Claims. (Cl. 73—51)



1. In a wheel balancing machine, an upright frame, a pivoted wheel spindle mounted thereon and adapted to receive a wheel assembly, said spindle being axially nonrotatable; a plurality of arms on said spindle, springs mounted between the arms and the frame, said arms and springs being adjacent the pivot of the spindle, a rod contacting with one of the arms, a pointer contacting with the rod and adapted to be moved thereby to indicate the mount of unbalance of the wheel.

2,120,926
**CUTTING STICK**
Norman S. Baer, Montclair, N. J., assignor to Wilmington Fibre Specialty Company, a corporation of Delaware
Application January 26, 1937, Serial No. 122,452
5 Claims. (Cl. 164—58)



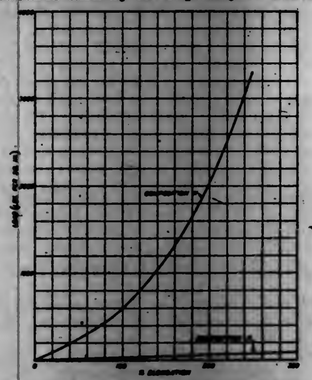
1. A cutting stick for the purposes described having a laminated wood core with the laminations parallel to the cutting face and facing strips of vulcanized fibre adhesively secured to the core.

2,120,927
**PLASTIC COMPOSITION**
Charles M. Blair, Charleston, and Thomas F. Carruthers, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application July 1, 1936, Serial No. 88,294
18 Claims. (Cl. 106—22)

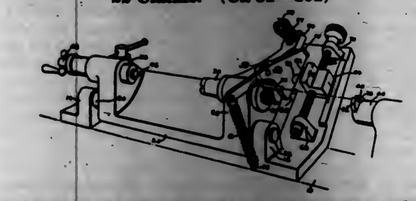
1. Plastic composition having great strength and toughness essentially composed of a water-insoluble partial polyvinyl acetal resin combined with a polyethylene glycol hexoate, said resin being characterized by its substantial insolubility



in the polyethylene glycol hexoate at ordinary temperatures and by its capacity to absorb sufficient quantities of the polyethylene glycol hexoate to yield softened, resilient compositions.



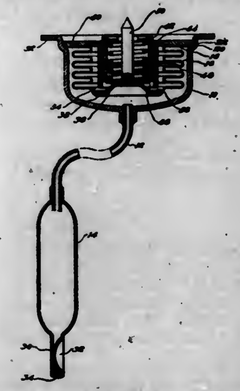
2,120,928
**ABRADING AND CUTTING APPARATUS**
Herbert L. Brump and Alvan R. Lambert, Dayton, Ohio, said Brump assignor to said Lambert
Application March 29, 1937, Serial No. 133,591
22 Claims. (Cl. 51—101)



11. A device for shaping a work body including a rotary tool shaper and means for presenting the body to the shaper, said means including a pivotally mounted cradle for rotatably supporting the body, resilient means urging said cradle in one direction, a cam rotating in synchronism with the body to be shaped, a cam follower having an arcuate surface actuated by the cam, the ratio of the radius of curvature of the shaper to a transverse dimension of the shaped body being substantially equal to the ratio of the radius of curvature of the cam follower to a corresponding transverse dimension of the cam, a rocker arm for supporting the cam follower, said rocker arm being pivotally mounted to the cradle, a race, and a fulcrum roller cooperating with the race for supporting the rocker arm, the cam actuating the cam follower causing the rocker arm to oscillate the cradle.

2,120,929
**THERMOSTATIC UNIT**
Walter B. Clifford, Boston, Mass., assignor to Clifford Manufacturing Co., Boston, Mass., a corporation of Delaware
Application March 18, 1935, Serial No. 11,564
3 Claims. (Cl. 297—3)

1. A thermostatic unit comprising a cup-like housing having an attaching flange at the rim, a cup-like bellows received in the housing and connected thereto adjacent the rim of the housing to provide an annular sealed space therebetween, thermostatic fluid filling the space, the bellows having a movable end wall, a closure member for the open end of the housing having a central tubular portion which projects lengthwise of the bellows and interiorly thereof, the tubular portion serving to limit outward movement of the end wall, means for sealing the space



about the tubular projection upon outward movement of the end wall, an abutment adjustably supported in the tubular portion of the closure, a loading spring within the tubular extension and interposed between the abutment and movable end wall, and an operating pin secured to the end wall and extending within the tubular portion lengthwise of the bellows and beyond the plane of the attaching flange.

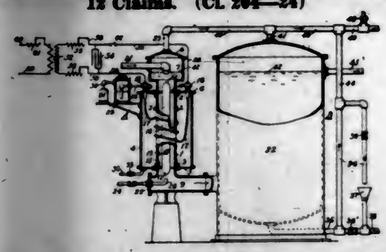
2,120,930
**RESISTANCE ELEMENT**
George M. Cooper, Elkhart, Ind., assignor to Chicago Telephone Supply Co., Elkhart, Ind., a corporation of Indiana
No Drawing. Application June 4, 1936, Serial No. 83,495
7 Claims. (Cl. 201—76)

1. A resistance element composed of conductive material and approximately three parts of an alkyd resin modified with approximately one part of Chinese wood oil.

2,120,931
**PRODUCTION OF PLASTIC COMPOSITIONS**
Henry L. Cox, South Charleston, and Jacob D. Matlack, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application July 16, 1936, Serial No. 90,890
18 Claims. (Cl. 106—22)

5. Process for intimately mixing a partial polyvinyl acetal resin with a compatible ester plasticizer in which said resin is unsoluble at ordinary temperatures to form a clear and homogeneous plastic composition essentially free of uncolloided particles which comprises adding to the resin a volatile organic compound which is a nonsolvent for the resin but which is capable of wetting and swelling the resin, introducing the ester plasticizer into the mixture of resin and volatile organic liquid, and thereafter separating said volatile compound from the resin and plasticizer.

2,120,932
**HIGH FREQUENCY INDUCTION DEHYDRATOR**
Lyle Dillon, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application May 15, 1933, Serial No. 671,623
12 Claims. (Cl. 204—24)



11. A process for dehydrating emulsions comprising inducing in the emulsion by an electromagnetic field of varying intensity a potential gradient normally sufficient to cause disruptive discharges within the emulsion, whereby the water phase is agglomerated and separating the water from the oil.

2,120,933
**DISPERSING AGENT**
Harry R. Dittmar, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 18, 1935, Serial No. 17,131
9 Claims. (Cl. 260—2)

1. A process for the preparation of a composition adapted for use as a dispersing agent which comprises reacting a monomeric ester of an acid selected from the group consisting of acrylic acid and methacrylic acid with aqueous ammonia until a homogeneous solution is obtained, distilling ammonia and water from the reaction product, and subsequently polymerizing an aqueous solution of the product.

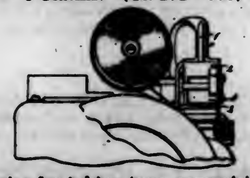
2,120,934
**PROCESS FOR MAKING PLASTIC COMPOSITIONS**
Frazier Groff, Lakewood, Ohio, assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application July 1, 1936, Serial No. 88,404
17 Claims. (Cl. 106—22)

1. Process for making clear and homogeneous plastic compositions essentially free of uncolloided particles, which comprises intimately mixing a water-insoluble partial polyvinyl acetal resin with a compatible ester plasticizer in which said resin is insoluble at ordinary temperatures, said mixing being carried out in the absence of a solvent for the resin and in the presence of water in sufficient quantity to wet and swell the resin.

2,120,935
**PLASTIC COMPOSITIONS AND PROCESS OF SHAPING THE SAME**
Frazier Groff, Lakewood, Ohio, assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application August 29, 1936, Serial No. 98,579
15 Claims. (Cl. 106—22)

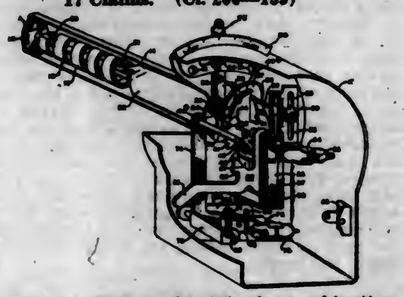
1. A process of shaping a plasticized partial polyvinyl acetal resin composition, which includes the steps of preparing a composition consisting of an adherent water-insoluble partial polyvinyl acetal resin plasticized with a compatible plasticizer in which said resin is insoluble at ordinary temperatures and a quantity of water uniformly dispersed throughout said composition, and subsequently subjecting said plasticized resin to heat and pressure shaping operations in the presence of a small quantity of water dispersed throughout said composition, said small quantity of water being sufficient to eliminate temporarily the tendency of said plasticized resin to adhere to surfaces with which it is in contact, to make clear and transparent forms free from bubbles and from entrapped air.

2,120,936
**INKING MECHANISM FOR MARKING MACHINES**
Frederick Kohnle, Dayton, Ohio, assignor to The Monarch Marking System Company, Dayton, Ohio, a corporation of Ohio
Application August 26, 1937, Serial No. 161,013
6 Claims. (Cl. 101—336)



1. A device for inking type, comprising, an endless ink impregnated ribbon, a reciprocable platen and a sheave relatively arranged to sustain the ribbon and be girdled thereby for spreading a section thereof over the platen, and a take-up contacting the ribbon to tension the same and effect a translation thereof during a reciprocating stroke of the platen.

2,120,937
**STOKER CONTROL**
Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 19, 1936, Serial No. 64,669
17 Claims. (Cl. 200—139)



1. In a control mechanism, in combination, a thermostatic element, a switch actuated by said element and operable to deenergize and energize a source of heat on temperature rise and fall, respectively, to predetermined upper and lower limits, a second switch also actuated by said element adapted to remain closed during temperature rise and fall within said limits but operable to deenergize said source of heat upon temperature rise or fall to additional predetermined upper and lower limits in excess of said first mentioned limits, and a single means to raise and



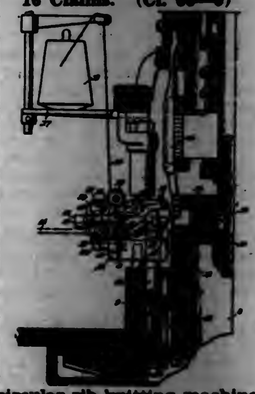
lower said first mentioned predetermined upper and lower limits and said additional predetermined limits, said means being so arranged that upon variation of said first mentioned limits said additional limits are varied in differential ratio whereby as said upper limits are raised said difference therebetween tends to converge and as said lower limits are correspondingly raised said difference therebetween tends to diverge.

2,120,938
**THERMOSTAT**
Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 19, 1934, Serial No. 753,589
14 Claims. (Cl. 200—83)



1. In a device of the character described, comprising in combination, a casing having an aperture therethrough, a movable wall in said casing, an actuating member associated with said wall and extending through said aperture into the surrounding atmosphere, a bellows surrounding said aperture and sealed to said wall whereby said casing, wall, and bellows form a pressure chamber, variations in pressure therein serving to move said wall, and a seal adjacent said aperture to preclude contact of atmospheric pressure with at least a portion of said wall.

2,120,939
**KNITTING MACHINERY**
William J. Longtin, Reading, Pa., assignor to Infant Socks Company, Reading, Pa., a corporation of Delaware
Application July 19, 1934, Serial No. 736,088
16 Claims. (Cl. 66—9)



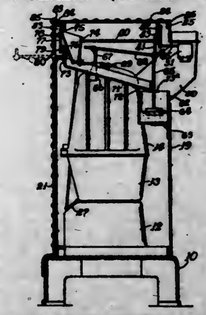
1. In a circular rib knitting machine having a cylinder and a dial, needles therein, means for knitting a body yarn upon the said cylinder and dial needles to form tubular rib body fabric having outside and inside wales, means for incorporating a rubber yarn for one or more courses to lie between the inside and outside wales, means for applying tension to the rubber yarn, and means to interknit the rubber yarn as single yarn stitches with the body stitches.

2,120,940
**SAFETY RAZOR AND BLADE THEREFOR**
Fredric S. Minassian, New York, N. Y., assignor of thirty per cent to Jacob T. Basseches, New York, N. Y.
Application July 12, 1934, Serial No. 734,731
17 Claims. (Cl. 30—41)



1. The combination with a razor of the character described comprising in its construction a blade clamping member and a guard plate member, a reservoir for a liquid formed in the space between said members, and a blade forming a closure for said reservoir and including a capillary orifice for solely determining and controlling the flow of liquid from said reservoir adjacent the shaving edge of said blade.

2,120,941
**CABINET HEATER**
George E. Pickup, Newark, Ohio, assignor, by mesne assignments, to Florence-Wehrle Stove Co., Newark, Ohio, a corporation of Ohio
Application June 15, 1934, Serial No. 730,712
3 Claims. (Cl. 126—67)

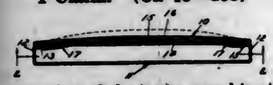


1. A cabinet heater comprising, in combination, a combustion unit, a cabinet enclosing said unit in spaced relation to provide an air circulation space thereabout, a humidity tank located near the top of said unit in communication with said circulation space to deliver into the circulating air water vapor generated by heat transmitted from said unit to said tank, one wall of said cabinet including an inwardly recessed portion located above the top of said tank and having an opening therein, a funnel member in communication with said tank mounted to lie normally in an out-of-the-way position behind said recessed portion and being movable forwardly through said

opening substantially beyond the front face of said recessed portion to expose the upper end thereof for receiving water for said tank, manually engageable means on said funnel for withdrawing the same, and a removable closure fitting over said recessed portion in concealing relation to said opening and said funnel and having its outer surface substantially flush with said one wall when in closed position.

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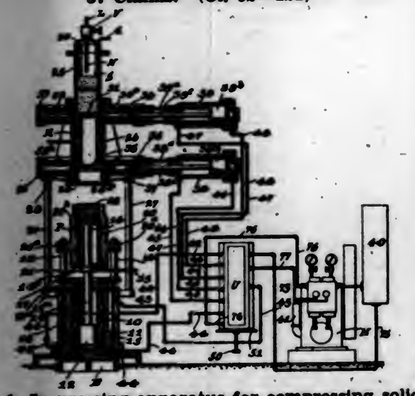
2,120,942
**SECURING TRIM PANEL**
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application June 25, 1936, Serial No. 87,291
1 Claim. (Cl. 45—138)



A trim panel and fastener combination, comprising a panel foundation and spring fasteners attached to said foundation, each fastener being in the form of an elongated resilient metal strip bowed away from said foundation and extending toward an edge of the foundation, openings in said foundation beneath each fastener, and means to interlock each of said strips to said foundation in fixed relation, comprising a part depending from each strip through one of said openings, a part to underlap said foundation adjacent an opening, and a part to engage a shoulder on said foundation to prevent longitudinal shifting of said strip.

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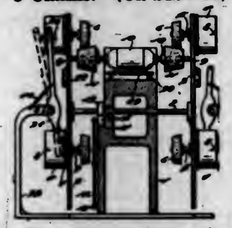
2,120,943
**PRESS APPARATUS FOR SOLID CARBON DIOXIDE AND THE LIKE**
Adolph Schutz, Wurzen, Germany, assignor, by mesne assignments, to International Carbonic Engineering Company, Wilmington, Del.
Application November 2, 1934, Serial No. 751,243
In Germany November 13, 1933
37 Claims. (Cl. 62—121)



1. In pressing apparatus for compressing solid carbon dioxide into blocks, in combination, a structure providing a solid carbon dioxide receiving chamber having a lower side discharge opening therefrom, a pressing cylinder below said chamber forming structure and mounted for movement to and from raised position for receiving a charge of solid carbon dioxide from said chamber through the chamber discharge opening, a pressing plunger in said cylinder for pressing a charge of solid carbon dioxide into a block with the cylinder in raised position, and said pressing plunger ejecting the completed block during downward movement of the pressing cylinder from raised position.

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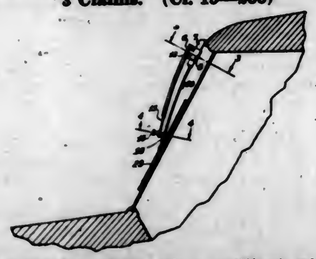
2,120,944
**REELING MECHANISM**
Reginald F. Sedgley, Philadelphia, Pa.; Edwin Pugsley and Girard Trust Company executors of Reginald F. Sedgley, deceased
Application July 30, 1936, Serial No. 93,396
8 Claims. (Cl. 242—18)



1. In a reeling mechanism, a frame, a shaft journalled in said frame, a reel carrier on said shaft, a cam on said shaft, reels rotatably mounted on said carrier, a drive into cooperative driving relation with which the reels are progressively brought on the revolution of the carrier, a bar slidable along said cam and having a cam member to partially revolve said cam, a locking and releasing member for said cam movably mounted on said slidable bar, means to move said locking and releasing member into and out of locked position, and means to actuate said slidable bar.

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2,120,945
**WINDSHIELD WIPER TENSION ARM**
Charles L. Sprankle, Cleveland, Ohio
Application August 11, 1937, Serial No. 158,521
3 Claims. (Cl. 15—255)



1. In combination with a resilient windshield wiper arm having one end rigidly mounted for oscillation and having the other end connected to an intermediate part of a wiper blade engaging the windshield, a resilient member secured to said arm adjacent the mounting thereof extending along said arm and engaging the same adjacent its point of connection to said blade to exert a flexing pressure on said arm relative to said member to press the blade against the windshield.

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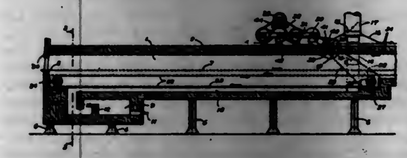
2,120,946
**PROCESS FOR THE PRODUCTION OF ZEIN**
Lloyd C. Swallen, Pekin, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 8, 1935, Serial No. 20,403. Renewed December 10, 1937
6 Claims. (Cl. 87—28)

1. A process for obtaining zein in concentrated solution, having unaltered plasticity and reduced oil content, which comprises subjecting zein-containing proteinaceous material to extraction with a homogeneous solvent mixture containing a major portion of alcohol, a minor portion of an auxiliary solvent comprising an alcohol-miscible organic solvent for maize oil and coloring matter which is a non-solvent for zein, and from 5–20% of water, treating the resulting extract with an additional portion of said auxiliary solvent, whereby the zein is separated in an alcoholic solution of increased concentration and oil and coloring matter are removed in a supernatant solvent layer, and finally separating the resulting zein solution from said solvent layer.



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2,120,947
**METHOD OF AND APPARATUS FOR ANNEALING GLASSWARE**
Walter O. Amsler, Toledo, Ohio, assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application May 18, 1936, Serial No. 80,254
27 Claims. (Cl. 49—47)



13. Apparatus for annealing glassware, comprising an elongate tunnel, means for conveying glassware therethrough, an endless flexible heat conveying means separate and distinct from said glassware conveying means, means mounting said heat conveying means for movement in respect to said tunnel and with at least one strand thereof movable in and longitudinally of said tunnel, and means for moving said heat conveying means.

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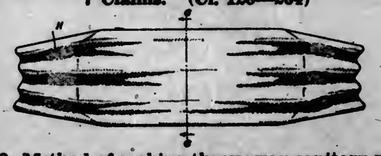
2,120,948
**ATOMIZER**
Charles W. Beck, Toledo, Ohio
Application November 18, 1935, Serial No. 50,272
5 Claims. (Cl. 299—39)



1. An atomizer comprising a hand operated bulb having a hollow neck formed with a longitudinal air passage leading into its interior, said neck having an annular cavity on its inner circumference communicating with said longitudinal air passage, a fluid receptacle within said bulb and having an external peripheral lip receivable in the neck of said bulb to support the fluid receptacle, a head having air and fluid passages which communicate respectively with said annular air passage and the interior of the fluid receptacle, a spray nozzle carried by the head, said spray nozzle having communication with the air channel and the fluid receptacle.

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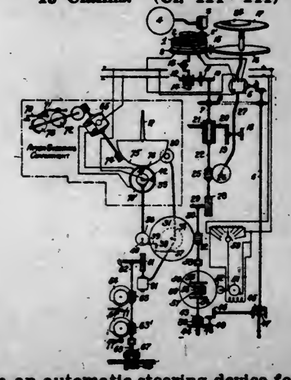
2,120,949
**SANITARY NAPKIN**
Robert P. Hayden, New Brunswick, N. J., assignor to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey
Application April 12, 1937, Serial No. 136,498
7 Claims. (Cl. 128—284)



2. Method of making throwaway sanitary napkins with looped ends, which consists in longitudinally folding a strip of gauze to enclose a pad or filling and to form end tabs, doubling the tabs on the longitudinally folded side to provide marginal loops, and securing them in that relation by filamentary process of latex along definitely spaced longitudinal lines limited to the areas between the loops and the pad.

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2,120,950
**AUTOMATIC STEERING FOR SHIPS**
Frederick S. Hodgman, Glen Rock, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 13, 1935, Serial No. 16,173
Renewed October 20, 1937.
13 Claims. (Cl. 114—144)



2. In an automatic steering device for dirigible craft, such as ships, a rate of turn determining device, a craft's heading maintaining device, means whereby the craft's rudder may be controlled from the latter device alone, and means whereby said control devices may be combined either to lessen or increase the rudder throw at will for rapid yaws of the craft.

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2,120,951
**STEERING REPEATER COMPASS**
Frederick S. Hodgman, Glen Rock, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Original application April 13, 1935, Serial No. 16,173. Divided and this application December 31, 1936, Serial No. 118,495. In Japan April 7, 1936
8 Claims. (Cl. 177—351)

4. A steering repeater compass for ships having two movable indicating elements, one of which is a compass card and both of which normally

make one complete revolution per complete turn of the ship, and means for imparting to only one



of said elements an initial magnified throw upon a change in the direction of yaw of the ship.

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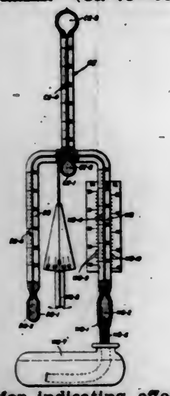
**2,120,952**

**APPARATUS FOR ASCERTAINING AND APPRAISING EFFECTIVE TEMPERATURE**

**John Parsons, New York, N. Y.**

**Application June 29, 1935, Serial No. 29,038**

**5 Claims. (Cl. 73—338)**



4. A device for indicating effective temperature comprising a dry bulb mercury thermometer, a wet bulb mercury thermometer, a capillary tube having a reservoir at one end and an expansion chamber at the other end, passageways connecting said capillary tube to the top of said thermometers, and thermally sensitive liquid in said capillary tube reservoir and passageways, said liquid being immiscible with mercury and extending into contact with the mercury in said thermometers.

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**2,120,953**

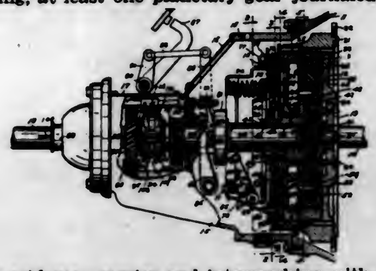
**VARIABLE SPEED TRANSMISSION MECHANISM**

**Albert Barnes Bear, St. Paul, Minn., assignor of eight and one-sixth per cent to Seth Henry, eight and one-sixth per cent to Theodore Nikas, eight and one-sixth per cent to James Pontikis, eight and one-sixth per cent to Howard H. McGill, eight and one-sixth per cent to Christ D. Pamel, eight and one-sixth per cent to Nick Chiomes and ten per cent to John Goff**

**Application January 20, 1936, Serial No. 59,959**

**8 Claims. (Cl. 74—259)**

1. The combination with an engine drive shaft and a co-axially aligned shaft to be driven thereby, of a flywheel-acting hollow casing carried by one of said shafts and carrying an internal ring gear, the opposite of said shafts working through the flywheel acting casing, a sun gear carried by the last noted shaft within the flywheel acting casing for movements with said shaft, a planetary gear carrier journaled co-axially with said shafts for rotary movements within the flywheel-acting casing, at least one planetary gear journaled on



the said gear carrier and intermeshing with the ring gear and sun gear, said gear carrier having an axial tubular portion working through the flywheel acting casing and over one of said shafts that works through the casing, and a variable slippage clutch located outside of the flywheel-acting casing and arranged to provide variable degree coupling between the said tubular portion of the planetary gear carrier and the said flywheel-acting casing.

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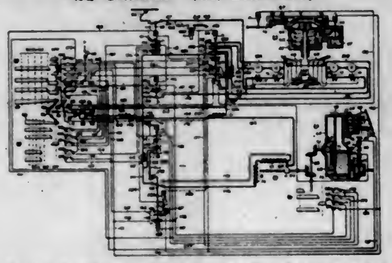
**2,120,954**

**CONTROL SYSTEM**

**Jacob W. McNairy, Erie, Pa., assignor to General Electric Company, a corporation of New York**

**Application April 28, 1937, Serial No. 139,487**

**24 Claims. (Cl. 172—179)**



24. In a control system for an electric vehicle, the combination of a driving motor, a motor controlling resistance for connection in circuit with said motor, a controller operable between predetermined limits for varying said resistance, master control means movable between a running position, a coasting position, and a braking position for selectively connecting said motor and said resistance in an accelerating or a braking circuit, movement of said master control means to said coasting position being effective to connect said motor and said resistance in said braking circuit, relay means including an energizing winding connected across a fixed portion of said resistance for operating said controller during coasting to adjust said resistance so as to maintain the motor current at a nominal value, a calibrating resistance for said relay, and means responsive to movement of said master control means to said braking position for inserting said calibrating resistance in circuit with said energizing winding to change the setting of said relay whereupon said controller is operated to effect an increase of the motor current to a value effective for braking the vehicle.



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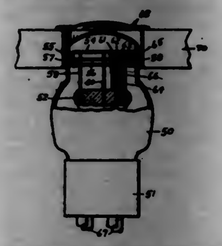
**2,120,955**

**GAS DISCHARGE TUNING INDICATOR**

**Theodore J. Scofield, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio**

**Application January 25, 1935, Serial No. 3,432**

**5 Claims. (Cl. 250—27.5)**



1. A gas discharge tube for visually indicating variations in electrical potential comprising a bulb containing an inert gas, a press within the bulb, a substantially flat circular cathode supported by said press and having an opening therethrough, an anode supported by said press and extending into said opening and terminating substantially flush with the face of said cathode, an insulating shield surrounding said anode and extending from said press to said opening, whereby a glow discharge may be produced on the face of said cathode varying in area in accordance with the variations of the applied voltage, and a keep-alive anode substantially paralleling said first anode and spaced therefrom within said insulating shield.

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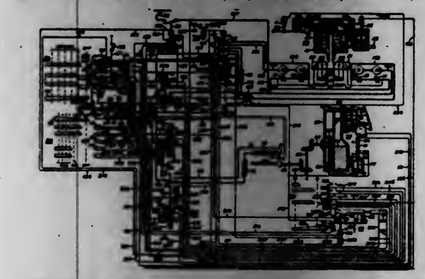
**2,120,956**

**CONTROL SYSTEM**

**John F. Tritle, Erie, Pa., assignor to General Electric Company, a corporation of New York**

**Application March 17, 1937, Serial No. 131,391**

**23 Claims. (Cl. 172—179)**



12. In a motor control system, the combination of an electric motor, a plurality of motor controlling resistors connected in circuit with said motor, a controller associated with one of said resistors, a reciprocating fluid pressure operating device having opposing pistons each for operating said controller in a corresponding direction, timing means comprising a chamber having an incompressible fluid therein, normally open valve means controlling the flow of said fluid for establishing communication between said chamber and one of said pistons, valve mechanism for selectively admitting pressure either to said chamber or to the other of said pistons to effect timed operation of said controller in a corresponding direction, means for controlling said valve mechanism to effect operation of said controller in one direction progressively to exclude said one resistor from said motor circuit, transfer means responsive to said operation of said controller for excluding another of said resistors and for reinserting said one resistor in said motor circuit, means responsive to operation of said transfer means for controlling said valve mechanism to effect operation of said controller in a reverse direction progressively to exclude said one resistor from said motor circuit a second time, current responsive means for selectively closing said normally open valve means to stop said controller or for opening further said normally open valve means to increase the speed of operation of said controller whereby a substantially constant motor current is obtained, and means for adjusting the current setting of said current responsive means.

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**2,120,957**

**CONTROL SYSTEM**

**John F. Tritle and Jacob W. McNairy, Erie, Pa., assignors to General Electric Company, a corporation of New York**

**Application April 24, 1937, Serial No. 138,818**

**27 Claims. (Cl. 172—179)**



24. In a control system for an electric vehicle, the combination of a direct current traction motor having a series-field winding, a motor controlling resistance for connection in circuit with said motor, control means for varying said resistance, master control means movable between a running position, a coasting position, and a braking position for selectively connecting said motor and said resistance in a braking or an accelerating circuit, relay means for controlling said resistance control means during coasting comprising a magnetizable stator having opposing pole pieces forming an air gap, a rotor mounted in said air gap for rotational movement between two extreme positions, a rotor winding having a plurality of turns grouped together in parallel planes, means biasing said rotor to one of said positions wherein a portion of said winding is disposed beneath said pole pieces, means responsive to operation of said master control means to said running position for connecting said rotor winding across said field winding for energization in accordance with the speed of said motor, whereby said rotor winding produces a magnetic flux having a component providing a magnetic field across said air gap to exert a torque on said rotor, movement of said rotor in response to an increase in the energization of said rotor winding being effective simultaneously to increase said magnetic field and to move a portion of said winding out of said field whereby a net torque is

developed which is so related to the bias on said rotor as to provide a stable movement of said rotor between said two extreme positions in accordance with the motor speed, means responsive to movement of said master control means to said coasting position for latching said rotor in a position corresponding to the motor speed, contact means controlled by said rotor, and means including said contacts for operating said resistance control means to predetermine in accordance with the latched position of said rotor the amount of resistance included in said braking circuit when said resistor control means is operated to said braking position.

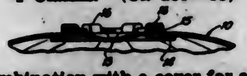
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**2,120,958**
**CATALYST MANUFACTURE**
**Kenneth W. Coons, Tuscaloosa, Ala., assignor to National Aniline and Chemical Company, Inc., New York, N. Y., a corporation of New York**
No Drawing. Application February 15, 1936, Serial No. 64,185
2 Claims. (Cl. 23—236)

1. The method of preparing a reduced nickel hydrogenation catalyst, which comprises subjecting a nickel carbonate catalyst body to the action of a stream of di-atomic hydrogen at an absolute pressure substantially below normal atmospheric pressure at a temperature of from about 175° C. to about 500° C.

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**2,120,959**
**UMBRELLA**
**Irving Hellander, New York, N. Y., assignor to Hellander Patents Corporation, New York, N. Y., a corporation of New York**
Application November 26, 1935, Serial No. 51,585
4 Claims. (Cl. 135—33)



3. In combination with a cover for an umbrella formed of tapered fabric gores, of a pair of discs having central openings and positioned centrally on opposite sides of the cover with the tapered ends of the gores of the cover extending a substantial distance within the confines of said openings, one of said discs being provided with prongs that extend through the cover and through the other disc and are compressed upon the said other disc whereby the fabric is held in position both by the compression of the discs and by the prongs.

# DESIGNS
## JUNE 14, 1938

**110,064**
**DESIGN FOR A SERVICE BAR BACK COUNTER**
**Giraud W. Behrel, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware**
Application December 11, 1937, Serial No. 73,531
Term of patent 3½ years



The ornamental design for a service bar back counter as shown.

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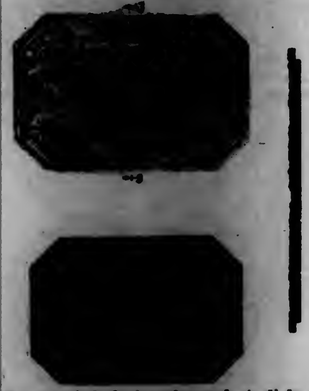
**110,065**
**DESIGN FOR A SERVICE BAR BACK COUNTER**
**Giraud W. Behrel, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware**
Application December 11, 1937, Serial No. 73,532
Term of patent 3½ years



The ornamental design for a service bar back counter as shown.

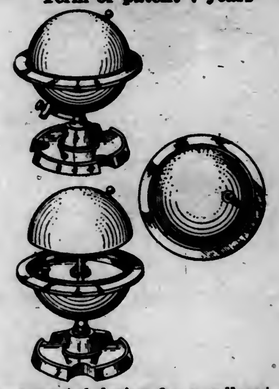
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**110,066**
**DESIGN FOR A HOT DISH MAT**
**Everett R. Brewer, Chicago, Ill., assignor to Chas. A. Brewer & Sons, Chicago, Ill., a partnership composed of Kenneth E. Brewer, Nelson C. Brewer, and Everett R. Brewer**
Application April 15, 1938, Serial No. 76,523
Term of patent 3½ years



The ornamental design for a hot dish mat as shown.

**110,067**
**DESIGN FOR A CELLARET**
**William R. Hauptman, Los Angeles, Calif.**
Application March 29, 1938, Serial No. 76,142
Term of patent 7 years



The ornamental design for a cellaret as shown.

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**110,068**
**DESIGN FOR A SHOE**
**Jack I. Kaplan, Carthage, Mo.**
Application May 11, 1938, Serial No. 77,100
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

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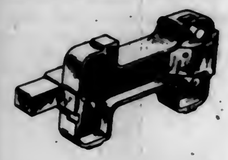
**110,069**
**DESIGN FOR A SHOE**
**David Levin, New York, N. Y., assignor to Avon Shoe Company, New York, N. Y.**
Application May 11, 1938, Serial No. 77,103
Term of patent 3½ years

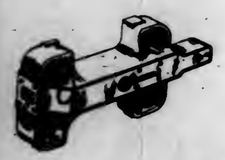




The ornamental design for a shoe substantially as shown.

110,070
**DESIGN FOR A FINDER FOR CAMERAS**
Lawrence R. Martin, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 19, 1938, Serial No. 76,600
Term of patent 14 years





The ornamental design for a finder for cameras, as shown.

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110,071
**DESIGN FOR A SLIPPER**
Oscar A. Saccal, Brooklyn, N. Y.
Application May 11, 1938, Serial No. 77,104
Term of patent 3½ years



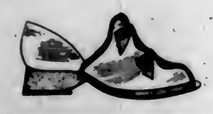


The ornamental design for a slipper, substantially as shown.

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110,072
**DESIGN FOR A SLIPPER**
Oscar A. Saccal, Brooklyn, N. Y.
Application May 11, 1938, Serial No. 77,105
Term of patent 3½ years





The ornamental design for a slipper substantially as shown.

110,073
**DESIGN FOR A SLIPPER**
Oscar A. Saccal, Brooklyn, N. Y.
Application May 11, 1938, Serial No. 77,106
Term of patent 3½ years





The ornamental design for a slipper substantially as shown.

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110,074
**DESIGN FOR A FRUIT JUICE EXTRACTOR**
Lewis H. Scurlock, Chicago, Ill.
Application March 23, 1938, Serial No. 76,935
Term of patent 3½ years

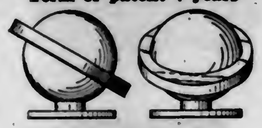


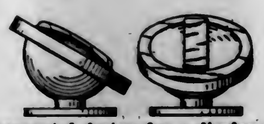


The ornamental design for a fruit juice extractor, as shown.

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110,075
**DESIGN FOR A DISPLAY CONTAINER FOR JEWELRY OR SIMILAR ARTICLE**
Milton Weill, New York, N. Y., assignor to Arrow Manufacturing Company, Inc., Hoboken, N. J., a corporation of New Jersey
Application October 19, 1937, Serial No. 72,310
Term of patent 7 years





The ornamental design for a display container for jewelry or similar article, as shown.



110,076
**DESIGN FOR A SHOE OR SIMILAR ARTICLE**
Adolph Wertheim, Brooklyn, N. Y.
Application May 9, 1938, Serial No. 77,071
Term of patent 3½ years





The ornamental design for a shoe or similar article, substantially as shown.

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110,077
**DESIGN FOR A SHOE OR SIMILAR ARTICLE**
Schuyler A. Wood, Delgeville, N. Y.
Application May 9, 1938, Serial No. 77,073
Term of patent 3½ years





The ornamental design for a shoe or similar article, substantially as shown.

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110,078
**DESIGN FOR A SHOE OR SIMILAR ARTICLE**
Schuyler A. Wood, Delgeville, N. Y.
Application May 9, 1938, Serial No. 77,075
Term of patent 3½ years





The ornamental design for a shoe or similar article, substantially as shown.

110,079
**DESIGN FOR A SHOE OR SIMILAR ARTICLE**
Schuyler A. Wood, Delgeville, N. Y.
Application May 9, 1938, Serial No. 77,076
Term of patent 3½ years





The ornamental design for a shoe or similar article, substantially as shown.

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110,080
**DESIGN FOR A TEXTILE FABRIC**
Jack Antkies, New York, N. Y.
Application May 21, 1938, Serial No. 77,337
Term of patent 3½ years



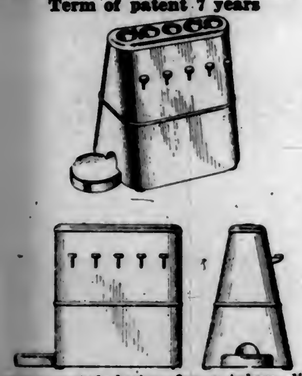
The ornamental design for a textile fabric substantially as shown and described.

110,681
**DESIGN FOR A TEXTILE FABRIC**
Jack Antkies, New York, N. Y.
Application May 21, 1938, Serial No. 77,338
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

110,682
**DESIGN FOR A TOKEN DISPENSER**
Thomas G. Bogress, Kirksville, Mo.
Application April 11, 1938, Serial No. 76,438
Term of patent 7 years



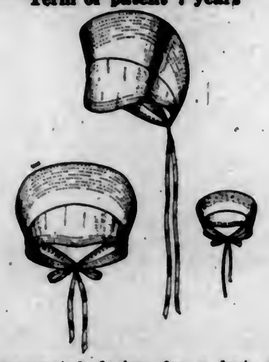
The ornamental design for a token dispenser, as shown.

110,683
**DESIGN FOR A BILLIARD TABLE**
Donald Deskey, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application February 23, 1938, Serial No. 75,351
Term of patent 7 years



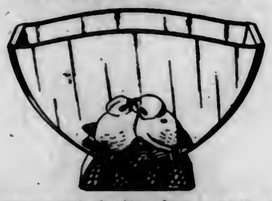
The ornamental design for a billiard table, as shown.

110,684
**DESIGN FOR A HAT**
Mary Smith Downes, Tenafly, N. J.
Application February 17, 1938, Serial No. 75,207
Term of patent 7 years



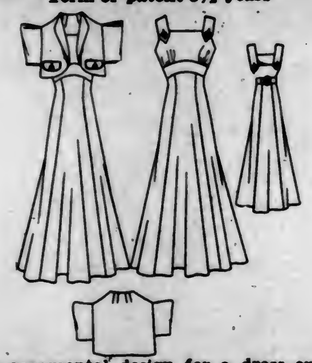
The ornamental design for a hat, as shown and described.

110,685
**DESIGN FOR A VASE**
Maurice Exelmans, Paris, France, assignor to Verlys of America, Inc., New York, N. Y., a corporation of New York
Application April 23, 1938, Serial No. 76,714
Term of patent 7 years



The ornamental design for a vase, as shown and described.

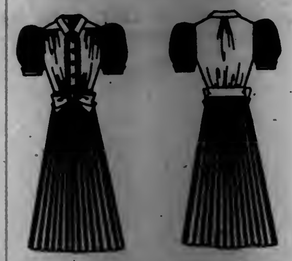
110,686
**DESIGN FOR A DRESS ENSEMBLE**
Rose Feintuck, New York, N. Y.
Application April 22, 1938, Serial No. 76,682
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

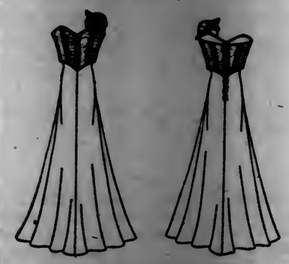


110,687
**DESIGN FOR A DRESS**
Pauline Fracchia, New York, N. Y.
Application April 22, 1938, Serial No. 76,686
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

110,688
**DESIGN FOR A DRESS**
Max Frankel, New York, N. Y.
Application May 12, 1938, Serial No. 77,163
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

110,689
**DESIGN FOR A TIRE**
Ben Goodman, Baltimore, Md.
Application January 28, 1938, Serial No. 74,678
Term of patent 3½ years



The ornamental design for a tire as shown.

110,690
**DESIGN FOR A COMBINED BRUSH AND RAZOR HOLDER**
Elmer J. Jones, San Francisco, Calif.
Application October 26, 1937, Serial No. 72,433
Term of patent 14 years



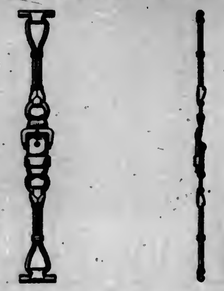
The ornamental design for a combined brush and razor holder, substantially as shown.

110,691
**DESIGN FOR AN ARTIFICIAL BAIT**
Arne Juul, Hayward, Wis., and Reidar Juul, Evanston, Ill.
Application April 4, 1938, Serial No. 76,278
Term of patent 14 years



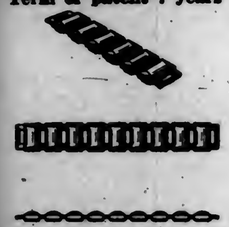
The ornamental design for an artificial bait, as shown.

110,692
**DESIGN FOR A WATCH BRACELET OR THE LIKE**
Charles H. Kestenman, Providence, R. I., assignor to Kestenman Bros. Mfg. Co., Providence, R. I., a corporation of Rhode Island
Application July 13, 1937, Serial No. 70,393
Term of patent 7 years



The ornamental design for a watch bracelet or the like, substantially as shown and described.

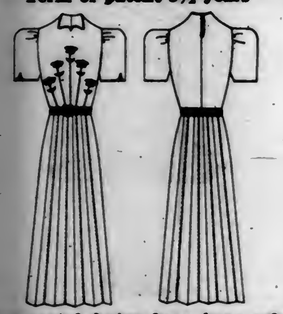
110,093
**DESIGN FOR A BRACELET CHAIN OR THE LIKE**
Charles H. Kestenman, Providence, R. I., assignor to Kestenman Bros. Mfg. Co., Providence, R. I., a corporation of Rhode Island
Application December 30, 1937, Serial No. 73,977
Term of patent 7 years



The ornamental design for a bracelet chain or the like, substantially as shown.

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100,094
**DESIGN FOR A DRESS**
Jacob J. Kushner, New York, N. Y.
Application April 23, 1938, Serial No. 76,709
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

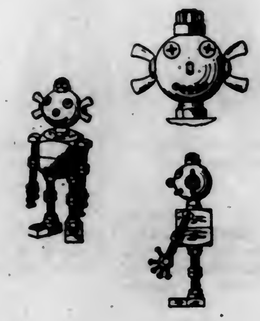
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110,095
**DESIGN FOR A DRESS**
Rose La Glaus, New York, N. Y.
Application May 21, 1938, Serial No. 77,322
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

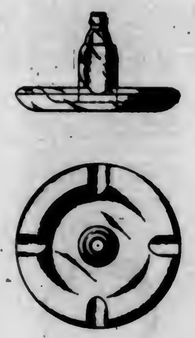
110,096
**DESIGN FOR AN ADVERTISING FIGURE**
Ralph W. Leavenworth, Shaker Heights, Ohio, assignor to The National Screw & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 25, 1938, Serial No. 75,397
Term of patent 14 years



The ornamental design for an advertising figure substantially as shown.

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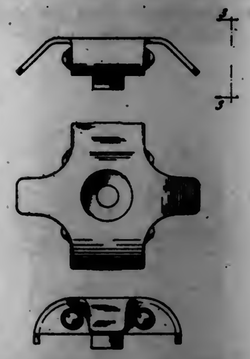
110,097
**DESIGN FOR AN ASHTRAY**
Glenn A. Mengle, Brockway, Pa., assignor to Brockway Glass Company, Inc., Brockway, Pa.
Application April 9, 1938, Serial No. 76,401
Term of patent 7 years



The ornamental design for an ashtray as shown.



110,098
**DESIGN FOR A ROAD MARKER**
Charles L. Meerman, Blue Island, Ill.
Application April 4, 1938, Serial No. 76,250
Term of patent 7 years



The ornamental design for a road marker, as shown.

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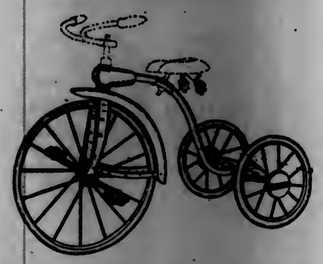
110,099
**DESIGN FOR A BRACELET CHAIN**
Saul Ritter, New York, N. Y.
Application October 27, 1937, Serial No. 72,458
Term of patent 3½ years



The ornamental design for a bracelet chain as shown.

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110,100
**DESIGN FOR A VELOCIPEDE**
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application April 11, 1938, Serial No. 76,441
Term of patent 7 years



The ornamental design for a velocipede, substantially as shown.

110,101
**DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE**
William Wichmann and Alfons Koppel, New York, N. Y.
Application May 11, 1938, Serial No. 77,111
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, substantially as shown and described.

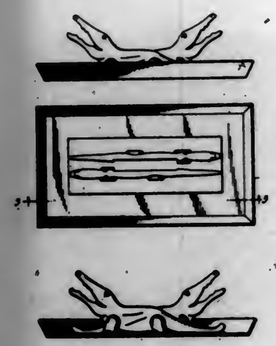
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110,102
**DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE**
Arnold Zavell, New York, N. Y.
Application April 22, 1938, Serial No. 76,692
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown and described.

110,103
**DESIGN FOR A COMBINATION ASHTRAY**
Mildred B. Baily, Norristown, Pa.
Application March 22, 1938, Serial No. 76,016
Term of patent 14 years



The ornamental design for a combination ashtray, as shown.

110,104
**DESIGN FOR A LAMP BASE**
Ernest Bartlett, Collegeville, Pa., assignor to Arton Studios, Philadelphia, Pa., a copartnership consisting of Harry Greenberg and Harry Wilson
Application January 27, 1938, Serial No. 74,598
Term of patent 3½ years



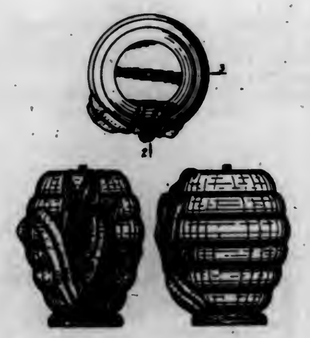
The ornamental design for a lamp base substantially as shown.

110,105
**DESIGN FOR A LAMP BASE**
Ernest Bartlett, Collegeville, Pa., assignor to Arton Studios, Philadelphia, Pa., a copartnership consisting of Harry Greenberg and Harry Wilson
Application January 28, 1938, Serial No. 74,624
Term of patent 3½ years



The ornamental design for a lamp base substantially as shown.

110,106
**DESIGN FOR A LAMP BASE**
Ernest Bartlett, Collegeville, Pa., assignor to Arton Studios, Philadelphia, Pa., a copartnership consisting of Harry Greenberg and Harry Wilson
Application March 16, 1938, Serial No. 75,862
Term of patent 3½ years



The ornamental design for a lamp base, substantially as shown.



110,107
**DESIGN FOR A LAMP BASE**
Ernest Bartlett, Collegeville, Pa., assignor to Arton Studios, Philadelphia, Pa., a copartnership consisting of Harry Greenberg and Harry Wilson
Application March 16, 1938, Serial No. 75,863
Term of patent 3½ years



The ornamental design for a lamp base, substantially as shown.

110,108
**DESIGN FOR A LAMP BASE**
Ernest Bartlett, Collegeville, Pa., assignor to Arton Studios, Philadelphia, Pa., a copartnership consisting of Harry Greenberg and Harry Wilson
Application March 16, 1938, Serial No. 75,864
Term of patent 3½ years



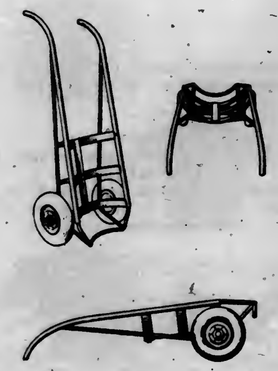
The ornamental design for a lamp base substantially as shown.

110,109
**DESIGN FOR A LAMP BASE**
Ernest Bartlett, Collegeville, Pa., assignor to Arton Studios, Philadelphia, Pa., a copartnership consisting of Harry Greenberg and Harry Wilson
Application March 16, 1938, Serial No. 75,865
Term of patent 3½ years



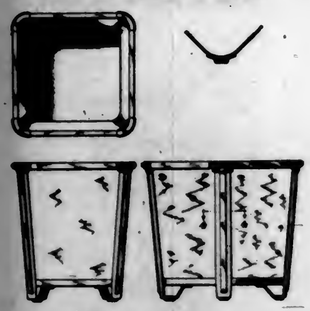
The ornamental design for a lamp base substantially as shown.

110,110
**DESIGN FOR A HAND TRUCK**
Jesse G. Eagleson, Johnson County, Kans., assignor to The Garden Shop, Inc., Kansas City, Mo., a corporation of Missouri
Application February 28, 1938, Serial No. 75,452
Term of patent 14 years



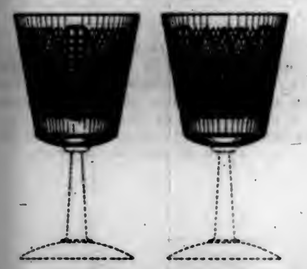
The ornamental design for a hand truck substantially as shown.

110,111
**DESIGN FOR A WASTEBASKET**
Thomas Hearn, Ludlow, Ky., assignor to The Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application November 22, 1937, Serial No. 73,102
Term of patent 14 years



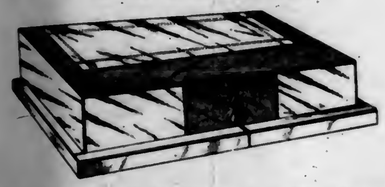
The ornamental design for a waste basket as shown and described.

110,112
**DESIGN FOR A GOBLET OR SIMILAR ARTICLE**
Rowena Reed Kostellow, Pittsburgh, Pa., assignor to United States Glass Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application February 16, 1938, Serial No. 75,181
Term of patent 3½ years



The ornamental design for a goblet or similar article substantially as shown and described.

110,113
**DESIGN FOR A COMBINED MAKE-UP BOX AND MIRROR**
Carroll K. Marcell, New York, N. Y.
Application February 3, 1938, Serial No. 74,842
Term of patent 3½ years



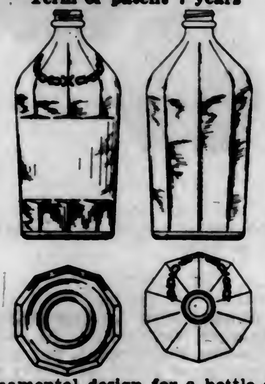
The ornamental design for a combined make-up box and mirror, as shown and described.

110,114
**DESIGN FOR A LIGHT DIFFUSING TORCHIERE SHADE**
Richard Orth, Philadelphia, Pa., assignor to Gill Glass & Fixture Company, Philadelphia, Pa., a corporation of Delaware
Application February 24, 1938, Serial No. 75,378
Term of patent 7 years



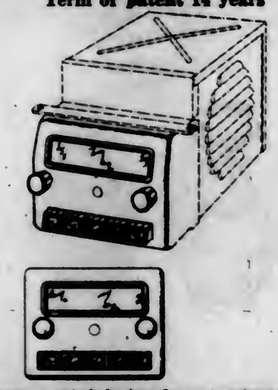
The ornamental design for a light diffusing torchiere shade, as shown and described.

110,115
**DESIGN FOR A BOTTLE**
George Smith, Jr., Olean, N. Y., assignor to Olean Glass Company, Olean, N. Y., a corporation of New York
Application April 19, 1938, Serial No. 76,597
Term of patent 7 years



The ornamental design for a bottle as shown.

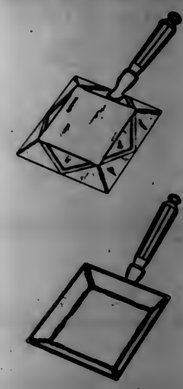
110,116
**DESIGN FOR AN AUTOMOBILE RADIO SET**
Howard J. Tyzzer, Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application March 28, 1938, Serial No. 76,124
Term of patent 14 years



The ornamental design for an automobile radio set as shown and described.



110,117
**DESIGN FOR A SKILLET**
Albert M. Weis, Milwaukee, Wis.
Application April 8, 1938, Serial No. 76,379
Term of patent 14 years



The ornamental design for a skillet, as shown.

110,118
**DESIGN FOR A DRESS**
Max Frankel, New York, N. Y.
Application April 20, 1938, Serial No. 76,636
Term of patent 3½ years



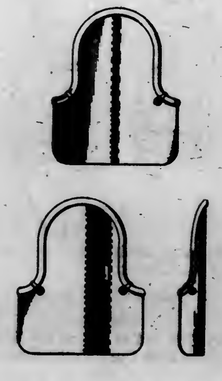
The ornamental design for a dress substantially as shown and described.

110,119
**DESIGN FOR A GIFT NOVELTY**
Mae A. Glazebrook, Memphis, Tenn.
Application October 16, 1937, Serial No. 72,245
Term of patent 3½ years



The ornamental design for a gift novelty, as shown.

110,120
**DESIGN FOR A DEFLECTOR FOR INFANT'S TOILET SEAT**
Walter S. Kraus, New York, N. Y.
Application November 15, 1937, Serial No. 72,897
Term of patent 7 years



The ornamental design for a deflector for infant's toilet seat as shown.

110,121
**DESIGN FOR A SWEATER ENSEMBLE**
Sam Levine, New York, N. Y.
Application April 28, 1938, Serial No. 76,778
Term of patent 3½ years



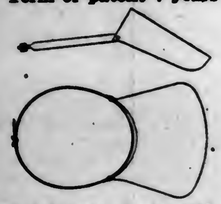
The ornamental design for a sweater ensemble substantially as shown and described.

110,122
**DESIGN FOR A HEEL FOR A SHOE**
Frank Lipp, Brooklyn, N. Y.
Application April 30, 1938, Serial No. 76,890
Term of patent 3½ years



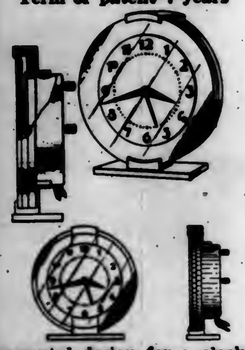
The ornamental design for a heel for a shoe substantially as shown.

110,123
**DESIGN FOR A SUNSHADE**
Thomas Pace and Cass T. Walker, San Jose, Calif.
Application March 11, 1938, Serial No. 75,758
Term of patent 7 years



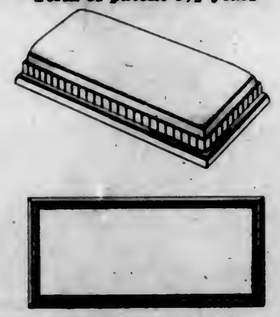
The ornamental design for a sunshade substantially as shown.

110,124
**DESIGN FOR A CLOCK CASING**
Max Schlenker, La Salle, Ill., assignor to General Time Instrument Corporation, New York, N. Y., a corporation of Delaware
Application July 29, 1937, Serial No. 70,720
Term of patent 7 years



The ornamental design for a clock casing, as shown and described.

110,125
**DESIGN FOR A JEWELRY BOX**
Lowell W. Shields, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application April 29, 1938, Serial No. 76,883
Term of patent 3½ years



The ornamental design for a jewelry box, as shown.

110,126
**DESIGN FOR A TELEPRINTER CABINET**
Victor Weidner, Port Washington, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application April 15, 1938, Serial No. 76,544
Term of patent 14 years



The ornamental design for a teleprinter cabinet, as shown and described.

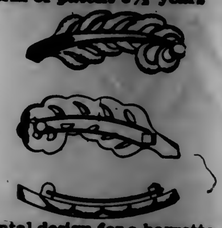
110,127
**DESIGN FOR A BARRETTE**
Daniel D. Whyte and Stephen F. Kayn, New York, N. Y., assignors to Injection Moulding Corporation, New York, N. Y.
Application October 7, 1937, Serial No. 72,043
Term of patent 3½ years



The ornamental design for a barrette, as shown.



110,128
**DESIGN FOR A BARRETTE**
Daniel D. Whyte and Stephen F. Kayn, New York, N. Y., assignors to Injection Moulding Corporation, New York, N. Y.
Application October 8, 1937, Serial No. 72,084
Term of patent 3½ years



The ornamental design for a barrette, as shown.

110,129
**DESIGN FOR A TEXTILE FABRIC**
Theresa Emmerich, New York, N. Y.
Application May 13, 1938, Serial No. 77,143
Term of patent 3½ years



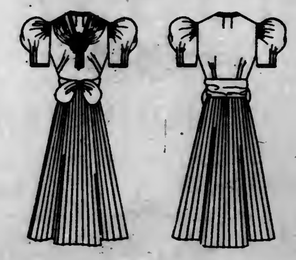
The ornamental design for a textile fabric substantially as shown.

110,130
**DESIGN FOR A DOLL OR SIMILAR ARTICLE**
Le Ray Fowler, New York, N. Y.
Application April 7, 1938, Serial No. 76,356
Term of patent 3½ years



The ornamental design for a doll or similar article, substantially as shown.

110,131
**DESIGN FOR A DRESS**
Pauline Fracchia, New York, N. Y.
Application March 25, 1938, Serial No. 76,686
Term of patent 3½ years



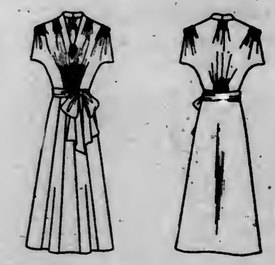
The ornamental design for a dress, substantially as shown.

110,132
**DESIGN FOR A DRESS**
Pauline Fracchia, New York, N. Y.
Application May 5, 1938, Serial No. 76,989
Term of patent 3½ years



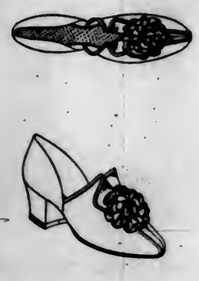
The ornamental design for a dress, substantially as shown.

110,133
**DESIGN FOR A DRESS**
Pauline Fracchia, New York, N. Y.
Application May 5, 1938, Serial No. 76,993
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

110,134
**DESIGN FOR A SLIPPER**
Rubin Kaminsky, New York, N. Y.
Application May 4, 1938, Serial No. 76,967
Term of patent 3½ years



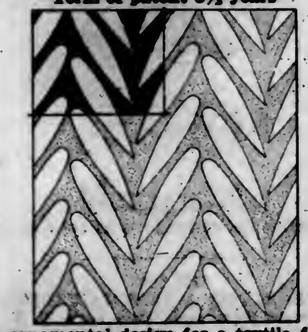
The ornamental design for a slipper, substantially as shown.

110,135
**DESIGN FOR A DRESS**
Henry Schultz, Brooklyn, N. Y.
Application May 12, 1938, Serial No. 77,136
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

110,136
**DESIGN FOR A TEXTILE FABRIC**
Theodore R. Upland, San Francisco, Calif., assignor to Gantner & Mattern Company, San Francisco, Calif., a corporation of California
Application November 8, 1937, Serial No. 72,692
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

110,137
**DESIGN FOR A HANDBAG**
Samuel R. Goldsmith, New York, N. Y.
Application May 4, 1938, Serial No. 76,969
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown.



THE
# OFFICIAL GAZETTE
OF THE
# United States Patent Office

Vol. 491—No. 3 TUESDAY, JUNE 21, 1938 Price—$16 per year

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**June 21, 1938**

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|---|---|---|---|
| Trade-Marks | 123—No. | 357,891 to No. | 358,022, inclusive. |
| T. M. Renewals | 14 | | |
| Labels | 27—No. | 51,392 to No. | 51,418, inclusive. |
| Prints | 16—No. | 16,891 to No. | 16,900, inclusive. |
| Reissues | 7—No. | 20,765 to No. | 20,771, inclusive. |
| Plant Patents | 9—No. | 269 to No. | 281, inclusive. |
| Patents | 813—No. | 2,120,960 to No. | 2,121,771, inclusive. |
| Designs | 97—No. | 110,128 to No. | 110,224, inclusive. |
| Total | 1,111 | | |

## NOTICE

[PUBLIC—No. 498—75TH CONGRESS]
[CHAPTER 183—3D SESSION]
[S. 477]
AN ACT

To prevent fraud, deception, or other improper practice in connection with business before the United States Patent Office, and for other purposes.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled*, That it shall be unlawful for any person who has not been duly recognized to practice before the United States Patent Office in accordance with the provisions of section 487 of the Revised Statutes (U. S. C., title 35, sec. 11) and the rules of the Patent Office to hold himself out or knowingly permit himself to be held out as a patent solicitor, patent agent, or patent attorney, or otherwise in any manner hold himself out, either directly or indirectly, as authorized to represent applicants for patent in their business before the Patent Office, and it shall be unlawful for any person who has, under the authority of section 487 of the Revised Statutes (U. S. C., title 35, sec. 11) been disbarred or excluded from practice before the Patent Office, and has not been reinstated, to hold himself out in any manner whatever as entitled to represent or assist persons in the transaction of business before the Patent Office or any division thereof; and any offense against the foregoing provision shall be a misdemeanor and be punished by a fine of not less than $50 and not exceeding $500.

Approved, May 9, 1938.

## Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., May 20, 1938.*

*Homer A. Trussell, his assigns or legal representatives, take notice:*

An interference having been declared by this Office between the patent granted November 30, 1937, No. 2,100,676, to Homer A. Trussell, then at 4090 Balfour Avenue, Detroit, Mich., but later residing at 5428 Baum Boulevard, Pittsburgh, Pa., and a notice of such declaration sent by registered mail to said Trussell at the above addresses having been returned by the post office as undeliverable, notice is hereby given that unless said Trussell, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

## Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., May 26, 1938.*

*Mildred Alice Berkeley, her assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of The Doerman Shoe Mfg. Co., South Milwaukee, Wis., to effect the cancellation of trade-mark registration No. 201,507, issued July 28, 1925, to Mildred Alice Berkeley, 1111 Grand Avenue, Kansas City, Mo., and a notice of such proceeding sent by registered mail to said Berkeley at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Berkeley, her assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

## Condition of Applications Under Examination at Close of Business June 4, 1938

(Total number of applications awaiting action, excluding Trade-Mark Division, 45,802. Trade-Mark Division, 1,565. Oldest new case, Nov. 2, 1937; oldest amended, Oct. 4, 1937.)
(The dates given are 1938 except where † indicates 1937)

| Room No. | Divisions, Examiners, and Subjects of Inventions | Oldest new application and oldest action by applicant awaiting office action: New | Amended | No. of applications awaiting action |
|---|---|---|---|---|
| 6634 | 1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage. | Jan. 3 | Jan. 5 | 760 |
| 6708 | 2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture. | †Dec. 29 | †Dec. 29 | 963 |
| 4068 | 3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces | Apr. 7 | Apr. 5 | 264 |
| 7063 | 4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes. | Feb. 11 | Feb. 19 | 534 |
| 3077 | 5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons | Mar. 4 | Mar. 4 | 614 |
| 4096C | 6. LEWERS, A. M., Carbon Chemistry (part) | Jan. 24 | Jan. 25 | 991 |
| 5725 | 7. JARBOE, C. G., Optics; Photography | Feb. 15 | Feb. 15 | 957 |
| 3885 | 8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets | Feb. 24 | Feb. 22 | 615 |
| 4624 | 9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors | Mar. 23 | Mar. 18 | 431 |
| 6612 | 10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices. | Feb. 4 | Feb. 4 | 827 |
| 6087B | 11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather. | Feb. 18 | Feb. 19 | 823 |
| 7701 | 12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes. | †Nov. 11 | †Nov. 12 | 973 |
| 5086 | 13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling. | Jan. 24 | Jan. 24 | 601 |
| 5007 | 14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes. | Mar. 16 | Mar. 17 | 522 |
| 4807 | 15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics | Feb. 9 | Feb. 9 | 1,279 |
| 5716 | 16. SPENCER, C. J., Telegraphy; Telephony | Jan. 18 | Jan. 18 | 953 |
| 5701 | 17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting. | Feb. 7 | Feb. 1 | 700 |
| 4612 | 18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | Jan. 21 | Jan. 31 | 497 |
| 4096 | 19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners | Feb. 19 | Feb. 14 | 656 |
| 6005 | 20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making. | Feb. 23 | Feb. 23 | 421 |
| 7782 | 21. THOMPSON, T. J., Textiles; Cloth Finishing | Mar. 4 | Mar. 4 | 536 |
| 5600 | 22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion. | Mar. 7 | Mar. 7 | 632 |
| 7624 | 23. BUTTNER, W. J., Registers (part) | †Nov. 2 | †Oct. 4 | 326 |
| 5683 | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Feb. 28 | Mar. 2 | 641 |
| 5709 | 25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors. | Feb. 14 | Feb. 17 | 603 |
| 5693 | 26. YOUNG, R. R., Electricity, Generation; Motive Power | Feb. 12 | Feb. 8 | 529 |
| 5703 | 27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing | †Dec. 15 | †Dec. 15 | 1,048 |
| 4626 | 28. SOLYOM, H. L., Internal-Combustion Engines | Mar. 2 | Feb. 24 | 336 |
| 5082 | 29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables. | †Dec. 9 | †Dec. 9 | 988 |
| 4083 | 30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats. | Jan. 4 | Jan. 4 | 827 |
| 4716 | 31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons | Mar. 4 | Mar. 4 | 566 |
| 4086 | 32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating | Feb. 26 | Feb. 26 | 585 |
| 6096 | 33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads | Mar. 9 | Feb. 11 | 777 |
| 6626 | 34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders. | Mar. 4 | Feb. 21 | 334 |
| 3876 | 35. REYNOLDS, E. O., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles | Mar. 9 | Mar. 9 | 647 |
| 7083 | 36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers | †Dec. 27 | Jan. 5 | 586 |
| 5696B | 37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits | †Dec. 3 | †Dec. 2 | 898 |
| 3084 | 38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions. | †Dec. 8 | †Dec. 4 | 807 |
| 4578 | 39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances. | Jan. 29 | Feb. 5 | 600 |
| 7080 | 40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles | Jan. 12 | Jan. 12 | 1,471 |
| 7612 | 41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part) | Feb. 18 | Feb. 10 | 321 |
| 6083 | 42. CUTTING, H. O., Electric Signaling | †Dec. 2 | †Nov. 11 | 736 |
| 4096B | 43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch. | Feb. 23 | Feb. 23 | 617 |
| 4087B | 44. HARVEY, L. P., Refrigeration; Dispensing Beverages | Jan. 7 | Jan. 7 | 741 |
| 7086 | 45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles. | Feb. 4 | Feb. 3 | 814 |
| 4613 | 46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines. | Feb. 5 | Feb. 5 | 600 |
| 6082 | 47. LOWE, E. R. (Act.), Clutches; Brakes | Feb. 14 | Feb. 16 | 661 |
| 5731 | 48. ROEPKE, O. B., Electricity, General Applications; Igniters | Feb. 21 | Feb. 21 | 482 |
| 7726 | 49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification | †Nov. 15 | †Nov. 27 | 994 |
| 4701 | 50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products | Feb. 28 | Feb. 28 | 695 |
| 5628 | 51. BACKUS, C. D., Radiant Energy | Mar. 1 | Mar. 1 | 836 |
| 7709 | 52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits. | Feb. 25 | Feb. 24 | 820 |
| 6697 | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging. | Feb. 5 | Feb. 9 | 601 |
| 5874 | 54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes | Apr. 5 | Apr. 5 | 413 |
| 6682 | 55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery | Jan. 4 | Jan. 6 | 1,065 |
| 4726 | 56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making | Jan. 6 | Jan. 6 | 1,048 |
| 6613 | 57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks, Toys. | Feb. 9 | Feb. 10 | 507 |
| 5608 | 58. DOWELL, E. F., Abrading; Bottles and Jars | Mar. 21 | Mar. 16 | 328 |
| 4709 | 59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation. | Mar. 1 | Mar. 11 | 658 |
| 5606 | 60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants | Jan. 21 | Jan. 21 | 575 |
| 6724 | 61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery. | †Dec. 11 | †Dec. 16 | 732 |
| 5621 | 62. PUGH, E. C., Games; Geometrical Instruments | Mar. 11 | Mar. 2 | 553 |
| 4082 | 63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation | Feb. 28 | Feb. 28 | 332 |
| 4705 | 64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel. | Feb. 1 | Feb. 1 | 1,204 |
| 5612 | 65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission | Jan. 15 | Jan. 14 | 661 |
| 2099B | Trade-Marks, Labels, and Prints: F. A. RICHMOND | Apr. 13 | May 2 | 1,415 |
| | Trade-Marks | May 25 | May 26 | 150 |
| 2096 | Labels and Prints | Apr. 20 | May 16 | 625 |
| | Designs: H. H. KALUPY | | | |



# DECISIONS IN PATENT AND TRADE-MARK CASES

## Supreme Court of the United States

GENERAL ELECTRIC CO.

*v.*

WABASH APPLIANCE CORP. ET AL.

*No. 463. Decided May 16, 1938*

1. PATENTABILITY—INDEFINITE CLAIMS—LAMP FILAMENT.
Claims 25, 26, and 27 of the Pacz Patent No. 1,410,499 for a lamp filament *Held* invalid because not sufficiently definite to satisfy the requirements of R. S. 4888.

2. SAME—SAME.
"The statute seeks to guard against unreasonable advantages to the patentee and disadvantages to others arising from uncertainty as to their rights. The inventor must 'inform the public during the life of the patent of the limits of the monopoly asserted, so that it may be known which features may be safely used or manufactured without a license and which may not.' The claims 'measure the invention'."

3. SAME—SAME.
"The claim further states that the grains must be 'of such size and contour as to prevent substantial sagging and offsetting' during a commercially useful life for the lamp. The clause is inadequate as a description of the structural characteristics of the grains. Apart from the statement with respect to their function, nothing said about their size distinguishes the earliest filaments, and nothing whatever is said which is descriptive of their contour . . ., not even that 'they are irregular.'"

4. SAME—FUNCTIONAL CLAIMS.
". . . the vice of a functional claim exists not only when a claim is 'wholly' functional, if that is ever true, but also when the inventor is painstaking when he recites what has already been seen, and then uses conveniently functional language at the exact point of novelty."

5. SAME—SAME—INVENTIONS DIFFICULT TO DESCRIBE.
"The difficulty of making adequate description may have some bearing on the sufficiency of the description attempted, but it cannot justify a claim describing nothing new except perhaps in functional terms."

6. SAME—CLAIMS DEFINING PRODUCT IN TERMS OF PROCESS.
"Although in some instances a claim may validly describe a new product with some reference to the method of production, a patentee who does not distinguish his product from what is old except by reference, express or constructive, to the process by which he produced it, cannot secure a monopoly on the product by whatever means produced."

7. PRODUCT CLAIMS—SCOPE OF.
"The claims in suit seek to monopolize the product however created, and may not be reworded, in an effort to establish their validity, to cover only the products of the process described in the specification, or its equivalent."

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Second Circuit.

Affirmed.

*Mr. Merrell E. Clark* (*Mr. Hubert Howson* and *Mr. Alexander C. Neave* with him on the brief) for petitioner.

*Mr. Samuel E. Darby, Jr.* (*Mr. Paul Kolisch* with him on the brief) for respondents.

Mr. Justice REED delivered the opinion of the Court.

Petitioner, General Electric Company, brought this patent infringement suit based on Pacz Patent No. 1,410,499, relating to a tungsten filament for incandescent lamps. The patent, issued March 21, 1922, on an application filed February 20, 1917, contains process and product claims; only the latter are here involved. The District Court for Eastern New York held claims 25, 26, and 27 valid and infringed, and gave petitioner a decree for an injunction and accounting. 17 F. Supp. 901. The Court of Appeals for the Second Circuit held that petitioner's product was anticipated by filament produced under the teachings of the Coolidge Patent No. 1,082,933, and reversed with directions to dismiss the bill of complaint. 91 F.(2d) 904. This decision conflicted with that handed down by the Court of Appeals for the Ninth Circuit, *Anraku* v. *General Electric Co.*, 80 F.(2d) 958, which held the same claims valid and infringed. To resolve the conflict, this Court granted certiorari, — U. S. —.

In incandescent lamps, 'the tungsten filament, through which the electric current passes, grows more luminous than the carbon filament of the early days of the art. There were faults of "offsetting" and "sagging", however, affecting the efficiency of the first tungsten filaments. "Offsetting" occurs when, during heating in the use of the lamp, the filament forms crystals which extend their boundaries across the entire diameter of the filament, substantially perpendicular to its axis. The crystals in the filament thus come to have an appearance, somewhat analogous to the joints in a bamboo rod. Lateral slipping of the crystals reduces the cross-sectional area at the point of contact of the crystals with the result that the temperature at that point is increased, thus hastening the burn-out, and the filament is weakened. "Sagging" is a change of position by the filament during incandescence. It elongates and thus is forced out of the plane it occupied between fixed supports. Sagging has many objections. The sagging filament may touch the glass and end the life of the lamp. In gas-filled lamps, when sagging causes the coils to spread apart, the gas flows in between the coils and unduly cools the filament. Combatting sagging by additional supports is also said to cool the filament, and reduce electrical efficiency.

Pacz undertook to remedy these faults. He carried out many experiments, and his 218th effort, made while he was in the employ of petitioner company, yielded the discovery disclosed by the patent in suit. The specification asserts that by means of his invention—

"the sagging is substantially eliminated and 'offsetting' of the filament is substantially prevented, during a normal or commercially useful life of the lamp."

He brings

"into intimate association with tungsten a material [an alkaline silicate] which will have the desired influence upon the grain growth of the metal."

The specification continues as follows:

"When the metal reaches the temperature at which extensive grain growth would ordinarily take place, the presence of this material intimately associated with the tungsten particles has a marked effect on the shape and size of the tungsten grains. The ingot of tungsten thus produced, whether it be due to the fact that the grains have not reached the equilibrium grain size or to other causes, is particularly susceptible to grain growth during subsequent heat treatments.

"The probable reason why filaments made according to my invention do not sag, is that the structure is comparatively coarse grained. The coarse grained filament produced by means of my invention does not 'offset' so as to cut short the life of the lamp appreciably."

The district court found that Pacz's patent exhibited novelty and invention; that Pacz produced large crystals early in the life of the lamp; that although coarse-grained, and thus non-sagging, filaments meant "offsetting" to the art, where it was "common knowledge" that grains large enough to extend across the filament induced slippage, Pacz procured a particular kind of coarse-grained filament which did not "offset" because of the nature of the boundaries of the grains, their contour being "a very important element."

The circuit court of appeals held that the Pacz product was anticipated by Patent No. 1,082,933, issued December 30, 1913, to William D. Coolidge for a process of producing ductile tungsten for incandescent electric lamp filaments and for the product itself.

The question before this Court is the validity of the claims in suit. Claim 25, which is typical,[1] reads as follows:

"25. A filament for electric incandescent lamps or other devices, composed substantially of tungsten and made up mainly of a number of comparatively large grains of such size and contour as to prevent substantial sagging and offsetting during a normal or commercially useful life for such a lamp or other device."

[1] [2] We need not inquire whether Pacz exhibited invention, or whether his product was anticipated. The claim is invalid on its face. It fails to make a disclosure sufficiently definite to satisfy the requirements of R. S. § 4888, 35 U. S. C. § 33. That section requires that an applicant for a patent file a written description of his discovery or invention—

"in such full, clear, concise, and exact terms as to enable any person skilled in the art or science to which it appertains . . . to make, construct, compound and use the same; . . . and he shall particularly point out and distinctly claim the part, improvement, or combination which he claims as his invention or discovery."

We may assume that Pacz has sufficiently informed those skilled in the art how to make and use his filament. The statute has another command. Recognizing that most inventions represent improvements on some existing article, process or machine, and that a description of the invention must in large part set out what is old in order to facilitate the understanding of what is new, Congress requires of the applicant

"a distinct and specific statement of what he claims to be new, and to be his invention."[2]

Patents, whether basic or for improvements, must comply accurately and precisely with the statutory requirement as to claims of invention or discovery. The limits of a patent must be known for the protection of the patentee, the encouragement of the inventive genius of others and the assurance that the subject of the patent will be dedicated ultimately to the public.[3] The statute seeks to guard against unreasonable advantages to the patentee and disadvantages of others arising from uncertainty as to their rights.[4] The inventor must—

"inform the public during the life of the patent of the limits of the monopoly asserted, so that it may be known which features may be safely used or manufactured without a license and which may not."[5]

The claims "measure the invention."[6] Patentees may reasonably anticipate that claimed inventions, improvements and discoveries, turning on points so refined as the granular structure of products require precise descriptions of the new characteristics for which protection is sought. In a limited field the variant must be clearly defined. This was one in a series of patents. *United States* v. *General Electric Co.*, 272 U. S. 476, 480.

Pacz did not adequately set out—

"what he claims to be new."

The tungsten filament—

"made up mainly of a number of comparatively large grains,"

differentiates the claimed invention from tungsten drawn into a single crystal (Schaller No. 1,256,930), and from Coolidge's fine-grained thoriated filament, but serves aptly to describe the product of earlier manufacture, with its large regular grains subject to offsetting. According to the district court, the earliest, so-called "squirted," tungsten filaments, also—

"consisted of comparatively large crystals, many of which were large enough to extend clear across the filament, but they shifted."

17 F. Supp. at 902. The failure of the patentee to make claim to a distinct improvement is made clear by comparison of the language of the claims under consideration with descriptions of offset difficulties recognized by other inventors.[7]

[3] The claim further states that the grains must be "of such size and contour as to prevent substantial sagging and offsetting" during a commercially useful life for the lamp. The clause is inadequate as a description of the structural characteristics of the grains. Apart from the statement with respect to their function, nothing said about their size distinguishes the earliest filaments, and nothing whatever is said which is descriptive of their contour (termed by the district court a "very important element"), not even that they are irregular.

[4] The claim uses indeterminate adjectives which describe the function of the grains to the exclusion of any structural definition, and thus falls within the condemnation of the doctrine that a patentee may not broaden his product claims by describing the product in terms of function.[8] Claim 25 vividly illustrates the vice of a description in terms of function.

"As a description of the invention it is insufficient and if allowed would extend the monopoly beyond the invention."[9]

The Court of Appeals for the Ninth Circuit relied on the fact that the description in the claims is not "wholly" functional.[10] 80 F.(2d) 958, 963. But the vice of a functional claim exists not only when a claim is "wholly" functional, if that is ever true, but also when the inventor is painstaking when he recites what has already been seen, and then uses conveniently functional language at the exact point of novelty.[11]

A limited use of terms of effect or result, which accurately define the essential qualities of a product to one skilled in the art, may in some instances be permissible and even desirable, but a characteristic essential to novelty may not be distinguished from the old art solely by its tendency to remedy the problems in the art met by the patent. And we may doubt whether the language used in claim 25, taken by itself, conveyed definite meaning to those skilled in the art of incandescent lighting.[12]

[5] The circuit court of appeals below suggested that—

"In view of the difficulty, if not impossibility, of describing adequately a number of microscopic and heterogenerous shapes of crystals, it may be that Pacz made the best disclosure possible, . . ."

But Congress requires, for the protection of the public, that the inventor set out a definite limitation of his patent; that condition must be satisfied before the monopoly is granted.[13] The difficulty of making adequate description may have some bearing on the sufficiency of the description attempted, but it cannot justify a claim describing nothing new except perhaps in functional terms. It may be doubted whether one who discovers or invents a product he knows to be new will ever find it impossible to describe some aspect of its novelty.

[6] The product claims here involved cannot be validated by reference to the specification. Assuming that in a proper case a claim may be upheld by reference to the descriptive part of the specification in order to give definite content to elements stated in the claim in broad or functional terms,[14] the specification of the Pacz patent does not attempt in any way to describe the filament, except by mention of its coarse-grained quality. Even assuming that definiteness may be imparted to the product claim by that part of the specification which purportedly details only a method of making the product,[15] the description of the Pacz process is likewise silent as to the nature of the filament product. Although in some instances a claim may validly describe a new product with some reference to the method of production,[16] a patentee who does not distinguish his product from what is old except by reference, express or constructive, to the process by which he produced it, cannot secure a monopoly on the product by whatever means produced.

"Every patent for a product or composition of matter must identify it so that it can be recognized aside from the description of the process for making it, or else nothing can be held to infringe the patent which is not made by that process."[17]

[7] Finally, the product claims may not be saved by a limitation to products produced in accordance with the process set out in the specification. This construction, though possibly of no avail against respondent, might add to the protection afforded petitioner by the process claims, if they are valid, in view of its application to filaments produced

[1] "26. A drawn filament for electric incandescent lamps or other devices, composed substantially of tungsten and made up mainly of a number of comparatively large grains of such size and contour as to prevent substantial sagging and off-setting during a normal or commercially useful life for such a lamp or other device.

"27. A filament for electric incandescent lamps or other devices, composed of tungsten containing less than three-fourths of one percent of non-metallic material and made up mainly of comparatively large grains of such size and contour as to prevent substantial sagging or offsetting during a normal or commercially useful life for such a lamp or other device."

[2] *Merrill* v. *Yeomans*, 94 U. S. 568, 570.

[3] Cf. The Incandescent Lamp Patent, 159 U. S. 465, 474ff.

[4] See *Brooks* v. *Fiske*, 15 How. 212, 215.

[5] *Permutit* v. *Graver Corp.*, 284 U. S. 52, 60; *Grant* v. *Raymond*, 6 Pet. 218, 247.

[6] *Continental Paper Bag Co.* v. *Eastern Paper Bag Co.*, 210 U. S. 405, 419.

[7] "When this crystallization becomes excessive the crystals may, in the case of a filament, become so large as to extend across the entire section of the filament and thereupon the sections may move laterally upon each other and produce the condition known as 'offsetting'. I shall hereinafter describe more in detail the special method which I employ for minimizing the loss in ductility and for preventing this offsetting effect." Coolidge patent, No. 1,082,933.

"Such crystals seem to increase in size in much the same manner as crystals formed in liquid solutions, and, if the crystals become large enough to extend almost or entirely across the filament, adjacent crystals tend to slip along their cleavage planes thereby giving the filament the offset or faulted appearance above referred to." Myers and Hall patent, No. 1,363,162.

[8] *Holland Furniture Co.* v. *Perkins Glue Co.*, 277 U. S. 245, 256–258, and cases cited.

[9] 277 U. S. at 258.

[10] Presumably that court would have assented to the condemnation of other product claims of the patent in suit, containing even less description than the ones under discussion:

"28. A coiled filament composed substantially of tungsten and capable of use in an electric incandescent lamp without either substantial sagging or offsetting during a normal or commercially useful life.

"29. A coiled filament composed mainly of drawn tungsten and capable of use in an electric incandescent lamp without substantial sagging and without substantial offsetting during a normal or commercially useful life."

[11] See *Gyroscope Corp.* v. *Dilco Institute*, 85 F.(2d) 103, 105; *Davis Co.* v. *New Departure Co.*, 217 Fed. 775, at 782.

[12] There is no showing whether, under established principles in the science, the language indicated grains extending across the width of filament, and if so whether the boundaries were irregular, or regular but not perpendicular to the axis of the filament; or whether the language indicated grains larger than the fine grains of Coolidge's thoriated filament but not large enough to extend across the entire section, and if so what type of boundaries existed.

Indeed, those merely skilled might have suspected the absence of crystals large enough to extend across the entire section of the filament, in view of the efforts of other patentees to avoid such crystals, (Coolidge, No. 1,082,933, p. 2, l. 13; *Myers* v. *Hall*, No. 1,363,162, p. 1, l. 56), and in view of the "common knowledge in the art that where grain boundaries, large enough to extend across the filament, were produced, there would be bound to be slippage" (17 F. Supp. 901, at 903); yet those are the crystals found in respondent's lamps.

[13] Different considerations may apply under the act of May 23, 1930, c. 312, §2, 46 Stat. 376, 35 U. S. C. §33, providing that no "plant patent shall be declared invalid on the ground of non-compliance with this section if the description is made as complete as is reasonably possible."

[14] Compare *Mitchell* v. *Tilghman*, 19 Wall. 287, 391; *Westinghouse* v. *Boyden Power Brake Co.*, 170 U. S. 537, 557–558.

[15] Compare *Holland Furniture Co.* v. *Perkins Glue Co.*, 277 U. S. at 255, with *United States Repair & Guarantee Co.* v. *Assyrian Asphalt Co.*, 183 U. S. 591, at 600–601.

[16] Cf. *Dunn Wire-Cut Lug Brick Co.* v. *Toronto Fire Clay Co.*, 259 Fed. 258, 261; *Trussell Mfg. Co.* v. *Wilson-Jones Co.*, 50 F.(2d) 1027, 1029.

[17] *Cochrane* v. *Badische Anilin and Soda Fabrik*, 111 U. S. 293, 310. See also *Hide-Ite Leather Co.* v. *Fiber Products Co.*, 226 Fed. 34, 36; cf. *Maurer* v. *Dickerson*, 113 Fed. 870, 874.

See also *National Carbon Co.* v. *Western Shade Cloth Co.*, 93 F.(2d) 94, 97:

"It has been said that a claim for a product produced by any process which will produce a like result covers the product only when made by equivalent processes. *Pickhardt* v. *Packard* (C. C.) 22 F. 530."

abroad. But putting aside questions as to the general propriety of such a construction,[24] unless the claim uses language explicitly referring to the method of preparation, or describing the product in phrases suggestive of that process,[25] to save the product claim in this fashion would constitute an improper importation into the claim of a factor nowhere described there.[26] The claims in suit seek to monopolize the product however created, and may not be reworded, in an effort to establish their validity, to cover only the products of the process described in the specification, or its equivalent.

For reasons set out, claims 25, 26, 27 are invalid. The judgment is

Affirmed.

Mr. Justice CARDOZO took no part in the consideration or decision of this case.

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## U. S. Court of Customs and Patent Appeals

TENNEY v. NORDMEYER ET AL.

*No. 3,877. Decided February 7, 1938*

[94 F.(2d) 396]

INTERFERENCE—INTERLOCUTORY APPEAL TO COURT—JURISDICTION.

Where the Board of Appeals affirmed the decision of the Primary Examiner dissolving the interference on the ground that the party T. could not make the claim in issue *Held* "The decision of the Board being interlocutory in character, the question of priority of invention not being involved, this court is without jurisdiction to entertain the appeal from that decision.

APPEAL from Patent Office. Dismissed.

*Mr. Martin T. Fisher, Mr. Forbes Silsby,* and *Mr. Benjamin Sweedler* for Tenney.

*Mr. Russel N. Low, Mr. Henry Love Clarke,* and *Mr. Thomas J. P. O'Brien* for Nordmeyer et al.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner dissolving the interference on the ground that appellant Tenney was not entitled to make the claim constituting the single count in issue.

The invention relates to a process for making water gas.

The count in issue was taken from appellees' Patent No. 1,947,792, issued February 20, 1934, on an application, Serial No. 537,968, filed May 16, 1931. It reads:

The process of manufacturing water gas which consists in alternately introducing an air blast and a steam run into the fuel bed of a gas generator, and admitting heavy oil into the top of the generator simultaneously with the steam run to enrich the resulting gas, said air blast being introduced in a reverse direction into the generator and downwardly through at least the upper portion of the fuel bed to consume carbonaceous deposits resulting from the admission of said heavy oil, and withdrawing the air blast from the generator at a point below the top of the fuel bed.

Appellant's application, Serial No. 640,593, was filed November 1, 1932, as a division of his parent application No. 31,028, filed May 18, 1925.

The interference was declared January 22, 1935.

On May 6, 1935, the Examiner of Interferences gave notice to appellees that, as they were the junior party and had failed to file a preliminary statement, judgment on the record would be rendered against them, unless good and sufficient cause was shown why such judgment should not be rendered.

Thereafter, on August 6, 1935, counsel for appellees filed a motion to dissolve the interference on the ground that appellant had no right to make the claim constituting the count in the interference, and on the further ground that "the assertion of the count at this time is an attempt by him to enlarge the scope of his application." Counsel for appellees, apparently taking the position that appellant's involved application was not a true division of his parent application, contended that his alleged divisional application contained matter not covered by his parent application.

It is here contended by counsel for appellees that the raising of the issue of whether appellant's involved application is a true division of his parent application in the motion to dissolve is the equivalent of the filing of a motion to shift the burden of proof.

The Primary Examiner held that the claim constituting the count in issue did not read on appellant's disclosure; that appellant was not entitled to make the count; and, accordingly, sustained appellees' motion to dissolve the interference.

Appellant appealed to the Board of Appeals, claiming that the Primary Examiner erred in sustaining appellees' motion to dissolve.

The Board of Appeals affirmed the decision of the Primary Examiner "dissolving the interference" on the ground that appellant could not make the claim constituting the count in the interference, and, in its decision, stated, in substance, that it was presumed that appellant was relying on his parent application for reduction to practice, but that that question was one involving the shifting of the burden of proof and was not appealable to that tribunal.

From the Board's decision, appellant appealed to this court.

By a motion to dismiss the appeal, a jurisdictional question is presented. The court heard arguments on the motion at the time the cause was submitted on the merits.

Counsel for appellees contend that the decision of the Board of Appeals is interlocutory in character; that neither the Primary Examiner nor the Board of Appeals had authority to enter an award of priority of invention; that neither attempted to do so; and that as no award of priority was or could have been made by the Board of Appeals, and as this court's jurisdiction in cases of this character is limited to appeals from decisions of the Board of Appeals awarding priority of invention, it is without jurisdiction to consider the issues attempted to be raised by the appeal.

Counsel for appellant insists that, although neither of the tribunals of the Patent Office awarded priority of invention to appellees, they should have done so, and, it is argued, that, as this court will look to the substance rather than to the form of a judgment, the Board's decision in the instant case should be considered as though it awarded priority of invention to appellees. Counsel rely upon the case of *Cosper* v. *Gold*, 36 App. D. C. 302, 168 O. G. 787, and cite other authorities, which, it is claimed, support their contentions.

Rule 122 of the rules of practice in the United States Patent Office provides that motions to dissolve interferences on the ground that a party has no right to make the claims constituting the counts in issue, motions to shift the burden of proof, and all motions of a similar character shall be heard and determined by the Primary Examiner. It also provides that no interlocutory appeal will be entertained from a decision of the Primary Examiner on a motion to shift the burden of proof.

Rule 124 provides that appeal lies to the Board of Appeals from a decision of the Primary Examiner dissolving an interference, and that it will be heard inter partes. No such appeal is permitted, however, in cases where the Primary Examiner overrules motions to dissolve.

We find nothing in the rules of practice in the Patent Office to warrant a holding that the Primary Examiner has jurisdiction, on a motion to dissolve an interference, to determine the question of priority of invention. That issue is determinable by the examiner in charge of interferences, and, proper appeals being taken, by the Board of Appeals and this court.

In the instant case, the Primary Examiner had jurisdiction of the cause for the sole purpose of determining whether appellant was entitled to make the claim constituting the count in issue. The appeal to the Board of Appeals from the decision of the Primary Examiner dissolving the interference, as provided in rule 124, supra, did not confer jurisdiction upon the Board of Appeals of any issue other than that, which, under the rules of the Patent Office, was, by the motion to dissolve, conferred upon the Primary Examiner. Accordingly, the issue of priority of invention was not before either of those tribunals, and the decision of each was, in form and substance, a dissolution of the interference.

The decision of the Board being interlocutory in character, the question of priority of invention not being involved, this court is without jurisdiction to entertain the appeal from that decision. *In re Fullagar*, 32 App. D. C. 222, 138 O. G. 259; *Carlin* v. *Goldberg*, 45 App. D. C. 540, 236 O. G. 1222; *Field* v. *Colman*, 47 App. D. C. 189, 247 O. G. 246; *Headley & Thompson* v. *Bridges*, 18 C. C. P. A. (Patents) 1331, 48 F.(2d) 938, 1931 C. D. 405, 410 O. G. 544; *American Cable Co., Inc., et al.* v. *John A. Roebling's Sons Co. et al.*, 62 App. D. C. 168, 65 F.(2d) 801, 431 O. G. 534.

In the Carlin case, supra, the court stated that the sole issue involved in the appeal from the Commissioner of Patents was whether appellant Carlin disclosed an operative device, and held that the Commissioner had

"no jurisdiction to convert an appeal on a motion to dissolve for inoperativeness into an appeal upon the issue of priority."

In distinguishing that case from the case of *Cosper* v. *Gold*, supra, the court stated that, in the latter case, the question of priority had been tried, and that the case was in such condition that the

"issue of priority turned solely upon the right of Cosper to make the claims. Cosper was the senior party, both by the filing date and from the proofs; hence, if entitled to make the claims, his right to an award of priority was fully established."

The court also called attention to the fact that it had frequently held that its jurisdiction in interference cases was limited to the issue of priority of invention, and questions ancillary thereto, such, for example, as the right of a party to make the claims constituting the counts in issue.

This court has so frequently held to the same effect that no authorities need be cited.

In the instant case had the Primary Examiner held that appellant could make the claim constituting the count in issue and denied the motion to dissolve, the question of priority would have been determined by the Examiner of Interferences, and, on appeal, by the Board of Appeals. Before the Board of Appeals, and, on appeal, before this court, the question of the right of appellant to make the claim constituting the count in issue would then have been ancillary to the main question at issue, to wit, the question of priority.

However, the case did not take that course. The interference was dissolved by the properly constituted tribunals, and, as stated, in substance, by the court in the case of *Carlin* v. *Goldberg*, supra, no cause of action survived or existed upon which an award of priority could be based. We quote from the court's opinion in that case:

The statute reposes in the Commissioner of Patents, without right of appeal, the authority of declaring an interference, and if, upon motion to dissolve, it subsequently becomes apparent that such an interference should not have been declared, there is no reason why the interference should not be terminated by the same authority that granted it, without right of appeal from his decision.

Counsel for appellant argue that the decisions in the cases of *United States ex rel. Newcomb Motor Co.* v. *Moore*, 30 App. D. C. 464, 133 O. G. 1680 and *In re Creveling*, 46 App. D. C. 536, 247 O. G. 747, support their proposition that it was the duty of the Board of Appeals in the instant case to award priority of invention so that the question of appellant's right to make the claim constituting the count in issue would be ancillary to the issue of priority, and that, therefore, this court should look to the substance of the Board's decision rather than to its form and hold that what should have been done, was, in fact, done. We have previously disposed of that question. It is further argued that the decisions in the Newcomb Motor Co. and Creveling cases, supra, indicate that, unless this court has

[24] *Steinfur Patents Corp.* v. *William Beyer, Inc.*, 62 F.(2d) 238, 241; *Buono* v. *Yankee Maid Dress Corp.*, 77 F.(2d) 274, 279; *Dunn Wire-Cut Lug Brick Co.* v. *Toronto Fire Clay Co.*, 259 Fed. 258, 261–262.

[25] *Smith* v. *Goodyear Dental Vulcanite Co.*, 93 U. S. 486; *Cochrane* v. *Badische Anilin and Soda Fabrik*, 111 U. S. 293, 310; *Plummer* v. *Sargent*, 120 U. S. 442, 448; *Downes* v. *Teter-Heany Development Co.*, 150 Fed. 122; *Hide-ite Leather Co.* v. *Fiber Products Co.*, 226 Fed. 34.

[26] Compare *McCarty* v. *Lehigh Valley R. Co.*, 160 U. S. 110, 116; *Altoona Pub. Theatres* v. *American Tri-Ergon Corp.*, 294 U. S. 477, 487.

jurisdiction of appellant's instant appeal, he is without remedy in the premises.

The question as to what procedure appellant should pursue in the Patent Office following the dismissal of the instant appeal is not directly involved in the determination of the issues presented by appellees' motion to dismiss.

It is true that there is language in both the Newcomb Motor Co. and Creveling cases, supra, cited by counsel for appellant which, without a full understanding of all the facts, might indicate that, after an interference is declared, it cannot be finally disposed of without an award of priority.

In the Newcomb Motor Co. case it appears that the Primary Examiner dissolved the interference on a motion filed for that purpose, and that the parties Lemp and Thompson, against whom the decision was rendered, abandoned their appeal to the Examiners in Chief, and attempted to proceed ex parte to secure the allowance of the claims which, it had been held in the interference, they were not entitled to make. In its decision, the court stated that the provisions of the rules of practice in the Patent Office relating to ex parte applications did not apply to inter partes actions; that, when an appeal from the Primary Examiner to the Examiners in Chief had been abandoned, the decision of the Primary Examiner became final and binding upon the parties Lemp and Thompson; and that the issues determined by the Primary Examiner could not again be raised in an ex parte prosecution of the Lemp and Thompson application.

There may be language in that decision which, as argued by counsel for appellant, might be construed as indicating that had the appeal not been abandoned, the court would have reached the same conclusion. However, we do not deem it proper to speculate as to what the court might have held had the facts been different.

In the case at bar appellant appealed from the decision of the Primary Examiner to the Board of Appeals in accordance with rule 124, supra. He did not abandon any right conferred upon him by the rules of practice in the Patent Office.

In the decision in the case of *In re Creveling*, supra, decided June 5, 1917, it is stated that an interference in which Creveling and a patentee, Jepson, were parties had been dissolved on a motion filed by Jepson, it being held that the party Creveling was not entitled to make the claims constituting the counts involved in the interference; that an appeal had been taken to the Court of Appeals of the District of Columbia from the decision dissolving the interference; that the appeal was dismissed by that court on the authority of *In re Fullagar*, supra, and *Cosper* v. *Gold*, 34 App. D. C. 194, 151 O. G. 194; that it was held in those cases that appeal did not lie to the Court of Appeals from an interlocutory decision dissolving an interference; and that the court had jurisdiction to determine the question of the right of a party to make claims constituting the counts in an interference only in the event an award of priority had been made by the tribunals of the Patent Office. The court further stated that, when Creveling's appeal was dismissed in the inter partes case, he took no further action therein, but proceeded to attempt to raise the question of his right to make the claims in an ex parte prosecution of his application. That, it was held, he had no right to do, the court stating that he should have remained in the inter partes case and there

"await a final decision in the interference proceeding; whatever might be the form of that decision (*Moore* v. *Henry*, 34 App. D. C. 31, 140 O. G. 831; *Re Selden*, 36 App. D. C. 428, 164 O. G. 741), and appeal therefrom to this court."

It is evident from the decision in that case that, although the tribunals of the Patent Office had jurisdiction to enter an award of priority in the interference proceeding involving the parties Creveling and Jepson, they failed to do so. (In the case at bar, the Board of Appeals did not have jurisdiction of the issue of priority of invention.) However, the decision in that case clearly points out that the court was without jurisdiction to entertain an appeal from an interlocutory decision dissolving an interference.

In conclusion we think it not improper to say that, in our opinion, a proper appeal being taken, appellant is entitled, under the law, to have his right to make the claim constituting the count in issue decided by this court.

If, as stated by the court in the Carlin case, supra, the dissolution of an interference by an interlocutory decision by the final appellate tribunal in the Patent Office (in the instant case the Board of Appeals), ends the interference and no cause of action survives or exists upon which an award of priority could be based, it would seem to be clear that, if appellant desires a decision by this court on the question of his right to make the claim constituting the count in the interference, an appeal might be taken in an ex parte prosecution of his application for a patent. See *In re Fullagar*, supra, 231; *Re Fullagar* 40 App. D. C. 510, 514, 192 O. G. 1263; *Gideon Sundback* v. *George W. Blair* and *Joseph E. Perrault*, 18 C. C. P. A. (Patents) 1016, 1019, 47 F.(2d) 378, 1931 C. D. 259, 408 O. G. 290; *American Cable Co., Inc., et al.* v. *John A. Roebling's Sons Co. et al.*, supra.

Subsequent to the filing of the record in this court, appellees filed a motion suggesting the diminution of the record by adding thereto a certain portion of the decision of the Primary Examiner, which had not been included in the transcript of record as originally filed, together with copies of certain patents that were cited in the ex parte prosecution of appellees' application, the patents to be used in construing the claim constituting the count in issue. The motion was granted, subject, however, to the order of the court that the costs for printing the additional material requested by appellees should be taxed on final decision.

We are of opinion that, had this court jurisdiction to determine the issues attempted to be raised by the appeal, the additional material so certified to the court would have been necessary for a proper determination of such issues. Accordingly, the costs of printing the same will be taxed against appellant.

For the reasons stated, the appeal is dismissed.

Dismissed.



## Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,262,860, S. B. Smith, Incubator, D. C., S. D. Calif., S. Div., Doc. E 106–A, *S. B. Smith* v. *E. H. Schlink et al.* Dismissed with prejudice Apr. 7, 1938. Doc. E 112–A, *S. B. Smith* v. *J. W. Ingle.* Doc. E 111–A, *S. B. Smith* v. *H. E. Miller et al.* Dismissed with prejudice Apr. 7, 1938.

1,332,545, R. de Filippis, Variable steering device for vehicles; 1,357,491, same, Automatic steering device for vehicles, appeal filed Apr. 6, 1938, C. C. A., 2d Cir., Doc. —, *The Automatic Toy Corp.* v. *Buddy "L" Mfg. Co., Inc.*

1,350,752, H. J. Van der Bijl, High frequency signaling; 1,403,475, H. D. Arnold, Vacuum tube circuit; 1,448,550, same, Thermionic amplifier circuit; 1,507,016, L. de Forest, Radiosignaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,531,805, R. C. Mathes, Oscillation generator; 1,592,934, R. V. Hartley, Means for modulating high frequency oscillations; 1,596,198, S. Loewe, System for generating oscillations; 1,823,322, R. A. Heising, Wave transmitting and amplifying; 1,966,065, R. Gunn, Modulation system; Re. 17,245, Re. 17,247, W. G. Cady, Method of maintaining electric currents of constant frequency; Re. 17,355, same, Piezo-electric resonator, D. C., N. D. Calif. (San Francisco), Doc. E 3946–L, *R. C. A. et al* v. *Heintz & Kaufman, Ltd.* Dismissed Mar. 30, 1938.

1,356,763 (a), R. V. Hartley, Oscillation-generator; 1,403,475, H. D. Arnold, Vacuum tube circuit; 1,465,332, same, Vacuum tube amplifier; 1,520,994, same, Electron discharge amplifier; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radiosignaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,936,162, H. A. Heising, Transmission system, D. C., S. D. Calif. (Los Angeles), Doc. E 742–J, *R. C. A. et al.* v. *Globe Wireless, Ltd., et al.* Dismissed Apr. 1, 1938.

1,356,763 (b), R. V. Hartley, Oscillation-generator; 1,403,932, R. H. Wilson, Electron discharge device; 1,465,332, H. D. Arnold, Vacuum tube circuit; 1,520,994, same, Electron discharge amplifier; 1,447,773, Espenschied & Bown, Radio transmission control system; 1,507,016; L. de Forest, Radiosignaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,544,081, F. K. Vreeland, Transmitting intelligence by radiant energy; 1,869,323, P. H. Evans, Communication system; 1,890,302, W. Runge, Arrangement for oscillation circuit; 1,896,780, F. B. Llewellyn, Modulating device; 1,936,162, R. A. Heising, Transmission system; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation; Re. 18,916, J. G. Aceves, Supply circuits for radio sets, D. C., N. D. Calif. (San Francisco), Doc. E 3945–L, *R. C. A. et al.* v. *Heintz & Kaufman, Ltd.* Dismissed Mar. 30, 1938.

1,357,491. (See 1,332,545.)

1,403,475. (See 1,350,752 and 1,356,763 (a).)

1,403,932. (See 1,356,763 (a) and (b).)

1,417,835. (See 1,506,371.)

1,447,773. (See 1,356,763 (b).)

1,448,550. (See 1,350,752.)

1,465,332. (See 1,356,763 (a) and (b).)

1,506,371, 1,020,900, L. Kirschbraun, Bituminous composition; 1,417,835, same, Process of making emulsions; 1,615,303, same, Process of making bituminous emulsions; 1,620,899, same, Bituminous composition and process of making same; 1,679,475, same, Process of making emulsions and product thereof, D. C., S. D. Calif. (Los Angeles), Doc. E 1327–RJ, *The Patent & Licensing Corp.* v. *The Glidden Co.* Consent decree for plaintiff Apr. 2, 1938.

1,507,016. (See 1,350,752 and 1,356,763 (a) and (b).)

1,507,017. (See 1,350,752 and 1,356,763 (a) and (b).)

1,520,994. (See 1,356,763 (a) and (b).)

1,531,805. (See 1,350,752.)

1,544,081. (See 1,356,763 (b).)

1,544,081, F. K. Vreeland, Transmitting intelligence by radiant energy; 1,778,456, I. Langmuir, Means for producing alternating currents, D. C., S. D. Calif. (Los Angeles), Doc. E 745–(C)J, *R. C. A. et al.* v. *Globe Wireless, Ltd., et al.* Dismissed Apr. 1, 1938.

1,551,314, H. K. Krantz, Thermal cutout; 1,668,974, A. J. Mottlau, Snap switch; 1,693,379, H. S. Gano, Thermal relay; 1,927,934, E. T. Ford, Automatic switch, filed Apr. 1, 1938, D. C., N. D. Ill., W. Div., Doc. 622, *Westinghouse Electric & Mfg. Co.* v. *Micro Switch Corp.*

1,592,934. (See 1,350,752.) 1,596,198. (See 1,350,752.)

1,615,303. (See 1,506,371.) 1,620,899. (See 1,506,371.)

1,620,900. (See 1,506,371.)

1,645,950, 1,823,143, 1,852,459, F. H. Hines, Electrical receptacle, C. C. A., 2d Cir., Doc. —, *Hines Electrical Specialties, Inc.*, v. *General Electric Supply Corp.* Decree affirmed (notice Apr. 4, 1938).

1,651,400, C. W. McKinley, Filter; 1,783,924, same, Oil filter member; 1,840,519, same, Oil filter by-pass, D. C., N. D. Ill., E. Div., Doc. 12259, *A. C. Spark Plug Co.* v. *H. W. Cooper, Inc.* Dismissed Mar. 7, 1938.

1,668,974. (See 1,551,314.) 1,679,475. (See 1,506,371.)

1,693,379. (See 1,551,314.)

1,716,255, Woodman & Dickie, Fabric and the manufacture thereof; 1,828,397, C. Dreyfus, Stiffening fabric and method of making same; 1,903,960, same, Fabric and sheet material and the manufacture thereof, appeal filed Apr. 4, 1938, C. C. A., 2d Cir., Doc. —, *Celanese Corp. of America.* v. *Essley Shirt Co., Inc.*

1,724,583, C. I. Hayes, Electric furnace; 1,808,721, same, Method for heat treatment, C. C. A., 2d Cir., Doc. —, *C. I. Hayes et al.* v. *Surface Combustion Corp.* Decree reversed (notice Apr. 4, 1938).

1,776,414, 1,931,978, C. Carlson, Hoisting apparatus, C. C. A., 2d Cir., Doc. —, *Carlson Hoist & Machine Co., Inc.*, v. *Builders Equipment Corp.* Decree affirmed (notice Apr. 11, 1938).

1,778,456. (See 1,544,081.) 1,783,924. (See 1,651,400.)

1,808,721. (See 1,724,583.) 1,823,143. (See 1,645,950.)

1,823,322. (See 1,350,752.) 1,828,397. (See 1,716,255.)

1,837,781, A. J. Linder, Saddle; 2,083,060, R. W. Faulhaber, Saddle and method of making same, filed Apr. 4, 1938, D. C., N. D. Ohio, W. Div., Doc. E 1614, *The Troxel Mfg. Co.* v. *R. W. Faulhaber.*

1,840,519. (See 1,651,400.) 1,852,459. (See 1,645,950.)

1,869,323. (See 1,356,763 (b).)

1,876,686, R. W. Kaltenbach, Car dumper chute control mechanism; 1,920,402, same, Car dumper, C. C. A., 4th Cir., Doc. 4270, *The C & O. Rwy. Co.* v. *R. W. Kaltenbach et al.* Decree affirmed (notice Apr. 5, 1938).

1,879,863. (See Re. 19,744.)

1,881,747. (See Re. 20,572.)

1,890,302. (See 1,356,763 (b).)

1,896,780. (See 1,356,763 (b).)

1,903,960. (See 1,716,255.)

1,917,261, P. E. Hawkinson, Method of retreading tire casings; 1,917,262, same, Apparatus for retreading tire casings, appeal filed Mar. 16, 1938, C. C. A., 8th Cir., Doc. 11148, *Skogmo-Gamble, Inc., et al.* v. *P. E. Hawkinson Co.*

1,917,262. (See 1,917,261.) 1,920,402. (See 1,876,686.)

1,927,934. (See 1,551,314.) 1,931,978. (See 1,776,414.)

1,936,162. (See 1,356,763 (a) and (b).)

1,966,065. (See 1,350,752.)

1,968,409, 1,968,410, B. Liebowitz, Apparel, appeal filed Apr. 4, 1938, C. C. A., 2d Cir., Doc. —, *Trubenizing Process Corp.* v. *F. Jacobson et al.*

1,968,410. (See 1,968,409.)

2,012,951. Brinker & Thomas, Method for producing gas tight seals; 2,012,952, same, Vermiculite paste for sealing pistons, D. C., S. D. Calif. (Los Angeles), Doc. E 889–RJ, *Motor Seal Corp.* v. *L. G. Jackson et al.* Decree for plaintiff Apr. 5, 1938.

2,012,952. (See 2,012,951.)

2,042,439. (See Re. 20,624.)

2,083,060. (See 1,837,781.)

Re. 17,245. (See 1,350,752.)

Re. 17,247. (See 1,350,752.)

Re. 17,355. (See 1,350,752.)

Re. 18,579. (See 1,356,763 (b).)

Re. 18,916. (See 1,356,763 (b).)

Re. 19,744 (of 1,879,863), H. A. Wheeler, Volume control, D. C., N. D. Ill., E. Div., Doc. 14247, *Haseltine Corp.* v. *Stewart-Warner Corp.* Consent order dismissing bill without prejudice Mar. 23, 1938.

Re. 20,572 (of 1,881,747), Litty & Lundin, Cake icing machine, filed Apr. 2, 1938, D. C., E. D. N. Y., Doc. E 8507, *J. R. Litty et al.* v. *Kotten Machine Co., Inc.*

Re. 20,624 (of 2,042,439), L. J. White, Storage and dispensing apparatus for liquefied gases, filed Apr. 2, 1938, D. C. Kans. (Wichita), Doc. 1009–N, *Southern Steel Co.* v. *Mid Continent Butane Equipment Co., Inc.* Same, filed Apr. 8, 1938, D. C., S. D. Tex. (Houston), Doc. 784, *Southern Steel Co.* v. *S. J. Eubank.*

Des. 81,823, L. V. Aronson, Combined cigarette container and pyrophoric lighter; Des. 96,639, same, Pyrophoric lighter, C. C. A., 2d Cir., Doc. —, *Art Metal Works, Inc.*, v. *National Silver Co., Inc.* Decree affirmed (notice Apr. 4, 1938).

Des. 96,639. (See Des. 81,823.)

T. M. 236,886, Heko-Werk Chemische Fabrik A.-G., Plastic materials for manufacturing of prothesis all kinds and of hygienic syringes and instruments; T. M. 278,550, American Hecolite Denture Corp., Plastic materials which may be treated and formed when heated and used for manufacturing of prothesis, all kinds of hygienic syringes, and instruments, D. C., N. D. Ill., E. Div., Doc. 11919, *American Hecolite Denture Corp.* v. *The Kimball Dental Mfg. Co.* Consent decree finding infringement, injunction Mar. 9, 1938.

T. M. 278,550. (See T. M. 236,886.)

## Adjudicated Patents

(C. C. A. N. Y.) Hayes patent, No. 1,724,583, for electric furnace, claims 3 and 4 *Held* valid and infringed. *Hayes* v. *Surface Combustion Corporation*, 96 F.(2d) 61.

(C. C. A. N. Y.) Carlson patent, No. 1,776,414, for hoisting apparatus, claim 1 *Held* not infringed. *Carlson Hoist & Machine Co.* v. *Builders Equipment Corporation*, 96 F.(2d) 145.

(C. C. A. N. Y.) Hayes patent, No. 1,808,721, for method for heat treatment, claim 3 *Held* valid and infringed, claim 6 *Held* invalid. *Hayes* v. *Surface Combustion Corporation*, 96 F.(2d) 61.

(C. C. A. N. Y.) Snyder patent, No. 1,866,779, for washing machine, claims 23, 26, and 29 *Held* invalid. *Maytag Co.* v. *Easy Washing Mach. Corporation*, 96 F.(2d) 87.

(C. C. A. N. Y.) Carlson patent, No. 1,931,978, for hoisting apparatus, claim 2 *Held* not infringed. *Carlson Hoist & Machine Co.* v. *Builders Equipment Corporation*, 96 F.(2d) 145.

(D. C. Cal.) Barkeij patent, No. 2,012,902, for method and means of gas distribution in inlet manifolds for internal combustion engines, *Held* invalid. Claims 3, 6–16, 18–24, and 27 *Held* not infringed. *Barkeij* v. *Ford Motor Co.*, 22 F. Supp. 1001.

## Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,970,518, Harry Aaron, Hair clipper, decided April 7, 1938, claim 13.

Pat. 2,005,527, J. G. Alther, Treatment of hydrocarbon oils, decided April 6, 1938, claims 3, 4, and 5.

Pat. 2,054,140, Ernest Segesseman, Substituted sulphonic acids of high wetting, dispersing, and emulsifying power and process of producing the same, decided May 21, 1938, claims 1 and 2.

## Disclaimers

1,750,386.—*Walter John Brown*, Brooklands, England. SPACE-CURRENT DEVICE. Patent dated March 11, 1930. Disclaimer filed May 28, 1938, by the patentee

Hereby enters this disclaimer to claims 1, 6, and 10 in said specification.

1,996,245.—*Scott F. Hunt*, South Bend, Ind. CARBURETOR. Patent dated April 2, 1935. Disclaimer filed May 26, 1938, by the assignee, *Bendix Aviation Corporation*.

Hereby enters this disclaimer to claims 1, 2, and 3 of said patent.

# TRADE-MARKS

OFFICIAL GAZETTE, JUNE 21, 1938

[VOL. 491. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

## CLASS 1

### Raw or Partly Prepared Materials

Ser. No. 392,058. JOHN C. STUVER, Barberton, Ohio. Filed Apr. 29, 1937.




The words "Jumbo Coal" are disclaimed apart from the mark.

For Coal.

Claims use since Apr. 22, 1937.

Ser. No. 392,059. JOHN C. STUVER, Barberton, Ohio. Filed Apr. 29, 1937.

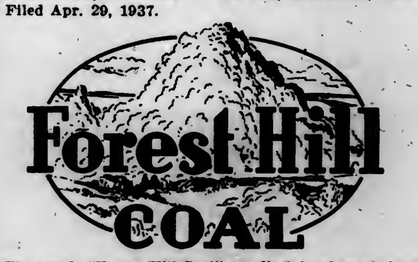



The words "Black Mountain Coal" are disclaimed apart from the mark.

For Coal.

Claims use since Apr. 22, 1937.

Ser. No. 392,060. JOHN C. STUVER, Barberton, Ohio. Filed Apr. 29, 1937.




The words "Forest Hill Coal" are disclaimed apart from the mark.

For Coal.

Claims use since Apr. 22, 1937.

Ser. No. 399,221. AMERICAN PLASTIC CORPORATION, San Francisco, Calif. Filed Nov. 2, 1937.




For Compositions of Matter of the Type Commonly Known as "Plastics" Which are Resinifying Materials, and Which Compositions May be Used to Coat Paper, be Formed in Sheets, or be Allowed to Harden in Forms.

Claims use since Oct. 18, 1937.

Ser. No. 402,112. HERMAN BASCH & CO. INC., North Bergen, N. J. Filed Jan. 20, 1938.




The word "Brand" is disclaimed.

For Fur Skins Dressed and Dyed.

Claims use since Jan. 3, 1938.

Ser. No. 404,901. HUGHES-AUTOGRAF BRUSH CO. INC., New York and Troy, N. Y. Filed Apr. 7, 1938.

**BOARTEX**

For Artificial Bristles Particularly Intended for Toilet Brushes.
Claims use since Mar. 15, 1938.

Ser. No. 404,902. HUGHES-AUTOGRAF BRUSH CO. INC., New York and Troy, N. Y. Filed Apr. 7, 1938.

**BRISTEX**

For Artificial Bristles Particularly Intended for Toilet Brushes.
Claims use since Mar. 15, 1938.

Ser. No. 405,193. CHANDERLIN SEED COMPANY, New York, N. Y. Filed Apr. 13, 1938.




For Grass Seed.
Claims use since Aug. 1, 1936.

Ser. No. 405,281. ISLAND CREEK COAL SALES COMPANY, Huntington, W. Va. Filed Apr. 11, 1938.




The exclusive use of the words "Clean", "Smokeless", "Free Burning", "Low Ash", and "Pocahontas" are disclaimed apart from the mark as shown.
For Coal.
Claims use since Jan. 1, 1938.

## CLASS 2

### Receptacles

Ser. No. 404,153. WILBERT W. HAASE CO., INC., Forest Park, Ill. Filed Mar. 16, 1938.




All wording except "Wilbert" is disclaimed apart from the mark.
For Asphalt Innerlined Cement Burial Vaults.
Claims use since Aug. 31, 1937.

Ser. No. 404,747. BOSTON ENVELOPE CO., doing business as Boston Drinking Cup Co., Dedham, Mass. Filed Apr. 1, 1938.




No claim is made to the exclusive use of the words "Sanitary Drinking Cups" apart from the mark shown.
For Paper Drinking Cups.
Claims use since July, 1933.

Ser. No. 404,911. ROBERT SIMON, doing business as Rosico Candy Company, Chicago, Ill. Filed Apr. 5, 1938.




The word "Cup" is disclaimed apart from the mark.
For Paper Cups and Containers.
Claims use since Mar. 23, 1938.



## CLASS 4

### Abrasive, Detergent, and Polishing Materials

Ser. No. 396,557. BENNETT INCORPORATED, Cambridge, Mass. Filed Aug. 19, 1937.




For Self Emulsifying Degreasing Solvents—Namely, Grease Solvents, Glass Cleaning Preparations, Abrasive Cleaners.
Claims use since June 18, 1937.

Ser. No. 398,296. JOHN T. STANLEY CO., INC., New York, N. Y. Filed Oct. 8, 1937.

**DAIR-I-SAN**

For Dairy and Household Cleanser.
Claims use since Mar. 24, 1936.

Ser. No. 399,594. CHILL FOAM CORPORATION OF AMERICA, Detroit, Mich. Filed Nov. 11, 1937.

**CLEAR O WASH**

The words "Clear" and "Wash" are disclaimed apart from the mark.
For Powder for Washing Filter Mass and Like Materials.
Claims use since Oct. 15, 1937.

Ser. No. 402,404. CHEMICAL PROCESS COMPANY, Dallas, Tex. Filed Jan. 27, 1938.

**DISOLV-O-CIDE**

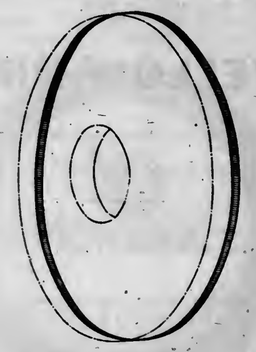
For Preparation for Cleaning Toilet Bowls, Urinals, Hospital Urinals, and Piping.
Claims use since July 1, 1937.

Ser. No. 403,904. JAMES B. BORLAND, Bloomington, Ind. Filed Mar. 10, 1938.




The words "Washing Compound" are disclaimed apart from the mark. The drawing is lined for blue.
For Cleaning and Washing Powder Compound.
Claims use since Sept. 1, 1937.

Ser. No. 404,208. GARDNER MACHINE COMPANY, South Beloit, Ill. Filed Mar. 18, 1938.



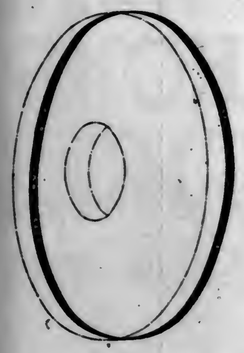
The mark is in the form of a blue stripe or band which is applied to the rims or peripheries of the tools, wheels, and disks. The illustration of an abrasive tool forms no part of the mark.
For Abrasive Tools, Abrasive Wheels, and Abrasive Disks.
Claims use since January, 1932.

Ser. No. 404,210. GARDNER MACHINE COMPANY, South Beloit, Ill. Filed Mar. 18, 1938.

**RED-RIM**

For Abrasive Tools, Abrasive Wheels, and Abrasive Disks.
Claims use since March, 1934.

Ser. No. 404,212. GARDNER MACHINE COMPANY, South Beloit, Ill. Filed Mar. 18, 1938.



The mark is in the form of a yellow stripe or band which is applied to the rims or peripheries of the tools, wheels, and disks. The illustration of an abrasive tool forms no part of the mark.

For Abrasive Tools, Abrasive Wheels, and Abrasive Disks.

Claims use since March, 1932.

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Ser. No. 404,213. GARDNER MACHINE COMPANY, South Beloit, Ill. Filed Mar. 18, 1938.

**YELLOW-RIM**

For Abrasive Tools, Abrasive Wheels, and Abrasive Disks.

Claims use since March, 1932.

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Ser. No. 404,638. LEON FINCH LTD., Los Angeles, Calif. Filed Mar. 30, 1938.




The words "Quik-Rub" are disclaimed apart from the showing on the drawing.

For Lacquer Cutter, an Abrasive and/or Polishing Agent to Remove Roughness, Etc., from Lacquered Surfaces.

Claims use since Apr. 1, 1937.

Ser. No. 405,253. R. M. HOLLINGSHEAD CORPORATION, Camden, N. J. Filed Apr. 14, 1938.




For Cleaning and Polishing Materials in Paste, Liquid, Powder, and Solid Forms for All Surfaces—Namely, Metal Surfaces; Leather and Imitation Leather Articles and Surfaces; Windshields, Mirrors, and Glass Surfaces; Articles of Glass, Metal Parts, Tiles, Linoleums; Dry Cleaners; Cleaning Fluids for Fabrics, Cloth, Upholstery, Leather and Imitation Leather; Chemical Preparations for Softening and Cleaning Brakes and Transmission Linings and Clutch Facings; Chemical Preparations for Maintaining Transparency of Glass; Soaps in Paste, Liquid, Powder or Solid Forms; Compounds for Cleaning Surfaces of Automobiles; Compounds and Chemical Preparations for Cleaning Porcelain and Enamel-Ware, Toilet Bowls; Preparations for Dressing Leather and Imitation Leather; Chemical Preparations for Removing Tar and Road Oil; Chemical Preparations for Removing Grease; Chemical Preparations for Cleaning Engines; Chemical Preparations for Cleaning Floors of Concrete, Wood, Tile, and Linoleum; Abrasives and Grinding Compounds in Powder, Liquid, and Paste Forms.

Claims use since May 16, 1934.

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Ser. No. 405,634. DRI-BRITE, INC., St. Louis, Mo. Filed Apr. 23, 1938.

**CLICK**

For Cleaner for Woodwork, Painted, and Enameled Surfaces.

Claims use since Mar. 15, 1938.

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Ser. No. 405,862. MAX WULFSOHN, INC., New York, N. Y. Filed Apr. 29, 1938.

**TEMU**

For Soap.

Claims use since May 15, 1937.



## CLASS 6

### Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 381,462. LUNDBORG PERFUMER, INC., New York, N. Y. Filed July 25, 1936.




For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs; Skin Whitener in Liquid, Cream, and Solid Form; Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyebrows and Eyelashes; Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets; Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes; Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.

Claims use since Mar. 14, 1874.

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Ser. No. 393,638. THE EDWAL LABORATORIES, INC., Chicago, Ill. Filed June 4, 1937.

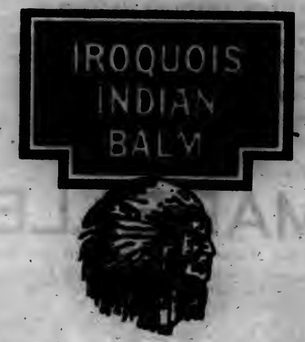



For Complete Line of Chemicals and Preparations for Use in the Development of Photographs; Developing Agents of All Kinds; Acid Fixes; Hardening Agents; Chemicals for Removing Stains Caused by Photo Chemicals, Dyes, and Similar Chemicals; and Other Chemical Products Sold for Photographic Developing and for Other Purposes; Said Chemicals Including Phloroglucinol (Technical and C. P. Grades); Phenyl Mercuric Nitrate; Sodium Dinitrophenol; Alpha Alpha Dipyridyl; Sodium Hydrosulphite; Allyl Alcohol; Allyl Chloride (C. P.); Allyl Bromide (Technical and C. P. Grades); Ethyl Iodide; Methyl Iodide; Allantoin; Uric Acid; Paraphenylenediamine; Paraphenylenediamine Hydrochloride; p-Hydroxyphenylglycine; Potassium Acid Urate; Trisodium Phosphate; Chrome Alum; Sodium Sulfite.

Claims use since Jan. 1, 1933.

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Ser. No. 399,526. JOSEPH FREDERICK NICOLAR, Hollywood, Calif. Filed Nov. 8, 1937.




The words "Iroquois Indian Balm" are disclaimed apart from the mark.

For Balm for the Treatment of Athlete's Foot and Other Minor Skin Eruptions.

Claims use since Aug. 21, 1936.

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Ser. No. 400,665. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y. Filed Dec. 9, 1937.




Applicant disclaims "Mohawk" apart from the mark.

For Denatured Alcohol for Industrial Purposes.

Claims use since Aug. 11, 1928.

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Ser. No. 401,510. F. AD. RICHTER & CO. INC., Brooklyn, N. Y. Filed Jan. 3, 1938.




For Ointment Having Soothing and Analgesic Qualities.

Claims use since Dec. 23, 1937.

Ser. No. 401,906. WILLEY M. MOODY, doing business as Morehead-Fleming Drug Co., San Jose, Calif. Filed Jan. 14, 1938.

**Hap-Ten**

For Salicyclic Compounds Indicated in Arthritis, Rheumatic Fever, Rheumatic Conditions, and Other Instances Wherein a Salicylate is Indicated According to the Well Known Pharmacology and Therapeutics of Salicylates.
Claims use since Aug. 15, 1937.

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Ser. No. 401,939. MARELLE, INC., Jersey City, N. J. Filed Jan. 15, 1938.

**MARELLE**

For Toilet Water and for Bath Oil for Perfuming, Softening, and Creating an Abundance of Foam in Water.
Claims use since October, 1936, on bath oil; and since Oct. 30, 1936, on toilet water.

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Ser. No. 401,941. NATIONAL OIL PRODUCTS CO., Harrison, N. J. Filed Jan. 15, 1938.

**NOPCO**

For Vitamin Rich Bodies for Fortifying Food Products.
Claims use since September, 1935.

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Ser. No. 402,379. R. H. MACY & CO., INC., New York, N. Y. Filed Jan. 27, 1938.

**LITTLE SHOP**

For Toilet Creams, Perfumes, and Face Powders.
Claims use since Jan. 14, 1938.

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Ser. No. 402,603. MIRUS LABORATORIES INC., New York, N. Y. Filed Feb. 2, 1938.

**MIRUS**

For Medicated Shampoo and Scalp Cream.
Claims use since Sept. 1, 1937.

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Ser. No. 402,792. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Feb. 7, 1938.

**CALMIN**

For Aqueous Emulsion of an Alcohol-Soluble Synthetic Resin of the Phenol-Formaldehyde Type for use in the Local Treatment of Certain Dermatoses.
Claims use since Jan. 4, 1938.

Ser. No. 403,288. VADSCO SALES CORPORATION, Long Island City, N. Y. Filed Feb. 21, 1938.




For Medicinal Products Containing Cocillana for Coughs Due to Colds.
Claims use since Mar. 10, 1930.

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Ser. No. 403,300. BLALOCK'S ANTI-ZEMA CO., Raleigh, N. C. Filed Feb. 23, 1938.

**BLALOCK'S ANTI-ZEMA**

No claim is made to the word "Blalock's" apart from the mark.
For Preparation for the Treatment of Eczema, Sumac, Poison Oak, Poison Ivy, Itch, and Other Inflammatory Conditions of the Skin.
Claims use since January, 1938.

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Ser. No. 403,355. ATLAS POWDER COMPANY, Wilmington, Del. Filed Feb. 24, 1938.

**ZAPONOL**

For Water-Repellent Processing Fluids and Coating Compositions for Fabrics, Yarns, Paper.
Claims use since Jan. 31, 1938.

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Ser. No. 403,527. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Feb. 28, 1938.

**ALERT**

For Volatile Odorant.
Claims use since Feb. 2, 1938.

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Ser. No. 403,724. HORVITA, INC., New York, N. Y. Filed Mar. 5, 1938.

VITAMINS A—D HORVITA

The words "Vitamins A and D" are disclaimed apart from the mark.
For Skin Creams and Lotions.
Claims use since July, 1937.



Ser. No. 404,105. ATLAS CHEMICAL COMPANY, Marietta, Ohio. Filed Mar. 16, 1938.

**WEL-DEM**

For Metallic Radiator Cement.
Claims use since Oct. 1, 1937.

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Ser. No. 404,117. JOHN H. BRECK, INC., Springfield, Mass. Filed Mar. 16, 1938.

**Lacene**

For Preparations for Shampoo Purposes.
Claims use since Mar. 4, 1938.

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Ser. No. 404,418. MARION V. REID, doing business as The No-D-Ka Company, West Springfield, Mass. Filed Mar. 23, 1938.



Trade-mark consists of a black band surrounding a red tube. The representation of the tube is disclaimed.
For Dentifrices.
Claims use since Feb. 19, 1938.

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Ser. No. 404,536. MULLIU PRODUCTS CO., San Gabriel, Calif. Filed Mar. 26, 1938.

Mulliu Formula NA

The word "Formula" is disclaimed except as shown.
For Salves and Lotions for Treatment of Hemorrhoids and Various Types of Skin Eruptions.
Claims use since February, 1938.



Ser. No. 404,998. THERESA MCCARTHY, doing business as Do-All Co., Elmira, N. Y. Filed Apr. 7, 1938.

**DO-ALL**

For Chemical Compound for Bleaching, Disinfecting, and Deodorizing, Having Incidental Cleaning Properties.
Claims use since Mar. 19, 1938.

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Ser. No. 405,008. BROOKLYN SCIENTIFIC PRODUCTS CO., INC., New York, N. Y. Filed Apr. 8, 1938.

**TRISILAC**

For Medicinal Preparation in Tablet Form to be Used in the Treatment of Gastric Disturbances.
Claims use since Feb. 1, 1938.

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Ser. No. 405,238. ELLEN NOREEN BAUM, Denver, Colo. Filed Apr. 14, 1938.

Noreen SUPER COLOR RINSE

The words "Color Rinse" are disclaimed apart from the word "Noreen".
For Hair Tinting Rinses.
Claims use since Apr. 1, 1938.

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Ser. No. 405,629. BAXTER LABORATORIES, INC., Glenview, Ill. Filed Apr. 23, 1938.

**DEXTRAMIN**

For Dextrose and Amino Acids.
Claims use since Mar. 2, 1938.

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Ser. No. 405,713. BOSTON DRUG & CHEMICAL CO., Boston, Mass. Filed Apr. 26, 1938.

**PRUFOL**

For Liquid Preparation for Mothproofing Various Fabrics, Including Clothing, Rugs, Upholstery, and Woolens of all Sorts.
Claims use since Apr. 1, 1938.

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Ser. No. 405,786. THOMAS PRODUCTS, INC., Buffalo, N. Y. Filed Apr. 27, 1938.

**BRIT-TEX**

For Nail Cream.
Claims use since October, 1930.

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Ser. No. 405,811. HETOGEN CO., INC., New York, N. Y. Filed Apr. 28, 1938.

**HETOGEN**

For Counter-Irritant Paste.
Claims use since Apr. 14, 1938.

Ser. No. 405,812. HETOGEN CO., INC., New York, N. Y. Filed Apr. 28, 1938.

HETOGEN

For Counter-Irritant Paste.
Claims use since Apr. 14, 1938.

Ser. No. 405,863. THE E. E. DICKINSON CO., Essex, Conn. Filed Apr. 29, 1938.

DIXATONE

For Preparation for Softening the Skin, Treatment of Sunburn, Rough Chapped Skin, Tired Burning Feet, and Poison Ivy, and for Use After Shaving.
Claims use since Apr. 20, 1938.

Ser. No. 405,902. M. MUNN STOCKTON, doing business as Momu Co., New York, N. Y. Filed Apr. 30, 1938.

MOMU

For Drinking Water Containing Iodine.
Claims use since May 16, 1935.

Ser. No. 405,944. AUGUST TRAUTMAN, New York, N. Y. Filed May 2, 1938.

LARVABAN
MOTH ELIMINATOR

No claim is made to the words "Moth Eliminator" apart from the mark.
For Chemical Preparation for Exterminating Moths.
Claims use since Apr. 14, 1938.

Ser. No. 405,945. AUGUST TRAUTMAN, New York, N. Y. Filed May 2, 1938.

ABA DABA

For Cosmetics—Namely, Rouge, Lipstick, Face Powder, and Skin Lotion.
Claims use since Apr. 14, 1938.

Ser. No. 406,010. ADJUVANT SPECIALTIES COMPANY, Jersey City, N. J. Filed May 5, 1938.

Belixol

For Medicinal Preparation for Use as a Tonic and Appetite Stimulator.
Claims use since Mar. 31, 1938.

Ser. No. 406,047. BRAY CHEMICAL CO., Chicago, Ill. Filed May 6, 1938.

Zephyr

For Lye.
Claims use since Mar. 31, 1937.

Ser. No. 406,104. E. R. SQUIBB & SONS, New York, N. Y. Filed May 7, 1938.

MERLAZINE

For Antiseptic and Bactericidal Preparations.
Claims use since Apr. 28, 1938.

Ser. No. 406,133. CHARLES HOOVER, Jackson Heights, Long Island, N. Y. Filed May 9, 1938.

SHEAR MAGIC

For Cosmetics—Namely, Hair Preparations, Face Creams, Face Powder, Lipstick, and Rouge.
Claims use since Apr. 20, 1938.

Ser. No. 406,202. ROY J. TROUTMAN, doing business as G. E. Laboratories, Shamokin, Pa. Filed May 10, 1938.

TROUTMAN'S

For Preparation Used in the Treatment of Coughs, Colds, Bronchial Irritations, and Similar Ailments.
Claims use since 1913.

Ser. No. 406,259. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Filed May 12, 1938.

PANVITOL

For Medical Preparation Containing Vitamins A, B, C, D, E, and G, Liver Extract, Iron, and Bone Marrow.
Claims use since May 6, 1938.

Ser. No. 406,274. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed May 13, 1938.

CRUISE

For Lipsticks, Rouge, Face Powder; Eyelash and Eyebrow Mascara; Creams for the Hands and Face; Preparations for Skin, Hair, and Fingernails; Cleansing Pads Impregnated with Lotion; Cosmetic Filled Vanity Cases; and Perfumes.
Claims use since Apr. 1, 1937.



## CLASS 9

### Explosives, Firearms, Equipments, and Projectiles

Ser. No. 406,156. UNIVERSAL MATCH CORPORATION, St. Louis, Mo. Filed May 9, 1938.

TEN-STRIKE

For Bookmatches.
Claims use since Feb. 10, 1938.

Ser. No. 406,169. ATLAS POWDER COMPANY, Wilmington, Del. Filed May 10, 1938.

MANASITE

For Detonators.
Claims use since Apr. 8, 1938.

## CLASS 16

### Paints and Painters' Materials

Ser. No. 405,601. HISTOSAN INCORPORATED, Ivoryton, Conn. Filed Apr. 22, 1938.

Hi-Seal

The word "Seal" is disclaimed apart from the mark.
For Preparation for Polishing and Sealing Floors.
Claims use since Dec. 13, 1937.

## CLASS 17

### Tobacco Products

Ser. No. 403,602. JOHN MIDDLETON INC., Philadelphia, Pa. Filed Mar. 2, 1938.



The word "Mixture" is disclaimed apart from the mark. The drawing is lined for yellow and brown.
For Smoking Tobacco.
Claims use since 1917.

Ser. No. 405,694. H. FENDRICH, INC., Evansville, Ind. Filed Apr. 25, 1938.

LA CUBAVANA

For Cigars.
Claims use since June 1, 1890.

## CLASS 19

### Vehicles, Not Including Engines

Ser. No. 404,623. THE BUDA COMPANY, Harvey, Ill. Filed Mar. 29, 1938.

CHORE BOY

For Self or Manually Propelled Shop Trucks and Carts.
Claims use since Mar. 10, 1938.

Ser. No. 405,678. BELL AIRCRAFT CORPORATION, Buffalo, N. Y. Filed Apr. 25, 1938.

AIRACUDA

For Airplanes and Structural Parts Thereof.
Claims use since Dec. 3, 1937.

Ser. No. 405,679. BELL AIRCRAFT CORPORATION, Buffalo, N. Y. Filed Apr. 25, 1938.

TIGERS OF THE SKY

For Airplanes and Structural Parts Thereof.
Claims use since Dec. 3, 1937.

Ser. No. 405,680. BELL AIRCRAFT CORPORATION, Buffalo, N. Y. Filed Apr. 25, 1938.




For Airplanes and Structural Parts Thereof.
Claims use since Dec. 3, 1937.

## CLASS 21

### Electrical Apparatus, Machines, and Supplies

Ser. No. 402,156. GOODRICH ELECTRIC COMPANY, Chicago, Ill. Filed Jan. 21, 1938.

KEYSTONE
GOODRICH ELECTRIC CO.
CHICAGO

For Unitary Electric Lighting Fixtures.
Claims use since March, 1930.

Ser. No. 403,544. ELECTROLUX, INC., New York, N. Y. Filed Mar. 1, 1938.

GLEANER

For Electric Vacuum Cleaner Nozzles.
Claims use since Feb. 19, 1938.

Ser. No. 405,812. HETOGEN CO., INC., New York, N. Y. Filed Apr. 28, 1938.

HETOGEN

For Counter-Irritant Paste.
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Claims use since May 6, 1938.

Ser. No. 406,274. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed May 13, 1938.

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For Self or Manually Propelled Shop Trucks and Carts.
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Ser. No. 405,679. BELL AIRCRAFT CORPORATION, Buffalo, N. Y. Filed Apr. 25, 1938.

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### Electrical Apparatus, Machines, and Supplies

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Ser. No. 403,544. ELECTROLUX, INC., New York, N. Y. Filed Mar. 1, 1938.

GLEANER

For Electric Vacuum Cleaner Nozzles.
Claims use since Feb. 19, 1938.

Ser. No. 403,968. ALBERT SETZER, doing business as Mule Battery Mfg. Co., Providence, R. I. Filed Mar. 11, 1938.

BURRO

For Electric Storage Batteries.
Claims use since Mar. 5, 1937.

## CLASS 22

### Games, Toys, and Sporting Goods

Ser. No. 396,968. RUSH MANUFACTURING CO., Philadelphia, Pa. Filed Aug. 31, 1937.



The drawing is lined for brown and green. No claim is made to the words "The All American Football Game" apart from the mark.
For Parlor Football Game of the Type which is Played by Means of a Board Representing a Football Field and Cards for Indicating the Moves to be Made.
Claims use since Apr. 30, 1937.

Ser. No. 402,221. GEORGE HENRY HUTAFF, JR., Wilmington, N. C. Filed Jan. 22, 1938.

Bunny-hop

No claim is made to the word "Bunny" apart from the mark.
For Figure Toys.
Claims use since June 1, 1937.

Ser. No. 404,544. PULP PRODUCTS COMPANY, INC., New York, N. Y. Filed Mar. 26, 1938.

Formolite

For Toys Including Objects made Substantially of Non-Shatterable Fibrous Material in the Shape of Dogs, Bears, Rabbits, Cats, Ducks, Chickens, and Other Animal-Like Forms; Santa Claus, Clowns, Witches, Satan, and Other Human-Like, or Fanciful Animate-Like Forms; Pumpkins, Eggs, Trees, Cones, Lanterns, Spheres, Bells, Paint Chests, Palettes, Houses, Banks, and Other Common Three Dimensional Forms; and the Like; Said Objects Being Useful For Decorations and Ornaments in Addition to Their Usefulness per se for the Amusement of Children.
Claims use since Feb. 26, 1938.

Ser. No. 404,624. E. W. ORCUTT, doing business as Li-Cut Live Bait Co., Monterey Park, Calif. Filed Mar. 29, 1938.




No claim is made to the words "Live Bait" apart from the mark.
For Fish Bait.
Claims use since Mar. 1, 1938.

Ser. No. 405,089. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Apr. 9, 1938.



For Playing Cards.
Claims use since Mar. 15, 1938.

Ser. No. 405,327. STEWELL, INC., Chicago, Ill. Filed Apr. 15, 1938.

WHIZ-O

For Toy Projectile.
Claims use since Apr. 6, 1938.

Ser. No. 405,337. EARL F. SCRAPER, Wichita, Kans. Filed Apr. 18, 1938.

QUIZZER-BASEBALL®

The words "Baseball" and "Trade Mark" are disclaimed apart from the mark.
For Game Boards.
Claims use since Feb. 1, 1938.



Ser. No. 405,589. CANADA CYCLE & MOTOR COMPANY LIMITED, Weston, Ontario, Canada. Filed Apr. 22, 1938.

JOYCYCLE

For Children's Tricycles and Other Children's Vehicles.
Claims use since Mar. 30, 1922.

Ser. No. 405,806. J. DE BEER & SON, Albany, N. Y. Filed Apr. 28, 1938.

TEMPERED

For Playing Balls and Particularly Base Balls.
Claims use since July 15, 1936.

Ser. No. 405,872. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass. Filed Apr. 30, 1938.

NUTEX

For Bladders for Playballs, Basketballs, Footballs, and the Like.
Claims use since Apr. 4, 1938.

Ser. No. 406,011. BRIDGE MASTER, INC., New York, N. Y. Filed May 5, 1938.

BRIDGE MASTER

For Game Played by One Person Simulating a Card Game Played by Four Persons.
Claims use since Mar. 12, 1938.

Ser. No. 406,066. MONTAGUE ROD AND REEL COMPANY, Montague City, Mass. Filed May 6, 1938.

OFFSHORE

For Fishing Rods and Reels.
Claims use since 1930.

Ser. No. 406,155. SHAKESPEARE COMPANY, Kalamazoo, Mich. Filed May 9, 1938. Under 10-year proviso.

Shakespeare

For Fishing Reels, Fishing Lines, Fishing Rods, and Artificial Fishing Baits and Lures.
Claims use since Feb. 15, 1895.

Ser. No. 406,242. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed May 12, 1938.

FREESPEED

For Fishing Reels.
Claims use since Apr. 29, 1938.

Ser. No. 406,307. LOREN W. VAN VECHTEN, Rochester, N. Y. Filed May 13, 1938.

OPPOSITION

For Amusement Game Played With a Board, Movable Pieces, and a Chance Device.
Claims use since Apr. 19, 1938.

Ser. No. 406,368. HERMAN BAKER, New York, N. Y. Filed May 16, 1938.

BRIDGOMATIC

For Educational Game Boards.
Claims use since May 5, 1938.

Ser. No. 406,401. O. SCHOENHUT INC., Philadelphia, Pa. Filed May 16, 1938.

AR-KO

For Spinning Tops.
Claims use since Apr. 2, 1938.

## CLASS 23

### Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 404,364. JACKSON MANUFACTURING CO., Harrisburg, Pa. Filed Mar. 22, 1938.

JACKMANCO

For Drag Scrapers and Lawn Rollers.
Claims use since Nov. 24, 1937.

Ser. No. 405,184. THE S. U. CARBURETTER COMPANY LIMITED, Birmingham, England. Filed Apr. 12, 1938.

S.U

For Carburetters and Fuel Pumps for Engines.
Claims use since August, 1910, on carburetters; and since October, 1930, on fuel pumps.

## CLASS 25

### Locks and Safes

Ser. No. 403,907. THE CASEMENT HARDWARE CO., Chicago, Ill. Filed Mar. 10, 1938.




For Latches for Completing the Closing of Doors and Casement Windows.
Claims use since Feb. 24, 1938.

## CLASS 26

### Measuring and Scientific Appliances

Ser. No. 390,805. OPTIKOTECHNA SPOLEČNOST S R. O., Prerov, Czechoslovakia. Filed Apr. 1, 1937.



For Optical Glass Products Such as Simple and Combined Lenses, Prisms, Mirrors, Filters, Focus Plates, Plane-Parallel Plates; Photographic Cameras, Parts, and Accessories—Namely, Simple, Semi-Automatic and Automatic, Aero-Cameras, Photogrametric Cameras, Panoramic Cameras; Projecting Apparatuses, Parts, and Accessories—Namely, Simple and Automatic Kinematographs, Aero-Projectors, Episcopes, Epidiascopes; Sound Devices and Adapters for Kinematographs; Observing Instruments with Measuring Devices Such as Telescopes and Periscopes of All Descriptions, Theodolites, Levelling Instruments; Sighting Devices for the Use in the Army and the Air-Force as Mechanical, Optical, and Combined Sights—Namely, Kollimators, Direct-Vision View-Finders, Mirror Back-Sight Devices, Telescopic Sight Devices for Direct and Indirect Shooting, Telescopic Sight Devices for Shooting at Moving Targets, Mechanical Sighting Devices for Anti-Aircraft, Sighting Devices for Dropping Bombs from Aircraft, Devices for Determination of Firing Elements, Such as Flymeters, Tachometers, Altimeters, Distancemeters, Devices for Aiming Drill Devices for the Measurement of Elevating Angles, Sideward Angles, and the Like, Aiming Control Mirrors, Spirit Level Devices, Sighting Devices for Direct and Indirect Shooting, Sighting Devices for Shooting at Moving Targets, Sighting Devices for Shooting from Armored Cars; Commanding and Acoustic Devices, Quite Especially for Military Purposes—Namely, Commanding Devices for Anti-Aircraft, Commanding Devices for Shooting at Ground Aims, Acoustic Devices for Determination of Firing Elements of Moving Targets; Measuring and Registering Devices for Every Purpose Such as Mechanical and Optical Speed Indicators, Telemeters, Altimeters, Aero-Tachymeters, Aero-Cartographing Devices, Photometers, Calorimeters, Polarimeters, and Spectrometers, Interferometers, Spherometers, X-Ray-Spectrometers; Topographic Devices of All Descriptions Such as Compasses, Eclimeters, Tachymeters, Stereotachographs, Stereoplanigraphs, Triangulators; Evaluating Devices of All Descriptions Such as Restitutive Devices, Stereoscopes, Stereocomparators; Microscopes, Microtomes.

Claims use since Oct. 3, 1936.

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Ser. No. 397,606. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Sept. 21, 1937.

**RODEO**

For Ophthalmic Mountings.
Claims use since June 10, 1937.

## CLASS 27

### Horological Instruments

Ser. No. 403,415. THE LONGINES-WITTNAUER CO. INC., New York, N. Y. Filed Feb. 25, 1938.

***"TIME AWARD"***

For Watches and Clocks.
Claims use since Jan. 3, 1938.

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## CLASS 30

### Crockery, Earthenware, and Porcelain

Ser. No. 405,373. STETSON CHINA COMPANY, INC., Chicago, Ill. Filed Apr. 16, 1938.




For China Tableware.
Claims use since November, 1936.

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## CLASS 31

### Filters and Refrigerators

Ser. No. 405,012. CENTURY FURNITURE ASSOCIATES, INC., New York, N. Y. Filed Apr. 8, 1938.




For Refrigerators.
Claims use since Mar. 21, 1938.

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## CLASS 32

### Furniture and Upholstery

Ser. No. 397,443. HOWARD E. HEDGES, doing business as The Hedges Manufacturing Company, Chicago, Ill. Filed Sept. 15, 1937.

**ADD-A-UNIT**

For File Cabinets, Drawers, and Parts Thereof.
Claims use since July 5, 1934.



Ser. No. 404,837. H. B. DODGE & COMPANY, Chicago, Ill. Filed Apr. 4, 1938.

**METLVANE**

For Venetian Blinds and Parts Thereof.
Claims use since June 6, 1936.

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Ser. No. 405,267. HERMAN PREIM, New York, N. Y. Filed Apr. 14, 1938.

**PRIME ROLLING TABLE**

No claim is made to the words "Rolling Table" apart from the mark.
For Foldable Rolling Tables.
Claims use since Feb. 4, 1938.

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Ser. No. 406,157. UNITED STATES CABINET BED CO., Brooklyn, N. Y. Filed May 9, 1938.

*Quiltress*

For Mattresses.
Claims use since Dec. 30, 1935.

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## CLASS 33

### Glassware

Ser. No. 403,186. UNITED STATES GLASS CO., Pittsburgh, Pa. Filed Feb. 18, 1938.

*Cymbal*

For Glass Table Ware and Glass Bar Ware.
Claims use since Jan. 27, 1938.

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## CLASS 34

### Heating, Lighting, and Ventilating Apparatus

Ser. No. 401,410. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Dec. 30, 1937.

*Aquamiser*

For Evaporative Condensers for Air Conditioning Devices.
Claims use since Nov. 12, 1937.

Ser. No. 405,324. FRANCISCO HILARIO RIBEIRO SILVA, Fall River, Mass. Filed Apr. 15, 1938.

**SILVA SUN**

The surname "Silva" is disclaimed apart from the mark as shown.
For Oil Stoves and Oil Burners.
Claims use since Oct. 9, 1937.

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Ser. No. 405,735. PETROLEUM HEAT AND POWER COMPANY, New York, N. Y. Filed Apr. 26, 1938.

**CHISELER**

For Oil Burners.
Claims use since Apr. 14, 1938.

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Ser. No. 405,736. PETROLEUM HEAT AND POWER COMPANY, New York, N. Y. Filed Apr. 26, 1938.

**TIGHTWAD**

For Oil Burners.
Claims use since Apr. 14, 1938.

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Ser. No. 405,737. PETROLEUM HEAT AND POWER COMPANY, New York, N. Y. Filed Apr. 26, 1938.

**SKINFLINT**

For Oil Burners.
Claims use since Apr. 14, 1938.

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Ser. No. 405,743. B. F. STURTEVANT COMPANY, Hyde Park, Boston, Mass. Filed Apr. 26, 1938.

**ATTICVANE**

For Ventilating Fans.
Claims use since Feb. 2, 1938.

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## CLASS 35

### Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 405,518. PENNWELL OIL & BELTING CO., INC., New York, N. Y. Filed Apr. 20, 1938.

**KISMET**

**HAIRON LEATHER**

No claim is made to the words "Hairon Leather" apart from the mark.
For Leather Belting.
Claims use since Dec. 17, 1937.

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Ser. No. 405,520. PENNWELL OIL & BELTING CO., INC., New York, N. Y. Filed Apr. 20, 1938.

**3 IN 1**

**ROUND LEATHER BELTING**

No claim is made to the words "Round Leather Belting" apart from the mark.
For Leather Belting.
Claims use since Dec. 17, 1937.

Ser. No. 405,521. PENNWELL OIL & BELTING CO., INC., New York, N. Y. Filed Apr. 20, 1938.

TIP-TOP

ROUND BELTING

The words "Round Belting" are disclaimed apart from the mark.
For Leather Belting.
Claims use since Dec. 17, 1937.

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Ser. No. 405,975. WILKENING MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 3, 1938.

STEELOIL

For Piston Rings, Piston Ring Expanders, and Valve Packing.
Claims use since Apr. 26, 1938.

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Ser. No. 406,075. UNITED CO-OPERATIVES, INC., Indianapolis, Ind. Filed May 6, 1938.

UNICO

For Tires and Inner Tubes for Tires.
Claims use since Feb. 28, 1938.

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## CLASS 37

### Paper and Stationery

Ser. No. 403,414. LEE POLISH MFG. CO. INC., Brooklyn, N. Y. Filed Feb. 25, 1938.

FIBREX

For Paper Tissues Particularly Adapted for Polishing and Cleaning Automobiles, Windows, Etc.
Claims use since Nov. 15, 1937.

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Ser. No. 405,083. REYNOLDS METALS COMPANY, Richmond, Va. Filed Apr. 9, 1938.

TRI-SEAL

The word "Seal" is disclaimed apart from the mark.
For Paper and Metal Foil Cigar Wraps.
Claims use since Feb. 28, 1938.

## CLASS 39

### Clothing

Ser. No. 384,014. C. H. D. ROBBINS CO., INC., New York, N. Y. Filed Oct. 5, 1936.

Robe de Romance

The word "Robe" is disclaimed apart from the mark.
For Ladies' Dresses, Negligees, and Pajamas.
Claims use since May 15, 1936.

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Ser. No. 390,182. LICHTENSTEIN MILLINERY CO., Dallas, Tex. Filed Mar. 17, 1937.

Oak Lane

For Ladies' Hats.
Claims use since Feb. 1, 1937.

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Ser. No. 398,669. THE FELTMAN & CURME SHOE STORES COMPANY, Chicago, Ill. Filed Oct. 19, 1937.



The drawing is lined for black. The words "Fits the Arch" and "Feltman Curme" and the outline of the insole are disclaimed.
For Leather Shoes, Fabric Shoes, and Shoes of Leather and Fabric.
Claims use since August, 1931.

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Ser. No. 401,725. CANNON MILLS COMPANY, Kannapolis, N. C. Filed Jan. 10, 1938.

MARIANA

For Hosiery.
Claims use since Jan. 3, 1938.



Ser. No. 401,899. MALCOLM KENNETH CO., Boston, Mass. Filed Jan. 14, 1938.

THE IMPERIAL
WEATHERPROOF



The word "Weatherproof" is claimed only as shown.
For Men's Overcoats and Top Coats.
Claims use since Nov. 26, 1937.

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Ser. No. 401,900. LADY MAC OF CANADA LIMITED, Toronto, Ontario, Canada. Filed Jan. 14, 1938.

Lady Mac

For Foundation Garments Consisting of Corsets, Brassières, and Combination Corsets and Brassières.
Claims use since Jan. 1, 1923.

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Ser. No. 401,954. WORLD'S FAIREST CO., New York, N. Y. Filed Jan. 15, 1938.

WORLD'S Fairest

Applicant disclaims the right to the exclusive use of the word "Fairest" apart from the mark as shown.
For Women's, Misses', and Girls' Coats, Capes, Suits, Dresses, Outer Skirts, Slacks, Sweaters, Blouses, Outer Waists, Scarfs, Mufflers, Gloves Made of Leather and of Fabric, Stockings, Socks, Hosiery, Nightgowns, Pajamas, Corsets, Girdles, Brassières, Slips, Chemises, Panties, Bloomers, Bathrobes, Beachrobes, Bathing Suits, and Sun Suits.
Claims use since Jan. 3, 1938.

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Ser. No. 403,130. HOLEPROOF HOSIERY CO., Milwaukee, Wis. Filed Feb. 17, 1938.

Happy-go-Luxites
FASHION APPROVED
Sportswear

The words "Fashion-Approved Sportswear" are disclaimed apart from the mark.
For Jackets, Playsuits, Shirts, Shorts, Sunsuits, Swimming Suits, and Underwear for Women and Children.
Claims use since Feb. 11, 1938.

Ser. No. 403,358. BUSCARLET GLOVE CO. INC., New York, N. Y. Filed Feb. 24, 1938.

INCAS-TAN

The word "Tan" is disclaimed apart from the mark.
For Leather Gloves.
Claims use since Jan. 15, 1937.

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Ser. No. 403,692. JORDAN MARSH COMPANY, Boston, Mass. Filed Mar. 4, 1938.

LADY



JORDAN

The sketch feature and name are a fanciful character known to applicant's trade as "Lady Jordan."
For Women's Shoes of Leather, Fabric, and Combinations of These Materials.
Claims use since Feb. 17, 1937.

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Ser. No. 403,808. THE AMERICAN IMPORT COMPANY, San Francisco, Calif. Filed Mar. 8, 1938.

WAHOO



RODEO CHAMPION

For Handkerchiefs.
Claims use since Jan. 2, 1938.

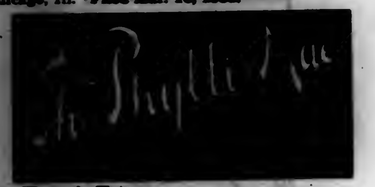
Ser. No. 404,016. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Mar. 12, 1938.

NURSERY

For Infants' Textile Diapers.
Claims use since Feb. 12, 1935.

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Ser. No. 404,127. W. H. GOEBERIN MILLINERY CO., Chicago, Ill. Filed Mar. 16, 1938.



For Women's Hats.
Claims use since Mar. 5, 1927.

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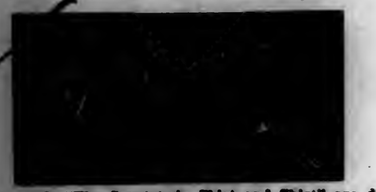
Ser. No. 404,146. WIENER & KATZ, New York, N. Y. Filed Mar. 16, 1938.




The words "Double Cloth Seat-Knees-Elbows Reinforced for Double Wear" are disclaimed apart from the mark as shown on the drawing.
For Boys' and Students' Suits and Overcoats.
Claims use since October, 1927.

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Ser. No. 404,174. PHILIP ILLSON, INC., New York, N. Y. Filed Mar. 17, 1938.



The words "The Sportstwin Skirt and Shirt" are disclaimed apart from the mark.
For Misses' and Women's Skirt and Shirt Ensembles.
Claims use since Feb. 10, 1938.

Ser. No. 404,277. WELLESLEY MODES, INC., New York, N. Y. Filed Mar. 19, 1938.




The words "This Garment Tailored of Genuine" and the outline of the tag are disclaimed apart from the mark.
For Women's and Misses' Clothing—Namely, Dresses, Coats, Suits, Blouses, and Outer Skirts.
Claims use since Feb. 25, 1937.

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Ser. No. 404,561. BEDFORD KNITTING MILLS, New York, N. Y. Filed Mar. 28, 1938.




No claim is made to the word "Blazer" apart from the mark.
For Sweaters and Knitted Sportswear—Namely, Women's and Children's Dresses, Skirts, and Blouses, and Women's, Children's, and Men's Scarfs, Gloves, and Caps.
Claims use since Mar. 19, 1938.

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Ser. No. 404,776. RICHTER & FRANKLIN, INC., New York, N. Y. Filed Apr. 1, 1938.




The words "Iberian" and "Bonded" are disclaimed apart from the mark.
For Fur Coats.
Claims use since Mar. 24, 1938.

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Ser. No. 404,829. S. BLECHMAN & SONS, INC., New York, N. Y. Filed Apr. 4, 1938.




For Overalls and "Coveralls".
Claims use since June, 1934.



Ser. No. 405,272. RUTH'S FABRICS, INC., Brooklyn, N. Y. Filed Apr. 14, 1938.

PARKASET

The skating figure is fanciful. No claim is made to the word "Parkaset" apart from the mark.
For Caps, Scarfs, and Cap and Scarf Combinations for Children, Women, and Men.
Claims use since Mar. 30, 1938.

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Ser. No. 405,318. PLEETOOK PRODUCTS COMPANY, St. Louis, Mo. Filed Apr. 15, 1938.

FAXA

For Aprons.
Claims use since Nov. 18, 1937.

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Ser. No. 405,320. SANDERA FROCKS, INC., New York, N. Y. Filed Apr. 15, 1938.

A Shirley Anne FROCK

The word "Frock" is disclaimed apart from the mark.
For Ladies' and Misses' Cotton Dresses.
Claims use since Feb. 17, 1937.

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Ser. No. 405,386. FLEETWOOD SPORTWEAR CO. INC., New York, N. Y. Filed Apr. 18, 1938.

DIPSY DOODLE

For the Following Articles of Apparel for Ladies and Children: Street Dresses, Sport Dresses, Evening Wraps, Sport Coats, Dress Coats, Knitted Sweaters, Knitted Suits, and Knitted Dresses.
Claims use since Feb. 1, 1938.

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Ser. No. 405,454. THE MAY DEPARTMENT STORES CO., New York, N. Y.; St. Louis, Mo.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo. Filed Apr. 19, 1938.

Cosmetex

For Men's, Misses', and Girls' Stockings.
Claims use since Apr. 1, 1938.

Ser. No. 405,558. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Apr. 21, 1938.



Inter woven

Applicant is owner of T. M. Reg. Nos. 49,830 (renewed) and 351,840.
For Hosiery.
Claims use since Aug. 17, 1936.

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Ser. No. 405,612. OCEAN BATHING SUIT COMPANY, INC., New York, N. Y. Filed Apr. 22, 1938.



For Knitted Outerwear and Beach Wear—Namely, Sweaters, Play Suits, Jackets, Shirts, Skirts, Vestees, Dresses, Mufflers, Snow-Hats, Snow-Suits, Bathing Suits, Pajamas, and Beach Robes for Men, Women, and Children.
Claims use since Feb. 18, 1938.

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Ser. No. 405,646. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Apr. 23, 1938.

"Wild Life"

For Hosiery.
Claims use since Apr. 12, 1938.

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Ser. No. 405,675. ADLER & ADLER, INC., New York, N. Y. Filed Apr. 25, 1938.

Shirtmaster

For Misses' and Women's Dresses, Suits, Skirts, Jackets and Coats, and Blouses.
Claims use since Apr. 11, 1938.

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Ser. No. 405,723. HART, SCHAFFNER & MARX, Chicago, Ill. Filed Apr. 26, 1938.

SHAGLAND

For Men's and Boys' Coats, Suits, Overcoats, Topcoats, Vests, Trousers, Knickerbockers, and Breeches.
Claims use since Apr. 22, 1938.

Ser. No. 405,832. WOLVERINE KNITTING MILLS, Bay City, Mich. Filed Apr. 28, 1938.

SWA-ETTE

For Underwear for Women and Children and Nightgowns and Pajamas.
Claims use since Apr. 1, 1938.

## CLASS 40

### Fancy Goods, Furnishings, and Notions

Ser. No. 401,082. TILTON & COOK CO., Leominster, Mass. Filed Dec. 20, 1937.

TILCO

For Hair Pins, Barrettes, Bandeaux, Combs, Hair Clips, Buttons, Buckles, Knitting Needles, and Crochet Hooks of Plastic Material.
Claims use since Jan. 1, 1930.

Ser. No. 402,480. LILY MILLS COMPANY, Shelby, N. C. Filed Jan. 29, 1938.

VIKING

For Hand Knitting Needles and Hand Sewing Needles.
Claims use since Jan. 24, 1938.

Ser. No. 405,548. WENDELL J. CALEY, Philadelphia, Pa. Filed Apr. 21, 1938.

Iceberg

For Artificial Flowers.
Claims use since Oct. 27, 1937.

Ser. No. 405,557. INTERNATIONAL BRAID COMPANY, Providence, R. I. Filed Apr. 21, 1938.

SHAG

For Shoe Laces and Braids.
Claims use since Mar. 18, 1938.

## CLASS 42

### Knitted, Netted, and Textile Fabrics

Ser. No. 400,431. THE MILLVILLE MANUFACTURING COMPANY, Philadelphia, Pa. Filed Dec. 3, 1937.

RED STAR

For Cotton Piece Goods, Cotton Flannel, Outing Flannel, Canton Flannel, and Kasha Cloth, all in the piece.
Claims use since Nov. 5, 1937.

Ser. No. 400,874. NAAMLOOZE VENNOOTSCHAP HELMONDSCHE TEXTIEL MAATSCHAPPIJ, Helmond, Netherlands. Filed Dec. 15, 1937.

H T M

For Printed Cotton Blankets, Cotton Moquette in the Piece, Carpets, Woolen Blankets, Curtains, Bedspreads, Couch Covers, Table Covers, Cushion Cases (Also Called "Covers"), Cotton Draperies in the Piece, Cotton Upholstery Materials in the Piece, Cotton Velvets in the Piece, Cotton Velvets with Artificial Silk Pile in the Piece, and Woolen Suitings for Men and Women, in the Piece.
Claims use since July 31, 1937.

Ser. No. 403,547. I. GREENMAN, SONS & CO., INC., New York, N. Y. Filed Mar. 1, 1938.

ROYAL FAMILY

For Bed Spreads, Bath Mats, Blankets, Linen Sets, Napkins, Pillow Cases, Sheets, Tickings, Towels, Table Covers, and Piece Goods—Namely, Cretonne, Damask, Flannel, and Muslin.
Claims use since Jan. 6, 1938.



Ser. No. 404,181. NEWARK COMFORT CO., INC., Newark, N. J. Filed Mar. 17, 1938.

WHITE CROSS SANITARY PRODUCTS

No claim is made to the words "Sanitary Products" apart from the mark.
For Crib Comforters, Baby Pillows and Pillows, Crib Blankets, Crib Spreads, Doll Quilts, Doll Spreads, Comforters, Blankets, and Spreads, made of Rayon, Celanese, Silk, and Pan Satin.
Claims use since Jan. 1, 1938.

Ser. No. 404,795. THE CEDAR CLIFF SILK CO., INC., New York, N. Y. Filed Apr. 2, 1938.

THE WORLD OVER NONE BETTER

Applicant disclaims the words "Satins", "The World Over", and "None Better" as a part of the mark.
For Silk, Satin, and Silk and Cotton Mixtures in the Piece.
Claims use since Nov. 15, 1937.

Ser. No. 404,817. MOUNT HOPE FINISHING COMPANY, Dighton, Mass. Filed Apr. 2, 1938.

DIGHTONIZED

For Textile Fabrics in the Piece, Including Broadcloth, Sateen, Marquisette, Swiss, Lawn, Pongee, Rayon Taffeta, Rayon Crepe, Spun Rayon, Voiles.
Claims use since Mar. 2, 1938.

Ser. No. 405,099. BATES FABRICS, INC., New York, N. Y. Filed Apr. 11, 1938.

Bates

"Loomed to be Heirloomed"

Applicant is owner of T. M. Reg. Nos. 86,025 and 125,958 effected under the ten-year proviso for the word "Bates". The word "Loomed" is disclaimed apart from the mark.
For Bedspreads.
Claims use since Feb. 11, 1938.

Ser. No. 405,345. CARLTON MILLS CO., INC., Philadelphia, Pa. Filed Apr. 16, 1938.

RUSSKARA

For Woolen Piece Goods.
Claims use since July, 1936.

Ser. No. 405,369. PRINCETON KNITTING MILLS, INCORPORATED, Watertown, Conn., and New York, N. Y. Filed Apr. 16, 1938.

FLUFFKNIT

For Knitted Textile Fabrics in the Piece of Cotton, Wool, Silk, and Artificial Silk.
Claims use since Mar. 1, 1938.

Ser. No. 405,430. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Apr. 19, 1938.

BABYCREST

For Muslin Sheets and Pillow Cases, Percale Sheets and Pillow Cases, Stockinette Crib Sheets; Bedspreads of Silk, Linen, and Cotton; Baby Carriage Covers and Pillow Cases of Silk, Satin, Linen, and Cotton; Cotton Wrapping Blanket; Flannelette Sheets, Flannelette Bath Sheets, Terry Knit Bath Sheets; Terry Knit Towels; Knit Wash Cloths; Knit Bath Sheets; Knit Towels; Gauze Pads.
Claims use since Aug. 15, 1937.

Ser. No. 405,881. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y. Filed Apr. 30, 1938.

BOUCLORA

For Fabrics in the Piece of Cotton, Silk, Rayon, Wool, Linen, and/or Combinations Thereof.
Claims use since January, 1938.

Ser. No. 405,913. CONE EXPORT AND COMMISSION COMPANY, New York, N. Y. Filed May 2, 1938.

SUNGLO

For Textile Fabrics in the Piece Made of Corduroy.
Claims use since Dec. 31, 1931.

Ser. No. 405,919. C. M. DELAND, New York, N. Y. Filed May 2, 1938.




For Woolen Piece Goods.
Claims use since Mar. 14, 1938.

Ser. No. 405,990. HOCKMEYER BROS., INC., New York, N. Y., and Portland, Maine. Filed May 4, 1938.

JunioroY

For Cotton Piece Goods—To Wit, Corduroy.
Claims use since Apr. 21, 1938.

## CLASS 44

### Dental, Medical, and Surgical Appliances

Ser. No. 399,341. CONDUCTO-THERM CORPORATION, Las Vegas, Nev., and Los Angeles, Calif. Filed Nov. 5, 1937.

HUMIDITHERM

For Fever Therapy Apparatus.
Claims use since December, 1936.

Ser. No. 403,121. JACOB FEINTUCH, Brooklyn, N. Y. Filed Feb. 17, 1938.

Dento | Metalen

The word "Metalen" is disclaimed apart from the mark.
For Dental Casting Alloys.
Claims use since Jan. 3, 1938.

## CLASS 45

### Beverages, Nonalcoholic

Ser. No. 396,590. ARCTIC FRUIT ALES CO., INC., Brooklyn, N. Y. Filed Aug. 20, 1937.




The drawing is lined for red and black. No claim is made to the word "Fruit-Ales" apart from the mark.
For Maltless, Nonalcoholic Beverages Sold as Soft Drinks and Syrups and Extracts for Making the Same.
Claims use since 1929.

Ser. No. 399,373. RED SEAL BEVERAGE COMPANY, Chicago, Ill. Filed Nov. 5, 1937.




Applicant is the owner of Cert. 44,746 (renewed) showing "Red Seal". The applicant disclaims "Cherry Koke" except as shown.
For Maltless Non-Alcoholic Carbonated Beverages.
Claims use since April, 1932.

Ser. No. 403,348. JOSEPH G. POLAKOFF, doing business as Polly Brand Products Company, Newark, N. J. Filed Feb. 21, 1938.

"FROST-O-SHAKE"

The words "Frost" and "Shake" are disclaimed apart from the mark.
For Nonalcoholic Beverage Prepared from Dry Ingredients Dissolved by the Addition of Water.
Claims use since Jan. 5, 1937.



Ser. No. 404,037. M. M. FARRELL & SONS, doing business as Dominion Dry Co., Burlington, Vt. Filed Mar. 14, 1938.

Dominion Dry

No claim is made to the word "Dry" apart from the mark.
For Ginger Ale and Soft Drinks.
Claims use since Sept. 12, 1936.

Ser. No. 404,336. THE TRY ME BOTTLING COMPANY, Washington, D. C. Filed Mar. 21, 1938.

DIXIECOLA

"Cola" is disclaimed apart from the mark.
For Non-Alcoholic Maltless Beverages Sold as Soft Drinks and Extracts Used in Making Same.
Claims use since Apr. 20, 1934.

Ser. No. 406,178. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y. Filed May 10, 1938.

BARSOUR

For Mixers for Use in the Preparation of Beverages.
Claims use since Apr. 14, 1938.

## CLASS 46

### Foods and Ingredients of Foods

Ser. No. 376,861. PRODUCE CONDITIONERS, INCORPORATED, Miami, Fla. Filed Apr. 6, 1936.




The word "Conditioned" is disclaimed apart from the mark as shown in the drawing.
For Fresh Citrus Fruits, Peaches, Fresh Vegetables and Fresh Strawberries.
Claims use since Aug. 1, 1935.

Ser. No. 390,052. DAVEES, Springfield, Ill. Filed Mar. 15, 1937.

KETTLE TO KOUNTER KANDY

The word "Kandy" is disclaimed apart from the mark as shown in the drawing.
For Candied Nuts and Candies.
Claims use since Dec. 1, 1936.

Ser. No. 395,072. H. L. LYONS, Pompano, Fla. Filed July 10, 1937.

LYONS' GIRO

The name "Lyons" is disclaimed apart from the mark.
For Fresh and Canned Vegetables, Also Fruit Juices.
Claims use since Apr. 21, 1937.

Ser. No. 398,572. THE BENJAMIN GOLDSTEIN CO., New York, N. Y. Filed Oct. 16, 1937.




The word "Best" is disclaimed except as shown. The drawing is lined for Red.
For Potatoes.
Claims use since Aug. 1, 1937.

Ser. No. 398,950. WEST ONTARIO CITRUS ASSOCIATION, Ontario, Calif. Filed Oct. 25, 1937.

LITTLE CHIEF

For Fresh Citrus Fruits.
Claims use since July 1, 1937.

Ser. No. 399,102. JESSE MINOR, doing business as Hi-Top Candy Co., San Diego, Calif. Filed Oct. 29, 1937.

HI-TOP

For Candy.
Claims use since Sept. 15, 1937.

Ser. No. 399,312. JOHN MORRELL & CO., Ottumwa, Iowa. Filed Nov. 4, 1937.

PRIDE

For Meat Products—Namely, Hams, Bacon, Cooked Ham, Boned Ham, Pork Loin, Shoulder, Boneless Butts, Picnics, Lamb, Beef, Braunschweiger, Weiners, Tongue Salad, Bologna, Meat Loaf, Liver Cheese, Pork Sausage Patties, Pork Sausage Links, Deviled Tongue; Veal, Pork, and Beef Loaf; Roast Beef, Ham Patties, Tripe, Ox Tongue, Dried Beef, Scrapple, Vienna Sausage, Deviled Ham, Lunch Tongue, Potted and Deviled Meat Product Consisting of Ground Beef, Cereal, and Seasonings; Corned Beef, Corned Beef Hash, Spiced Luncheon Meat, Spiced Ham, Spiced Pork Loin, Cooked Pigs' Feet, Cooked Pigs' Feet Cutlets, Cooked Hocks, Pig Hearts, Pig Tongues, Lamb Tongues, and Calf Tongues; and Chili Con Carne, Eggs, Fresh Poultry, Canned Savory Chicken, Tamales, Canned Mulligan Stew, and Beef Stew, Canned Brains and Gravy, Mincemeat, Plum Pudding, Sandwich Spread, Canned Beef and Vegetable Dinner, Buffet Spread Consisting of Ground Beef, Pork, Cereals, and Seasonings; and Lard.
Claims use since 1880 on hams, bacon, and lard; since Sept. 11, 1937 on other goods.

Ser. No. 401,642. C. E. GROSJEAN RICE MILLING CO., San Francisco, Calif. Filed Jan. 5, 1938.

NO. 200 CALIFORNIA ROSE



No claim is made to the name "California" apart from the mark as shown.
For Rice.
Claims use since Oct. 12, 1932.

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Ser. No. 401,843. HEARST SUNICAL LAND AND PACKING CORPORATION, San Francisco, Calif. Filed Jan. 11, 1938.

MOTHER'S CUPBOARD

For Canned Fruits.
Claims use since Apr. 19, 1932.

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Ser. No. 401,845. HEARST SUNICAL LAND AND PACKING CORPORATION, San Francisco, Calif. Filed Jan. 11, 1938.

Sunical

For Canned Fruit Juices for Food Purposes.
Claims use since Jan. 12, 1937.

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Ser. No. 402,876. COMMANDITAIRE VENNOOTSCHAP OP AANDEELEN TIELEMAN & DROS, Leiden, Netherlands. Filed Feb. 9, 1938.

TIDRO

For Ready Dishes—Namely, Combined Vegetables and Meat, and Combined Vegetables, Potatoes, and Meat; and Jams, Marmalades, Soups, Pickles, Hams, Shoulders, Picnic Hams, Cooked Ham, and Canned Vegetables.
Claims use since Oct. 1, 1930.

Ser. No. 404,331. JAMES E. TASLEY, doing business as U. S. Dried Egg Co., New York, N. Y. Filed Mar. 21, 1938.




No claim is made to the word "Brand" apart from the mark as shown in the drawing.
For Powdered Egg Yolks, Powdered Egg Albumen.
Claims use since Mar. 14, 1938.

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Ser. No. 404,599. AUGUST P. BULL, doing business as August P. Bull Candy Company, San Antonio, Tex. Filed Mar. 29, 1938.




The drawing is lined for red and green. No claim is made to any wording apart from the mark.
For Candy.
Claims use since Apr. 27, 1927.

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Ser. No. 404,919. SOUTHERN BISCUIT COMPANY, INCORPORATED, Richmond, Va. Filed Apr. 5, 1938.

FFV TAVERN APPETIZERS

The word "Appetizers" is disclaimed apart from its association with the other features of the mark.
For Biscuits.
Claims use since Mar. 21, 1938.

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Ser. No. 405,294. GUM INCORPORATED, Philadelphia, Pa. Filed Apr. 15, 1938.

Big Battles

For Chewing Gum.
Claims use since Apr. 1, 1938.

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Ser. No. 405,295. GUM INCORPORATED, Philadelphia, Pa. Filed Apr. 15, 1938.

COMBAT

For Chewing Gum.
Claims use since Apr. 1, 1938.



Ser. No. 405,296. GUM INCORPORATED, Philadelphia, Pa. Filed Apr. 15, 1938.

Modern Fighters

For Chewing Gum.
Claims use since Apr. 1, 1938.

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Ser. No. 405,297. GUM INCORPORATED, Philadelphia, Pa. Filed Apr. 15, 1938.

Terrible Conflicts

For Chewing Gum.
Claims use since Apr. 1, 1938.

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Ser. No. 405,312. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif. Filed Apr. 15, 1938.

REAL GOLD

For Canned Citrus Juices for Food Purposes.
Claims use since Apr. 4, 1938.

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Ser. No. 405,729. S. H. KRESS AND COMPANY, New York, N. Y. Filed Apr. 26, 1938.

CLIX

For Chewing Gum.
Claims use since Apr. 5, 1938.

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Ser. No. 405,748. HARVEY L. SHOMO, Philadelphia, Pa. Filed Apr. 20, 1938.

SUMOLAE

For Loose and Packaged Teas.
Claims use since Jan. 1, 1937.

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Ser. No. 405,968. PICCHI BROS., Stockton, Calif. Filed May 3, 1938.




For Fresh Vegetables—Namely, Asparagus.
Claims use since Apr. 22, 1938.



## CLASS 47

### Wines

Ser. No. 403,572. WADHAMS & COMPANY, Portland, Oreg. Filed Mar. 1, 1938.

Cal-Rose

The words "Rose" and "Brand" are disclaimed apart from the mark.
For Wines.
Claims use since Feb. 17, 1938.

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Ser. No. 404,763. ITALIAN SWISS COLONY, San Francisco, Calif. Filed Apr. 1, 1938.

Sun-Vin

No claim is made to the word "Vin" apart from the mark as shown.
For Wines.
Claims use since Feb. 24, 1938.

## CLASS 49

### Distilled Alcoholic Liquors

Ser. No. 398,100. EZEKIEL S. EPSTEIN, Danville, Ill. Filed Oct. 4, 1937.

OLD CANNON

For Whiskey.
Claims use since May 12, 1934.

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Ser. No. 403,153. HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Feb. 17, 1938.

White Swan

For Gin.
Claims use since June 18, 1934.

Ser. No. 403,703. MARYLAND WINE & LIQUOR COMPANY, INC., Chicago, Ill. Filed Mar. 4, 1938.




No claim is made to the words "Stock", "Bond", or "Club" apart from their association with each other as disclosed by the drawing.

For Whiskey.

Claims use since Feb. 26, 1938.

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Ser. No. 405,163. RAMÓN C. JULIÁ, doing business as Cía Licorera Juliá, Santurce, San Juan, Puerto Rico. Filed Apr. 12, 1938.




For Rum.

Claims use since Nov. 15, 1937.

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Ser. No. 405,191. BEN-BURK, INC., Boston, Mass. Filed Apr. 13, 1938.

OLD
# Mr. BOSTON

"SILVER LABEL"

No claim is made to a silver colored label, per se.

Applicant is the owner of Registration No. 341,344, effected under the 10-year proviso, covering the word "Boston".

For Rye and Bourbon Whiskey.

Claims use since Apr. 1, 1938.

Ser. No. 405,475. BARBARESSO BROTHERS, Piraeus, Greece. Filed Apr. 20, 1938.




For Brandy.

Claims use since 1845.

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Ser. No. 405,552. JOSEPH S. FINCH AND COMPANY, New York, N. Y., and Schenley, Pa. Filed Apr. 21, 1938.

# MARIMBA

For Rum, Whiskey, Gin, Brandy, and Alcoholic Cordials.

Claims use since Mar. 4, 1938.

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Ser. No. 405,667. PUERTO RICO DISTILLING COMPANY, Arecibo, Puerto Rico. Filed Apr. 23, 1938.

# COOLIBRE

For Rum, Liqueurs, Alcoholic Cocktails, and Beverages Containing Portions of Rum.

Claims use since Apr. 21, 1938.

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Ser. No. 405,891. PENNSYLVANIA DISTILLING CO., INC., Logansport and Philadelphia, Pa. Filed Apr. 30, 1938.




No claim is made to the words "Philadelphia Club" apart from the mark.

For Whiskey.

Claims use since Apr. 1, 1937.

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## CLASS 50

### Merchandise Not Otherwise Classified

Ser. No. 391,816. LEVI & GADE, Chicago, Ill. Filed Apr. 24, 1937.

# *TREE BRILLIANTS*

For Christmas Tree Ornaments.

Claims use since Feb. 18, 1937.



Ser. No. 395,882. KURT P. REIMANN, New York, N. Y. Filed July 31, 1937.




The word "Fabrics" is disclaimed apart from the mark.

For Fabrics Woven From Silk, Cotton, Rayon, and Acetates, Which Fabrics Have Had a Coating Applied to Them Making Them Water and Moisture Repellent.

Claims use since Nov. 1, 1936.

Ser. No. 403,539. SAM W. CLUTTON, Great Falls, Mont. Filed Mar. 1, 1938.

# ELEPHADUNK

For Statuette and Ornamental Figures.

Claims use since Oct. 1, 1937.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 21, 1938

357,891. METAL COATED FERROUS METAL IN SHEET AND STRIP FORM. WHEELING CORRUGATING COMPANY, Wheeling, W. Va.
Filed April 12, 1935. Serial No. 363,680. PUBLISHED DECEMBER 3, 1935. Class 14.

357,892. FLUID PUMPS, MINING MACHINERY—NAMELY, ROCK CRUSHERS, ORE MILLS, AND HYDRAULIC NOZZLES. UNITED IRON WORKS, Oakland, Calif.
Filed January 21, 1936. Serial No. 373,940. PUBLISHED APRIL 12, 1938. Class 23.

357,893. RUBBER TOYS FOR BEACH AND SWIMMING USE—SPECIFICALLY, BEACH BALLS, SWIMMING RINGS, RUBBER TOYS FOR BEACH AND SWIMMING USE, RUBBER DEVICES FOR SWIMMING INSTRUCTION, WATER ANIMALS, RUBBER BOATS, AND RUBBER SWIMMING AND BEACH MATTRESSES. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed June 5, 1936. Serial No. 379,367. PUBLISHED APRIL 12, 1938. Class 22.

357,894. LIGHTWEIGHT WOOLEN PIECE GOODS, COMMONLY KNOWN AS TROPICAL CLOTHS, NOT EXCEEDING IN WEIGHT ELEVEN OUNCES TO THE YARD. EUGENE ELLIS CO., INC., New Orleans, La.
Filed July 7, 1936. Serial No. 380,705. PUBLISHED APRIL 12, 1938. Class 42.

357,895. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. CHARLES A. MEYEROWICH, Stapleton, N. Y.
Filed October 17, 1936. Serial No. 384,471. PUBLISHED JULY 6, 1937. Class 45.

357,896. RAZOR BLADES. THE FEDERAL RAZOR BLADE COMPANY, Newark, N. J.
Filed November 20, 1936. Serial No. 385,785. PUBLISHED FEBRUARY 9, 1937. Class 23.

357,897. WATCH AND CLOCK MOVEMENTS, DIALS, BRIDGES, AND CLOCK AND WATCH CASES, AND ATTACHMENTS THEREFOR. MORRIS L. ALEXANDER, New York, N. Y.
Filed December 30, 1936. Serial No. 387,259. PUBLISHED APRIL 12, 1938. Class 27.

357,898. LIQUEUR, A RECTIFIED PRODUCT. FALERNUM, Fontana, Calif.
Filed January 14, 1937. Serial No. 387,771. PUBLISHED APRIL 12, 1938. Class 49.

357,899. SHAVING CREAM AND SHAVING LOTION FOR USE AS A BEARD SOFTENER. PAUL BUNYAN, INC., St. Paul, Minn.
Filed March 18, 1937. Serial No. 390,294. PUBLISHED APRIL 5, 1938. Class 4.

357,900. WOOLEN, SILK, COTTON, AND LINEN PIECE GOODS. MILBANK, LEAMAN & CO., New York, N. Y.
Filed May 27, 1937. Serial No. 393,343. PUBLISHED APRIL 12, 1938. Class 42.

357,901. SMOKED FISH AND CANNED FISH. CHICAGO SMOKED FISH CO., Chicago, Ill.
Filed June 5, 1937. Serial No. 393,696. PUBLISHED APRIL 12, 1938. Class 46.

357,902. SHOELACES, CORSET LACINGS, UNDERWEAR LACINGS, BLOUSE LACINGS, TAPES, BELTINGS, BINDINGS, ELASTIC NARROW FABRICS, AND BANDINGS, ALL OF WHICH ARE WOVEN OR BRAIDED OF COTTON, RAYON, SILK, OR WORSTED. PROVIDENCE BRAID COMPANY, Pawtucket, R. I.
Filed July 9, 1937. Serial No. 395,048. PUBLISHED SEPTEMBER 28, 1937. Class 40.

357,903. AUTOMOBILE REAR VIEW MIRRORS, MOUNTINGS THEREFOR, AND PARTS OF SAID MOUNTINGS. THE ANDERSON COMPANY, Gary, Ind.
Filed July 21, 1937. Serial No. 395,467. PUBLISHED APRIL 12, 1938. Class 19.

357,904. GRINDING WHEELS AND GRINDING MACHINERY SUCH AS RAILWAY TRACK GRINDERS, WHEEL GRINDERS FOR RAILWAY ROLLING STOCK, CUT-OFF MACHINES, SWINGING GRINDERS AND STAND GRINDERS. FOX GRINDERS, INC., Pittsburgh, Pa.
Filed July 28, 1937. Serial No. 395,707. PUBLISHED MARCH 22, 1938. Class 23.

357,905. STAPLING PLIERS. THE E. H. HOTCHKISS COMPANY, Norwalk, Conn.
Filed July 28, 1937. Serial No. 395,714. PUBLISHED NOVEMBER 16, 1937. Class 37.

357,906. AXES, HATCHETS, PENCIL SHARPENERS, PIPE CUTTERS, KNIVES, SPADES, SHOVELS, HAY AND MANURE FORKS, HAIR CLIPPERS, RAZORS. FRIEDRICH WALTER KRAUSE, doing business as Firma Max Krause, Hamburg, Germany.
Filed August 14, 1937. Serial No. 396,410. PUBLISHED APRIL 12, 1938. Class 23.

357,907. LIQUID AND PASTE PAINTS, PAINT PRIMERS, PAINT ENAMELS AND LACQUERS, AND PAINT REDUCERS. THRESHER VARNISH COMPANY, Dayton, Ohio.
Filed August 20, 1937. Serial No. 396,618. PUBLISHED APRIL 5, 1938. Class 16.

357,908. PIECE GOODS OF COTTON SHEETING, ETC., IMPREGNATED WITH THERMOPLASTIC CEMENTITIOUS MATERIAL FOR USE IN COLLARS, CUFFS, AND STIFF SHIRT FRONTS, AS INTERLININGS, FUSED LININGS, AND INTERMEDIATE CLOTH FABRICS. CHEMICAL TREATING AND EQUIPMENT CO. INC., New York, N. Y.
Filed August 26, 1937. Serial No. 396,762. PUBLISHED APRIL 12, 1938. Class 50.

357,909. NON-OXIDIZING COMPOSITIONS WHICH ARE CLEANERS FOR AUTOMOBILES, METALS, GLASS, LEATHER, AND WOOD, SAID COMPOSITIONS ALSO HAVING POLISHING PROPERTIES. HAROLD G. VALENTINE, doing business as H. G. Valentine Co., Randolph, Mass.
Filed August 26, 1937. Serial No. 396,793. PUBLISHED DECEMBER 28, 1937. Class 4.

357,910. FERTILIZER. VAN CAMP SEA FOOD CO., INC., Terminal Island, Calif.
Filed August 30, 1937. Serial No. 396,939. PUBLISHED APRIL 12, 1938. Class 10.

357,911. SOAP POWDER. CENTRAL SOAP COMPANY, St. Paul, Minn.
Filed September 1, 1937. Serial No. 396,978. PUBLISHED OCTOBER 26, 1937. Class 4.





357,912. ANIMAL TREATING SOAPS FOR RIDDANCE OF FLEAS, LICE, TICKS, AND OTHER VERMIN. GEO. W. CLAYTON CO., Chicago, Ill.
Filed September 22, 1937. Serial No. 397,645. PUBLISHED MARCH 8, 1938. Class 4.

357,913. CAMERAS. BURKE & JAMES, INCORPORATED, Chicago, Ill.
Filed October 1, 1937. Serial No. 397,997. PUBLISHED APRIL 12, 1938. Class 26.

357,914. CAMERAS. BURKE & JAMES, INCORPORATED, Chicago, Ill.
Filed October 1, 1937. Serial No. 397,998. PUBLISHED APRIL 12, 1938. Class 26.

357,915. CAMERAS. BURKE & JAMES, INCORPORATED, Chicago, Ill.
Filed October 1, 1937. Serial No. 398,000. PUBLISHED APRIL 12, 1938. Class 26.

357,916. CAMERAS. BURKE & JAMES, INCORPORATED, Chicago, Ill.
Filed October 1, 1937. Serial No. 398,001. PUBLISHED APRIL 12, 1938. Class 26.

357,917. SOAP FLAKES FOR TOILET PURPOSES. ALEXANDER J. BOLBER, doing business as Aimé Distributing Co., New York, N. Y.
Filed October 7, 1937. Serial No. 398,234. PUBLISHED APRIL 5, 1938. Class 4.

357,918. SERIES OF EXTRA SENSORY PERCEPTION TEST CARDS. JOSEPH BANKS RHINE, Durham, N. C.
Filed October 7, 1937. Serial No. 398,259. PUBLISHED APRIL 12, 1938. Class 22.

357,919. FABRICS, BEING PREFERABLY APPLICABLE TO WIDE ELASTIC FABRICS IN THE PIECE IN WHICH ELASTIC STRAND MATERIAL IS INCORPORATED. LAWSON PRODUCTS, INC., Central Falls, R. I.
Filed October 11, 1937. Serial No. 398,360. PUBLISHED APRIL 12, 1938. Class 42.

357,920. GAMES, AND MORE PARTICULARLY A GAME BOARD HAVING GAME PIECES ADAPTED TO BE USED IN CONJUNCTION THEREWITH. WIKI-WIKI COMPANY, Los Angeles, Calif., assignor to Wiki-Wiki Novelties, Muncie, Ind., a partnership composed of Albert J. Lord, Leslie C. Kitselman, and A. L. Kitselman, Jr., copartners.
Filed October 13, 1937. Serial No. 398,446. PUBLISHED APRIL 12, 1938. Class 22.

357,921. WHISKEY. BEN-BURK, INC., Boston, Mass.
Filed October 14, 1937. Serial No. 398,455. PUBLISHED NOVEMBER 23, 1937. Class 49.

357,922. GELATIN. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed October 15, 1937. Serial No. 398,548. PUBLISHED JANUARY 4, 1938. Class 46.

357,923. BAKING POWDER. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed November 2, 1937. Serial No. 399,253. PUBLISHED JANUARY 4, 1938. Class 46.

357,924. LADIES' LEATHER GLOVES. THE SUPERB GLOVE CO., Johnstown, N. Y.
Filed October 28, 1937. Serial No. 399,023. PUBLISHED JANUARY 18, 1938. Class 39.

357,925. JEWELRY BOXES MADE OF PAPER OR COVERED PAPER. HENRY PAULSON, Chicago, Ill.
Filed November 10, 1937. Serial No. 399,533. PUBLISHED APRIL 12, 1938. Class 2.

357,926. IRON FILINGS FOR THE ELECTROTYPING TRADE. CHEMICAL BORINGS CO. OF AMERICA, Chicago, Ill.
Filed November 10, 1937. Serial No. 399,557. PUBLISHED APRIL 5, 1938. Class 14.

357,927. COMBINATION ELECTRIC RUG AND CARPET LAUNDRY MACHINE. CONTINENTAL CAR-NA-VAR CORPORATION, Brazil, Ind.
Filed November 5, 1937. Serial No. 399,634. PUBLISHED JANUARY 4, 1938. Class 24.

357,928. BORDEAUX WINES. JULIUS WILE, SONS & CO., INC., New York, N. Y.
Filed November 12, 1937. Serial No. 399,695. PUBLISHED JANUARY 25, 1938. Class 47.

357,929. MALT CHOCOLATE MIXTURE IN POWDER FORM. BESTOV PRODUCTS, INC., New York, N. Y.
Filed November 17, 1937. Serial No. 399,819. PUBLISHED JANUARY 25, 1938. Class 46.

357,930. CANDLEWICK OR TUFTED BEDSPREADS, HANDMADE AND MACHINEMADE, TUFTED BATH MATS, AND TUFTED COVERS FOR TOILET SEAT COVERS. POLLY PRENTISS, INC., Sumter, S. C.
Filed November 18, 1937. Serial No. 399,897. PUBLISHED APRIL 12, 1938. Class 42.

357,931. DECORATED, PRINTED, AND ORNAMENTED KNITTED AND WOVEN TEXTILE FABRICS, WHICH FABRICS ARE IN THE PIECE AND MAY BE CREPE GOODS OR FLAT GOODS AND MAY CONSIST OF COTTON, SILK, LINEN, WOOL, OR MIXTURES THEREOF. VELVERAY CORPORATION OF AMERICA, New York, N. Y.
Filed November 18, 1937. Serial No. 399,912. PUBLISHED APRIL 12, 1938. Class 42.

357,932. SNOW SUITS, SKI SUITS, SPORT COATS, SKI PANTS, AND LEGGINGS FOR MEN, WOMEN, AND CHILDREN. THE O. L. HINDS COMPANY, Burlington, Vt.
Filed November 19, 1937. Serial No. 399,929. PUBLISHED JANUARY 18, 1938. Class 39.

357,933. READY MIXED PAINT. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed November 22, 1937. Serial No. 400,004. PUBLISHED APRIL 5, 1938. Class 16.

357,934. CANNED FRUITS. FRAZAR & COMPANY, New York, N. Y.
Filed November 30, 1937. Serial No. 400,297. PUBLISHED FEBRUARY 8, 1938. Class 46.

357,935. CLEANSER AND PARTICULARLY ALKALINE CHEMICAL SALT COMPOSITIONS TO BE DISSOLVED IN WATER TO FORM CLEANING SOLUTIONS FOR SURFACES, FABRICS, AND OTHER USES. SNO-WHITE MANUFACTURING CO., Monongahela, Pa.
Filed December 3, 1937. Serial No. 400,440. PUBLISHED APRIL 5, 1938. Class 4.

357,936. LAWN MOWERS. HALL HARDWARE COMPANY, Minneapolis, Minn.
Filed December 4, 1937. Serial No. 400,458. PUBLISHED APRIL 12, 1938. Class 23.

357,937. POTTERY FLOWER AND BUD VASES, PITCHERS, POWDER BOXES, PERFUME BOTTLES, JEWELRY BOXES, TEA AND COFFEE SETS, URNS, AND BASKETS. LEO KAUL, Chicago, Ill.
Filed December 4, 1937. Serial No. 400,460. PUBLISHED APRIL 12, 1938. Class 30.

357,938. KNITTED SWEATERS. OLYMPIC KNITTING MILLS, INC., New York, N. Y.
Filed December 4, 1937. Serial No. 400,466. PUBLISHED MARCH 1, 1938. Class 39.

357,939. AIR HEATING AND CONDITIONING UNITS USING FLUID AND/OR SOLID FUEL AND PARTS THEREOF. KAUSTINE COMPANY, INC., Perry, N. Y.
Filed December 8, 1937. Serial No. 400,602. PUBLISHED APRIL 12, 1938. Class 34.

357,940. MOVING PICTURE FILMS. GREATER BOSTON THEATRES INC., Boston, Mass.
Filed December 8, 1937. Serial No. 400,626. PUBLISHED APRIL 12, 1938. Class 26.

357,941. METALLIC COPPER AND COPPER MANUFACTURES—NAMELY, PLATES, SHEETS, WIRES, STRIPS, RODS, BARS, MOLDINGS, AND SECTIONS. VEREINIGTE DEUTSCHE METALLWERKE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed December 11, 1937. Serial No. 400,737. PUBLISHED APRIL 5, 1938. Class 14.

357,942. PARLOR GAME INCLUDING SEVERAL PRINTED OR WRITTEN PAMPHLETS ADAPTED TO BE CONTAINED IN A FOLDER AND DISTRIBUTED TO VARIOUS PARTICIPANTS, ETC. "CRIME PREVENTED", Chicago, Ill.
Filed December 13, 1937. Serial No. 400,755. PUBLISHED APRIL 12, 1938. Class 22.

357,943. PLASTER OF PARIS BANDAGES. CELLON-WERKE DR. ARTHUR EICHENGRÜN CHEMISCHE FABRIK, Berlin-Charlottenburg, Germany.
Filed December 14, 1937. Serial No. 400,831. PUBLISHED APRIL 12, 1938. Class 44.

357,944. PULVERIZING APPARATUS COMPRISING A ROTARY RECEPTACLE HAVING AN ANNULAR FLANGE PORTION ENGAGED INTERNALLY, ETC. COMBUSTION ENGINEERING COMPANY, INC., New York, N. Y., doing business as Raymond Pulverizer Division, Combustion Engineering Company, Inc., Chicago, Ill.
Filed December 16, 1937. Serial No. 400,905. PUBLISHED APRIL 12, 1938. Class 23.

357,945. PASTE PAINTS, WALL PAINTS, COLORS IN OIL, AND VARNISHES. PORTER PAINT COMPANY, Louisville, Ky.
Filed December 20, 1937. Serial No. 401,075. PUBLISHED MARCH 29, 1938. Class 16.

357,946. DOLLS. BERTHA ALEXANDER, doing business as Madame Alexander and Alexander Doll Company, New York, N. Y.
Filed December 21, 1937. Serial No. 401,099. PUBLISHED APRIL 12, 1938. Class 22.

357,947. FEEDS, PARTICULARLY FEEDS FOR DOMESTICATED ANIMALS AND ESPECIALLY DAIRY FEEDS. GENERAL MILLS, INC., Minneapolis, Minn.
Filed December 23, 1937. Serial No. 401,182. PUBLISHED APRIL 12, 1938. Class 46.

357,948. STEEL IN BARS, BILLETS, AND SHAPES. THE CARPENTER STEEL COMPANY, Reading, Pa.
Filed December 24, 1937. Serial No. 401,207. PUBLISHED FEBRUARY 15, 1938. Class 14.

357,949. TEA AND FRUIT JUICE STRAINERS. CONTINENTAL GEM CO., INC., New York, N. Y.
Filed December 27, 1937. Serial No. 401,238. PUBLISHED APRIL 12, 1938. Class 13.

357,950. BATHROOM WALL ACCESSORIES—TO WIT, GLASS SHELVES, SOAP HOLDERS, TUMBLER HOLDERS, TOOTHBRUSH HOLDERS, ETC. HALLENSCHEID & MCDONALD, Los Angeles, Calif.
Filed January 3, 1938. Serial No. 401,463. PUBLISHED APRIL 12, 1938. Class 13.

357,951. PREPARATION USED AS A PRESERVATIVE AND FILLER FOR TRANSMISSION BELTS AND ROPES. CLING-SURFACE COMPANY, Buffalo, N. Y.
Filed January 5, 1938. Serial No. 401,555. PUBLISHED APRIL 5, 1938. Class 4.

357,952. WOMEN'S GARMENTS—NAMELY, DRESSES AND WOMEN'S UNIFORMS. THE L. N. GROSS COMPANY, Cleveland, Ohio.
Filed January 4, 1938. Serial No. 401,638. PUBLISHED APRIL 12, 1938. Class 39.

357,953. SHOE WHITE. BALDWIN LABORATORIES, INC., Saegertown, Pa.
Filed January 8, 1938. Serial No. 401,686. PUBLISHED APRIL 5, 1938. Class 4.

357,954. FROZEN ASPARAGUS. BROWN PACKING COMPANY, Philadelphia, Pa.
Filed January 8, 1938. Serial No. 401,690. PUBLISHED APRIL 12, 1938. Class 46.

357,955. FURNITURE AND AUTOMOBILE POLISH. OIL SPECIALTIES & REFINING CO. INC., Brooklyn and New York, N. Y.
Filed January 8, 1938. Serial No. 401,699. PUBLISHED APRIL 12, 1938. Class 16.

357,956. POLISHING WAX FOR FLOORS AND METAL. OIL SPECIALTIES & REFINING CO. INC., Brooklyn and New York, N. Y.
Filed January 8, 1938. Serial No. 401,701. PUBLISHED APRIL 12, 1938. Class 16.

357,957. VINEGAR. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed January 13, 1938. Serial No. 401,876. PUBLISHED APRIL 12, 1938. Class 46.

357,958. FLUSH VALVE BALLS. HERMAN ROSENTHAL, doing business as Seal Master, Ansonia, Conn.
Filed January 14, 1938. Serial No. 401,918. PUBLISHED APRIL 12, 1938. Class 13.

357,959. FERTILIZER AND FERTILIZER MATERIALS. THE PHOSPHATE MINING COMPANY, New York, N. Y.
Filed January 15, 1938. Serial No. 401,945. PUBLISHED APRIL 12, 1938. Class 10.

357,960. HOSE REELS. CHARLES A. LYON, Kansas City, Mo.
Filed January 19, 1938. Serial No. 402,096. PUBLISHED APRIL 12, 1938. Class 13.

357,961. BREAD, ROLLS, CAKES, DOUGHNUTS, COOKIES, PIES, AND PASTRIES. BON TON BAKING COMPANY, Petoskey, Mich.
Filed January 21, 1938. Serial No. 402,173. PUBLISHED APRIL 12, 1938. Class 46.

357,962. KNITTED AND WOVEN PIECE GOODS OF WORSTED, COTTON, SILK, RAYON, AND LINEN, AND OF COMBINATIONS OF THESE MATERIALS. JOSEF KNITTED FABRICS COMPANY, INC., New York, N. Y.
Filed January 21, 1938. Serial No. 402,190. PUBLISHED APRIL 12, 1938. Class 42.

357,963. BELT LACER PINS. CLIPPER BELT LACER COMPANY, Grand Rapids, Mich.
Filed January 24, 1938. Serial No. 402,249. PUBLISHED APRIL 12, 1938. Class 13.

357,964. TOILET SOAP. HENRY ZIMMERMANN, doing business as Medallion Cosmetic Co., New York, N. Y.
Filed January 24, 1938. Serial No. 402,284. PUBLISHED APRIL 5, 1938. Class 4.

357,965. POWDERED STABILIZER FOR MILK PRODUCTS SUCH AS ICE CREAM. STEIN, HALL & COMPANY, INC., New York, N. Y.
Filed January 26, 1938. Serial No. 402,348. PUBLISHED APRIL 12, 1938. Class 46.

357,966. SINK TOPS AND CABINETS, ESPECIALLY THOSE MADE OF NICKEL AND/OR COPPER AND/OR ALLOYS THEREOF. WHITEHEAD METAL PRODUCTS COMPANY OF NEW YORK, INC., New York, N. Y.
Filed January 26, 1938. Serial No. 402,355. PUBLISHED APRIL 12, 1938. Class 13.

357,967. WHEAT FLOUR. HOUSTON MILLING COMPANY, Houston, Tex.
Filed January 28, 1938. Serial No. 402,426. PUBLISHED APRIL 12, 1938. Class 46.

357,968. WOMEN'S AND MISSES' TWO-PIECE PLAYSUITS MADE OF A PRINTED RAYON FABRIC. LOOMTOGS, INC., New York, N. Y.
Filed January 28, 1938. Serial No. 402,428. PUBLISHED APRIL 12, 1938. Class 39.

357,969. PAINTS (READY MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, LACQUERS, JAPANS, VARNISHES, STAINS, PAINT FILLERS, WATER PAINTS, WHITE LEAD, DRY PAINT COLORS, AND PAINT PIGMENTS. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed January 28, 1938. Serial No. 402,447. PUBLISHED APRIL 12, 1938. Class 16.

357,970. PRINTED FORMS AND ACCOUNT CARDS FOR USE IN A REPORTING AND SERVICE SYSTEM TO AND FOR BANKS, IN CONNECTION WITH TIME-PAYMENT PAPER. TIME SALES SERVICE BUREAU, INC., Newark, N. J.
Filed January 28, 1938. Serial No. 402,452. PUBLISHED APRIL 12, 1938. Class 37.

357,971. PIECE GOODS MADE OF COTTON AND RAYON MIXED. WHITTENTON MANUFACTURING COMPANY, Boston, Mass.
Filed January 29, 1938. Serial No. 402,494. PUBLISHED APRIL 12, 1938. Class 42.



357,972. LEATHER. LEAS & MCVITTY, INC., Philadelphia, Pa.
Filed January 31, 1938. Serial No. 402,530. PUBLISHED APRIL 12, 1938. Class 1.

357,973. UNIT FOR HUMIDIFYING, CIRCULATING, AND WASHING AIR. LION MANUFACTURING CORPORATION, Chicago, Ill.
Filed January 31, 1938. Serial No. 402,532. PUBLISHED APRIL 12, 1938. Class 34.

357,974. DRIED FRUITS. CALIFORNIA FIG GROWERS AND PACKERS, INC., Fresno, Calif.
Filed February 1, 1938. Serial No. 402,553. PUBLISHED APRIL 12, 1938. Class 46.

357,975. SHOE POLISH. MICHAL SIENKIEWICZ, New York, N. Y.
Filed February 1, 1938. Serial No. 402,575. PUBLISHED APRIL 12, 1938. Class 4.

357,976. SHELLED POP CORN. MIDWEST POP CORN COMPANY, Cleveland, Ohio.
Filed February 2, 1938. Serial No. 402,602. PUBLISHED APRIL 12, 1938. Class 46.

357,977. DRY, PASTE, AND READY MIXED PAINTS, PAINT ENAMELS, STAINS, LACQUERS, AND VARNISHES. THE H. B. DAVIS CO., Baltimore, Md.
Filed February 3, 1938. Serial No. 402,626. PUBLISHED APRIL 12, 1938. Class 16.

357,978. MEDICAL APPLIANCE FOR USE IN ADMINISTERING MEDICAMENTS IN THE TREATMENT OF COLDS, ASTHMA, HAY FEVER, SINUS AFFLICTIONS, EAR AND THROAT AFFLICTIONS. THE ELECTRO-INHALER CO., INC., Washington, D. C.
Filed February 4, 1938. Serial No. 402,701. PUBLISHED APRIL 12, 1938. Class 44.

357,979. GLASS CLEANING PREPARATION. MIDWAY CHEMICAL CO., Jersey City, N. J.
Filed February 5, 1938. Serial No. 402,736. PUBLISHED APRIL 5, 1938. Class 4.

357,980. DRAWING INKS AND CARTOGRAPHIC COLORS. ARTWISE KOLOR COMPANY, Berkeley, Calif.
Filed February 7, 1938. Serial No. 402,760. PUBLISHED APRIL 5, 1938. Class 11.

357,981. LADIES' AND CHILDREN'S JACKETS AND CHILDREN'S NEGLIGEE AND ROBES. BEATRICE LUPO, doing business as Riviera Bed Jacket Co., New York, N. Y.
Filed February 8, 1938. Serial No. 402,822. PUBLISHED APRIL 12, 1938. Class 39.

357,982. WOMEN'S, MISSES' AND CHILDREN'S SILK UNDERWEAR. VAN RAALTE COMPANY, New York, N. Y.
Filed February 9, 1938. Serial No. 402,881. PUBLISHED APRIL 12, 1938. Class 39.

357,983. COTTON PIECE GOODS. RODNEY FIELDING, New York, N. Y.
Filed February 11, 1938. Serial No. 402,940. PUBLISHED APRIL 12, 1938. Class 42.

357,984. COLD WATER PAINTS AND CALCIMINES. I. F. LAUCKS, INC., Seattle, Wash.
Filed February 11, 1938. Serial No. 402,945. PUBLISHED APRIL 5, 1938. Class 16.

357,985. RAYON PIECE GOODS. ABERFOYLE, INC., Norfolk, Va.
Filed February 15, 1938. Serial No. 403,028. PUBLISHED APRIL 12, 1938. Class 42.

357,986. SEED POTATOES. IRVINE & COTTOM, Dillon, Mont.
Filed February 15, 1938. Serial No. 403,050. PUBLISHED APRIL 12, 1938. Class 1.

357,987. SEED POTATOES. IRVINE & COTTOM, Dillon, Mont.
Filed February 15, 1938. Serial No. 403,051. PUBLISHED APRIL 12, 1938. Class 1.

357,988. COTTON, RAYON, SILK, AND WOOLEN PIECE GOODS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed February 15, 1938. Serial No. 403,057. PUBLISHED APRIL 12, 1938. Class 42.

357,989. ADHESIVE MASTIC. SEMON BACHE & COMPANY, New York, N. Y.
Filed February 16, 1938. Serial No. 403,097. PUBLISHED APRIL 12, 1938. Class 5.

357,990. SERVING TRAYS OF WOOD, SERVING TRAYS OF WOOD AND METAL, AND SERVING TRAYS OF WOOD AND PLASTIC MATERIAL. THE AMERICAN ART WORKS, INC., Coshocton, Ohio.
Filed February 17, 1938. Serial No. 403,112. PUBLISHED APRIL 12, 1938. Class 2.

357,991. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 18, 1938. Serial No. 403,162. PUBLISHED APRIL 12, 1938. Class 42.

357,992. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 18, 1938. Serial No. 403,163. PUBLISHED APRIL 12, 1938. Class 42.

357,993. CASTING ALLOYS COMPOSED OF BISMUTH, CADMIUM, LEAD, AND TIN. BOHN ALUMINUM & BRASS CORPORATION, Detroit, Mich.
Filed February 19, 1938. Serial No. 403,193. PUBLISHED APRIL 5, 1938. Class 14.

357,994. COTTON, RAYON, ACETATE, SILK, AND LINEN PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed February 19, 1938. Serial No. 403,197. PUBLISHED APRIL 12, 1938. Class 42.

357,995. LEATHER FOR OUTER AND INNER SOLES FOR SHOES. J. GREENEBAUM TANNING CO., Chicago, Ill., and Milwaukee, Wis.
Filed February 19, 1938. Serial No. 403,207. PUBLISHED APRIL 12, 1938. Class 1.

357,996. STEEL IN SHEETS AND STRIPS. CARNEGIE-ILLINOIS STEEL CORPORATION, Pittsburgh, Pa.
Filed February 21, 1938. Serial No. 403,240. PUBLISHED APRIL 5, 1938. Class 14.

357,997. POCKET LEATHER CASES, CARD CASES, PASS CASES, LEATHER TOILET CASES, PURSES, LEATHER KEY HOLDERS, BILLFOLDS, HAND BAGS, PORTFOLIOS, AND WALLETS. THE SPRINGFIELD LEATHER PRODUCTS COMPANY, Springfield, Ohio.
Filed February 23, 1938. Serial No. 403,336. PUBLISHED APRIL 12, 1938. Class 3.

357,998. RUM. MONLLOR & BOSCIO, SUCR., S. EN C., Ponce, Puerto Rico.
Filed February 24, 1938. Serial No. 403,370. PUBLISHED APRIL 12, 1938. Class 49.

357,999. BOARD GAMES PLAYED WITH MOVABLE PIECES. FREDERICK D. CLARKE, Summit, N. J.
Filed February 25, 1938. Serial No. 403,397. PUBLISHED APRIL 12, 1938. Class 22.

358,000. SOFT DRINKS. CHANDLER KING, Chattanooga, Tenn.
Filed March 1, 1938. Serial No. 403,548. PUBLISHED APRIL 12, 1938. Class 45.

358,001. WHISKEY. LONDON & CO., INC., Elizabeth, N. J.
Filed March 2, 1938. Serial No. 403,594. PUBLISHED APRIL 12, 1938. Class 49.

358,002. PACKINGS AND GASKETS, SUCH AS ROD, PLUNGER, PISTON, STUFFING BOX AND VALVE STEM PACKINGS, SHEET PACKINGS, SEAMLESS TUBE PLATE GASKETS, ETC. KRAMBEY & MATTISON COMPANY, Ambler, Pa.
Filed March 4, 1938. Serial No. 403,697. PUBLISHED APRIL 12, 1938. Class 35.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

**THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION**

358,003. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VICTOR M. CALDERON COMPANY, INC., New York, N. Y. Filed July 9, 1936. Serial No. 380,824.




For Canned Sardines.
Claims use since Mar. 10, 1936.

358,004. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) IRON FIREMAN MANUFACTURING COMPANY, Portland, Oreg. Filed Sept. 26, 1936. Serial No. 383,681.

FLOW

For Automatic Coal Burners.
Claims use since Aug. 29, 1936.

358,005. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SALVATORE DI BELLO, doing business as Bello Co., Philadelphia, Pa. Filed November 25, 1936. Serial No. 385,976.

BELLO

For Hair Restorer and Tonic.
Claims use since Feb. 1, 1936.

358,006. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROGERS BROS. SEED COMPANY, Chicago, Ill. Filed Jan. 29, 1937. Serial No. 388,332.

CREEP-FEED

For Sheep Feed.
Claims use since Feb. 1, 1936.

358,007. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAISON JOUBERT, INC., New York, N. Y. Filed Mar. 12, 1937. Serial No. 389,093.

Lilac Buds

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid and Cream Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream and Solid Form, Eyebrow and Eyelash Grower, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyebrows and Eyelashes, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch-Hazel, Peroxide, Petroleum Jellies, Witch-Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Feb. 9, 1937.

358,008. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) AMERICAN BRAKEBLOK CORPORATION, New York, N. Y., and Detroit, Mich., now by merger The American Brake Shoe and Foundry Company, a corporation of Delaware. Filed Mar. 20, 1937. Serial No. 390,302.

AMERICAN BRAKE MATERIALS

For Frictional Elements for Brakes and Clutches.
Claims use since Sept. 22, 1930.

358,009. (CLASS 32. FURNITURE AND UPHOLSTERY). BULLOCK'S, INC., Los Angeles, Calif. Filed May 10, 1937. Serial No. 392,518.

Virginia Colonial

For Living Room, Dining Room, and Bedroom Furniture—Namely, Sofas, Chairs, Loveseats, Secretaries, High Boys, Desks, Tables, Low Boys, Mirrors, Benches, Sideboards, Tables, China Cabinets, Corner Cabinets, Servers, Arm and Side Chairs, Beds, Dresser and Vanity Bases, Mirrors, Nite Stands, and Dressing Tables.
Claims use since Mar. 4, 1937.





358,010. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BULLOCK'S, INC., Los Angeles, Calif. Filed May 10, 1937. Serial No. 392,519.

Virginia Colonial

For Draperies and Rugs and Carpets.
Claims use since Mar. 4, 1937.

358,011. (CLASS 37. PAPER AND STATIONERY.) WILSON-JONES COMPANY, Chicago, Ill. Filed May 27, 1937. Serial No. 393,352.

SHUR-LOCK

For Loose Leaf Binders.
Claims use since July 12, 1936.

358,012. (CLASS 2. RECEPTACLES.) DIXIE-VORTEX COMPANY, Easton, Pa., and Chicago, Ill. Filed July 7, 1937. Serial No. 394,934.

CUP-PAK

For Paper, Cardboard, and Fibre Cartons or Containers and Dispensers for Paper Cups or Similar Articles.
Claims use since May 5, 1937.

358,013. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE GAMBLE, doing business as de Muir Laboratories, Boston, Mass. Filed Sept. 1, 1937. Serial No. 396,985.

de Muir

For Compacts Containing a Facial Pad or Cleansing Wafers Used as a Combined Cleanser, Mild Astringent, and Make-Up Base.
Claims use since August, 1935.

358,014. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BARBARA GOULD, INC., New York, N. Y. Filed Dec. 14, 1937. Serial No. 400,836.

Barbara Gould

For Toilet Preparations—Namely, Toilet Creams as Follows: Cleansing Cream, Liquefying Cleansing Cream, Cold Cream, Circulation Cream, Hand Cream, Tissue Cream, Finishing Cream, Plastic Cream, Sun Beauty Cream, Irradiated Skin Cream, Eye Cream; Sun Beauty Oil, Pine Bath Oil, Muscle Oil; Lotions as Follows: Liquid Astringent, Astringent Bleach, Complexion Dressing, Skin Lotion and Tonic Known as Skin Freshener, Cream Lotion, Sun Beauty Lotion, and Hand Lotion; Toilet Powders as Follows: Face Powder, Dusting Powder, Skin Sachet; Rouges in Dry Form and in Cream Form, Lip Sticks, Mascara, Eye Shadow, Eyebrow Pencil; Bath Crystals; Deodorant in Liquid Form and in Cream Form; Nail Polish, Nail Polish Remover, Cuticle Remover, Nail and Cuticle Oil; Filled Compacts Containing Face Powder, Rouge, Face Powder and Rouge, Face Powder, Rouge and Lip Stick; Ensemble Sets Containing Cleansing Cream, Finishing Cream, Skin Freshener, Tissue Cream and Face Powder in the Combination Mentioned and in Other Combinations; Perfumes, Shampoos, and Brilliantine.
Claims use since Apr. 23, 1936.

358,015. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HALLENSCHEID & MCDONALD, Los Angeles, Calif. Filed Jan. 3, 1938. Serial No. 401,485.

HALL-MACK

For Bathroom Wall Accessories—to wit, Glass Shelves, Soap Holders, Tumbler Holders, Tumbler and Toothbrush Holders, Toothbrush Holders, Paper Holders, Razor Strop Hooks, Single and Double Robe Hooks, Towel Pins, Door Stops, Towel Hooks, Grab Bars, Towel Bars, Roller Towel Bars, Swing Bars, Sponge Holders, Soap and Grab Bar Combinations, Concealed Lavatory Units, Towel Shelf and Bar Combination, Shelf Brackets, Metal Drainboard Trim.
Claims use since January, 1934.

358,016. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL H. POLLOCK, New York, N. Y. Filed Jan. 7, 1938. Serial No. 401,680.

CAJON

For Nose Drops for Affections of the Nose and Throat.
Claims use since April, 1930.

358,017. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HAMMOND PAINT & CHEMICAL CO., INC., Beacon, N. Y. Filed Jan. 11, 1938. Serial No. 401,780.

HAMMOND'S
TREE BAND PASTE

For Insecticide.
Claims use since Sept. 15, 1936.

358,018. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CASCADE SPRAYER COMPANY, INC., Seattle, Wash. Filed Feb. 5, 1938. Serial No. 402,718.

CASCADE

For Spraying Machines of a Character Used to Mix Water-Soluble Liquid Chemicals, and in Some Instances Oils, With a Pressure Stream of Water for Control of Bacteria and Other Like or Related Work.
Claims use since Aug. 1, 1935.

358,019. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAY BEIER, doing business as Beier's Laboratories, Milwaukee, Wis. Filed Apr. 6, 1938. Serial No. 404,932.

Doctor Herz's
ORIGINAL FORMULA
ASTHMA
TREATMENT

For Medicine—Namely, a Compound Used for the Relief of Asthma and Having Use as a Palliative and Symptomatic Treatment of Paroxysms Due to Asthmatic Conditions and as an Aid in Building Up Body Resistance and an Adjunct in Controlling the Paroxysms.
Claims use since Apr. 1, 1931.

358,020. (CLASS 11. INKS AND INKING MATERIALS.) MANIFOLD SUPPLIES COMPANY, New York, N. Y. Filed Apr. 6, 1938. Serial No. 404,945.

Ink Control

For Typewriter Ribbons.
Claims use since Nov. 10, 1936.

358,021. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ENDURO-TEX CO., INC., New York, N. Y. Filed Apr. 15, 1938. Serial No. 405,289.

SEALSAC

For Food Container Covers or Closures Made of Oiled Silk.
Claims use since December, 1935.

358,022. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. V. C. LABORATORIES, INC., Toledo, Ohio. Filed Apr. 20, 1938. Serial No. 405,512.

Kathryn Davis

For Manicure Preparations—Namely, Nail Polish and the Like.
Claims use since February, 1936.

## TRADE-MARK REGISTRATIONS RENEWED

121,533. MEDICINAL OINTMENT AND LOTION USED AS A REMEDY FOR SKIN IRRITATIONS, ALSO MEDICINAL DRESSING. Registered April 30, 1918. FREDERICK H. YOUNG. Renewed April 30, 1938, to Josephine A. Young, doing business as Frederick H. Young Company. Toledo, Ohio, assignee.

122,045. CHILLED AND FROZEN BEEF, OFFAL, PORK, AND MUTTON IN BOXES AND BAGS. Registered June 18, 1918. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 18, 1938.

122,472. CANNED CORN, PEAS, TOMATOES, PEARS, PEACHES, AND CHERRIES. Registered August 20, 1918. THE G. H. HAMMOND COMPANY. Renewed August 20, 1938 to Emery Food Company, Chicago, Ill., a corporation of Illinois, assignee.

122,622. CANNED BEEF. Registered August 27, 1918. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 27, 1938.

122,623. OLEOMARGARIN. Registered August 27, 1918. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 27, 1938.

122,828. OLEOMARGARIN. Registered September 17, 1918. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 17, 1938.

122,899. ROASTED COFFEE. Registered September 24, 1918. MEYER BROS. COFFEE AND SPICE CO. Renewed September 24, 1938, to David G. Evans Coffee Company, St. Louis, Mo., a corporation of Missouri, assignee.

122,951. THREADS AND YARNS OF WOOL, WORSTED, COTTON, SILK, ARTIFICIAL SILK, FLAX, OR A COMBINATION OF THESE MATERIALS. Registered October 1, 1918. BERNHARD ULMANN CO. INC., New York, N. Y., a corporation of New York. Renewed October 1, 1938.

123,240. SEEDS, PLANTS, BULBS, FLOWERS, AND TREES FOR AGRICULTURAL AND HORTICULTURAL PURPOSES. Registered October 22, 1918. HILLSDON, WATTS, LTD., Mascot, near Sydney, New South Wales, Australia, an organized company of New South Wales. Renewed October 22, 1938.

123,347. PAPER TWINE AND PAPER CORD. Registered October 29, 1918. GRAND RAPIDS FIBRE CORD COMPANY, Grand Rapids, Mich., a corporation of Michigan. Renewed October 29, 1938.

123,410. CERTAIN NAMED PAPER AND STATIONERY. Registered November 12, 1918. ADAMS, CUSHING & FOSTER, INC., Boston, Mass., a corporation of Massachusetts. Renewed November 12, 1938.

123,464. TOILET CREAM. Registered November 12, 1918. FLORENCE N. LEWIS. Renewed November 12, 1938, to Elizabeth Arden, Inc., New York, N. Y., a corporation of New York, assignee.

123,465. FERTILIZERS. Registered November 12, 1918. JOHN JAMES DRAKINS MAIN. Renewed November 12, 1938, to The Anglo-American Nitrogen Co. Ltd., Leicester, England, a corporation of Great Britain, assignee.

123,965. CANNED SHRIMP. Registered December 31, 1918. APALACHEE PACKING COMPANY, INC., Apalachicola, Fla., a corporation of Florida. Renewed December 31, 1938.

# LABELS
## REGISTERED JUNE 21, 1938

51,382.—*Title:* SUMPEN. For Kentucky Straight Bourbon Whiskey. M. M. ALBERTS, Houston, Tex. Published February 1, 1938.

51,383.—*Title:* JANE MONROE. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published May 18, 1938.

51,384.—*Title:* BEST ORANGE PEKOE & PEKOE CEYLON TEA—BUSTELO. For Tea. BUSTELO COFFEE ROASTING CO. INC., New York, N. Y. Published March 30, 1938.

51,385.—*Title:* PUTNEY—DEPENDABLE SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published October 21, 1937.

51,386.—*Title:* CONTINENTAL FLORIST WIRE. For Florist Wire. CONTINENTAL STEEL CORPORATION, Kokomo, Ind. Published February 23, 1938.

51,387.—*Title:* BEACH GIRL SUN TAN PETALS. For Individual Applicators Saturated with a Scientific Sun Screen Oil Which Filters Out the Rays that Burn. DEMONT COSMETIC COMPANY, Chicago, Ill. Published May 16, 1938.

51,388.—*Title:* BEACH GIRL SUN TAN PETALS. For Individual Applicators Saturated with a Scientific Sun Screen Oil Which Filters Out the Rays that Burn. DEMONT COSMETIC COMPANY, Chicago, Ill. Published May 16, 1938.

51,389.—*Title:* FOOT AID. For Salve Prepared for Treating the Feet for Corns, Callouses, Athlete Foot, Boils, Eczema, and Ringworms. FOOT AID COMPANY, Los Angeles, Calif. Published March 23, 1938.

51,390.—*Title:* RATHSKELLER BREW. For Beer. A. GETTELMAN BREWING CO., Milwaukee, Wis. Published April 12, 1938.

51,391.—*Title:* AHEAD IN STYLE. For Ladies' Hand Bags. GROSS, MALOW AND SWERDLOW, INC., Chicago, Ill. Published March 3, 1938.

51,392.—*Title:* BAT 'EM SQUARE. For Frozen Sweets. H. & M. Co., San Diego, Calif. Published April 18, 1938.

51,393.—*Title:* HETOGEN. For a Counter-Irritant for Muscular Aches and Pains Caused by Cold, Damp, or Fatigue. HETOGEN CO., INC., New York, N. Y. Published March 2, 1938.

51,394.—*Title:* CARLETON HOUSE SLIPPERS. For House Slippers. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 1, 1937.

51,395.—*Title:* HONOR BRAND. For Tomatoes. HONORCO, INC., Chicago, Ill. Published October 15, 1937.

51,396.—*Title:* KROGER'S LATONIA CLUB CARBONATED & LITHIATED WATER (CLUB SODA). For Carbonated and Lithiated Water. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published April 15, 1938.

51,397.—*Title:* LIPTON CHOICEST YOUNG HYSON TEA (GREEN AND BLACK). For Choicest Young Hyson Tea. THOMAS J. LIPTON, INC., Hoboken, N. J.; Chicago, Ill.; and San Francisco, Calif. Published March 1, 1938.

51,398.—*Title:* LIPTON MIXED CHOICE BLENDED BLACK AND GREEN TEA (OLIVE AND BLACK). For Mixed Choice Blended Black and Green Tea. THOMAS J. LIPTON, INC., Hoboken, N. J.; Chicago, Ill.; and San Francisco, Calif. Published March 1, 1938.

51,399.—*Title:* LIPTON CHOICEST BLEND OF CEYLON & INDIA ORANGE PEKOE & PEKOE TEA (YELLOW AND RED). For Choicest Blend Ceylon and India Orange Pekoe and Pekoe Tea. THOMAS J. LIPTON, INC., Hoboken, N. J.; Chicago, Ill.; and San Francisco, Calif. Published March 1, 1938.

51,400.—*Title:* LUCKY HEART HAIR DRESSING AND STRAIGHTENER. For a Hair Dressing and Straightener. LUCKY HEART LABORATORIES, INC., doing business as Lucky Heart Company, Memphis, Tenn. Published February 8, 1938.

51,401.—*Title:* OLD BOLTON. For Distilled Dry Gin. MAJESTIC DISTILLING COMPANY, INCORPORATED, Baltimore, Md. Published December 21, 1937.

51,402.—*Title:* OLD BOLTON. For a Blend of Straight Whiskies. MAJESTIC DISTILLING COMPANY, INCORPORATED, Baltimore, Md. Published December 20, 1937.

51,403.—*Title:* OLD BOLTON. For Straight Bourbon Whiskey. MAJESTIC DISTILLING COMPANY, INCORPORATED, Baltimore, Md. Published December 23, 1937.

51,404.—*Title:* OLD BOLTON. For Reserve Kentucky Straight Bourbon Whiskey. MAJESTIC DISTILLING COMPANY, INCORPORATED, Baltimore, Md. Published December 22, 1937.

51,405.—*Title:* GANG BUSTERS DISGUISE KIT BY MINER'S. For Disguise Kits. MINER'S, INC., New York, N. Y. Published April 10, 1938.

51,406.—*Title:* PORK SAUSAGE STEAK. For Pork Sausage Steak. EDWIN N. OFTEDAHL, Chicago, Ill. Published November 10, 1937.

51,407.—*Title:* SAUER KRAUT STEAK. For Sauer Kraut Steak. EDWIN N. OFTEDAHL, Chicago, Ill. Published November 10, 1937.

51,408.—*Title:* MILK CHOCOLATES. For Milk Chocolates. PAGE & SHAW INC., Cambridge, Mass. Published January 4, 1938.

51,409.—*Title:* REXARCO. For a Rust Proofing Transparent Primer Surfacer. REXARCO LABORATORIES COMPANY INC., New York, N. Y. Published April 14, 1938.

51,410.—*Title:* COFFEE. For Coffee. THOMAS M. ROYAL & COMPANY, Philadelphia, Pa. Published February 1, 1938.

51,411.—*Title:* TOASTED WHEAT TASTIES. For Toasted Wheat. SUNLAND MANUFACTURING CO., doing business as Minneapolis Cereal Company, Minneapolis, Minn. Published January 1, 1938.

51,412.—*Title:* TASTY-KRISP POP KORN. For Popcorn. TASTY KRISP PRODUCTS, INC., Detroit, Mich. Published May 12, 1938.

51,413.—*Title:* TEMPLE'S OZONIZED CHLORINE SOLUTION (TOC'S). For an Ozonized Chlorine Solution for Use in Laundry, Kitchen, Nursery, and Bath. DONALD R. TEMPLE, doing business as Toc's Products Company, Syracuse, N. Y. Published February 28, 1938.

51,414.—*Title:* TOM TUCKER. For a Beverage. TOM TUCKER BEVERAGE COMPANY, Pittsburgh, Pa. Published September 1, 1935.

51,415.—*Title:* DESIGN 174. For Coffee. UNION BAG & PAPER CORPORATION, New York, N. Y. Published May 17, 1938.

51,416.—*Title:* UNION STOP SQUEAK. For a Product for Rubber Shackles and Rubber Encased Bearings and Mountings. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Published May 6, 1938.

51,417.—*Title:* MARY LOU. For Bread. JOHN WAVRA, Chicago, Ill. Published March 25, 1938.

51,418.—*Title:* CHARLIE McCARTHY. For Loose Leaf Note Books. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Published April 30, 1938.

# PRINTS

## REGISTERED JUNE 21, 1938

16,891.—*Title:* COOKRITE NU LID WHOLE MEAL COOKER, COMPLETE INSTRUCTIONS FOR USE AND CARE. For Aluminum Whole Meal Household Cooking Utensils. COOKRITE UTENSILS DISTRIBUTING COMPANY, Philadelphia, Pa. Published May 14, 1938.

16,892.—*Title:* COOKRITE, A NEW, BETTER METHOD OF LOW-HEAT COOKING WITH NU-LID LOCKING SAFETY STRAINER COVERS. For Aluminum Household Cooking Utensils. COOKRITE UTENSILS DISTRIBUTING COMPANY, Philadelphia, Pa. Published May 14, 1938.

16,893.—*Title:* PULL E-Z THREAD. For Thread. E-Z THREAD CO., New York, N. Y. Published November 16, 1937.

16,894.—*Title:* ENJOY LIFE WITH PFLUEGER FISHING TACKLE—BAIT ACTION THAT LURES, REEL ACTION THAT WINS. For Fishing Tackle. THE ENTERPRISE MANUFACTURING CO., Akron, Ohio. Published May 4, 1938.

16,895.—*Title:* YOUR FAVORITE ICE CREAM CHEERIO ON A STICK 5¢. For Ice Cream on a Stick. JOS LOWE CORPORATION, New York, N. Y. Published March 15, 1938.

16,896.—*Title:* WE'RE ON TH' RADIO WITH THAT DELICIOUSLY COATED CHEERIO ICE CREAM ON THE STICK. For Coated Ice Cream Confections on a Stick. JOS LOWE CORPORATION, New York, N. Y. Published March 15, 1938.

16,897.—*Title:* CHEERIO DELICIOUS! YOUR FAVORITE ICE CREAM ON A STICK. For Coated Ice Cream Confections on a Stick. JOS LOWE CORPORATION, New York, N. Y. Published March 18, 1938.

16,898.—*Title:* I'LL TELL YA MORE ON THE RADIO! POPSICLE—FUDGICLE—CREAMSICLE. For Frozen Confections on a Stick. JOS LOWE CORPORATION, New York, N. Y. Published March 18, 1938.

16,899.—*Title:* MILES CANDID COPIES. For Shoes. MILES SHOES, INC., New York, N. Y. Published April 1, 1938.

16,900.—*Title:* QUALITY COUNTS. For Shoes. MILES SHOES, INC., New York, N. Y. Published May 13, 1938.

# REISSUES

## JUNE 21, 1938

### 20,765
### SHAVING APPARATUS

**Karl Martin Alm, Stockholm, Sweden, assignor to Loyd Scruggs, University City, Mo.**

**Original No. 2,012,703, dated August 27, 1935, Serial No. 721,860, April 23, 1934. Application for reissue July 22, 1937, Serial No. 154,939. In Sweden April 25, 1933**

**10 Claims. (Cl. 30—43)**



9. In a shaving apparatus, the combination of a frame, a stationary protective comb carried by said frame and provided with a plurality of cutting edges separated by slots that are too narrow to receive or substantially receive the skin during the shaving operation, but which are wide enough to receive the hair or whiskers on the skin, a movable blade arranged in superimposed relationship with said protective comb and adapted to bear directly against the skin, said movable blade having gaps of a width sufficient to permit the skin to protrude through the same and contact with said comb, and means carried by said frame for reciprocating said blade.

### 20,766
### LEAD SHEATHED CABLE AND METHOD OF PROTECTING THE LEAD AGAINST CORROSION

**Henri Bénit, Paris, France, assignor to Compagnie Generale D'Electricite, Paris, France**

**Original No. 1,944,778, dated January 23, 1934, Serial No. 535,810, May 7, 1931. In Germany May 7, 1930. Application for reissue November 26, 1934, Serial No. 754,996**

**7 Claims. (Cl. 173—266)**



1. In a method of preventing corrosion of the lead sheathing of electric cables wherein the lead sheathing is protected against mechanical deterioration by a layer of a suitable covering material not chemically neutral and not adapted to protect the lead against corrosion, incorporating sulphur to the said protective materials in such quantity that on contact of the lead with these materials a film of lead sulphide will be immediately formed thereon and there will remain in the said protective materials an excess of sulphurating material constantly active to renew any worn portion of the said lead sulphide film, and so prevent the destructive effects of electrolytic phenomena on the lead.

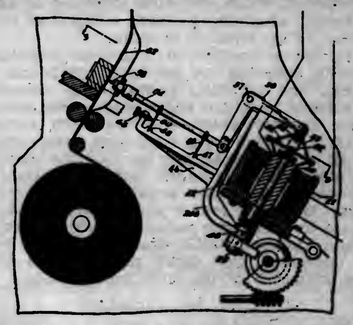
### 20,767
### IMAGE BROADCASTING SYSTEM

**William G. H. Finch, Speyten Duyvil, N. Y.**

**Original No. 2,061,457, dated November 17, 1936, Serial No. 759,011, December 24, 1934. Application for reissue April 30, 1938, Serial No. 205,280**

**17 Claims. (Cl. 178—11)**

1. In a picture transmitting system; a receiver comprising a pivoted scanner arm; a pointer mounted thereon; a heater coil surrounding said pointer and having circuit connections carried on said scanner arm; a rod on which said scanner arm is mounted; a cam follower secured to said rod; a cam with which said cam follower is held in engagement; a source of power for driving said cam; a record sheet on which a record is to be made; and a platen for said paper.

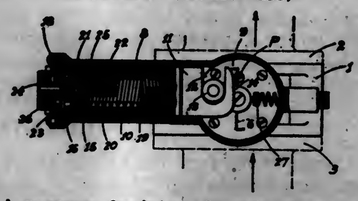


### 20,768
### GOVERNOR

**Edward Knauss, San Francisco, Calif., assignor, by mesne assignments, to Monarch Governor Company, Detroit, Mich., a corporation of Michigan**

**Original No. 2,026,742, dated January 7, 1936, Serial No. 564,271, September 22, 1931. Application for reissue September 10, 1936, Serial No. 100,172**

**14 Claims. (Cl. 137—153)**



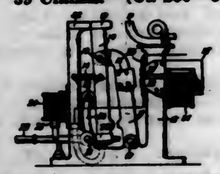
1. A governor for internal combustion engines comprising a vacuum responsive member, a valve connected with and operated by such member to control the flow of fuel to the engine, such valve comprising a casing having a passageway therethrough, a valve gate in the passageway, a pivot for the gate, the opposite walls of the passageway for that portion of their length toward which the leading edges of the gate move from open to closed position being formed with curved shrouds eccentric to the circular path of movement of the periphery of the gate which overhang the gate only after it has made a predetermined movement toward closing position, the shrouds being so proportioned that the diminution of the open area of the passageway as the gate moves to closed position will be in substantially inverse ratio to the increase in the vacuum pull exerted on the vacuum responsive member.

20,769
**MANUFACTURE OF HYDROGEN PEROXIDE**
Edward C. Seule, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Original No. 2,035,101, dated March 24, 1936, Serial No. 737,044, July 26, 1934. Application for reissue January 5, 1937, Serial No. 119,122.
8 Claims. (Cl. 23—207)

1. In the production of hydrogen peroxide, the improvement which comprises oxidizing an amino substituted aromatic hydrazo compound in the presence of an aqueous medium.

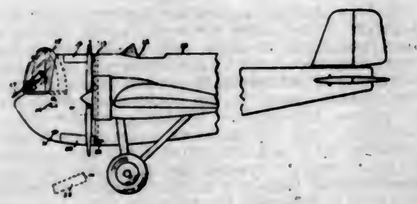
7. In the production of hydrogen peroxide by cyclically reducing an azo-type compound and oxidizing the resulting hydrazo-type compound in a solvent in which the azo-type compound is soluble but in which the hydrogen peroxide formed is insoluble, the oxidation being effected with an oxygen containing gas and the reduction being effected in an alkaline medium, the improvement which comprises separating the hydrazo solution from the major portion of the alkaline medium in which the reduction was effected and treating the separated hydrazo solution to eliminate entrained free alkali prior to the subsequent oxidation of the hydrazo solution.

20,770
**ELECTRIC SWITCH**
John F. Tritle, Erie, Pa., assignor to General Electric Company, a corporation of New York
Original No. 1,560,440, dated November 3, 1925, Serial No. 511,000, October 28, 1921. Application for reissue filed March 29, 1938, Serial No. 198,703.
39 Claims. (Cl. 200—89)



6. An electric switch comprising an electromagnet having a magnetic movable member biased to the unattracted position and arranged when in the attracted position to hold the switch in the closed position, and operating means for the switch for moving the said magnetic member to the attracted position and placing the switch under a strain to the closed position which becomes effective to close the switch when the operating means is released.

20,771
**GUNNER COMPARTMENT**
Drew M. Hahwig, Rapsburg, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Original No. 2,033,768, dated March 10, 1936, Serial No. 637,275, October 15, 1932. Application for reissue February 27, 1937, Serial No. 128,301.
18 Claims. (Cl. 89—37.5)



12. In an aircraft, a gunner compartment, the said compartment being fixed rigidly with the said aircraft and within the streamline surface thereof, and a turret carried by said compartment and faired into the same, said turret having an opening in one side thereof only whereby air is permitted to enter or leave the turret from one side only of a plane passing through one end of the opening and generally parallel to the direction in which the turret protrudes from the compartment, said compartment being otherwise substantially closed to the ingress and egress of air whereby a blast of air through the compartment is prevented.

# PLANT PATENTS

## GRANTED JUNE 21, 1938

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

238
**GLADIOLUS**
Carl Salbach, Contra Costa County, Calif., assignor to Ella S. Salbach, Contra Costa County, Calif.
Application September 16, 1937, Serial No. 164,247
1 Claim. (Cl. 47—60)

The new variety of gladiolus plant herein described and illustrated, characterized particularly by its vigor of growth and the resulting length of spike, its general symmetry and its flowers of huge size, heavy substance, and soft, clear coloring as described.

231
**SNAPDRAGON**
Louis A. Michler, Lexington, Ky., assignor to Michler Florist, Inc., a corporation of Kentucky
Application May 15, 1937, Serial No. 142,740
1 Claim. (Cl. 47—60)

The herein disclosed variety of snapdragon (Antirrhinum) having stalks from three to five feet in length, superdouble bloom, bloom spikes generally having a length of about fifteen inches with individual blossoms distinctly spaced, color similar to the Briarcliff rose, fragrance like trailing arbutus, strong ability of cuttings of the plant to take root, and peculiar staying quality of the cut flower.

# PATENTS

## GRANTED JUNE 21, 1938

2,120,960
**CUTTING DEVICE**
James F. Arthur, Dickson, Pa.
Application July 2, 1936, Serial No. 88,514
7 Claims. (Cl. 30—3)



1. In combination, a cutting device having a handle provided with a guiding surface extending obliquely to the longitudinal axis of said handle, and a blade reversibly mounted on said handle and having angularly disposed cutting edges one of which extends parallel to said axis in one position of the blade, while the other edge assumes a similar position relative to said guiding surface when the blade is reversed.

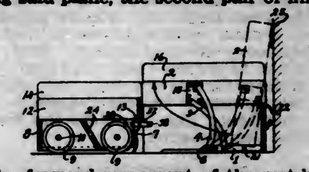
2,120,961
**TANK COVER CONSTRUCTION**
Herbert G. Beede, Pawtucket, R. I.
Application January 15, 1937, Serial No. 120,778
6 Claims. (Cl. 220—55)



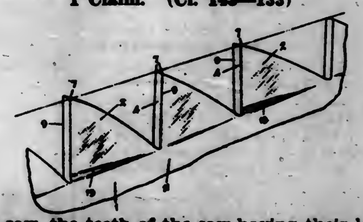
1. A cover construction for tanks for filtration and other purposes, comprising a split tank strap surrounding the upper end of the tank having means thereon to initially tighten said strap around said tank, a locking bracket having legs bridging said split having ends welded to opposite end portions of said strap after tightening thereof, a cover ring having an annular groove for compactly receiving the circular upper edge of the tank therein and an annular channel extending from the inner edge of the top wall thereof to an annular shoulder spaced from the outer edge of said top wall and a disc cover having the outer edge thereof welded within the annular groove on the upper surface of the cover ring, cooperating means on said tank strap and cover ring to secure said cover to said tank, and crane means pivotally mounted on said bracket for raising said cover from said tank and pivoting it from over said tank.

2,120,963
**TWIN BED COUCH**
Joseph D. Bell, San Francisco, Calif.
Application April 18, 1936, Serial No. 75,119
3 Claims. (Cl. 5—47)

5. In a device of the character described, a pair of spaced frame members having registering pivots, a pair of links having their lower ends supported on the pivots, a rest suspended in the upper ends of the links with freedom of swinging motion across the vertical plane of the pivots and a second pair of links pivoted to the frame members and the rest and positioned for holding the latter in substantially upright position while crossing said plane, the second pair of links limiting the forward movement of the rest but permitting the same to turn into horizontal position for forming a seat.

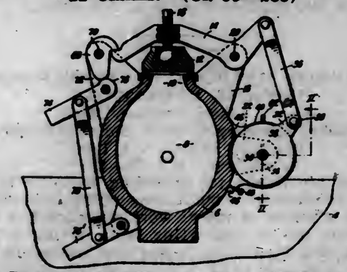


2,120,963
**POWER MEAT BAND SAW**
Carl G. Hire, Marblehead, Ohio
Application May 21, 1937, Serial No. 144,027
1 Claim. (Cl. 143—133)



A saw, the teeth of the saw having their leading edge surfaces located in planes disposed at right angles to the longitudinal axis of the saw and other edge surfaces inclined to the said axis and forming edges with the lateral surfaces of the teeth, the teeth bent to form ledges at their bases and to locate the lateral surfaces of the teeth in planes extending substantially at a 6° angle with the planes of the lateral surfaces of the body of the saw and to locate edges of the first-named surfaces of the alternate teeth on opposite sides of the planes of the lateral surfaces of the body of the saw.

2,120,964
**GRAIN PUFFING EQUIPMENT**
Walter J. Charnley, Omaha, Nebr.
Application February 10, 1937, Serial No. 125,103
11 Claims. (Cl. 99—238)

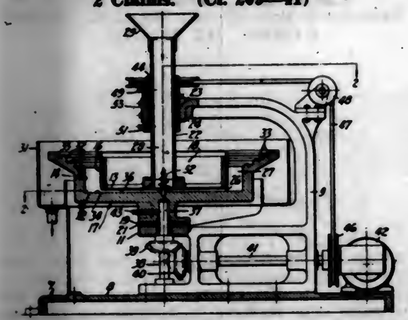


8. In a cereal puffing machine of the character described, a barrel provided with an opening

through the side thereof; a lid for the opening; ears integral with the barrel; articulated links pivotally carried by the ears; cross shafts extending through the ears and links for so carrying the links; means joining one of the links and the lid; and a pair of friction plates on one of the cross shafts, one on each side of another of the links and normally in frictional engagement therewith, to oppose the opening action of the lid, said last mentioned link being rotatable about the axis of the cross shaft, said friction plates being anchored against rotary movement about the cross shaft, one of said friction plates being pinned to the said cross shaft, said shaft having means thereon for moving both the shaft and friction plate pinned thereto independently of the last mentioned link to relieve the frictional engagement therebetween.

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**2,120,965**
**AMALGAMATOR**
**Hyrum D. Christensen, Wilford C. La Rue, Oakland, and Victor E. Zackerson, Alameda, Calif.**
**Application March 18, 1935, Serial No. 11,660**
**2 Claims. (Cl. 209—41)**

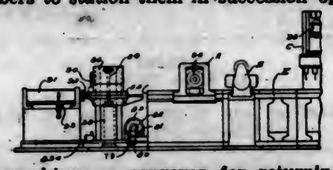


1. An amalgamator of the character described comprising, a pair of members providing opposed spaced surfaces defining a relatively wide shallow space therebetween arranged to be submerged in mercury, one of said members being mounted for rotation along an axis intersecting said space, slurry inlet means opening to said space adjacent said axis and providing for a flow of slurry radially through said space with respect to said axis, means of rotating said last mentioned member to increase said radial flow and to impart to said slurry an annular motion and means for rotating said other member in an opposite direction so as to partially balance the radial flow caused by rotation of the first member and to increase the annular motion of the slurry.

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**2,120,966**
**MATERIAL HANDLING APPARATUS FOR MACHINE OPERATIONS**
**Max J. Clark, Pontiac, Mich.**
**Application February 4, 1932, Serial No. 590,939**
**Renewed February 1, 1936**
**30 Claims. (Cl. 29—33)**

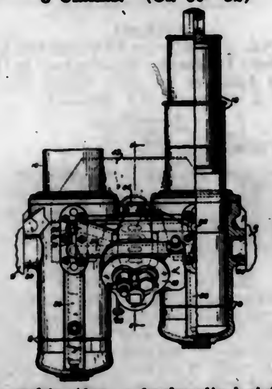
1. An apparatus for handling metallic work pieces for successive machining operations, comprising a series of metal working machines arranged in line, a supporting table having a top horizontal guideway extending continuously from the first machine to the last in said line, said table comprising independently removable sections each having separate floor supporting means, a series of work holding members having portions fitting said guideway for predetermined travel on said table, power operated means for shifting said members to station them in succession opposite



said machines, a conveyor for returning said members from the exit end of the guideway to the entrance end, and mechanism for clamping said work holding members in succession to said removable sections.

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**2,120,967**
**HYDRAULIC HOIST**
**Charles G. Eisenberg, Jr., Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin**
**Application March 15, 1937, Serial No. 130,958**
**8 Claims. (Cl. 60—52)**



1. In combination, a hydraulic hoist having a pivotally suspended cylinder and a piston movable therein, a pump mounted upon and swingable with said cylinder, said pump being operable to deliver liquid into said cylinder to move said piston, a liquid supply reservoir supported independently of said cylinder, means including a joint having parts relatively movable about the axis of suspension of said cylinder and forming a conduit for conducting liquid from said reservoir to said pump, and means forming a conduit for conducting liquid under pressure from said pump through said joint to other hydraulic devices supported independently of said cylinder.

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**2,120,968**
**PRODUCTION OF DIARYL AMINES**
**Marshall Francis Ashen, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**No Drawing. Application May 15, 1935, Serial No. 21,677. Renewed November 4, 1937**
**11 Claims. (Cl. 260—128)**

1. The process of producing diaryl amines from primary aromatic amines, which comprises heating at reaction temperature the primary aromatic amine in the presence of a metal halide and a

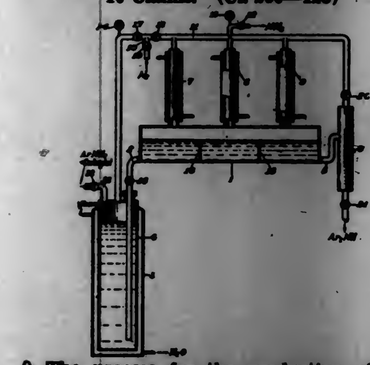


substance which liberates a hydrogen halide upon decomposition under the heating conditions of the reaction.

7. The process of producing diphenylamine from aniline, which comprises heating at reaction temperature aniline in the presence of ferrous chloride and an ammonium halide, in about equivalent proportions.

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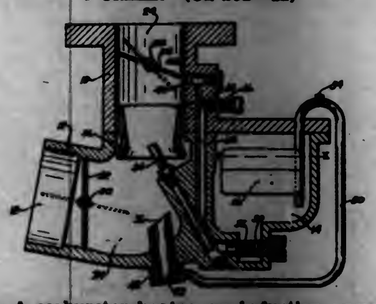
**2,120,969**
**PRODUCTION OF DIARYL AMINES**
**Marshall Francis Ashen, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**Application May 15, 1935, Serial No. 21,678**
**10 Claims. (Cl. 260—128)**



9. The process for the production of diaryl amines, which comprises maintaining a reaction zone at reaction temperature and at a pressure at which the reactants are liquid at said reaction temperature, continuously passing through said reaction zone a primary aryl amine containing ferrous halide and a hydrohalide salt of a substance selected from the group consisting of ammonia, amines and hydrazines, and continuously removing the reaction products from said reaction zone.

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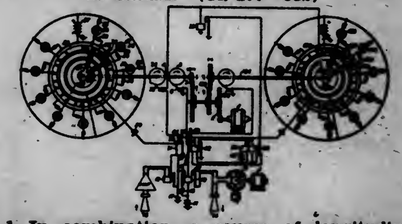
**2,120,970**
**CARBURETOR**
**James G. Allen, Detroit, Mich., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana**
**Application April 30, 1935, Serial No. 17,434**
**6 Claims. (Cl. 261—41)**



1. A carburetor having an induction passage, choke and throttle valves controlling the induction passage, a fuel reservoir, a fuel nozzle communicating with the fuel reservoir and adapted to discharge fuel into induction passage between the choke and throttle valves, idling fuel passages adapted to supply fuel to the induction passage posterior to the throttle when the throttle valve is closed, a priming venturi interconnecting the induction passage intermediate the choke and throttle valves with the atmosphere, means including a duct positioned at the most restricted section of the priming venturi to supply fuel thereto from the fuel reservoir when the choke valve is closed and the throttle valve is moved from the closed position, and a vent in the duct above the fuel level in the fuel reservoir to prevent fuel from flowing through the duct except in the presence of strong suction in the induction passage.

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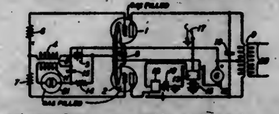
**2,120,971**
**SYSTEM AND METHOD OF DETERMINING DISTANCE**
**Arnold B. Bailey, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application December 21, 1935, Serial No. 55,569**
**15 Claims. (Cl. 177—352)**



1. In combination, a source of longitudinal waves, means for transmitting a wave from said source at predetermined intervals, a plurality of gaseous space discharge devices, means responsive to said wave upon receipt after reflection for selectively igniting one of said devices to indicate distance, means controlled by said responsive means for maintaining the selected indication between signals, and means for extinguishing the selected device prior to the next selection of one of said devices.

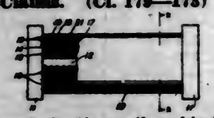
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**2,120,972**
**CONVERTING SYSTEM**
**Frank E. Blount, Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application September 11, 1935, Serial No. 40,087**
**8 Claims. (Cl. 175—363)**



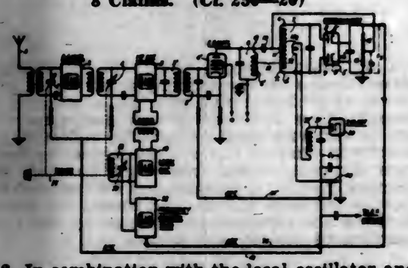
1. A system for converting direct current into alternating current comprising a plurality of gaseous space discharge devices connected in push-pull relation, means for impressing an operating potential successively to the anodes of said devices, and a circuit coupled to the input circuit of said devices comprising a capacitance, a source of direct current for charging said capacitance and a gaseous space discharge device for discharging said capacitance to break down successively said plurality of gaseous space discharge devices.

2,120,973
**ELECTRICAL COIL**
Reinhard Dietze, Westfield, and John W. Foley, Englewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 11, 1936, Serial No. 68,228
5 Claims. (Cl. 179—173)



2. A combined induction coil and inductor comprising a cylindrical core of magnetic material supported at its ends by blocks of insulating material, at least three windings wound in concentric layers over said core and between said blocks, and a cylindrical shield of magnetic material for magnetically segregating two portions of one of said windings, said core, windings and shield being arranged as follows: a first winding directly on said core, a second winding directly over said first winding, a first portion of a third winding directly over said second winding, said shield over said first portion, and a second portion of said third winding over said shield.

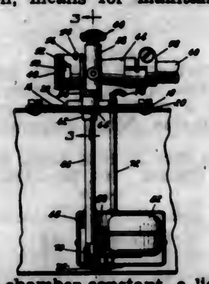
2,120,974
**AUTOMATIC FREQUENCY CONTROL CIRCUITS**
Dudley E. Foster, Orange N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 3, 1936, Serial No. 72,495
8 Claims. (Cl. 250—20)



8. In combination with the local oscillator and intermediate frequency amplifier networks of a superheterodyne receiver, an automatic frequency control circuit, responsive to frequency shifts in the amplifier signal output energy from an assigned intermediate frequency, for impressing on the oscillator a frequency correction voltage dependent upon said shifts, said control circuit being of the type including a pair of resonant circuits, tuned to the assigned frequency, in cascade subsequent to the amplifier, an audio demodulator network comprising a rectifier having an input circuit coupled to the second of the cascaded pair of circuits, said last input circuit being tuned to said assigned frequency whereby the selectivity at that circuit is increased, and means for utilizing the audio component of the rectifier output current.

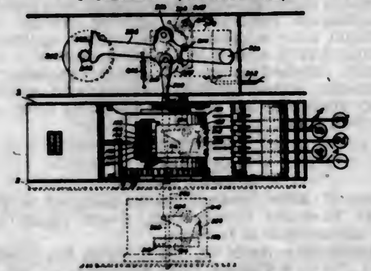
2,120,975
**CARBURETOR**
Victor E. Heftler, Detroit, Mich., assignor to Zenith Carburetor Company, Detroit, Mich., a corporation of Michigan
Application February 15, 1937, Serial No. 125,767
2 Claims. (Cl. 261—72)

2. A charge forming apparatus for an internal combustion engine comprising a fuel tank having an opening in its top, a cover plate for the opening, a fuel lift carburetor fixed to the cover plate and provided with a horizontal mixing passage, adjustable fuel and air inlets for the mixing passage, a fuel chamber positioned within the tank having an inlet located below the normal fuel level therein, means for maintaining the fuel



level in the chamber constant, a liquid fuel conduit extending from the bottom portion of the fuel chamber to said fuel inlet and provided with a check valve below the fuel level in the chamber, and a vent conduit extending from the float chamber to atmosphere through the cover plate, said conduits being fixed to the cover plate and float chamber.

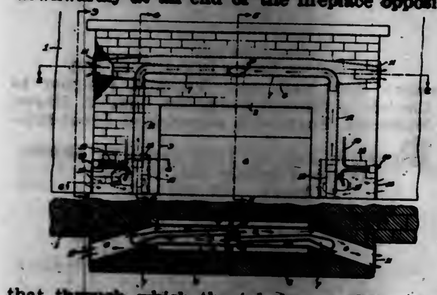
2,120,976
**TICKET ISSUING MACHINE**
Reuben H. Heisel, Long Island City, N. Y., assignor to General Register Corporation, New York, N. Y., a corporation of Pennsylvania
Original application April 10, 1933, Serial No. 665,286, now Patent No. 2,097,485, granted November 2, 1937. Divided and this application October 12, 1935, Serial No. 44,647
6 Claims. (Cl. 235—31)



6. Ticket issuing mechanism comprising a plurality of units; each of said units including ticket strip guiding means, a rotary cylinder, means carried by the cylinder for printing the time of issue on a ticket, and means for changing the time printing means, said last named means including a plunger extending through the cylinder and movable along its axis to change the time printing means; said units being arranged side by side with their rotary cylinders axially aligned and with the plunger of one unit arranged to engage and axially move the plunger of an adjacent unit to effect simultaneous changes of the time printing means of both units.

2,120,977
**FIREPLACE**
John W. Hois, West Palm Beach, Fla.
Application June 30, 1937, Serial No. 151,152
8 Claims. (Cl. 126—121)

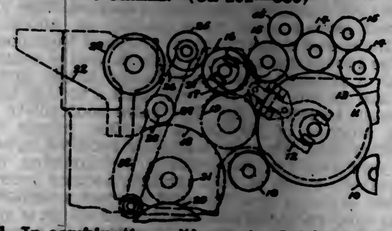
2. In a fireplace including a fire chamber opening through the front of the fireplace and having a flue for the products of combustion leading upwardly therefrom, a tubular member supported within the end walls of the fireplace and extending horizontally across the fireplace and across said flue, said tubular member opening through an end wall of the fireplace, an air conduit opening into said tubular member and extending downwardly at an end of the fireplace opposite



that through which the tubular member opens and operative to draw air through an inlet opening adjacent the lower end of said conduit and adjacent the room floor, and means within the end wall of the fireplace for drawing air into the air inlet opening and forcing it into said conduit and into said tubular member extending across the fireplace and across the flue leading from the fire chamber of the fireplace.



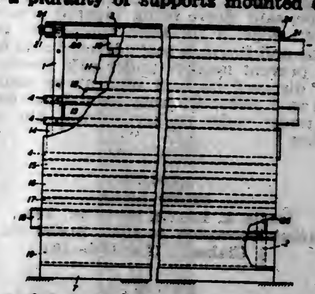
2,120,978
**INKING MECHANISM FOR PRINTING MACHINES**
William F. Huck, Richmond Hill, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application June 27, 1935, Serial No. 28,602
6 Claims. (Cl. 101—350)



1. In combination with a pair of driven rollers, one being driven at a speed faster than the other, a freely rotatable roller swingable into contact with the others, a pulley-like member, substantially inverted V shaped in cross section at its periphery, secured to each of the driven rollers, and a pair of separable members coinciding to form a substantially V shaped groove therebetween and secured to the freely rotatable roller, said members and said pulley-like member being engageable with the inverted V shaped portion of one in between and separating the members forming the V shaped groove of the other.

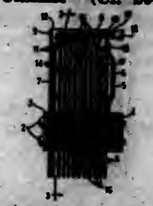
2,120,979
**ACOUSTIC ELEMENT FOR SOUND STUDIOS**
Franklin L. Hunt, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 14, 1935, Serial No. 26,573
5 Claims. (Cl. 181—30)

1. Acoustic element for a room comprising a frame, a plurality of supports mounted on said



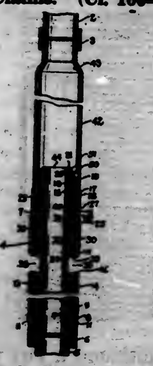
frame, and sound reflecting panels removably mounted on said supports.

2,120,980
**CONTACT SPRING**
Leith Johnston, Miami, Fla., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 26, 1936, Serial No. 65,805
8 Claims. (Cl. 200—1)



1. In a contact spring set, contact springs supported in spaced relationship near one of their ends, a common operating electrical conducting bar supported opposite the other ends of said contact springs, and a projection on said bar for each contact spring extending from said common bar into engageable relationship with its corresponding contact spring for simultaneously connecting all of said contact springs to said conducting bar.

2,120,981
**SCREW OFF PACKER**
Leslie A. Layne, Albert L. Reco, and Harold C. Block, Houston, Tex.; said Reco and Block assignors to said Layne
Application May 6, 1935, Serial No. 19,960
20 Claims. (Cl. 166—10)



1. A packer including a support pipe, a stop

collar thereon, a setting sleeve telescoped over said pipe, said sleeve being tapered downwardly to a thin edge, a threaded connection between said pipe and sleeve, a seal adjacent said connection to prevent leakage under said sleeve, and a packer disposed on said pipe above said collar and on said sleeve whereby said sleeve will telescope under said packer during the sealing operation.

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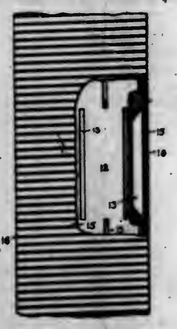
**2,120,982**
**LEAD SEAL**
**Leslie A. Layne, Houston, Tex.**
**Application December 9, 1935, Serial No. 53,478**
**6 Claims. (Cl. 166—10)**



1. A lead seal liner packing comprising a support member, a lead ring about said member, a lock expander adapted for movement into said ring, interengaging means on said support and expander to normally prevent the relative movement thereof but releasable to effect setting of said lead ring, and additional inter-engaging means on said support and expander to retain said expander in setting position.

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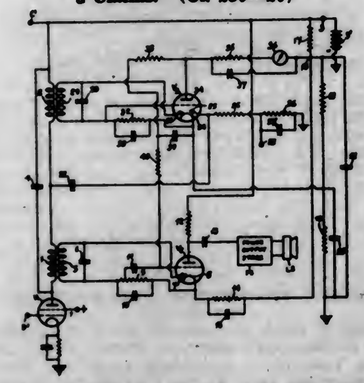
**2,120,983**
**STRAINER FOR WELLS**
**Leslie A. Layne, Houston, Tex.**
**Application September 25, 1936, Serial No. 102,501**
**4 Claims. (Cl. 166—8)**



1. A strainer including a wire wrapping having a helical strainer area between the wrappings, a support for the wire having drain openings of slotted configuration through which the flow from the strainer area will pass, the size of the exposed portion of each opening in the support between adjacent layers of wire being less than the strainer area which serves as a tributary therefor so that velocity of the fluid at the support will be greater than the velocity of the fluid entering between the wire wrappings.

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**2,120,984**
**WIRELESS AND LIKE RECEIVER**
**Frederic Tom Lett, Iver, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain**
**Application July 12, 1935, Serial No. 30,975**
**In Great Britain July 17, 1934**
**3 Claims. (Cl. 250—20)**



1. In a wireless receiver, a first thermionic valve for handling oscillations derived from received signals, said valve having an anode, a cathode, and a control grid, a second thermionic valve having an anode, a cathode and a control grid, a resistive impedance in the anode circuit of said second valve for developing a voltage high enough to render the first valve inoperative in the absence of signals, a rectifier, means for feeding oscillations derived from received signals to said rectifier, connections for applying the rectified output of said rectifier to said second valve so as to give the grid thereof a negative bias relative to the cathode thereof which is sufficiently high to reduce said voltage to a point such that the first valve becomes operative, and, between the anode side of said impedance of said second valve and the control grid of said first valve, a resistor-condenser network having a time constant of the order of one second.

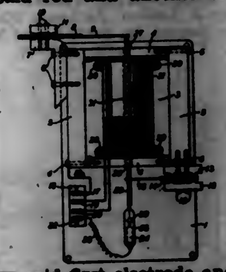
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**2,120,985**
**ELECTROMAGNETIC DEVICE**
**Alfred E. Melhose, St. Albans, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application September 19, 1936, Serial No. 101,556**
**7 Claims. (Cl. 200—90)**

1. In an electromagnetic apparatus, the combination with a coil, of a mechanical system adapted to vibrate at the frequency of an alternating current traversing said coil and comprising a magneto-striction rod held coaxially within said coil by two reed supports, and a contact receptacle attached to one end of said rod having



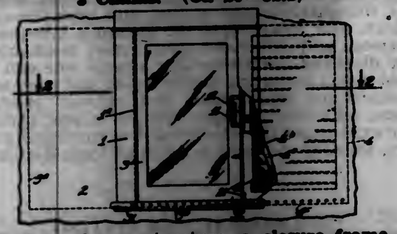
inclosed within it one electrode electrically integral with said rod and another electrode sus-



pended from said first electrode and adapted to break contact therewith on the vibration of said rod.

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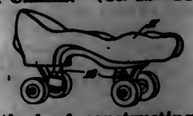
**2,120,986**
**CLOSURE STRUCTURE**
**Joseph E. Morris, Pasadena, Calif.**
**Application November 30, 1935, Serial No. 52,412**
**3 Claims. (Cl. 20—52.1)**



1. In a closure structure, a closure frame, a pair of closure members positioned edge to edge, said closure members being shiftable with respect to the frame, one being shifted over the opening as the other is withdrawn, and a drain trough at the bottom of the space beyond the opposite sides of the opening, the troughs discharging from the adjacent ends at the bottom of the opening, and splash plates extending upwardly from the forward sides of the troughs in said spaces.

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**2,120,987**
**PROCESS OF PRODUCING ORTHOPEDIC SHOES AND PRODUCT THEREOF**
**Alan E. Murray, New York, N. Y.**
**Application August 6, 1935, Serial No. 34,888**
**4 Claims. (Cl. 12—142)**

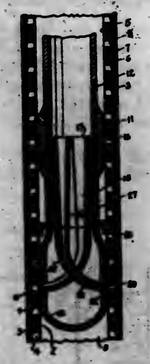


1. The method of constructing a skate and shoe combination which comprises conforming a rigid slipper exactly to the contours of a cast of the foot when in normal position and unsupported from below at the heel, securing a skate to the underside of said slipper, and constructing a shoe embodying said slipper as a part thereof.

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**2,120,988**
**SCREEN WASHER**
**Tracy S. Park, Houston, Tex., assignor to Leslie A. Layne, Houston, Tex.**
**Application February 18, 1936, Serial No. 64,447**
**6 Claims. (Cl. 166—20)**

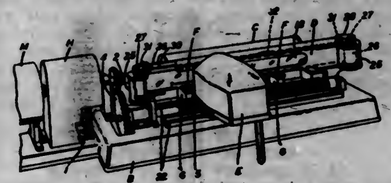
1. A well strainer washing tool comprising a body, a true nozzle member fixed within said body with the entrance end disposed upwardly, the discharge end of said nozzle member being curved



and fixed to the body to discharge transversely to the axis of the body.

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**2,120,989**
**MECHANICAL DRIVE**
**Harry Pfanstiehl, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application April 20, 1934, Serial No. 721,585**
**12 Claims. (Cl. 178—7.4)**



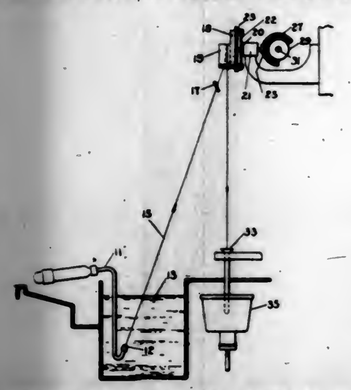
1. A picture receiving apparatus comprising a light-proof casing enclosing a light sensitive film carried by a rotatable member and provided with a longitudinally extending slot, a straight flexible member for continuously sealing said slot, supports for said member, means for connecting the respective ends of said member to said supports, means connected to said member intermediate its length for moving said member longitudinally of said slot, and means for maintaining under tension the sections of said member on opposite sides of said point of intermediate connection, said last-mentioned means comprising means, controlled by the means for effecting longitudinal movement of said member, for actuating said supports to apply tension to one of said sections.

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**2,120,990**
**ARTIFICIAL THREAD**
**René Picard, Paris, and André-Marié Oriol, St.-Just-des-Marais, France, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**Application January 28, 1936, Serial No. 61,220**
**7 Claims. (Cl. 18—8)**

1. In an apparatus for the production of artificial thread having an irregular denier, a spinneret, irregularly shaped means for drawing a thread from the spinneret at a varying speed, and

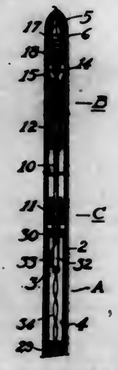
means for imparting intermittent motion to said first-named mears whereby to form unsystematic



variations in denier in said thread at unsystematically spaced points.

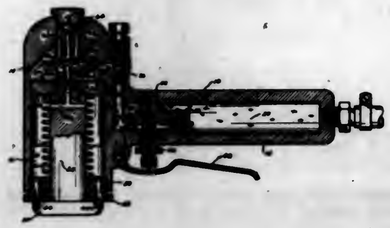
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**2,120,991**
**PRESSURE GAUGE**
**Ivan S. Sabalbev, Seminole, Okla., assignor to Standard Oil Development Company, a corporation of Delaware**
**Application June 29, 1935, Serial No. 29,997**
**18 Claims. (Cl. 73—300)**



14. A gauge device, comprising a casing having a closed chamber and a chamber opening to the atmosphere, a wall separating the chambers, a recording drum suspended in the closed chamber, a piston extending slidably from the open chamber through the wall in fluid-tight relation with respect to the wall into the closed chamber, spring means in the open chamber suspending the piston whereby variation in fluid pressure within the open chamber alters the position of the piston, a stylus carried by the piston in engagement with the recording drum adapted to make a mark extending along the longitudinal axis of the drum, a turning screw carried by the piston in the closed chamber, a ratchet member driven by the turning screw, and a pawl carried by the recording drum and engaging the ratchet member to cluteh the ratchet member only when the piston is moved out of the closed chamber whereby the drum is rotated and a lateral mark is made on the drum.

**2,120,992**
**PNEUMATIC TOOL**
**Elmer J. Selden, Jackson, Mich.**
**Application August 29, 1935, Serial No. 38,398**
**7 Claims. (Cl. 121—3)**



1. In a pneumatic hammer, an integral body and handle portion, a bore defined in said body portion, a piston reciprocatably mounted in said bore, a hammer head, means connecting said head and piston for reciprocating as a unit, a collar connected to one end of said bore through which said means extends, a spring interposed between said collar and piston, valve mechanism for directing compressed air against one end of said piston imparting movement to said head and compressing said spring, and exhaust mechanism, including passages defined in said piston, for exhausting the air directed against said piston, whereby the same is returned by said spring.

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**2,120,993**
**CABLE-CONNECTER FITTING**
**William M. Selig, Brighton, Mass., assignor to Charles D. White Company, Boston, Mass., a corporation of Massachusetts**
**Application July 16, 1936, Serial No. 90,838**
**1 Claim. (Cl. 247—43)**



A connecter fitting for joining a conductor to an outlet box, said fitting comprising a body into which the conductor and an insulating bushing are to extend and having at its inner end a protecting flange, and means to secure said body to the outlet box, the fitting having a plurality of apertures behind said flange to facilitate inspection to determine the presence of said bushing.

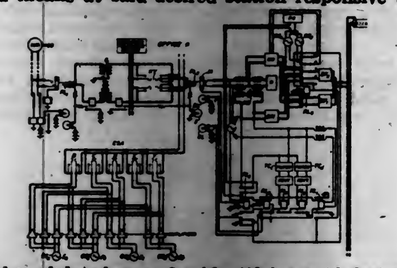
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**2,120,994**
**CARRIER COMMUNICATION SYSTEM**
**Warren H. Tidd, White Plains, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**
**Application January 23, 1936, Serial No. 60,386**
**5 Claims. (Cl. 179—43)**

1. In a high frequency communicating system having a plurality of stations, means at each station for transmitting the same communicating carrier wave, means at each station for receiving the carrier wave transmitted by each of the other stations, sources of voice frequency currents at each station, key-controlled means for modulating said carrier wave with a combination of voice



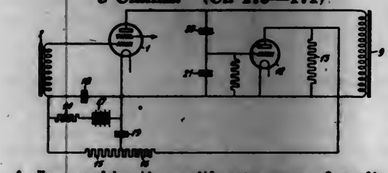
frequency currents to indicate a desired station, and means at said desired station responsive to



said modulated wave for identifying said desired station.

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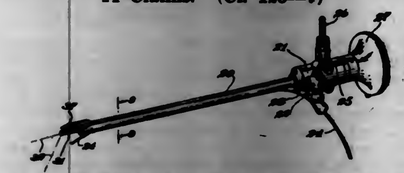
**2,120,995**
**AMPLIFYING ARRANGEMENT**
**Abraham van de Riet, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware**
**Application January 22, 1933, Serial No. 652,996**
**In the Netherlands April 26, 1932**
**5 Claims. (Cl. 179—171)**



4. In combination with a source of audio frequency signals, an audio frequency signal amplifier, a potential source for applying a constant negative bias to the amplifier grid sufficient in magnitude to adjust the amplifier operation to a predetermined point on the linear portion of the amplifier grid potential-plate current characteristic, a rectifier tube coupled to the amplifier output circuit to rectify audio signals, a resistor connected in the space current path of said rectifier for developing an amplifier grid biasing voltage which varies in magnitude with the amplitude of the audio signals impressed on the rectifier, means for impressing said varying bias voltage on the amplifier grid in a sense to decrease said negative bias, and the magnitude of said varying biasing voltage being maintained within such limits as to operate the amplifier over the linear portion solely of its said characteristic.

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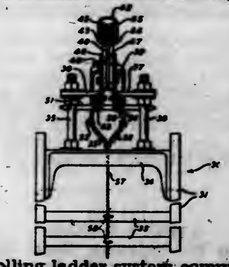
**2,120,996**
**CYSTOSCOPIC ARMAMENTARIUM**
**Frederick Charles Wappler, New York, N. Y.**
**Application October 9, 1936, Serial No. 104,763**
**11 Claims. (Cl. 128—7)**



1. A cystoscopic instrument comprising a separable assembly of a sheath, a telescope, and a lamp carrier; said lamp carrier comprising a thin stem at least as long as the rear wall of the sheath, and a lamp moupted on its forward end; said sheath having a lumen just sufficient to accommodate said telescope and said stem; and said lamp having a calibre no greater than that of said telescope.

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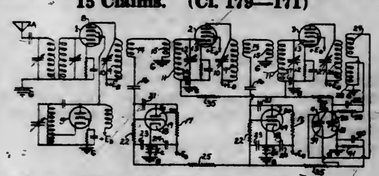
**2,120,997**
**BRAKING DEVICE**
**William F. J. Weitsenberg, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York**
**Application July 27, 1937, Serial No. 155,894**
**8 Claims. (Cl. 188—42)**



1. In a rolling ladder system comprising a ladder, a pair of parallel supporting members, carriage means running on the supporting members, and means to connect the ladder to the carriage means, brake means to prevent motion of the ladder along the supporting members and comprising two brake members mounted on the ladder and independent of each other and which coact respectively with the two supporting members, two means coacting respectively and independently with the two brake members to force the same yieldingly into contact with the supporting members, and means operable to withdraw the brake members from the supporting members.

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**2,120,998**
**COUPLED CIRCUITS**
**Alfred W. Barber, Flushing, N. Y.**
**Application February 3, 1936, Serial No. 62,074**
**15 Claims. (Cl. 179—171)**



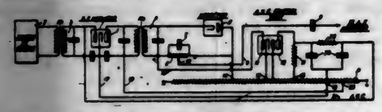
5. In a selective carrier wave amplifier, means for varying the selectivity of said amplifier comprising the combination of at least two resonant circuits and a coupling link between said circuits, said link comprising in series at least one coil magnetically coupled to each of said resonant circuits and the grid to cathode capacity of a thermionic vacuum tube, means for causing said grid to cathode capacity to vary as a function of the amplitude of the signals traversing said amplifier when said signals are greater than a predetermined amplitude.

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**2,120,999**
**AUTOMATIC VOLUME CONTROL CIRCUITS**
**George L. Beers, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware**
**Application December 19, 1933, Serial No. 703,034**
**17 Claims. (Cl. 250—20)**

5. In combination, a controlled amplifier, a

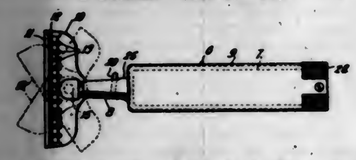
diode demodulator circuit including a resistor in its space current path, the resistor having a relatively fixed direct current potential point, a second point on the resistor in the demodulator circuit which is at a direct current potential adapted to increase positively with respect to the first point as the intensity of signals impressed



on the demodulator circuit increases, said demodulator circuit having a signal input network, and the resistor being in a series path with the network and diode electrodes, and means connecting said second point to the input circuit of the controlled amplifier in such a manner that the gain of the controlled amplifier decreases with said signal intensity increase.

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**2,121,000**
**SAFETY RAZOR**
**John W. Anderson, Gary, Ind.**
**Application January 27, 1932, Serial No. 589,143**
**4 Claims. (Cl. 30—87)**



3. A safety razor, a handle, a blade carrying holder carried by and readily movable with respect to said handle about a pivot extending transversely to the longitudinal center lines of said handle and holder to readily align itself longitudinally with the body of a user when brought into contact therewith to provide a uniform distribution of pressure throughout the entire cutting edge of the blade upon said body.

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**2,121,001**
**RUSTLESS IRON**
**William Bell Arness, Baltimore, Md., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware**
**No Drawing. Application July 26, 1935, Serial No. 33,413**
**5 Claims. (Cl. 75—126)**

1. In a composition of matter of the class described, a corrosion-resistant alloy iron of good ductility and weldability which is unsubstantially hardenable by heat-treatment, said alloy iron analyzing approximately, 9 per cent to 13 per cent chromium, .005 per cent to .035 per cent nitrogen, .02 per cent to .07 per cent carbon and the balance consisting of iron.

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**2,121,002**
**CEMENT RETAINER AND BRIDGE PLUG FOR WELL CASINGS**
**Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California**
**Application October 10, 1936, Serial No. 105,041**
**11 Claims. (Cl. 166—13)**

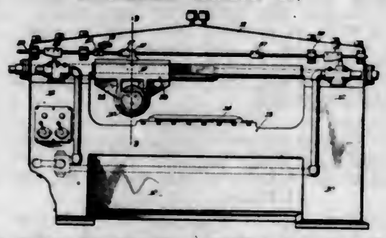
1. A device of the character described including a cylindrical rigid body member adapted to communicate with and to be connected to the lower end of a string of tubing and lowered into a well bore, a cone member slidably mounted on the exterior of said body and having a conical face, segmental slips arranged about the exterior of said conical member and having an interior conical face complementary to the conical face of said member, shear means connecting said slips to said cone member with the slips in a con-



tracted position, said cone member being responsive to fluid pressure built up in said body by the pressure of the drilling fluid within the string of tubing to move longitudinally of the body in a direction causing said complementary conical faces to move said slips radially outward with respect to the body, and means on the body preventing said slips from moving longitudinally relative thereto in the direction of movement of said cone member.

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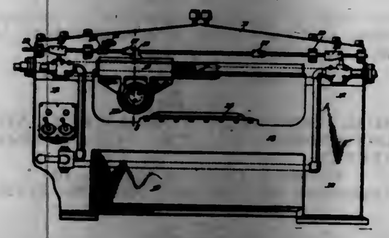
**2,121,003**
**CUTTING MACHINE**
**George T. Balfe, Detroit, Mich., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich., a corporation of Michigan**
**Application September 23, 1933, Serial No. 690,740**
**31 Claims. (Cl. 164—19)**



1. A punching machine of the class described comprising a base, a transversely inclined table on the base, a yielding member supported on the table and carrying a cutting instrumentality, said member adapted to support a sheet to be punched, a carriage on said base, said carriage carrying a roller having its periphery disposed in an inclined plane corresponding to the inclination of said table and said member disposed thereon, means for actuating said carriage and said roller to bring said roller in contact with said member and gradually and continuously depress the member to engage the cutting instrumentality with the sheet to be punched.



**2,121,004**
**METHOD OF CUTTING MATERIAL**
**George T. Balfe, Detroit, Mich., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich., a corporation of Michigan**
**Original application September 23, 1933, Serial No. 690,740. Divided and this application April 11, 1935, Serial No. 15,[illegible]8. Renewed September 18, 1937.**
**13 Claims. (Cl. 164—17)**



1. The method of forming gaskets from metallic blanks and forming therein a multiplicity of separated openings which comprises positioning a gasket blank upon a bed and beneath a number of resiliently supported cutting dies disposed one within the other, restraining the dies against movement toward and from one another while leaving the same free to enter the metallic material independently of one another, and successively exerting rolling cutting pressure on said dies.

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**2,121,005**
**PROCESS OF PRODUCING TEXTILES WITH CALENDER FINISH PERMANENT TO WASHING AND PRODUCT THEREOF**
**Christian Bener, Chur, Switzerland, assignor to the firm Raduner & Co. A.-G., Horn, Switzerland**
**No Drawing. Application October 4, 1934, Serial No. 746,932. In Switzerland October 14, 1933**
**3 Claims. (Cl. 91—67.9)**

1. Process of producing calender finishes on cellulose textile fabrics, comprising impregnating the fibers of the fabric with an aqueous carbamide resin-forming solution, capable of reaction to increase the resistivity of fibers impregnated therewith against flexion and containing an acid catalyst; drying the fibers slightly or to a moist condition; and then changing the form and relative disposition of the fibers to impart to the slightly moist fabric an ornamental texture by means of a calender heated to about 150° C.; and thereupon hardening the resin completely up to the final state in which the calender finish becomes permanently fast to washing by heating to 110° C. for about 5–10 minutes.

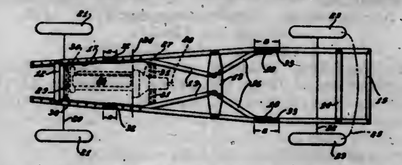
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**2,121,006**
**METHOD OF RENDERING TEXTILES RESISTIVE AGAINST SHRINKING AND PRODUCT THEREOF**
**Christian Bener, Chur, Switzerland, assignor to the firm Raduner & Co. A.-G., Horn, Switzerland**
**No Drawing. Application October 4, 1934, Serial No. 746,933. In Switzerland November 25, 1933**
**2 Claims. (Cl. 91—70)**

1. Process for the treatment of a cellulose textile fabric to produce predetermined finished dimensions for the fabric and to render it substantially unshrinkable from said dimensions by repeated washings and without substantially impairing the surface of the fabric in respect to the original gloss and feel, comprising impregnating the fabric with an aqueous solution containing the components of a resin capable of being hardened by heat treatment, thereupon drying the thus prepared wet fabric in a tenter to cause it to assume a marketable length and width and then subjecting the fabric while maintaining the said dimensions to a heat treatment to harden the resin thus fixing the said dimensions of the fabric against shrinkage from repeated washings.

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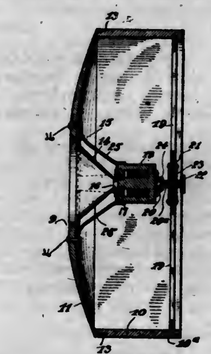
**2,121,007**
**MOTOR VEHICLE**
**Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan**
**Application June 29, 1934, Serial No. 733,075**
**4 Claims. (Cl. 280—106)**



1. In a motor vehicle having front and rear axle means, a frame comprising a pair of longitudinally extending spaced sills and brace means intermediate said sills, said sills between said pair of axle means having rearwardly diverging front end portions, parallel portions continuing rearwardly of said front diverging portions and rearwardly diverging portions extending rearwardly from the parallel portions.

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**2,121,008**
**ACOUSTIC TRANSLATING DEVICE**
**Paul H. Bilhuber, Douglaston, N. Y.**
**Application July 16, 1936, Serial No. 90,853**
**11 Claims. (Cl. 181—31)**



4. In an acoustic translating device, the combination of a rigid solid frame, a resilient crown-shaped longitudinally and transversely flexured baffle affixed around its periphery to said frame, said baffle having an opening, means connected to said baffle for changing its flexure, a conical diaphragm connected with the baffle at the opening therein, and means for actuating the diaphragm.

2,121,009
**STABILIZING VINYLIDENE CHLORIDE**
Edgar C. Britton and Walter J. Le Fevre, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 24, 1937, Serial No. 138,730
5 Claims. (Cl. 23—250)

2. Vinylidene chloride stabilized with a compound selected from the group consisting of N-phenyl-alpha-naphthylamine, N-phenyl-beta-naphthylamine, N-tetrahydro-phenyl-beta-naphthylamine, and N-thiophenyl-beta-naphthylamine.

2,121,010
**STABILIZING VINYLIDENE CHLORIDE**
Edgar C. Britton and Walter J. Le Fevre, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 24, 1937, Serial No. 138,731
5 Claims. (Cl. 23—250)

2. Vinylidene chloride stabilized with a compound selected from the group consisting of 1'-hydroxy-2-cyclo-hexyl-phenol, N-(para-hydroxy-phenyl)-morpholine, hydroquinone-mono-benzyl ether, di-(para-hydroxy-phenyl)-dimethyl methane, and methylene di-beta-naphthol.

2,121,011
**STABILIZING VINYLIDENE CHLORIDE**
Edgar C. Britton and Walter J. Le Fevre, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 24, 1937, Serial No. 138,732
5 Claims. (Cl. 23—250)

2. Vinylidene chloride stabilized with a compound selected from the group consisting of diphenyl ethylene diamine, ditolyl ethylene diamine, dixylyl ethylene diamine, diphenyl propylene diamine, and ditolyl propylene diamine.

2,121,012
**STABILIZING VINYLIDENE CHLORIDE**
Edgar C. Britton and Walter J. Le Fevre, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 26, 1937, Serial No. 138,934
5 Claims. (Cl. 23—250)

2. Vinylidene chloride stabilized with a compound selected from the group consisting of 4.4'-dihydroxy-diphenylamine, 4.4'-dimethoxy-diphenylamine, N-nitroso-diphenylamine, 4-phenyl-amino-diphenylamine, 4-benzene-sulphon-amino-diphenylamine, and acetone-diphenylamine reaction product.

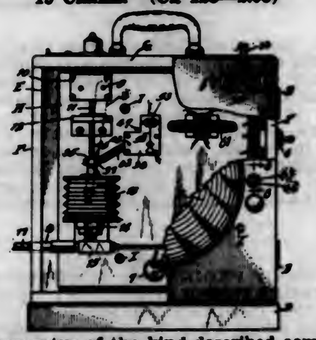
2,121,013
**ARTICLE AND MATERIAL CONTAINING ORGANIC DERIVATIVES OF CELLULOSE**
Joseph H. Brown, Brooklyn, N. Y., assignor to Celluloid Corporation, a corporation of New Jersey
Application November 7, 1935, Serial No. 48,663
4 Claims. (Cl. 41—24)

1. An article of manufacture comprising a rigid form having the exterior of the same covered with a sheet of an organic derivative of cellulose containing pleats, certain areas of the pleats lying in the plane of the article and the



other areas of the pleats standing at an angle thereto, said sheet being extensible without loss of its pleated form.

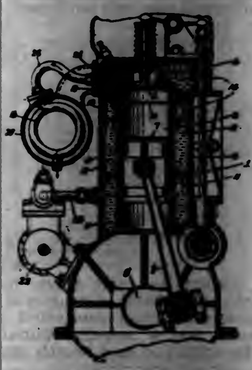
2,121,014
**VISUAL INDICATOR FOR ASCERTAINING CONDITIONS OF THE CIRCULATORY SYSTEM**
William J. Cameron, Chicago, Ill.
Application May 23, 1936, Serial No. 81,399
15 Claims. (Cl. 128—2.05)



1. Apparatus of the kind described comprising a pressure-sensitive device responsive to fluid pressure as distinguished from temperature, means for supplying varying pressures to said device, an indicator, an electric circuit in which said indicator is interposed, a make-and-break device interposed in said circuit, and devices operatively connecting said make-and-break device to said pressure-sensitive device, said devices embodying a vibratory element, a rotary reciprocal element, and means operatively connecting said elements, said means adapting said elements for simultaneous movement together, and also one with relation to the other.

2,121,015
**INTERNAL COMBUSTION ENGINE COOLING SYSTEM**
Donald J. Campbell, Muskegon Heights, Mich.
Application May 9, 1936, Serial No. 78,779
10 Claims. (Cl. 123—173)

5. An internal combustion engine comprising a cylinder, intake and exhaust valves, a fuel supply, an exhaust manifold, ignition means, a piston, a crank shaft and a connecting rod, a low temperature cooling chamber surrounding the crank end of the cylinder, an intermediate cooling chamber surrounding the central portion of the cylinder, a high temperature vaporising chamber surrounding the cylinder head, and a coil contained within the cylinder adjacent the upper end thereof and out of contact with the walls thereof, a cooling coil within the exhaust manifold, conduits connecting said chambers and coil in series in the order named and means for supplying fluid under pressure to the low temperature cooling chamber, the fluid supply means comprising a pump, a reservoir from which the pump



draws cooling fluid to be supplied to the cooling chamber, and means for operating the pump in consonance with the engine operation.



2,121,016
**AZO DYES DERIVED FROM BETA-NAPHTHOL**
Troy Lee Cantrell, Lansdowne, Pa., and James Otho Turner, Bartlesville, Okla., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 2, 1936, Serial No. 99,161. Renewed March 21, 1938
6 Claims. (Cl. 260—91)

6. As a new beta-naphthol azo dye having yellow to orange color, a beta-naphthol azo nitro phenyl alkyl thio ether, said dye being oil-soluble, soluble in alcohol but insoluble in water and capable of withstanding exposure to direct sunlight for at least ten hours without substantial bleaching when dissolved in petroleum products.

2,121,017
**BETA-NAPHTHOL MONOAZO ALKOXY-NITROPHENYL DYES**
Troy Lee Cantrell and James Otho Turner, Lansdowne, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 2, 1936, Serial No. 99,161. Divided and this application February 6, 1937, Serial No. 124,513
7 Claims. (Cl. 260—91)

4. As an improved azo dye, the alkyl oxy-ethers of 4-nitro-phenyl-2-azo beta-naphthol.

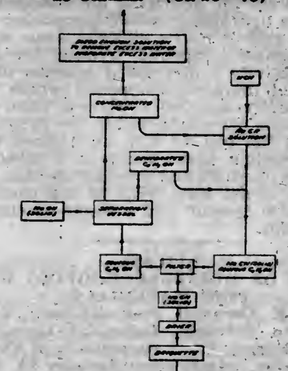
2,121,018
**CERAMIC**
Mitchell Carter and Gustav Heinz, Trenton, N. J.; said Carter assignor to Edward B. Carter, Morrisville, Pa.
No Drawing. Application July 18, 1936, Serial No. 91,427
8 Claims. (Cl. 106—9)

1. Process of making ceramic articles which comprises mixing ceramic materials with latex in quantity sufficient to serve as a temporary binder therefor prior to firing, forming articles from said mix, and firing said articles to burn out the latex.

2,121,019
**PURIFICATION OF ETHER**
Walter G. Christiansen, Glen Ridge, and William A. Lott, East Orange, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application April 2, 1937, Serial No. 134,682
14 Claims. (Cl. 260—151)

1. The method of removing aldehydes from ether that comprises contacting the ether with a solution of an aryl hydroxide in a solvent comprising in major proportion a nonvolatile water-miscible alcohol.

2,121,020
**MANUFACTURE OF HIGH GRADE SODIUM CYANIDE**
Ludwig J. Christmann, Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application March 10, 1936, Serial No. 68,005
12 Claims. (Cl. 23—79)



1. A cyclic method of preparing an alkali metal cyanide in solid form which comprises neutralizing HCN with a concentrated solution of an alkali metal hydroxide, thus forming an alkali metal cyanide in solution, adding to the reaction material a water miscible liquid containing only a small quantity of water, in which the alkali metal cyanide is substantially insoluble, in an amount sufficient to precipitate substantially all of the alkali metal cyanide, separating the aqueous liquid and the cyanide and recovering the latter, treating the aqueous liquid with sufficient solid alkali metal hydroxide to cause some dehydration of the water miscible liquid and separation of the total liquid into two phases, one a solution of alkali metal hydroxide, and the other predominantly the water miscible liquid and using the hydroxide solution to neutralize additional quantities of HCN, and the partially dehydrated water miscible liquid to precipitate out the thus formed alkali metal cyanide.

2,121,021
**METHOD OF PRINTING AND ARTICLE RESULTING THEREFROM**
Ralph T. K. Cornwell, Fredericksburg, Va., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application August 28, 1935, Serial No. 37,526
8 Claims. (Cl. 8—5)

1. A process for producing an indicium on a pellicle of a hydrophilic colloid, comprising im-

pregnating such a colloid with an organic water-miscible dyestuff solvent which is a swelling agent



for said colloid and printing the thus impregnated colloid in gel state with an ink containing a substantive dyestuff soluble in said solvent.

### 2,121,022
### MARKED ARTICLE AND PROCESS FOR PRODUCING THE SAME

Ralph T. K. Cornwell, Fredericksburg, Va., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

Application August 23, 1935, Serial No. 37,527
5 Claims. (Cl. 8—5)



4. A process for producing an indicium on a pellicle of a hydrophilic colloid comprising treating such a pellicle with a dilute aqueous solution of an inorganic compound, treating the colloid with a relatively concentrated aqueous solution of a second inorganic compound which reacts with the first compound to form a water-insoluble inorganic compound within the pellicle, impregnating the pellicle with an organic water-miscible swelling agent which is a solvent for substantive dyestuffs and printing the thus treated pellicle in gel state with an ink containing a substantive dyestuff and a water-miscible solvent therefor.

### 2,121,023
### METHOD OF MOISTUREPROOFING WRAPPING MATERIALS

Ralph T. K. Cornwell, Fredericksburg, Va., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

No Drawing. Application January 29, 1936, Serial No. 61,313
18 Claims. (Cl. 91—68)

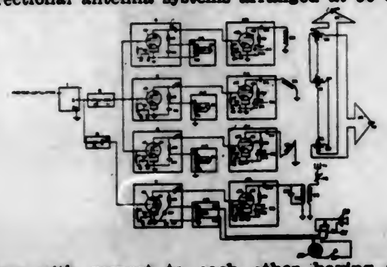
1. A moistureproofing composition comprising a lacquer base, a wax, a wax-blending agent and a plasticizing resin resulting from the condensation of an alkyd resin with a sulphonamidealdehyde resin.

### 2,121,024
### RADIO TRANSMITTING AND RECEIVING SYSTEM

Harry Diamond, Washington, D. C., assignor to the Government of the United States, represented by the Secretary of Commerce

Application April 25, 1933, Serial No. 667,848
17 Claims. (Cl. 250—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

9. In a radio beacon of the twelve course type the combination with a master oscillator supplying radio frequency voltages to four amplifiers, three of said voltages to said amplifiers being in time phase while the voltage supplied to the fourth amplifier differs in time phase from that supplied to the first three of said amplifiers, means for modulating the outputs of the said first three amplifiers each at a different low audio frequency in the lower end of the speech range, means for modulating the output of the said fourth amplifier at speech frequencies, means for amplifying the output of said four amplifiers, means for supplying the output of each of said first three amplifiers to one of three stator coils, said stator coils being arranged at an angle of 120 degrees and mounted about a common axis, two rotor coils arranged at 90 degrees to each other and arranged to rotate about the common axis of said stator coils, two directional antenna systems arranged at 90 de-

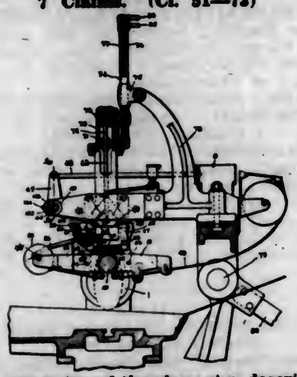


grees with respect to each other having the figure-of-eight directional characteristic one of each said antennas being connected to one of said rotor coils, and a non-directional antenna coupled to the output of said fourth amplifier.

### 2,121,025
### LAPPING MACHINE

Walter F. Egger, Lakewood, Ohio, assignor to The A. P. Schrauer Company, Cleveland, Ohio, a corporation of Ohio

Application May 1, 1936, Serial No. 77,375
7 Claims. (Cl. 51—73)



1. In apparatus of the character described, the combination of a plurality of lapping units, a movably supported head carrying said lapping units, locking means for securing said lapping units relatively to said head, a movable work engaging member, a plurality of fluid actuated operating devices respectively connected to said work engaging member, said head, said lapping units and said locking means, and a single control valve for simultaneously connecting all of said operating devices to a single source of fluid under pressure, the work factor of said operating devices being so proportioned as to be effective in proper sequence.

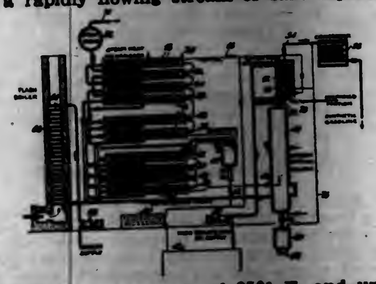
### 2,121,026
### PROCESS FOR REFINING AND CONVERTING OILS

Chauncey B. Forward, Urbana, Ohio, assignor, by mesne assignments, to Forward Process Company, Dover, Del., a corporation of Delaware

Application May 5, 1932, Serial No. 609,405
5 Claims. (Cl. 196—61)

1. The process of refining and converting oil herein described, consisting in preheating a continuously flowing stream of oil gradually and under high pressure, in heating this preheated oil to a higher temperature while under high pressure and separating the vapors and residue while under high but decreased pressure and prior to substantial cracking, in further gradually heating a rapidly flowing stream of said vapors at



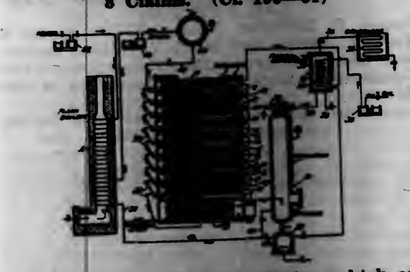


a temperature in excess of 950° F. and under high pressure to crack them in the vapor phase by maintaining a forced circulation of a fluid heating medium in indirect heat exchanging relation therewith, and in subsequently precipitating substantially dry carbon from the vapors by decreasing the speed of the vapors while maintaining them at cracking pressures and temperatures.

### 2,121,027
### PROCESS FOR CRACKING HYDROCARBONS

Chauncey B. Forward, Urbana, Ohio, assignor, by mesne assignments, to Forward Process Company, Dover, Del., a corporation of Delaware

Original application November 23, 1927, Serial No. 235,206. Divided and this application April 3, 1933, Serial No. 664,662
8 Claims. (Cl. 196—61)



1. The process of manufacturing a high anti-knock motor fuel product containing in excess of 50% aromatic hydrocarbons boiling within the gasoline range, which comprises passing a hydrocarbon oil distillate which is substantially free of hydrocarbons boiling in the range of said product in a confined stream of restricted cross section through a long heating coil, maintaining a pressure on the outlet of said coil of approximately 225 pounds per square inch or higher, heating the oil in the initial part of said coil to vaporize the same and raise the temperature thereof to approximately 900° F. to 1000° F., continuing the heating of the vaporized oil products in the latter portion of said coil under digesting conditions for a considerable period of time at a controlled temperature during which heat is supplied to the vapors at substantially the rate at which heat is absorbed in the reactions taking place, discharging the highly heated products from said coil at a temperature between about 975° F. and 1050° F. and passing them into an enlarged heat insulated reaction zone to which no heat is supplied from an external source and the vapors are maintained above their cracking temperature by their self-contained heat, maintaining the oil constituents in the digestion portion of said coil and said enlarged zone for a period of time sufficient to secure a conversion per pass of at least 40% of constituents boiling below approximately 437° F. and which contains in excess of 50% of aromatic hydrocarbons, and thereafter recovering the constituents suitable as motor fuel from products resulting from the cracking operation.

### 2,121,028
### CELLULOSIC WRAPPING MATERIAL

Henry A. Gardner, Chevy Chase, Md., and Arnold Kirkpatrick, St. Louis, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application June 11, 1935, Serial No. 26,034
5 Claims. (Cl. 91—68)

1. As a new article of manufacture, a sheet of cellulosic wrapping material coated with a moisture resisting film comprising a cellulose ester and a resin compatible therewith; said resin comprising a previously prepared mass of a compatible phthalate ester, an alkyd resin resulting from the condensation of phthalic anhydride and a glycol, and a substance resulting from the condensation of an aromatic sulfonamid and an aldehyde.

### 2,121,029
### GERMICIDES AND PROCESSES FOR MAKING THE SAME

Paul Goedrich, Fanwood, N. J., assignor to William R. Warner & Co., Inc., New York, N. Y., a corporation of Delaware

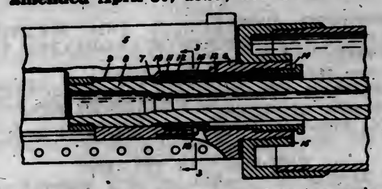
No Drawing. Application December 15, 1934, Serial No. 757,611
11 Claims. (Cl. 167—70)

1. Germicidal products comprising natural paired bile acids having iodine chemically combined therewith.

### 2,121,030
### GLAND ADJUSTING MECHANISM

Samuel G. Green, Gray, Ga.

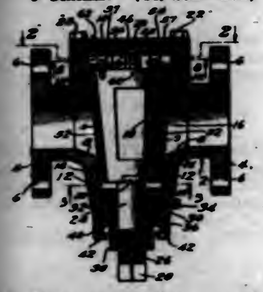
Application December 18, 1936, Serial No. 116,551
1 Claim. (Cl. 89—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a gun, a receiver having a bearing, a jacket for a cooling liquid on the front of the receiver, a gun barrel slidably supported in the bearing of the receiver and extending forwardly through the jacket, a packing between the barrel and receiver and positioned forwardly of the bearing to establish a liquid seal, a gland threaded in the receiver to establish a liquid seal and extending rearwardly to confine the packing, teeth on the outer side

of the gland adjacent its rear end, and said receiver formed with an aperture giving access to the teeth of the gland from the exterior of the receiver.

2,121,031
VALVE CONSTRUCTION
Delphice H. Greenwood, Los Angeles, Calif.
Application September 10, 1934, Serial No. 743,429
9 Claims. (Cl. 251—103)



1. In a valve construction, a casing, a valve plug operable in said casing, a set of valve inserts detachably mounted upon the lateral surface of said plug, means for detachably securing said inserts to the top of said plug, and means associated with said casing and said plug, whereby said plug may be given a 90° turn to shut off the fluid pressure in said casing and certain of said inserts removed from said plug without shutting off the fluid pressure in said casing.

2,121,032
DETERGENT AND WETTING AGENT AND PROCESS OF PRODUCING THE SAME
Torsten Hasselstrom, New York, N. Y., assignor to G. & A. Laboratories, Savannah, Ga., a corporation of Georgia
No Drawing. Application March 24, 1936, Serial No. 70,671
8 Claims. (Cl. 260—106)

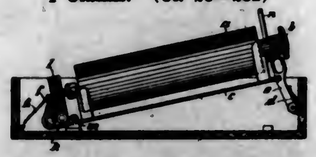
4. As a detergent and wetting agent, compounds of the formula $R(X)_n$, where R is the radical of the compound produced by a process which comprises treating pseudopimaric acid with a sulfonating agent and extracting the product with hot water to produce a soluble sulfonic acid, X is a member of the group consisting of hydrogen, alkali metals, alkaline earth metals, and alkylolamines, and $n$ corresponds to the number of acid groups in the molecule.

2,121,033
IMPROVED DETERGENT AND WETTING AGENT AND PROCESS OF PRODUCING THE SAME
Torsten Hasselstrom, New York, N. Y., assignor to G. & A. Laboratories, Savannah, Ga., a corporation of Georgia
No Drawing. Application March 24, 1936, Serial No. 70,672
9 Claims. (Cl. 260—106)

1. Method of preparation of a sulfonic acid comprising treating by a sulfonating agent a resin prepared by heat-treating rosin in the presence of a hydrogenation catalyst and in the absence of added substances capable of reducing the degree of unsaturation of the rosin.

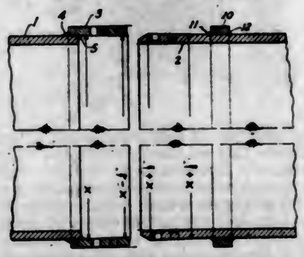
7. As a detergent and wetting agent, salts comprising the reaction product of the sulfonic acid produced in accordance with claim 1 and an ethanolamine.

2,121,034
APPARATUS FOR GENERATING OXYGEN, ESPECIALLY FOR BREATHING PURPOSES
Max Hausmann, Berlin-Zehlendorf-Mitte, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application October 8, 1936, Serial No. 104,585
In Germany November 27, 1935
4 Claims. (Cl. 23—281)



2. Apparatus for generating oxygen, comprising a housing or box provided with a lid, a baseplate pivotally secured near one of its ends to said housing or box so as to be adapted to be lowered into a position substantially flush and in parallel with the bottom of said housing or box, and, upon opening of said lid to be raised into an inclined position, a cartridge detachably secured to said base-plate containing an oxygen-generating substance and provided with an ignition device, said cartridge being disposed on said base-plate in such a manner that, on the base-plate being lowered, said ignition device is adjacent to and protected from being actuated by, one of the walls of said housing or container, while being freely accessible on the base-plate when in an inclined position, and means, operating on said ignition device being actuated, for preventing the closing of said lid upon said housing or box as long as said cartridge is in position on said base-plate.

2,121,035
METHOD AND MEANS OF JOINING TUBULAR MEMBERS
Solomon C. Hollister, Ithaca, N. Y., James E. Trainer, Akron, and Basil T. Kehoe, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application August 29, 1934, Serial No. 741,906
5 Claims. (Cl. 113—112)



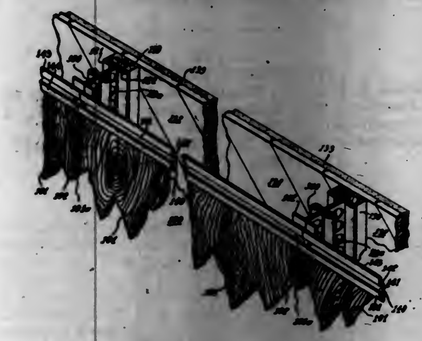
1. In combination, tubular members in substantially abutting relation, a buttstrap overlying the seam and lapping each tubular member, means uniting each of the tubular members with said buttstrap, at least one of said means comprising pins headed upon each end and forced through holes in the respective member and buttstrap, and including a ring of metal swaged from the buttstrap to beneath the head of each pin on the buttstrap end for locking and tensioning the pins.



2,121,036
METHOD OF PLUGGING POROUS STRATA IN WELLS
Carroll Irons, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 31, 1936, Serial No. 108,502
7 Claims. (Cl. 166—21)

1. In a method of treating an earth formation containing an alkaline earth metal salt brine which formation is penetrated by a well bore, the step which consists in introducing into the well bore and thence into the formation rubber latex whereby the latex is coagulated on contacting the brine, forming a rubber coagulum in the brine-bearing passages of the formation.

2,121,037
BUILDING CONSTRUCTION
Guy Felix Ketrbaty, Chestnut Hill, Pa.
Application July 31, 1937, Serial No. 156,758
12 Claims. (Cl. 189—34)



1. A composite structural building member forming a generally I-beam construction, comprising a pair of half elements each being of channel shape and each including a base or web portion having a longitudinal keyway therein, the said channels being juxtaposed to form a composite I-beam and stud member, keying means in the keyways locking the channels together; flat rail sections or flanges at the sides of the channels, flat keying members disposed on and over the aligned rail sections at one side of the composite member, the other flanges of abutted members being adapted to receive panel sections of building members.

2,121,038
INSECTICIDAL COMPOSITIONS
Lindley E. Mills, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 29, 1935, Serial No. 52,069
8 Claims. (Cl. 167—43)

1. A composition of matter adapted to be incorporated in an aqueous emulsion suitable for application as insecticide to living plants, comprising a petroleum distillate having an unsulphonatable residue of at least 50 per cent by weight, and up to about 10 per cent by weight of a 2,4-dinitro-phenol compound substituted in the benzene ring by a hydrocarbon radical containing at least two carbon atoms selected from the class consisting of the alkyl, aralkyl, and cycloalkyl radicals.

2,121,039
INSECTICIDAL COMPOSITIONS COMPRISING DINITRO-CRESOLS
Lindley E. Mills, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 1, 1936, Serial No. 72,143
6 Claims. (Cl. 167—43)

1. An aqueous insecticidal emulsion suitable for application to living plants without causing injury thereto, comprising up to about 5 per cent of an oil having an unsulphonatable residue of at least 50 per cent by weight, and up to about 0.5 per cent of a dinitro-cresol.

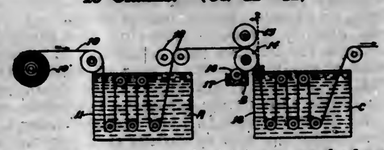
2. An aqueous insecticidal emulsion suitable for application to living plants without causing injury thereto, comprising:

| | Percent by weight |
|---|---|
| A petroleum distillate containing at least 50 percent by weight of unsulphonatable residue | 0.10 - 5.0 |
| A dinitro-cresol | 0.001- 0.2 |
| An emulsifying agent compatible with the other constituents of the composition and non-reactive with the phenol compound | 0.995- 0.8 |
| Water | 99.894- 94.0 |
| | 100.000 100.0 |

2,121,040
PRODUCTION OF TEXTILE MATERIALS
Robert Wighton Moncrieff and Charles William North, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application April 9, 1935, Serial No. 15,424. In Great Britain May 2, 1934
16 Claims. (Cl. 8—20)

1. Process for the production of improved artificial materials, which comprises treating a yarn, filament, ribbon or like material, having a basis of organic ester of cellulose and which is non-uniformly saponified so that differences of acidyl content occur along its length, with a medium adapted to soften portions of the material of different acidyl content to different extents, and stretching the material in contact with said medium, whereby the portions of the materials softened to different extents are stretched to different extents.

2,121,041
MARKED MATERIAL AND PROCESS OF PRODUCING THE SAME
Willard L. Morgan, Hammond, Ind., assignor to Sylvania Industrial Corporation, New York, N. Y., a corporation of Virginia
Application December 23, 1933, Serial No. 703,859
Renewed January 12, 1938
15 Claims. (Cl. 41—41)



4. A process for manufacturing a marked mate-

rial which comprises treating a non-filamentary body formed of a colloidal material swelling in water with an inorganic substance dissolved in a swelling agent for said material, and applying to predetermined areas of said treated body a second inorganic substance dissolved in a solvent comprising a swelling agent for said material and a thickening agent, said second substance being capable of reacting with the first applied substance within the body to form an opaque inorganic compound insoluble in water and contrasting in color with said material.

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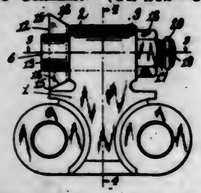
**2,121,042**
**PROCESS OF MAKING CONTAINER CLOSURES**
**Willard L. Morgan, Calumet City, Ill., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia**
**Original application October 10, 1934, Serial No. 747,804. Divided and this application August 12, 1937, Serial No. 158,689**
**8 Claims. (Cl. 41—41)**



7. In a process for preparing closures for bottles and the like having an indicia-bearing label applied over or adjacent the mouth thereof, the steps comprising disposing on a mandrel a cap formed of a transparent colloidal material swelling in water, applying to said cap so disposed a solution of a first inorganic salt and applying to predetermined portions of opposed sides of said treated cap a solution of a second inorganic salt which reacts with said first salt to form within said material a deposit of an opaque, insoluble, inorganic compound in predetermined areas, leaving a transparent area through which the indicia on said label are legible when the treated cap is applied to such a label-bearing bottle or the like.

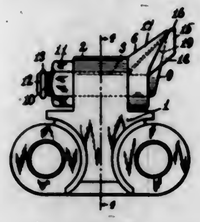
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**2,121,043**
**CUTTER CHAIN**
**Warren Noble, Michigan City, Ind., assignor to Sullivan Machine Company, a corporation of Massachusetts**
**Application November 27, 1934, Serial No. 755,012**
**18 Claims. (Cl. 262—33)**



1. In a cutter chain, a chain block, a reversible cutter bit having its body formed with a pair of distinct spaced cutting points at each end thereof, all of said cutting points projecting from the bit body in the same direction, and bit holding means for holding said cutter bit in position on said chain block with a pair of said cutting points projecting in cutting position from said chain block, said cutter bit being reversible end for end with respect to said holding means to dispose said other pair of cutting points in cutting position with respect to said chain block.

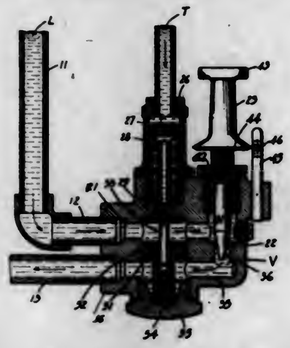
**2,121,044**
**CUTTER CHAIN**
**Warren Noble, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts**
**Application November 27, 1934, Serial No. 755,013**
**22 Claims. (Cl. 262—33)**



1. A cutter bit having a straight body of V-shaped cross section and having at its opposite ends inwardly bent cutting portions.

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**2,121,045**
**VISCOSITY CONTROL**
**Horace J. Paynter, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey**
**Application March 28, 1935, Serial No. 13,532**
**10 Claims. (Cl. 137—165)**



1. In a viscosity control unit for feeding viscous liquids, a liquid receiving chamber, a liquid delivering chamber and a metering valve for controlling the flow of a solvent into said receiving chamber in amount determined by the difference in liquid pressures in said receiving and delivering chambers, and a regulating valve arranged between said chambers.

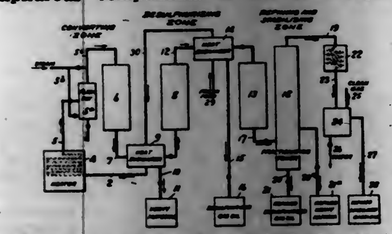
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**2,121,046**
**CONVERSION AND TREATMENT OF MINERAL OILS**
**Arthur E. Pew, Jr., Bryn Mawr, Pa., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware**
**Application December 16, 1935, Serial No. 54,641**
**2 Claims. (Cl. 196—52)**

2. In the production of refined lower boiling hydrocarbons including those within the light



motor fuel or gasoline boiling range in a continuous straight-through operation from a composite hydrocarbon charge boiling to substantial extent above the gasoline boiling range, the steps of process which comprise heating and passing the hydrocarbon charge through a confined conversion zone under conditions so as to effect a cracking or production of lower boiling hydrocarbons from the higher boiling hydrocarbons, said conversion zone being maintained within the temperature range of 760° to 1100° F., continuously removing fluid products from said conversion zone and passing them through a condensing zone, continuously separating at least a substantial proportion of the higher boiling components thereof which condense therein at temperatures above those of the order of 650° to 700° F. from the remaining vaporous products of conversion, passing said remaining vaporous products in the absence of said higher boiling components separated therefrom through a confined desulphurizing zone containing a metalliferous contact material capable of reacting with sulphurous components of the said vaporous



products by undergoing chemical change to a sulphurous form, said contact material being maintained at a temperature approximately within the range of 600° to 775° F., continuously withdrawing fluid products from said desulphurizing zone and passing them through a condensing zone, separating to a substantial extent liquid components which condense in the zone last-mentioned at temperatures above those of the order of 450° to 500° F. from the remaining lower boiling components of the fluid products from the desulphurizing zone, passing said lower boiling vaporous components in the substantial absence of said liquid components through a confined chemical stabilizing and refining zone containing an adsorptive catalytic material comprising essentially an active blend of silica and alumina, the last-mentioned catalytic material being maintained at a temperature substantially within the range of 430° to 620° F., withdrawing fluid products from said refining zone, and fractionating the last-mentioned products to separate a gasoline fraction of high quality from remaining hydrocarbons.

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**2,121,047**
**TOOTH POWDER DISPENSER**
**Colbert C. Pope and Henry T. Slaton, Mineral Wells, Tex.**
**Application May 28, 1937, Serial No. 145,362**
**1 Claim. (Cl. 221—62)**

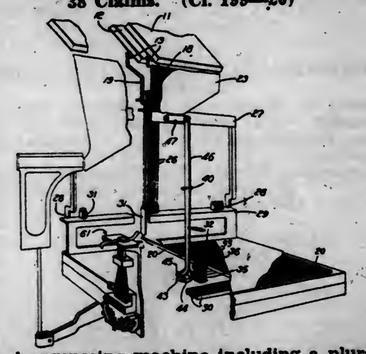
A powder dispenser comprising a base having a powder receiving recess in the top, a powder container having a neck screw threadedly engaged in said recess, there being a brush receiving opening in the base intercepting said recess, a valve in said opening, a stem for the valve receivable in a bore in the base formed in axial alignment with said opening, a spring sleeved on the stem for normally holding the valve to close the recess, pressure of a brush in said opening being adapted to dislodge the valve to unseal the recess, and a guard integral with the valve and



having a spout providing a discharge opening adapted to register with said recess when the valve is opened, said spout preventing contact of the brush with the walls of said recess.

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**2,121,048**
**LINE CASTING AND COMPOSING MACHINE**
**Louis M. Potts, Evanston, Ill., assignor, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware**
**Original application January 2, 1932, Serial No. 584,387. Divided and this application April 21, 1934, Serial No. 721,657**
**38 Claims. (Cl. 199—20)**



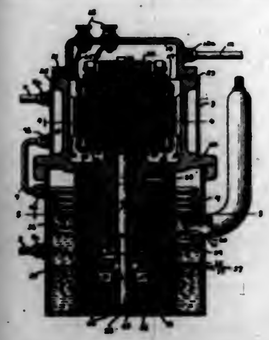
1. A composing machine including a plurality of magazines each having a set of matrix storage channels, a system of matrix release elements capable of association with the channels of any one of said magazines, and means automatically responsive to stored signals for effecting relative movement between said magazines and said system of release elements.

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**2,121,049**
**REFRIGERATION APPARATUS**
**Osborne I. Price, Frederick, Md., assignor, by mesne assignments, to General Motors Corporation, Dayton, Ohio, a corporation of Delaware**
**Original application April 20, 1925, Serial No. 24,599. Divided and this application March 31, 1931, Serial No. 526,724. Renewed August 20, 1934**
**11 Claims. (Cl. 230—139)**

1. In a motor compressor unit, the combination of a motor, a compressor, a main frame upon opposite sides of which said motor and compressor are directly mounted, shaft means providing a direct drive connection between said

motor and said compressor, and closure members for said motor and compressor, each removably secured and sealed to said main frame; said compressor, motor and shaft means being entirely supported on said frame independently of said closure members when said closure members are



secured and sealed to the frame; and a gas conduit for said compressor passing through said main frame independently of said closure members, whereby the closure members may be removed and replaced without disturbing the shaft support or said conduit.

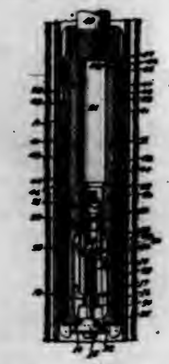
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2,121,050

**HYDRAULICALLY CONTROLLED CEMENT RETAINER**

**Thomas M. Ragan and Clarence E. Burt, Los Angeles, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California**

**Application March 26, 1935, Serial No. 13,064**
**Renewed October 7, 1937**
**32 Claims. (Cl. 166—13)**



1. An apparatus of the character described comprising a hollow body adapted to be secured to the lower end of a string of tubing and lowered into a well casing, slips mounted on said member, means capable of being released connecting said slips to said member and maintaining them in an ineffective position, hydraulically actuated means incorporated in said body and operative to release said means and thereby release said slips so that they may move to an effective position.

2,121,051

**CEMENT RETAINER**

**Thomas M. Ragan and Clarence E. Burt, Los Angeles, Calif., assignors to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California**

**Application July 14, 1937, Serial No. 153,522**
**19 Claims. (Cl. 166—13)**



1. An apparatus of the character described comprising a hollow member adapted to be secured to the lower end of a string of tubing and lowered into a well casing, slips mounted on said member, means capable of being released connecting said slips to said member and maintaining them in an ineffective position, a packing sleeve mounted on said member and capable of being hydraulically actuated to release said means and thereby release said slips so that they may move to an effective position.

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2,121,052

**PONTOON, FLOAT, AND THE LIKE**

**Dudley Roberts, New York, N. Y., and Frederick William Peel, London, England, assignors to Rubatex Products, Inc., Wilmington, Del., a corporation of Delaware**

**Application January 15, 1934, Serial No. 706,771**
**Renewed November 10, 1936**
**3 Claims. (Cl. 114—66.5)**



3. A pontoon comprising a metal chamber and a hard and rigid closed cell rubber expanded therein to completely fill said chamber, said hard and rigid closed cell expanded rubber having a weight on the order of 2½ to 5 pounds per cubic foot.

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2,121,053

**LINING FOR CONTAINERS AND MACHINE FOR AND METHOD OF FORMING THE SAME**

**Francis T. Robinson, Rockville Centre, N. Y., assignor to Arkell Safety Bag Company, New York, N. Y., a corporation of New York**

**Application January 30, 1932, Serial No. 589,831**
**Renewed September 16, 1937**
**8 Claims. (Cl. 93—20)**

1. The method of forming a seam for closing one of the edges of a bag of crinkled paper of the class described which comprises feeding the bag



blank longitudinally with relation to said edge, scoring the blank on spaced lines parallel to and spaced from said edge, applying adhesive to one side of said blank on a line parallel with said edge and spaced a distance inwardly from the inner line of scoring, folding said blank on the



outer line of scoring and then on the inner line so as to form a double fold extending over said line of adhesive, and pressing said double fold upon said line of adhesive by pressure applied at opposite sides of said line of adhesive, said line of adhesive being of gob-like form.

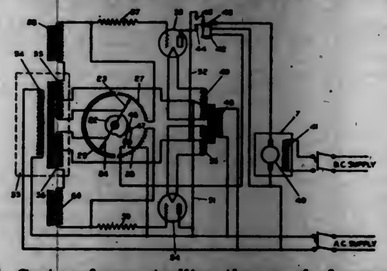
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2,121,054

**APPARATUS AND METHOD FOR CONTROLLING ROTATION**

**Howard A. Satterlee, Needham, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine**

**Application November 2, 1936, Serial No. 106,852**
**7 Claims. (Cl. 172—239)**




1. System for controlling the speed of a motor having an armature immersed in a continuous magnetic field and adapted when in motion to generate a back E. M. F. including a three-electro gaseous electron tube having anode and grid circuits, means for connecting said armature in circuit with the anode of said tube, means for applying operating alternating potentials to the grid and anode of said tube, means for varying the phase of said grid potential with respect to the anode potential in accordance with the desired speed, the variation being to make the grid potential more leading for decreased speed, means for opposing said anode potential with said back E. M. F. and means operatively connected to said grid potential control means for reversing the direction of flow of current through said armature.

2,121,055

**CORROSION RESISTING IRON**

**Earle C. Smith, Cleveland Heights, and George T. Motok, Canton, Ohio, assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey**

**No Drawing. Application January 6, 1937, Serial No. 119,264**
**5 Claims. (Cl. 75—125)**

4. An iron article to be exposed during use to corroding conditions containing between about .01% and about .1% of carbon, about .10% of nitrogen, about .5% of phosphorus, about .45% of copper, about .10% of molybdenum, the remainder consisting of iron containing small amounts of impurities.

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2,121,056

**TITANIUM IRON ALLOY**

**Earle C. Smith, Cleveland Heights, and George T. Motok, Massillon, Ohio, assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey**

**No Drawing. Application December 6, 1937, Serial No. 178,240**
**4 Claims. (Cl. 75—124)**

1. An iron article to be exposed during use to corroding conditions containing between about .02% and about .10% of carbon, between about .05% and about .25% of manganese, between about .45% and about .55% of copper, between about .005% and about .2% of aluminum, between about .10% and about .35% of titanium, and between above .02% and about .2% of nitrogen, the remainder consisting of iron containing small amounts of ordinary impurities.

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2,121,057

**ARSENIC IRON ALLOY**

**Earle C. Smith, Cleveland Heights, and George T. Motok, Massillon, Ohio, assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey**

**No Drawing. Application December 6, 1937, Serial No. 178,241**
**4 Claims. (Cl. 75—125)**

1. An iron article to be exposed during use to corroding conditions, containing between about .02% and about .15% of carbon, between about .01% and about .50% of manganese, between about .10% and about .75% of nickel, between about .20% and about 1.50% of copper, the nickel and copper being present in the ratio of about 1 to 2, between about .005% and about .50% of arsenic, between more than .02% and about .20% of nitrogen, the remainder consisting of iron containing small amounts of ordinary impurities.

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2,121,058

**WAVE PRESSER**

**Nathan L. Solomon, Brooklyn, N. Y.**

**Application November 11, 1935, Serial No. 49,180**
**23 Claims. (Cl. 132—41)**



1. A wave presser comprising juxtapositioned normally closed complementary hair clamping

jaws defining a housing, hair lifting means interposed between said jaws and adapted to support the crest of a wave of hair, and means for holding said jaws against the sides of said wave disposed within said housing.

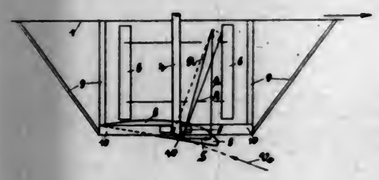
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2,121,059

**DEVICE FOR PADDLE WHEEL PROPELLERS**

Franz Süberkrüb, Hamburg, Germany

Application June 15, 1937, Serial No. 148,383
In Germany June 18, 1936
2 Claims. (Cl. 115—0.5)



1. In combination with a paddle wheel propeller of a side wheel ship, having its paddles working alternately through the water and through the air, a vertical fin, arranged on the outside of said paddle wheel and extending into the water to about the same depth as the immersion of the paddles, said fin being fitted to the ship's hull respectively to the girder, carrying the outside wheel bearing of said paddle wheel, and having the profile of an airplane wing, the pressure side of which is turned to the outside.

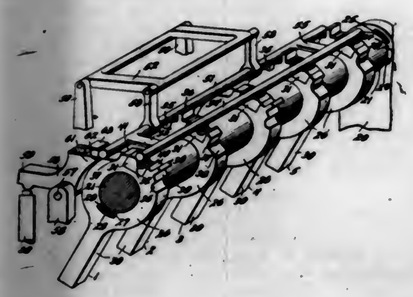
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2,121,060

**LOCKING MECHANISM**

Milton Tibbetts, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application June 18, 1934, Serial No. 731,016
29 Claims. (Cl. 70—312)



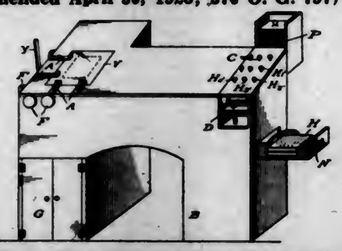
1. In a combination lock, the combination of a movable support, tumblers and operating means therefor mounted therein, a member operated by said tumblers and movable with said support, a rock shaft mounted on a stationary part, means for rocking said shaft to render said member ineffective upon movement of said support with incorrect operation of the tumblers, and means for restoring the rock shaft to its original position.

2,121,061

**METHOD OF AND APPARATUS FOR THE INDEXING AND PHOTO-TRANSCRIPTION OF RECORDS**

Leonard G. Townsend, Washington, D. C.

Application July 3, 1936, Serial No. 88,903
35 Claims. (Cl. 40—53)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of deriving information from a record bearer containing a series of separate records which comprises advancing the record bearer at a rate which is too rapid to permit a selection of a desired individual record, automatically decreasing the rate of advance of said record bearer upon the arrival of a desired record at a preselected point, stopping the advance of said record bearer at a predetermined time after the rate of advance thereof has been decreased, advancing the record bearer in a reversed direction at a decreased rate of speed, and automatically stopping the travel of the record bearer at a preselected point of its lineal travel corresponding to a predetermined position of the individual record upon the record bearer.

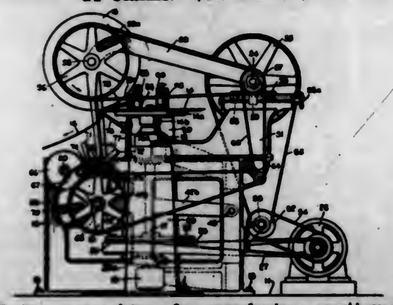
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2,121,062

**MACHINE FOR CUTTING CONTINUOUS LENGTHS OF RUBBER THREADS**

Enrique Vincke, Palamos, Spain, assignor to Harry H. Straus, New York, N. Y.

Application January 19, 1937, Serial No. 121,263
14 Claims. (Cl. 164—37)



7. In a machine for producing continuous lengths of rubber thread from a laminated block of rubber comprising laminations of circular discs of rubber held in non-displaceable relationship to one another, a main frame structure, a circular knife rotatably mounted in said frame structure for rotation in approximately a horizontal plane, a main drive shaft rotatably mounted in said frame structure, the positioning of said shaft being adjustable horizontally relative to such frame structure, means for mounting the laminated block of rubber for rotation in approximately a vertical plane, the zone of rotation



of said block being adjacent approximately tangentially to the cutting zone of said circular knife, a rigid frame pivotally connecting said main drive shaft and said block mounting means, a floating frame pivoted at one of its ends to said main frame structure and connected in threaded relation at an opposite end to a jack-shaft, means carried by said floating frame for adjustably engaging said block mounting means, said first mentioned means comprising an arrangement for effecting micrometric determination of the thickness of the continuous strip cut from said laminated block of rubber, and means for simultaneously rotating said circular knife, said laminated block of rubber and said jack-shaft, the rotation of said jack-shaft effecting movement of said floating frame to progressively feed said laminated block of rubber approximately tangentially into the cutting zone of said circular knife.

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2,121,063

**ELECTRICAL PLUG CONNECTION**

Lawrence Walter, Albany, Calif.

Application September 11, 1934, Serial No. 743,568
7 Claims. (Cl. 173—361)



1. A connector of the type described comprising a base formed in its top with a recess, a boss rising from the floor of said recess and having curved sides spaced from opposite sides of said recess so as to define semi-annular wire receiving channels on opposite sides of said boss, one end of said channels merging into a single wire passing opening through the side of said base, the opposite end of said channels leading individually into wire-end receiving bores, an elongated contact lying on the floor of each wire receiving channel on which the corresponding wire is adapted to lie with its end in the corresponding wire-end receiving bore, and a cap screw-threadably connectible to said boss in a manner to compress the wires on said contacts.

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2,121,064

**PRODUCTION OF CITRIC ACID**

Justin Zeisler, Chauncey, N. Y., assignor to Stauffer Chemical Company, New York, N. Y., a corporation of California

No Drawing. Application March 20, 1936, Serial No. 69,975
7 Claims. (Cl. 195—36)

1. A process for producing citric acid comprising mold fermenting a polysaccharide solution to citric acid, withdrawing the citric acid from under the developed mycelium, introducing a monosaccharide solution under the mycelium and fermenting this solution to citric acid.

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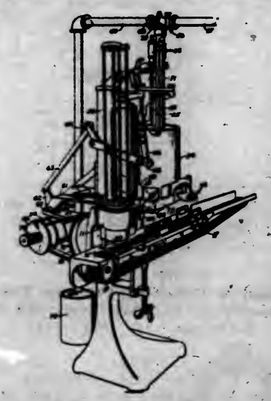
2,121,065

**FORMATION AND PACKAGING OF MATERIAL**

Swan Fritcof Andersen, Rockford, Ill.

Application October 19, 1934, Serial No. 749,019
19 Claims. (Cl. 226—107)

12. The combination with mechanism for delivering material in a continuous flow but at a variable rate, of means operating to package said material in measured quantities, and means responsive to variations in the rate of delivery of said material by said mechanism to vary the



speed of operation of said packaging means in progressively varying increments.

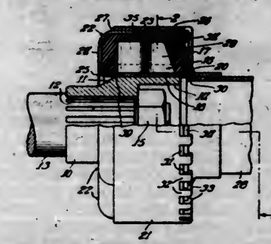
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2,121,066

**FLEXIBLE COUPLING**

Milton B. Anderson and Carl E. Swenson, Rockford, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application April 10, 1937, Serial No. 136,166
11 Claims. (Cl. 64—9)



1. In a flexible coupling a driving member, a driven member, V-shaped blades rigidly secured to one of said members, V-shaped blades secured to the other of said members and extending into the interstices between the first-mentioned V-shaped blades, the apices of the blades on both members being faced in the same direction and in substantial alignment with one another, and a resilient medium substantially surrounding the blades and forming an operative vibration-absorbing driving connection therebetween.

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2,121,067

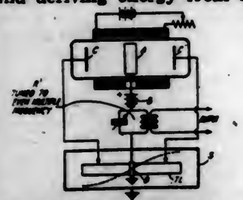
**DOUBLE CATHODE ELECTRON DISCHARGE DEVICE AND CIRCUITS**

Charles H. Brown, Brooklyn, N. Y., and Walter van B. Roberts, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application October 28, 1935, Serial No. 46,980
29 Claims. (Cl. 250—36)

29. In an electron multiplier structure wherein an electron cloud is oscillated against and away from a surface to produce secondary emission therefrom upon impact therewith, the method of operation which comprises stabiliz-

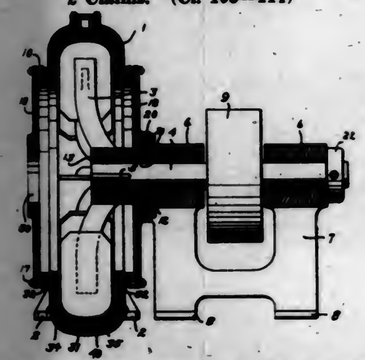
ing the frequency of impact at a fundamental frequency, and deriving energy from said elec-



tron cloud of a frequency which is an integral multiple of the fundamental frequency.

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**2,121,068**
**PUMP LINING**
**John A. Buechler, Victoria, Tex.**
**Application July 16, 1937, Serial No. 153,948**
**2 Claims. (Cl. 103—114)**

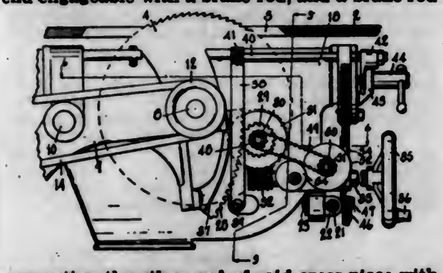


1. In a centrifugal pump, a circular casing having an axial inlet and a tangential outlet, an annular fluid channel in said casing, said channel having annular shoulders forming the inner limits thereof, said shoulders extending around the interior of said casing and through said outlet to receive liner sections therein, liner sections slidable into said outlet and about said casing to form a wear surface for said channel, said sections in said channel being of approximately uniform shape and size, and means to retain said liner sections in assembled position.

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**2,121,069**
**CIRCULAR SAW**
**James G. Collins, Kalamazoo, Mich., assignor to Atlas Press Company, Kalamazoo, Mich.**
**Application June 14, 1937, Serial No. 148,062**
**5 Claims. (Cl. 143—36)**

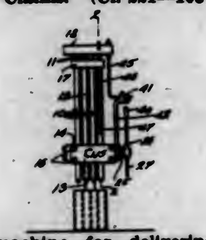
1. In a saw, the combination of a frame, a saw table supported thereon having a slot through which the saw projects for use, a saw, a saw carrying cradle on trunnions in said frame to rotate about an axis which lies at the intersection of the saw and the table top, means for adjusting the position of the cradle on its trunnions, an arm pivotally mounted on said cradle between its ends carrying a saw arbor at one end on which said saw is mounted for movement through the slot in the table top, a motor at the other end of said pivoted arm, a belt drive between said motor and said saw arbor, means for adjusting the elevation of said saw arbor by turning said arm on its pivot, an opening in said frame adjacent one trunnion of said cradle, means for holding said cradle and saw in adjusted position, comprising a curved brake shoe on said pivoted arm, a brake beam pivoted on said cradle and in operative relation to said shoe, clamping means on said cradle extending through a slot in said frame, a cross piece on said clamping means having one end engageable with said frame and the other end engageable with a brake rod, and a brake rod



connecting the other end of said cross piece with said brake beam whereby tightening of the clamping means forces one end of said cross piece against the frame and the other end of said cross piece against said brake rod to clamp said brake beam against said brake shoe whereby the saw is held firmly in adjusted position.

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**2,121,070**
**MACHINE FOR DELIVERING MEASURED CHARGES OF FLUENT MATERIAL**
**John P. Crandall, Buffalo, N. Y.**
**Application January 21, 1937, Serial No. 121,384**
**9 Claims. (Cl. 221—103)**



1. In a machine for delivering measured charges of fluent material, the combination of a measuring cylinder having a discharge opening, means for supplying the material under pressure to the cylinder, a piston in said cylinder which is moved in one direction by the pressure of the material to allow a charge of material to enter the cylinder, means operable to open and close communication between the supply means and the cylinder and to open and close said discharge opening, said means being actuated to shut off the supply to the cylinder when a charge has entered the cylinder, means for moving the piston to discharge the material from the cylinder when the supply to the cylinder is shut off, and means controlled by the discharge movement of the piston to close the discharge opening and open communication between the supply means and cylinder.

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**2,121,071**
**BRAID FORMER**
**Walter J. Croft, Jr., West Roxbury, Mass., assignor to International Braid Company, a corporation of Massachusetts**
**Application January 20, 1936, Serial No. 59,837**
**11 Claims. (Cl. 96—16)**

1. In a braiding machine, a braid former comprising a body portion, a pair of members for



engaging the opposite sides of the work, rods for slidably mounting one of said members for



movement toward and from the other member, and spring means for urging one member along said rods toward the other.

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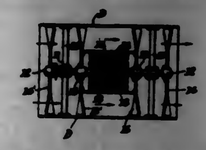
**2,121,072**
**ARTIFICIAL FLY FOR FISHING**
**Robert Campbell Deans, Glasgow, Scotland**
**Application May 18, 1936, Serial No. 80,339**
**In Great Britain June 1, 1935**
**15 Claims. (Cl. 43—43)**



2. In an artificial fishing fly including a hook, a wing or wings made up of a relatively large number of individual flexible, threadlike fibres of cellulosic material, and means for attaching said fibres to the hook.

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**2,121,073**
**DISK FAN**
**George de Bothezat, New York, N. Y., assignor, by mesne assignments, to American Machine and Metals Inc., New York, N. Y., a corporation of Delaware**
**Application June 8, 1935, Serial No. 25,534**
**Renewed November 11, 1937**
**6 Claims. (Cl. 230—123)**

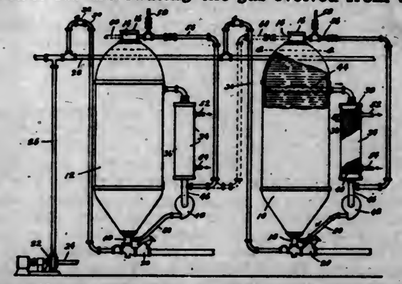


1. Apparatus for producing an axially directed current of air comprising an outer member forming a duct, supporting means extending inward therefrom, shaft bearings carried by said supporting means in spaced relation, a rotatable motor shaft member spanning the space between said bearings and rotatable therein to be carried thereby, motor bearings and a motor rotor carried by said shaft between said supports, a motor casing member rotatable on said motor bearings, and oppositely rotating fan rotors driven by said shaft and said casing respectively.

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**2,121,074**
**METHOD AND APPARATUS FOR DIGESTING CELLULOSIC MATERIAL**
**Francis J. Dooley, Arlington, Mass.**
**Application May 11, 1934, Serial No. 725,139**
**1 Claim. (Cl. 92—7)**

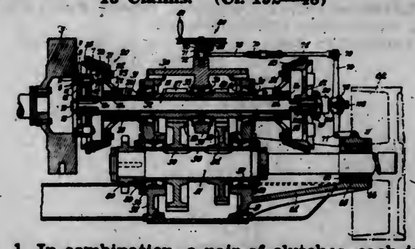
A digester system for cellulosic material comprising a battery of digesters adapted to receive the cellulosic material and charges of gas evolving liquor, heat exchangers associated with said digesters, means for circulating the liquor of a digester through the associated heat exchanger, and means for introducing the gas evolved from the



liquor in one digester into the circulating liquor of another digester externally thereof.

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**2,121,075**
**CLUTCH MECHANISM**
**Clarence M. Eason, Waukesha, Wis., assignor to Industrial Clutch Company, a corporation of Wisconsin**
**Application August 10, 1936, Serial No. 95,964**
**13 Claims. (Cl. 192—48)**



1. In combination, a pair of clutches, each including a shiftable clutch member, said shiftable clutch members being coaxially disposed, and means for adjusting said shiftable clutch members axially in unison for wear of one of said clutches and for adjusting one of said shiftable clutch members axially independently of the other shiftable clutch member for wear of the other clutch.

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**2,121,076**
**MOLDING COMPOSITION OF UREA RESIN AND MODIFYING AGENT AND PROCESS OF MAKING SAME**
**Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey**
**No Drawing. Application April 1, 1936, Serial No. 72,051**
**4 Claims. (Cl. 106—22)**

1. A molding composition in dry comminuted form comprising a carbohydrate-modified urea-aldehyde resin obtained by the drying under non-curing conditions of an admixture of a hydrophilic carbohydrate selected from the class consisting of starch-containing carbohydrates, vegetable gums and Irish moss, and a water solution of a urea-aldehyde resin formed from about 1 to 2 moles of aldehyde and about 1 mole of urea, said carbohydrate being present in such quantities that the molding composition contains from about 10 to 60% thereof on a dry basis, said composition hardening at a temperature of about 120 to 160° C. to yield a light colored, translucent, heat- shock- and moisture-resisting product.

2,121,077

## GLASS-CLEAR SYNTHETIC RESIN PRODUCT AND PROCESS OF MAKING SAME

Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application April 1, 1936, Serial No. 72,052

2 Claims. (Cl. 260—3)

1. The process of making a hard transparent article, comprising adding to more than 2 moles of aqueous formaldehyde in one step 1 mole of urea, effecting reaction between the urea and formaldehyde while maintaining a pH of 5 to 8, adding thiourea in one step to the resulting condensation product in an amount such that the ratio of total ureas to formaldehyde is 1 to not less than 1.75, heating the reaction mixture while maintaining the pH between 4.5 and 6 to cause reaction of the thiourea, subjecting the resulting condensation product to a dehydration under reduced pressure at a temperature of from 50 to 90° C., grinding the dry product to form a molding composition, and subjecting said composition to heat and pressure.

2,121,078

## SUPPORTING MECHANISM FOR THE CROWN SHEAVE OF A DRILLING MACHINE

John A. Elmes, Beaver Falls, Pa., assignor to Keystone Driller Company, Beaver Falls, Pa., a corporation of Pennsylvania

Application April 16, 1937, Serial No. 137,298

10 Claims. (Cl. 254—143)



1. A drilling machine, comprising a frame carrying a spudder mechanism, a derrick rising from said frame, a vertically movable crown sheave slide at the upper end of said derrick, a crown sheave carried by said crown sheave slide and carrying the line which extends from said spudder mechanism and over said crown sheave to the drill, a spring interposed between said crown sheave slide and derrick and yieldingly supporting said slide in an elevated position, a hydraulic shock absorber mounted on said derrick and means operatively connecting said hydraulic shock absorber with said slide to retard the action of said spring.

2,121,079

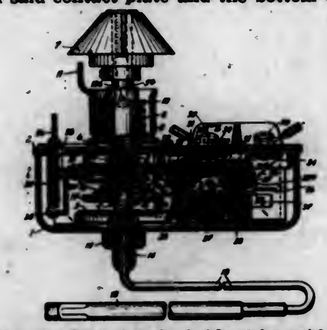
## ELECTRIC THERMOSTAT

Samuel G. Eskin, Clayton, Mo., assignor to American Thermometer Company, St. Louis, Mo., a corporation of Missouri

Application February 20, 1937, Serial No. 126,762

5 Claims. (Cl. 200—140)

1. An electric thermostat comprising a casing, a cover therefor, a switch mechanism in said casing and an expansible operating member therefor responsive to the temperature of an oven or the like, said switch mechanism including a lever actuated by said expansible member, a contact plate loosely supported on the casing bottom opposing side of said lever, a pair of spaced stationary contact members disposed between said contact plate and the bottom of said



casing and adapted to be bridged by said loosely supported contact plate, a coil compression spring interposed between said lever and said plate midway of the ends of the latter, and a pair of brackets fixed to said cover for supporting said pair of stationary contact members, whereby said stationary contact members are attachable to and detachable from said casing with said cover as a unit.

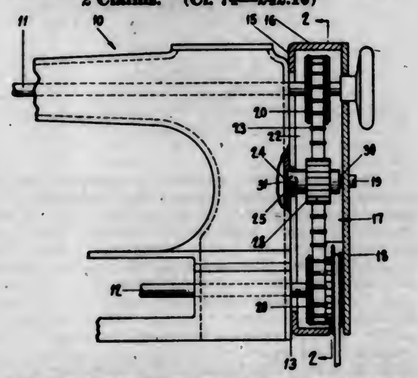
2,121,080

## SEWING MACHINE BELT DRIVE

Joseph Galkin, New York, N. Y.

Application June 14, 1937, Serial No. 148,150

2 Claims. (Cl. 74—242.10)



1. In a belt tensioning device for a sewing machine having a hollow overhanging frame including a transverse support, a casing extending longitudinally from said transverse support and forming an enclosure for a belt, said sewing machine having a belt drive-shaft and a belt driven-shaft which extend into said casing, said casing having an open end face at a point spaced from said transverse support, said support having a transverse slideway, a slide movable on said slideway and having an elongated slot, said slide being secured to said frame by a bolt coacting with said slot, a toothed idler wheel rotatably mounted at one end of said slide, a screw means threadably positioned in said slide for adjusting said slide and idler wheel along said guideway, toothed wheels mounted on said shafts and being connected by said belt, said belt having means for engaging with said teeth to rotate said wheels in timed relation, said idler being adapted to bear against a side of said belt, a removable cover plate for the open end face of said casing, said cover plate having an opening and one of said shafts extending through said opening and permitting said cover plate to be swung about said shaft, whereby said idler wheel and said slide mechanism may be shielded or whereby it may be viewed in its entirety when tensioning said belt.



2,121,081

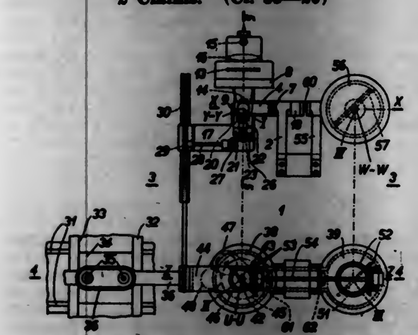
## STEREOPHOTOGRAMMETRIC PLOTTING APPARATUS

Otto von Gruber, Jena, Germany, assignor to the firm of Carl Zeiss, Jena, Germany

Application October 23, 1937, Serial No. 170,553

In Germany October 28, 1936

2 Claims. (Cl. 33—20)



1. In a stereophotogrammetric plotting apparatus, two projection chambers; a support for these chambers; a carrier displaceable in any direction relatively to the support of the chambers; two mirrors; and two lens systems; each chamber containing an objective and an image plate; the said two mirrors being cardanically so mounted on the said carrier that the Cardan centre and the interior Cardan axis of each mirror lie in the mirror surface; a mark being so disposed on each mirror as to coincide with the Cardan centre; each of the said two lens systems consisting of a plurality of members, which are adjustable relatively to each other, and being cardanically so mounted on the said support that its Cardan centre is near the objective of one of the two chambers and, for the sharp imaging of a point of the corresponding image plate on the corresponding mirror mark, being so coupled to the said carrier that changes of the distance apart of the corresponding image mark and the corresponding chamber objective entail a reciprocal adjustment of the lens members; two other mirrors being coordinated to each of the two chambers and cardanically so mounted on the said support and the said carrier, respectively, that the Cardan centre and the inner Cardan axis of each mirror lie in the reflecting surface and that the Cardan centres of both mirrors, the Cardan centre of the corresponding lens system and the corresponding mirror mark determine a parallelogram; the said two mirrors and the corresponding mark mirror being coupled to each other in such a manner that these three mirrors so reflect a light ray coinciding with that side of the said parallelogram which is determined by the mirror mark and the Cardan centre of the lens system that this ray traverses subsequently to each other the next two sides of the parallelogram and then a straight line which coincides with the last side of the parallelogram, another lens system, which consists of a plurality of members, being so disposed in the rear of each of the two mark mirrors that its focus coincides with the mirror mark and its rearmost member is in front of that corresponding mirror which is mounted on the chamber support.

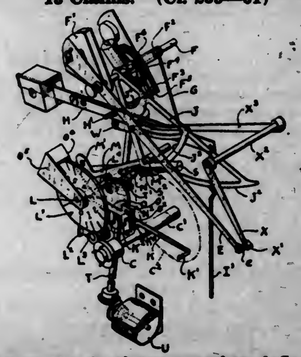
2,121,082

## INTEGRATOR MECHANISM FOR MEASURING INSTRUMENTS

Thomas R. Harrison, Wyncote, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 7, 1932, Serial No. 585,212

13 Claims. (Cl. 235—61)



1. In a meter having a member deflectable in accordance with changes in the instantaneous value of the quantity measured, a counting train and actuating means therefor including a shaft, a lever arranged to turn back and forth between an initial position and a second position in which it engages said member and which varies with the deflection of the latter, said lever being biased to move from said initial position into said second position, means including clutch parts and a yielding connection connecting said shaft to the lever yieldable on movement of the latter towards said initial position, and power operating means for periodically engaging and moving said lever out of engagement with said member and back into said initial position and thereafter receding from said lever to permit the free movement of the latter into said second position as a result of said tendency.

2,121,083

## REFRIGERATING SYSTEM

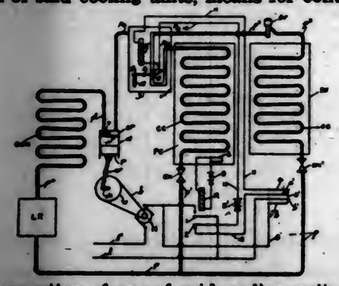
Leroy D. Kellogg, Deerfield, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois

Application October 15, 1931, Serial No. 568,914

11 Claims. (Cl. 62—4)

1. A refrigerating system of the character described including a compressor, a condenser, a liquid container connected in series, a motor for driving said compressor, a plurality of cooling units, each having its high pressure end connected to said liquid container, an electromagnetically operated valve, a connection between

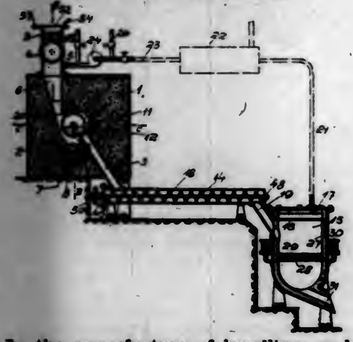
said compressor and said valve and connections between said valve and the low pressure end of each of said cooling units, means for controlling



the operation of one of said cooling units, other means for controlling the operation of a second cooling unit, both said means independently controlling the operation of said motor.

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**2,121,084**
**PRODUCTION OF BERYLLIUM**
**Osias Kruh, Vienna, Austria**
**Application August 29, 1935, Serial No. 38,399**
**In Austria September 10, 1934**
**25 Claims. (Cl. 75—84)**

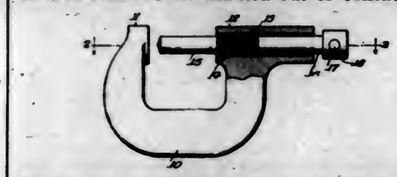


1. In the manufacture of beryllium or beryllium alloys, the process which comprises reducing beryllium oxide with the aid of carbonaceous material in the presence of a protective gas which is inert to beryllium at a temperature sufficient to vaporize into said gas the beryllium formed by reduction.

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**2,121,085**
**CLAMP**
**Alfred F. Krumholz, Chicago, Ill.**
**Application April 10, 1937, Serial No. 136,105**
**1 Claim. (Cl. 113—99)**

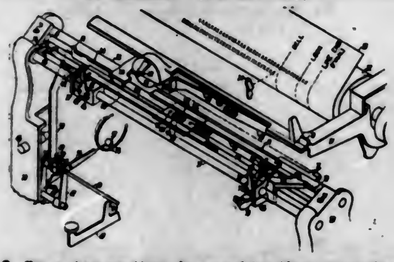
A clamp for holding articles to be united by welding or like process embodying a rigid body shaped to provide spaced and opposed jaws between which the articles are held, a bearing extending through one of said jaws and being of an extended length, threads in said bearing extending to the inner end thereof, a clamping member extending through and adjustable in said bearing and threads on said member spaced from the inner end thereof for a distance not less than the width of the space between said jaws, the inner end of said member beyond said threads being smooth and of a diameter substantially less than the diameter of the threaded portion whereby when said inner end of said member is withdrawn into the threaded bearing, said end will be maintained out of contact with



the threads in the bearing, the threads on said member engaging the threads in said bearing.

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**2,121,086**
**TYPEWRITING MACHINE**
**Alfred G. F. Kurowski, Brooklyn, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware**
**Application November 23, 1936, Serial No. 112,269**
**29 Claims. (Cl. 197—63)**



3. In a typewriter, in combination, a reciprocatory carriage, a stop engaging member thereon, a frame, a rod mounted in the frame in parallel with the direction of the reciprocation of the carriage, a margin-stop mounted on and slidable on said rod, a rack for sliding said margin-stop, said margin-stop having two parts, one of which is fixed to said rack, and the other of which swings upwardly and downwardly on the rod, a signaling device, means connected with said swinging part for operating said signaling device, a second rack in parallel with said first rack, a second margin-stop connected with said second rack, a second rod on which the carriage reciprocates, teeth formed on the front of said rod, a toothed arm mounted on said second margin-stop and yieldably engaging said teeth, and a pinion fixed on the frame intermediate said racks and connected with said racks, said second margin-stop being adjustably fixed on the frame, whereby the adjustment of said second margin-stop simultaneously and concurrently slidably moves the first margin-stop on said rod.

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**2,121,087**
**SHIP DECK MORTAR-LIKE ADHESIVE PLASTIC**
**Joseph Labra, Long Island City, N. Y.**
**No Drawing. Application August 20, 1936, Serial No. 96,968**
**5 Claims. (Cl. 106—23)**

1. A plastic mortar-like composition consisting in a combination compound comprising 3 parts by volume of hydraulic cement mixed there into two (2) parts by volume of an aqueous alkali colloidal casein latex compound containing 43% water, 40% rubber latex, 12% casein, and a quantity of sodium salicylate, sodium carbonate, calcium hydroxide, tri-sodium phosphate, zinc



oxide, sulphur, sulphonated castor oil and hexamethyleneamine amounting to 5% of the liquid colloidal.

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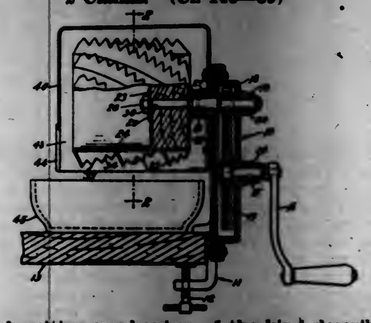
**2,121,088**
**BRASSIÈRE AND THE LIKE**
**Dee La Rae, Chicago, Ill.**
**Application September 17, 1934, Serial No. 744,306**
**Renewed November 13, 1937**
**3 Claims. (Cl. 2—42)**



1. In a device of the kind described, a brassière body portion provided with a pair of pockets for containing parts of the body and provided with a circular opening in each of said pockets said brassière body portion also having means adapted to provide for a vertical support of said parts of the body, flaps laterally secured to said body portion adjacent said opening said flaps being formed in a pocket-like shape to provide auxiliary supporting means for supporting said parts of the body in a vertical and lateral manner, and detachable securing means for the ends of said flaps said securing means being adapted for the overlapping of the free ends of said flaps for vertical and lateral support.

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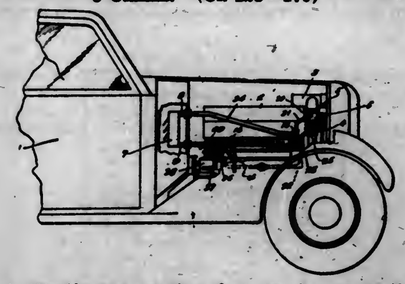
**2,121,089**
**ROTARY VEGETABLE CUTTER**
**John J. Lee, Wilmington, Calif.**
**Application May 17, 1937, Serial No. 143,047**
**2 Claims. (Cl. 146—89)**



1. A cutting mechanism of the kind described including a casing, an extension leading downwardly into said casing, said extension having a bottom portion corrugated in the direction which the fed materials move, a presser plate pivotally mounted upon said extension in an upwardly spaced relation to its corrugated floor portion, said presser plate having downwardly directed corrugations extending in the same direction as the corrugations of said extension, springs tending to swing said presser plate downwardly against the materials being fed, and cutting means comprising a rotatable drum having spiral cutting means thereon within said casing rotatable in a direction tending to move the fed materials downwardly through said extension, the cutters of said cutting means also tending to shift the fed materials laterally in opposition to the action of the cooperating corrugated means aforementioned.

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**2,121,090**
**HEATING APPARATUS FOR AUTOMOBILES**
**Wilton H. Kuehn, Hebron, N. Dak.**
**Application May 29, 1937, Serial No. 145,603**
**5 Claims. (Cl. 122—170)**



1. Heating apparatus for use in connection with the water cooling system of an automobile engine and comprising an elongated heating cylinder having closed ends and for location alongside said engine, inlet and outlet pipe lines extending from opposite ends of the cylinder, respectively, for connecting the cylinder in the water cooling system for circulation of water therethrough, a cylindrical heat conducting jacket surrounding said cylinder, said jacket being open at both ends and extending at one end beyond the cylinder, and a torchlike heat generating unit at the extending end of the jacket for introducing heat into said end.

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**2,121,091**
**AUDIO FREQUENCY VOLUME CONTROL MEANS**
**William P. Maginnis, Upper Darby, Pa., assignor to Radio Corporation of America, a corporation of Delaware**
**Application January 31, 1936, Serial No. 61,780**
**7 Claims. (Cl. 179—1)**



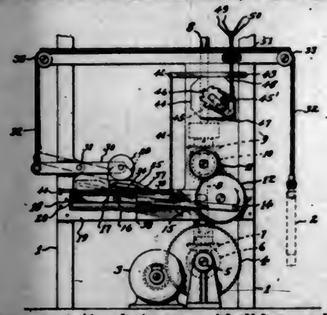
1. In an audio frequency volume control network comprising an input circuit and an output circuit, the combination of a high impedance volume control resistor element connected across said input circuit and having a terminal connection at one end jointly with said input and output circuits, means providing a movable tap for said resistor element, means providing a connection between said movable tap and said output circuit, and means providing an electrostatic shield between the last named means and the high signal potential end of said resistor element, whereby high frequency signals from said input circuit are prevented from being applied to said output circuit through stray capacity coupling therebetween.

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**2,121,092**
**CHANGE MOTION MECHANISM FOR JACQUARD LOOMS**
**Floyd C. Matthews, Fairlawn, N. J.**
**Application February 28, 1936, Serial No. 66,206**
**9 Claims. (Cl. 139—175)**

1. In a Jacquard loom having a vertically reciprocable batten, change motion mechanism for

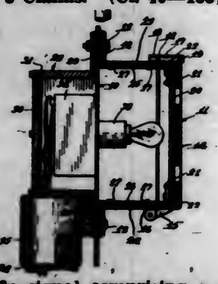
causing the reciprocation of said batten, said mechanism comprising a continuously reciprocating slide member, a second slide member, a positive drive connection between said members for moving said second slide member in one direction from said first slide member, a disconnectable



driving connection between said slide members for moving said second slide member from said first slide member in the reverse direction, and motion transmitting means actuated by said second slide member for effecting the reciprocating movement of said batten.

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**2,121,093**
**TRAFFIC SIGNAL**
**Gustave E. Munch, Chicago, Ill.**
**Application May 27, 1937, Serial No. 144,980**
**3 Claims. (Cl. 40—133)**

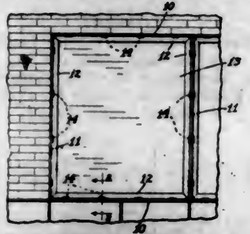


1. A traffic signal comprising a plate having warning, directional or like indicia thereon, a pair of housings secured to opposite sides and extending from a central portion of said plate, illuminating means in one of said housings, controlling means for said illuminating means in the other of said housings, a plate mounted on the front of said illuminating housing, said plate having perforations therein forming a signal indicia through which rays of light from the illuminating means are directly exposed, and transparent plates on the upper and lower sides of said housing for directing rays of light from the illuminating means therethrough onto the indicia of the plate.

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**2,121,094**
**BACK-SET METAL SASH**
**Jacob J. Nuding and Julius Pollak, Chicago, Ill.**
**Application November 23, 1936, Serial No. 112,217**
**17 Claims. (Cl. 20—56.4)**

13. In a metal sash, the combination of inner and outer stop members, said inner member having a glass receiving groove, a horizontal locking member having an outer edge portion held by said outer stop member and an inner edge portion extending into said inner stop member, and a vertical set screw in said inner stop



member and engaging the top of the inner edge portion of said locking member to hold said outer stop member against said inner stop member.

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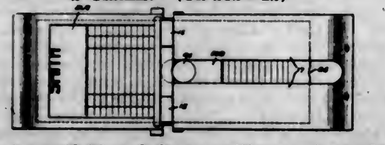
**2,121,095**
**COMBINED CLUTCH AND FRICTION RETARDING MEANS FOR HAND BRAKES**
**Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware**
**Application February 17, 1937, Serial No. 126,150**
**10 Claims. (Cl. 74—505)**



1. In a hand brake mechanism, the combination with a rotary chain winding member; of a rotary worm; a worm wheel in mesh with said worm; a sliding clutch element operatively connecting said worm wheel and winding member, said clutch element being rotatable in unison with said worm wheel; means for actuating said clutch element to engage the same with and disengage the same from said winding member; and means on said clutch element for retarding rotary movement of said winding member when said clutch element is disengaged.

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**2,121,096**
**MANIFOLD PACK**
**Walter E. Oliver, Somerville, Mass.**
**Application September 4, 1936, Serial No. 99,452**
**2 Claims. (Cl. 282—12)**




1. A manifold pack for use with an autographic register comprising a number of immediately superposed strips of paper, each of which comprises



a series of successive tickets adapted for inscription, folded together in zigzag manner to form a pack, the lowermost strip only having between its sides at the following ends of the tickets openings formed to pass the finger, the superposed strips being unbroken where they overlie the opening in the lowermost, whereby, when overlying tickets of a superimposed set are torn off, the leading ends of all the tickets of a following set may be manually grasped to dispense the same from the pack.

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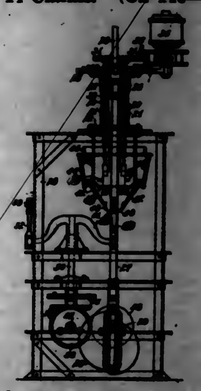
**2,121,097**
**METHOD OF SEGREGATING INTEGUMENT-FREE FRUIT SEGMENTS**
**Ralph B. Polk and Ralph Polk, Jr.**
**Haines City, Fla.**
**Application August 2, 1935, Serial No. 34,345**
**8 Claims. (Cl. 146—3)**



1. That improvement in the art of segregating nature-formed fruit-segments, which includes the step of creation of a void polarwise of the whole fruit between divergent integuments at the apex of individual segments without substantial disturbance of the wider outer portion of the meat segment and without substantial rupture of the natural bond between the apices of adjacent integuments and the immediately adjacent integuments.

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**2,121,098**
**APPARATUS FOR SEGMENTING FRUIT**
**Ralph B. Polk and Ralph Polk, Jr.,**
**Haines City, Fla.**
**Application August 2, 1935, Serial No. 34,349**
**14 Claims. (Cl. 146—3)**



1. Means for segregating fruit segments, comprising a pair of divergent blade carriers hinged each with relation to the other for independent swinging movement about a common axis, a spring yieldingly diverging said carriers, and a pair of stripper blades, one pivoted on each carrier on an axis at right angles to the hinge axis.

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**2,121,099**
**MIRROR DEVICE**
**Benjamin Putterman, Brooklyn, N. Y., assignor to Yankee Metal Products Corp., Norwalk, Conn., a corporation of New York**
**Application February 6, 1936, Serial No. 62,600**
**1 Claim. (Cl. 88—96)**



In a mirror device the combination of a casing having a well, and a channel of greater diameter than said well, the channel having an inturned top edge of substantially the same diameter as the well; a mirror in said well having a diameter substantially equal thereto; a spacer of yielding material having a diameter substantially equal to and positioned in back of said mirror; a rubber tube having a wire therein projecting from one end thereof and having a socket at the other end to receive the projecting wire, said rubber tube being insertable into said channel to yieldingly maintain said mirror in said well and against said spacer.

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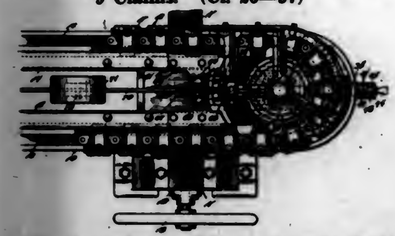
**2,121,100**
**CONVERTIBLE COT AND DUPLEX CHAIR**
**David Rosenbaum, Baltimore, Md., assignor of one-half to Francis M. Stevenson**
**Application August 15, 1936, Serial No. 96,161**
**3 Claims. (Cl. 155—45)**



1. A cot adapted to be transformed into a chair comprising a frame having a side frame member at each side in two pieces, hinged at the center, an end support side frame member at each end of each side frame member, hinged thereto to swing upwardly through a limited arc and provided with stops to limit said swing, a removable end frame connecting each end of the side frame, a removable cover removably secured to said frame, legs pivotally connected adjacent each hinge and supporting the side frame members at said respective hinges in the cot arrangement, the side frame members being adapted to be folded about the center hinges, raising the center hinges and the ends of the side frame members adjacent said hinges and the center legs, a removable support on each side for the lower ends of said center legs adapted to be connected to said side frame members at each side of the center hinges and to extend from one to the other well below said center when in chair arrangement, the end legs being adapted to swing upwardly to form

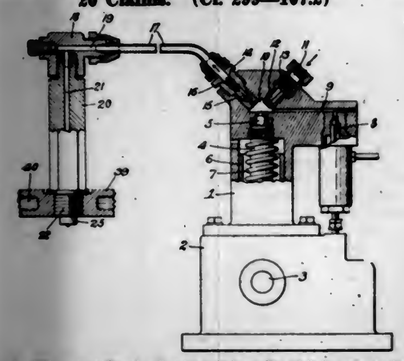
seat frames and jointed braces connecting said end legs to said side frame members, the end frames having means whereby they are engaged with the outer ends of said legs to support the ends of a cot cover in the chair position, a center cross bar supported on the hinges at the center of the side frames to support the couch cover at the top of the chair back, the end support side frame members being deflected forwardly beneath the seats serving as legs to support the same.

2,121,101
**TENTERING MACHINE**
Richard E. Rusden, Providence, R. I., assignor to The Textile-Finishing Machinery Company, a corporation of Rhode Island
Application April 29, 1936, Serial No. 76,945
9 Claims. (Cl. 26—57)



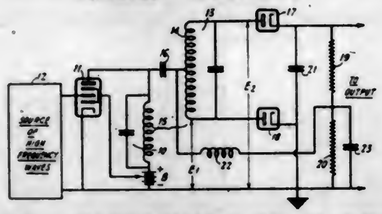
1. In a tentering machine, an endless chain, a sprocket wheel about which the chain travels disposing the same in parallel lengths, a member carrying a stud upon which said wheel is rotatably mounted, means for slidably mounting said member, means for exerting a substantially invariable constant pressure on said member regardless of its position along its support comprising a lever located between the lengths of chain, a weight on one arm thereof, and means carried by another arm for transmitting pressure to said member.

2,121,102
**PISTON VALVE ATOMIZER**
Philip Lane Scott, Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind., a corporation of New York
Application November 12, 1936, Serial No. 110,488
20 Claims. (Cl. 299—107.2)



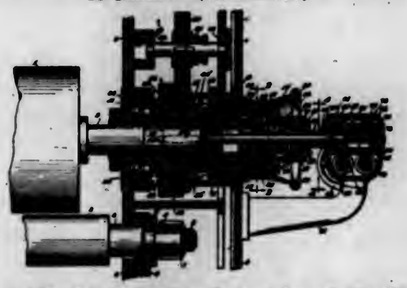
1. The method of atomizing liquid in a system which includes a pump and an atomizer having a valve and a discharge opening and a connecting passage, which method includes the following steps: subjecting liquid to pressure within the pump, moving it under pressure along the connecting passage, causing it to discharge from the atomizer, stopping the flow of liquid from the pump to the atomizer, greatly reducing pressure in the atomizer while tending to maintain pressure in the connecting passage.

2,121,103
**FREQUENCY VARIATION RESPONSE CIRCUITS**
Stuart W. Seeley, Bayside, Flushing, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 17, 1935, Serial No. 45,413
18 Claims. (Cl. 250—20)



1. In a frequency variation response network, a primary resonant circuit connected to a source of high frequency waves, said circuit being tuned to a desired frequency, a secondary resonant circuit including a coil tuned to the same frequency, means for reactively coupling said circuits, means for connecting the high alternating potential side of the primary circuit to the midpoint of the coil of the secondary circuit, means for rectifying the potentials at the two ends of the secondary circuit coil with respect to the low potential side of the primary circuit and means for adding the resulting direct current voltages in opposition.

2,121,104
**RUNNING REGISTER**
Frank S. Shields, Jamaica, N. Y., assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application December 31, 1935, Serial No. 56,956
16 Claims. (Cl. 74—395)

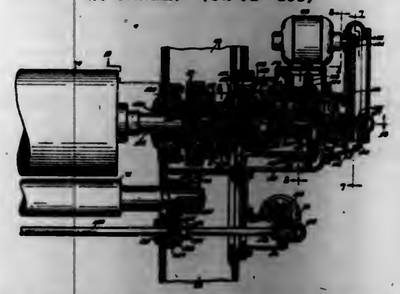


1. Means for adjusting the angular relationship between a driven shaft and a driving member comprising first and second sleeve members, said first sleeve being secured to said shaft and said second sleeve coacting with said driving member; a transversely movable member rotatably mounted on said first sleeve; abutting means secured to said second sleeve; and mechanism for displacing said transversely movable member with respect to said first sleeve and against said abutting



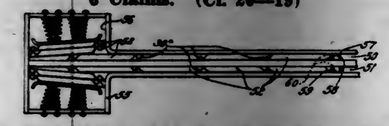
means to produce a relative angular displacement between said first and second sleeves while said driving member is operating.

2,121,105
**RUNNING REGISTER**
Frank S. Shields, Jamaica, N. Y., assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application July 6, 1936, Serial No. 89,017
20 Claims. (Cl. 74—395)



1. A running adjusting means for a driven shaft adapted to be rotated by a gear comprising: a driving connection between said gear and said shaft including means for angularly adjusting said shaft with respect to said gear, and a housing sleeve secured to said gear; said angular adjusting means comprising an angular adjusting sleeve concentric within said housing sleeve and keyed to said shaft, and means interposed between said sleeves for changing the angular relation between said angular adjusting sleeve and said housing sleeve.

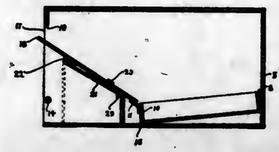
2,121,106
**SLIDABLE PARTITION**
Herbert H. Stevens, Jr., Lynn, Mass.
Application May 29, 1937, Serial No. 145,471
6 Claims. (Cl. 20—19)



1. A movable wall structure comprising a plurality of panels, a magazine adapted to receive said panels, means for guiding said panels from said magazine to their locations in said wall structure, means for moving said panels in said magazine into alignment with said guiding means while maintaining said panels in parallel positions, means operative to move said panels out of alinement and into parallel positions in said magazine as said panels enter said magazines, and means for operatively connecting adjacent panels together, so that the movement of one panel in said guiding means away from said magazine will cause another panel to be moved out of said magazine.

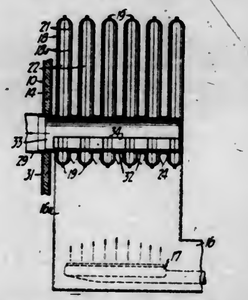
2,121,107
**TRAP NEST**
Fred C. Stone, Corvallis, Oreg.
Application February 26, 1936, Serial No. 65,874
1 Claim. (Cl. 119—49)

In a device of the class described, the combination of an enclosure being normally open on one of its ends, a laying nest hingedly disposed in the enclosure, a door hingedly secured to the laying nest, a support disposed transversely of the enclosure, the underside of said door resting upon the support and disposed so that the door counter-



balances and raises the nest, a stop disposed in the line of travel of the door to limit the downward movement of the door, a strut hingedly secured to the underside of the door and manually manipulative means for rendering the strut inoperative.

2,121,108
**HOT AIR FURNACE**
George A. Tuck, San Francisco, Calif.
Application March 5, 1937, Serial No. 129,219
4 Claims. (Cl. 126—99)

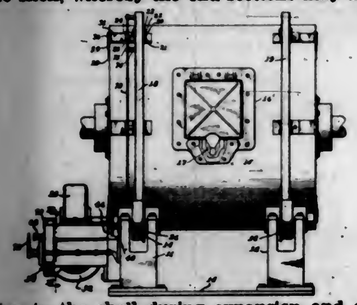


1. In a hot air heating furnace, a housing having a cold air inlet and a hot air outlet, a combustion chamber formed of metal walls and disposed within the housing, a series of heat transfer sections disposed in spaced side-by-side relationship within said housing, each of said sections being formed of spaced metal side walls defining an inner space for flow of hot gaseous products of combustion, means forming communicating connections between corresponding edges of said sections and said combustion chamber, the adjacent side walls of said sections being provided with aligned openings, aligned pipe sections serving to couple together the openings of adjacent sections, a flue pipe connection to one end section of the series, and a single slotted member disposed within said pipe sections, said member affording flow restricting communication between said flue pipe and each of said heat transfer sections.

2,121,109
**ELECTRIC FURNACE**
Claude M. Weinheimer, Detroit, Mich., assignor to Detroit Electric Furnace Company, Detroit, Mich., a corporation of Michigan
Application April 22, 1935, Serial No. 17,617
13 Claims. (Cl. 263—33)

1. A furnace having a shell structure including end sections, a lining for said shell defining a melting chamber, and deflectable lugs hingedly

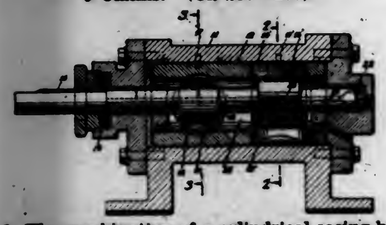
connecting the end sections at spaced intervals to the shell, whereby the end sections may move



relative to the shell during expansion and contraction due to temperature changes.

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2,121,110
**ROTARY PUMP OR COMPRESSOR**
Charles E. Yates, Lakewood, Ohio
Application May 27, 1935, Serial No. 23,579
6 Claims. (Cl. 230—177)

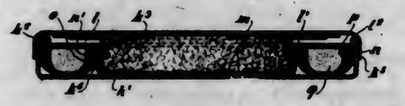


1. The combination of a cylindrical casing having end walls and a channel through one of said walls, a rotor within said casing having a cylindrical bore extending longitudinally therethrough and forming within said rotor an inlet passage in communication with said channel, said rotor having a plurality of chambers diametrically disposed therethrough, pistons in said chambers and extending across said bore, said pistons being so proportioned to said rotor that there is free opening from one end of said rotor to the other through said bore, said pistons being adapted to open communication from said bore to said chambers at the extremities of their strokes, means to reciprocate said pistons and rotate said rotor including a longitudinal shaft extending through said bore and eccentrically disposed therein, said shaft having eccentrics thereon journalled directly in said pistons, said shaft having a lubricant passage therein, means in said channel to restrict the movement of fluid to the incoming direction, said casing having discharge ports, means cooperative with said discharge ports to restrict the movement of fluid therethrough to an outward direction, a lubricant chamber, a pressure passage from said outlet ports to said chamber, and a second lubricant passage from said lubricant chamber through one of said end walls to said first lubricant passage in said shaft, said shaft having lubricant holes from said first lubricant passage to the bearing surfaces of said shaft.

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2,121,111
**VANITY**
Ralph W. Wilson, New York, N. Y.
Application February 20, 1936, Serial No. 64,857
2 Claims. (Cl. 132—82)

1. In a case for powder a false container therein having a trough for loose powder, a central opening to receive a puff in nested relation to said trough, liners for the walls of the trough, a closure plate for the powder engageable



with the edges of said liners, said closure plate having a central opening therein through which the puff may extend when the parts are in nested relation.

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2,121,112
**MEANS FOR CIRCULATING FLUID AROUND DRILL BITS**
John A. Zublin, Los Angeles, Calif.
Application August 28, 1937, Serial No. 161,484
10 Claims. (Cl. 255—71)



1. An earth boring tool comprising a shank provided with depending legs, bearing means carried by said legs, cutter mechanism rotatably supported by said means, and fluid discharge means on at least one of said legs in the region of its lower end, said discharge means being offset with respect to the axis of said bearing means.

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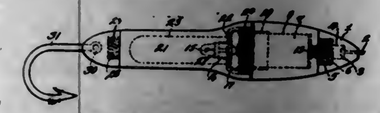
2,121,113
**GOLF TEE**
Lester Stewart Barr, Washington, D. C.
Application December 9, 1937, Serial No. 179,006
5 Claims. (Cl. 273—33)



1. A golf tee including in combination, a pin having one end pointed and the other enlarged and formed with a seat for a golf ball, a target pivoted to said pin for movement from a position perpendicular to the axis of said pin to a position substantially in the plane containing said axis, and the outer portion of said target being spaced from said axis a distance slightly greater than the radius of a golf ball.



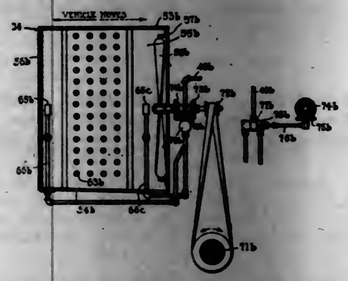
2,121,114
**FISH LURE**
George Beck, Irvington, N. J.
Application November 19, 1937, Serial No. 175,518
3 Claims. (Cl. 43—44)



1. An illuminated fish lure comprising a body through which light rays will pass, said body being formed from chambered detachably connected sections, a battery in the chamber of one of said sections, a conductor member encircling the battery within the battery section, a contact centrally of the battery, a lamp socket axially disposed within the chamber of the other section, a lamp in the socket and having a contact in the path of the battery contact, spring arms connecting the socket and the member encircling the battery and a shoulder within one of the sections in the path of the spring arms and adapted to flex them towards the battery when the sections are moved towards each other for closing the circuit between the battery and lamp.

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2,121,115
**CONDENSER SYSTEM FOR RAILWAY CARS**
John G. Bergdoll, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application March 6, 1935, Serial No. 9,680
6 Claims. (Cl. 257—25)



2. The combination of a vehicle having a brake pipe in which pneumatic pressure is developed; a water reservoir subject to static pressure derived therefrom; a surface condenser; means for passing air in heat exchanging relation with said condenser; means for humidifying said air, prior to contact with a portion of said condenser, comprising water spraying means operated by the static head on said water; and means responsive to condenser pressure and controlling the delivery of such water alternately to cause and suspend humidification as condenser pressure passes above and below a chosen value.

4. The combination of a vehicle adapted to travel in relatively reverse directions; a source of water under pressure head carried by said vehicle; a surface condenser exposed to air flow induced at least in part by motion of the vehicle; a pair of spray devices, one for humidifying air passing over the condenser in each direction of motion of the vehicle; and means responsive to direction of motion of the vehicle for delivering water from said source to said spray devices selectively.



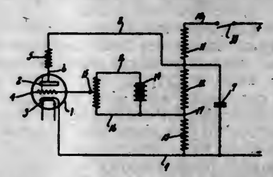
2,121,116
**SALT SHAKER**
Paul Beringer, Ballantine, Mont.
Application July 31, 1936, Serial No. 93,715
5 Claims. (Cl. 65—57)



1. In a device of the class described, an oval-shaped container having an open end and a perforated end, a stopper for the open end of the container, and means for opening and closing the perforated end of the container comprising, a tensioned push button extending from said stopper, a pair of shutters in said container fitting flat against the inner face of said perforated end and movable toward and from each other to open and close said end, respectively, pairs of interconnected links, the links of one pair being secured at one end to said shutters, and an operating connection between said push button and the links of the other pair.

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2,121,117
**ELECTRONIC TIMER**
Richard E. Conover, Deer Park, Ohio
Application March 18, 1935, Serial No. 11,548
12 Claims. (Cl. 250—27)



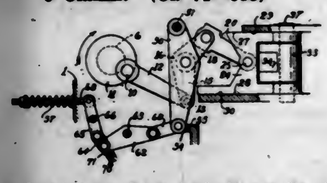
1. An electrical control circuit comprising an ignition controlled discharge tube having an anode, a cathode and a grid, said tube being of a type in which an electric discharge may be started in response to a predetermined electrical condition of the grid and in which the magnitude of the discharge is independent of the electrical condition of the grid, a condenser connected in parallel with the anode-cathode circuit of said tube, a resistor divided into two portions connected in parallel with said condenser, means for normally maintaining the grid of said tube at a negative potential with respect to its cathode, means for charging said condenser and creating a difference of potential across one of said resistors which is less than the difference of potential across said condenser, and means responsive to the change of potential across the portion of the resistor having a lower potential than the condenser for changing the potential of the grid with respect to its cathode to such a value that the discharge occurs in the tube, thereby causing a discharge of the condenser through the tube and immediately restoring the negative potential of the grid with respect to its cathode.

2,121,118
**BEVERAGE CONTAINER**
Bernard H. Cooper, Cleveland, Ohio
Application February 24, 1936, Serial No. 65,238
3 Claims. (Cl. 65—13)



2. An article of manufacture comprising a hollow container having a continuous peripheral wall provided with an upward extension at one side thereof, the extension having a drinking orifice formed therethrough, a relatively broad substantially flat surface formed on the extension about the orifice and adapted to be engaged by the lips of the user, and constituting part of a representation formed on the exterior of said extension, the breadth of the surface being sufficient to preclude any part of the device entering the mouth of the user while drinking therefrom.

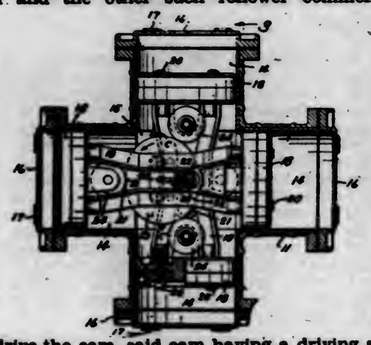
2,121,119
**GRIPPING MECHANISM**
William W. Criley, Cleveland, Ohio
Application February 9, 1937, Serial No. 124,869
6 Claims. (Cl. 74—585)



4. In a forging machine, including a die closing mechanism having a cross head mechanism movable in one direction along a given path for closing the dies, a driving bell crank member operatively connected with said cross head mechanism and arranged for oscillation to apply force in said direction to the cross head mechanism for moving the cross head mechanism in said direction consequent upon rocking of the bell crank about its pivotal axis, a carrier member movable in an opposite direction in a path generally parallel to the plane of oscillation of the bell crank and pivotally supporting the bell crank, means connected to the carrier member and yieldably opposing movement thereof in said opposite direction, and means for driving the bell crank member.

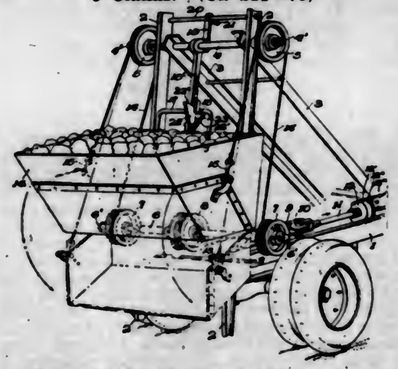
2,121,120
**FLUID METER**
Warren H. De Lancey, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application June 11, 1937, Serial No. 147,730
1 Claim. (Cl. 73—247)

In a meter, a shaft, a plurality of cylinders disposed radially of and about said shaft and arranged in opposing pairs, pistons one for each cylinder, each piston being rigidly interconnected with the piston in the opposing cylinder, pairs of cam followers one pair for and movable with each pair of connected pistons, a cam on said shaft between said pairs of followers and acted upon successively by said followers and rotated thereby to drive said shaft, the dimension of said cam taken on a line between its high and low points being substantially equal to the shortest distance between the followers of each pair, whereby when each pair of connected pistons reaches the end of the stroke no lost motion exists between its followers and the cam at the time when one such follower ceases to drive the cam and the other such follower commences



to drive the cam, said cam having a driving surface interconnecting said points on one side of said line for successive pressure engagement by the followers and a second surface interconnecting said points on the opposite side of said line for successively providing lost motion between each follower and the cam during an intermediate portion of the discharge stroke of its piston, and means for moving said cam on said shaft for calibration purposes to vary the volume displaced by each said piston.

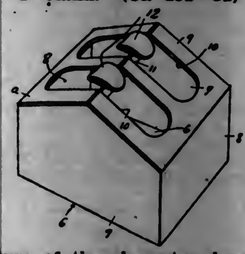
2,121,121
**TRANSPORTING AND DUMPING VEHICLE**
George R. Dempster, Knoxville, Tenn.
Application January 16, 1937, Serial No. 120,993
6 Claims. (Cl. 214—75)



1. The combination of a vehicle, an upwardly extending track or way thereon, a container adapted to travel up and down on said track or way, a rod extending across said track or way near the upper end thereof and with its ends projecting outward beyond the sides of said track or way, sheaves on said projecting ends and turning thereon as an axis, a revoluble shaft approximately vertically beneath said rod and with its ends projecting laterally beyond said track or way, a drum fixed on said shaft intermediate the sides of said track or way, two drums one fixed on each of the projecting ends of said shaft, cables wound on said two drums and passing over said sheaves, means connecting the ends of said cables to said container, a cylinder, piston and piston rod on said vehicle forward of said shaft, a sheave on the projecting end of said piston rod, a cable wound on said first mentioned drum and passing around the sheave on said piston rod and having one end secured to a part of the structure, and a source of fluid under pressure for said cylinder.

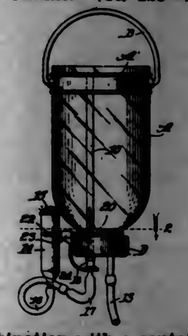


2,121,122
**ASHTRAY**
Jesse L. Dillen, Indianapolis, Ind.
Application February 1, 1937, Serial No. 123,531
1 Claim. (Cl. 131—51)



A structure of the character described comprising a receptacle having a removable top provided with an elongated slot therein, a member secured to the top, and a cigarette support on the said member, said cigarette support projecting from the members through the slot and supported above the slot entirely within the marginal limits of the slot.

2,121,123
**FILTERING MEANS FOR LIQUID CONTAINERS**
Eben W. Eriksen and Maurice M. Nesset, Glenview, Ill., assignors to Baxter Laboratories, Inc., a corporation of Delaware
Application June 3, 1936, Serial No. 84,214
12 Claims. (Cl. 128—214)



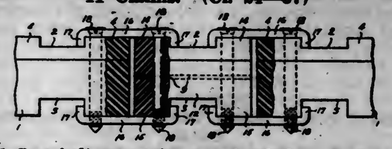
12. In combination with a container having an open neck closed by a plug, said plug having an air inlet opening and a liquid opening, a resilient seal extending over said openings, a hollow needle extending through said seal into said air inlet opening, and a member releasably engaging said container neck and provided with a depending arm supporting said needle.

2,121,124
**SWITCH**
Michael Faulkner, Weston, W. Va., assignor of one-half to W. R. Smith, Weston, W. Va.
Application July 15, 1937, Serial No. 153,835
2 Claims. (Cl. 200—14)



1. A switch comprising a base, a main shaft mounted to rotate on the base, an auxiliary shaft mounted to rotate on the main shaft, means under the control of an operator for rotating the shafts individually, a first conducting member rotatable with the auxiliary shaft and having an insulating space, a second conducting member rotatable with the main shaft and of less diameter than the first conducting member, the second conducting member having an insulating space, first contacts arranged substantially in a circle on the base and engaging the first conducting member, all but one of the first contacts being narrower than the insulating space of the first conducting member, and said one of the first contacts being long enough to bridge the insulating space of the first conducting member, second contacts arranged substantially in a circle of less diameter than that of the first-specified circle and engaging the second conducting member, all but one of the second contacts being narrower than the insulating space of the second conducting member, and said one of the second contacts being long enough to bridge the insulating space of the second conducting member, and means for supplying current to each of said longer contacts.

2,121,125
**BELT AND BELT CONNECTER**
Abraham L. Freedlander, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application January 14, 1937, Serial No. 120,555
11 Claims. (Cl. 24—37)



1. In a belt connecter, a pair of clamping members adapted to be secured to opposite ends of a belt, and a flexible inextensible connection between said clamping members comprising a length of flexible metal mesh having each of its ends secured to one of said clamping members.

2,121,126
**PRINT ROLL COMPOSITION**
Leander H. Harrison, New York, N. Y., assignor, by mesne assignments, to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 12, 1937, Serial No. 158,759
13 Claims. (Cl. 106—5.5)

1. A print roll composition containing a binder,

a softener and water, said softener comprising sorbitol and diethylene glycol, the sorbitol being present in an amount not less than 65% and not more than 85% of the total softener content.

2,121,127
**REFILLABLE FUSE**
James Langdon, Cleveland, Ohio
Application May 28, 1936, Serial No. 82,368
4 Claims. (Cl. 200—130)



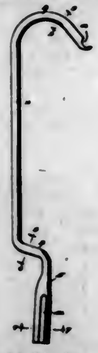
1. As a new article of manufacture, a removable insert in the nature of an auxiliary plug embodying a body of insulation material generally tapered in a longitudinal direction and flat on one side, a metal contact cap fitted on one end of said body, a contact ring fitted on the intermediate portion of the body, said body being provided with a longitudinal bore having its inner end directed laterally and opening through one face of said body, and a renewable filament electrically connected with said contact cap and ring, said filament bridging the laterally directed inner end of said bore.

2,121,128
**BAKED ARTICLE**
Kenneth D. Loose, Bronxville, N. Y., and Charles W. Watkins and Joseph W. Green, Dayton, Ohio, assignors to Loose-Wiles Biscuit Company, Long Island City, N. Y., a corporation of New York
No Drawing. Application January 14, 1935, Serial No. 1,610. In Canada December 15, 1934
2 Claims. (Cl. 99—90)

1. A new article of manufacture for the production of baked products consisting of an elongated thin strip of dough comprising a multiplicity of thin laminae of dough interleaved with thin laminae of enrichment material, said laminae being disposed in oblique folds relatively to said strip, the length of said strip being several times the width thereof.

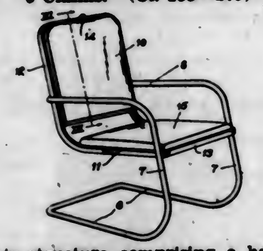
2,121,129
**DRIVE BELT APPLYING AND REMOVING TOOL**
Mackey K. Malone, Wills Point, Tex., assignor to K-D Manufacturing Company, Lancaster, Pa., a corporation of Pennsylvania
Application March 24, 1936, Serial No. 70,662
3 Claims. (Cl. 74—242.7)

1. A belt removing and replacing tool comprising a shank, a foot offset from the lower end portion of said shank, a downwardly inclined belt engaging and stretching removing shoulder connecting said shank and foot and having an operative face convexly curved in cross-section, and a belt engaging and stretching applying arm extending from the upper end portion of said shank and downwardly inclined away therefrom, the lower inner face of said applying arm being convexly curved in cross-section, said arm having a notch formed in its upper outer face portion closely adjacent its free end, said shank, foot, shoulder and arm all being integral and of substantially semi-spherical shape in cross-section, and said foot being twisted



through approximately 90 degrees about its axis and having its lower portion formed with substantially parallel plane faces functioning to resist a tendency of the tool to twist or turn bodily about its general axis during use in removing a belt.

2,121,130
**CHAIR**
William R. McGowen, Pittsburgh, Pa., assignor to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 26, 1937, Serial No. 150,457
6 Claims. (Cl. 155—178)



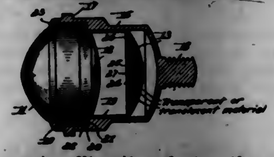
1. Chair structure comprising a base portion and seat and back members carried thereby, the said members including a channel frame member of elongated loop form the sides whereof are bent intermediate their ends to form seat and back bar portions, and being laterally yieldable, and seat and back cushions or the like having their side edges insertible into the channels of the seat and back bar portions when such portions are sprung apart.

2,121,131
**PRINT ROLL COMPOSITION**
James T. Power, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 16, 1936, Serial No. 80,203
12 Claims. (Cl. 106—5.5)

1. A print roll composition containing a binder, a softener and water, said softener comprising sorbitol and glycerine, the sorbitol being present in an amount of from 30 to 75% by weight of the total softener content.

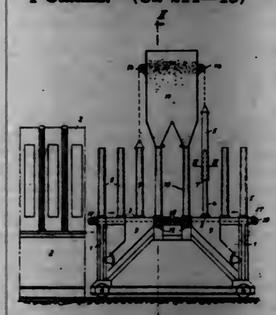


2,121,132
**LIGHT REFLECTING MEANS**
Charles Daniel Ryder, Covington, Ky., assignor to The National Colortype Company, Bellevue, Ky., a corporation of Kentucky
Application May 12, 1936, Serial No. 79,299
28 Claims. (Cl. 40—130)



24. In an autocollimating device, the combination of a refractory element having a convex objective plane and a reflector element arranged opposite the said objective plane impinged by light rays projected against the said refractory element and focused therethrough, coatings of translucent material of varied colors in zones applied to the said reflecting element, each of said varied colors singularly producing rays of varied hues in zones.

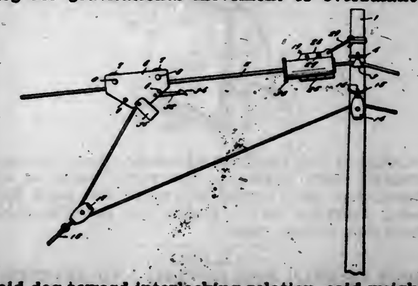
2,121,133
**FURNACE CHARGING DEVICE**
Carl Still, Recklinghausen, Germany
Application July 6, 1935, Serial No. 30,144
In Germany July 7, 1934
4 Claims. (Cl. 214—18)



1. Apparatus for charging horisontal chamber ovens, comprising a charging machine, a base plate removably supported on the machine, a plurality of carbonizing retorts carried by and arranged in a line along said base plate, said base plate adapted to be moved with the retorts carried thereby in a longitudinal direction with respect to the line of retorts from the charging machine into and out of a chamber oven, and means for moving the base plate and retorts laterally upon the charging machine for placing said retorts in proper positions on the machine for simultaneous charging or discharging of said retorts.

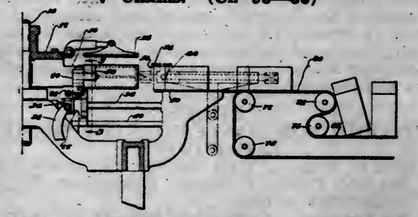
2,121,134
**LOGGING RIG**
Carl Terner, Olympia, Wash.
Application November 15, 1937, Serial No. 174,703
1 Claim. (Cl. 212—92)

In a rig of the class described, the combination with an overhead inclined cable, an upright supporting the cable at the high end thereof, and a carriage traveling on the cable, of means for locking the carriage to the upright against retrograde movement including a bumper member on the cable at the high end thereof and anchored to the upright, a pivoted locking dog on said carriage vertically movable into and from interlocking relation with said bumper, a weight pivoted on the carriage and operatively connected to the dog for gravitational movement to overbalance



said dog toward interlocking relation, said weight being swingable against the influence of gravity to move the dog from interlocking relation, and a pull line connected to the carriage to propel the same toward the high end of the cable and engageable with the weight under the pull exerted thereagainst to swing the latter against the influence of gravity.

2,121,135
**CARTON FORMING MACHINE**
John G. Vergobbi, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application December 31, 1936, Serial No. 118,445
7 Claims. (Cl. 93—36)

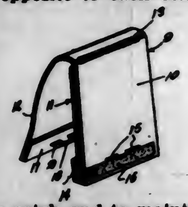


1. In a carton forming machine, in combination, a forming block having longitudinally extended grooves in a plurality of the surfaces thereof for reducing the area of contact between the block and a carton formed thereon, said grooves forming relatively narrow bearing surfaces for the carton, means for heat sealing the carton while supported on the block, and means projecting into some of the grooves and movable longitudinally thereof for stripping the carton from the block.

2,121,136
**SAFETY MATCH FOLDER**
William Wallace, Chicago, Ill.
Application July 12, 1937, Serial No. 153,242
1 Claim. (Cl. 206—29)

A safety match folder comprising a sheath embodying a backing panel having an end turned in to form a pocket, a battery of matches having one end inserted in said pocket end attached to the backing panel, a cover flap hingedly attached to said back panel and covering the matches, the free end of said cover panel being formed with an inturned reinforcing flange, a substantially U-

shaped catch, said catch having end portions passing through the flanged end of said cover panel, the terminals thereof being bent laterally in directions opposite to each other to prevent



rocking of the catch and to maintain it at substantial right angles to the cover panel at all times, and said turned in end of the back flap being provided with a keeper slot for removable reception of said catch.

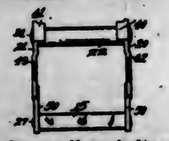
2,121,137

**BELT CRADLE FOR ROVING AND SPINNING FRAMES**

**George West, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts**

**Application March 26, 1937, Serial No. 133,228**

**10 Claims. (Cl. 19—131)**



1. A cradle for endless belts in a roving or spinning frame comprising a side plate, a cross stud fixed thereto, a second side plate movably mounted on the outer end of said cross stud, a pair of guide-bars each secured in one of said side plates and having locating engagement with the other side plate, and means to hold said parts in operative relation.

2,121,138

**METHOD FOR MANUFACTURING SMOKELESS POWDER**

**David B. Wiggam, West Chester, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware**

**No Drawing. Application January 11, 1937, Serial No. 120,643**

**12 Claims. (Cl. 52—22)**

1. The method of producing dense, colloided smokeless powder which includes admixing fibrous nitrocellulose wet with water with nitroglycerine emulsified in water containing a water-soluble hydrophilic colloid in solution.

2,121,139

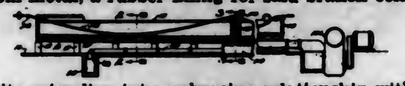
**PICKLING TANK STRUCTURE**

**Julius A. Clauss, Detroit, and Donald E. McGuire, Wyandotte, Mich., assignors to Great Lakes Steel Corporation, Ecorse, Mich., a corporation of Delaware**

**Application May 17, 1937, Serial No. 143,074**

**6 Claims. (Cl. 266—7)**

1. In combination, a plurality of pickling tanks arranged in end to end and spaced relation, each of said tanks being formed from metal, a rubber lining for each of said tanks extending in embracing relation with respect to the marginal edges thereof, a conduit extending below said tanks, said conduit being formed from metal, a rubber lining for said conduit, branch conduits extending from the first mentioned conduit upwardly therefrom between the adjacent ends of adjacent said tanks and removably suspended from the upper edge portions of the ends of the said adjacent tanks, said branch conduits being formed from metal, a rubber lining for said branch con-



duits extending into embracing relationship with respect to the upper ends of said branch conduits, hood means overlying said tanks and said branch ducts, and means for withdrawing air through the first mentioned conduit.

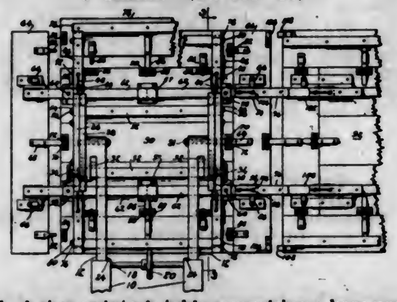
2,121,140

**SIGN PAINTER'S TABLE**

**George R. Cole, Port Huron, Mich.**

**Application January 15, 1937, Serial No. 120,656**

**3 Claims. (Cl. 311—52)**



1. A sign painter's table comprising a base provided with a pair of transverse supports, a table top sub-frame element superimposing in alignment each transverse support and projecting beyond each end thereof, guide means depending from each sub-frame element adjacent to each end thereof beyond the end of its transverse support, means detachably connecting each sub-frame element with its transverse support, a table top detachably secured to the sub-frame elements, a pair of end extensions for each sub-frame element, each end extension having one end portion adapted to be received within the guide means at such end of the sub-frame element underneath said sub-frame element, and having its opposite end portion adapted to abut against the end of the sub-frame element and form an aligned extension thereof, means detachably securing each end extension to its sub-frame element within said guide means, a table top wing supported upon the end extensions at the top of the table top, a table top wing supported upon the end extensions at the bottom of the table top and means detachably securing each table top wing to its supporting end extensions.

2,121,141

**ELECTRICAL POWER INDICATING APPARATUS**

**Owen E. De Lange, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**

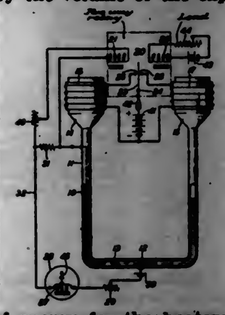
**Original application February 1, 1936, Serial No. 61,882. Patent No. 2,097,146, dated October 26, 1937. Divided and this application February 26, 1937, Serial No. 127,878**

**4 Claims. (Cl. 171—95)**

1. In an electrical indicating apparatus, the combination comprising a load, an indicating circuit including in series an indicator, a source of energy, a resistance element and a liquid contact immersing the resistance element; a tube containing the resistance element and liquid con-



tact and terminating in a sealed bulbous portion on each of two opposite ends, an expansible fluid in each bulbous portion to vary the immersion of the resistance element in the liquid contact, a heater disposed on each bulbous portion to vary the volume of the expansible fluid,



a source of energy for the heaters, and means connected to the load and indicating circuit and responsive to variations in the load to connect one of the heaters to the source of energy associated therewith to vary the resistance in the indicating circuit and thereby the readings of the indicator.

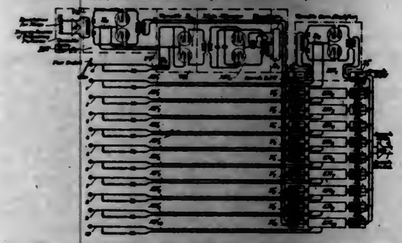
2,121,142

**SYSTEM FOR THE ARTIFICIAL PRODUCTION OF VOCAL OR OTHER SOUNDS**

**Homer W. Dudley, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York**

**Application April 7, 1937, Serial No. 135,416**

**20 Claims. (Cl. 179—1)**



1. The method of producing vocal and other sounds containing variable information and invariable information and represented by a complex wave, which consists in manually producing a set of parameters having approximately the number of degrees of freedom of the variable elements of the sound to be produced, producing artificially waves which have a discrete frequency spectrum to represent the invariable information of a voiced sound and which have a continuous frequency spectrum to represent the invariable information of an unvoiced sound, and combining effects of said artificially produced waves and said parameters.

2,121,143

**METHOD OF FEEDING MOLTEN GLASS**

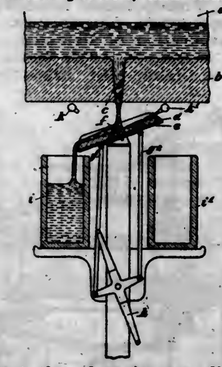
**Bernhard Engels, Waldenburg-Altwasser, Germany**

**Application August 3, 1935, Serial No. 34,592**

**In Germany August 6, 1934**

**4 Claims. (Cl. 49—77)**

1. The method of feeding molten glass which consists in directing a continuous stream of molten glass upon the central portion of a surface extending in directly opposite directions from said central portion, and tilting the sur-



face to deflect the glass in one direction and then in the opposite direction.

2,121,144

**BRACKET**

**Joseph Fischer, New York, N. Y.**

**Application December 2, 1937, Serial No. 177,675**

**2 Claims. (Cl. 248—226)**



1. A bracket comprising a casing provided with a wall spaced therefrom to receive a support therebetween, means to affix said casing to said support, said means including a plate slidable in said casing, and adapted to abut said support, a threaded rod carrying said plate, means cooperable with said rod and said casing to move said plate toward or away from said support without rotation of said rod, and a lock nut threadedly engaged on said rod and provided with a portion cooperable with the outer surface of said casing to lock said rod against rotation.

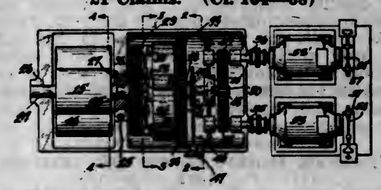
2,121,145

**FLYING SHEAR**

**Gustaf L. Fisk, New York, N. Y.**

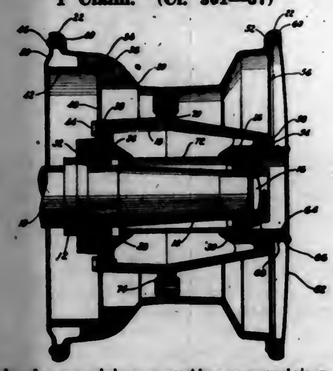
**Application February 8, 1936, Serial No. 62,910**

**21 Claims. (Cl. 164—68)**



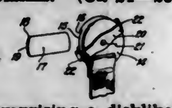
1. The method of operating rotary cutting mechanism, forming part of a cutting train, by a planetary gear which is revolved about a sun gear fixed in use, which consists in interposing a cyclic speed changing transmission between the planet and a rotary part of the cutting train and in angularly shifting the sun gear to a new fixed position in order to cut at a speed corresponding to a new part of the speed cycle.

2,121,146
**WHEEL**
Frederick C. Frank, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 14, 1932, Serial No. 598,869
1 Claim. (Cl. 301—37)



A wheel comprising a casting comprising a hub and a rim, a tire retaining flange on the rim having an annular shoulder, a grease cup fitted in the end of the hub, a fairing retaining the grease cup in the hub, and having its periphery seated on the annular shoulder on the tire retaining flange, and means carried by the fairing for retaining the fairing and grease cup against displacement.

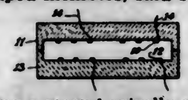
2,121,147
**CLASP**
David M. Goodrich, New York, N. Y.
Application July 11, 1936, Serial No. 90,069
6 Claims. (Cl. 24—263)



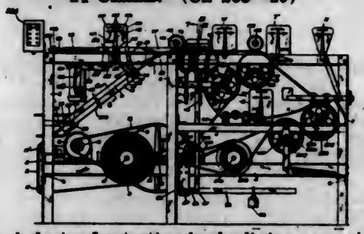
3. A clasp comprising a disklike body member having a recess provided in one face thereof and extending entirely thereacross, the opposed walls of said recess being parallel and undercut, a key member slidable into said recess from either end thereof and being of a length to extend the length of said recess, said key member having parallel beveled side edges for coacting engagement with the undercut walls of said recess, and a locking member pivoted centrally to the other face of said disklike body member and provided with inwardly extending elements at the ends thereof which overlie the peripheral edge of said disklike body member for movement to a locking position in lapping relation to the ends of said recess to prevent accidental sliding of said key member relative to said body member.

2,121,148
**REACTANCE INDEPENDENT OF TEMPERATURE**
Gerhard Hagen, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 21, 1934, Serial No. 721,834
In Germany April 21, 1933
1 Claim. (Cl. 175—360)

An electrical transformer having primary and secondary windings, a pair of cup-shaped co-operating members composed of insulating material and adapted to form a closed chamber having inner surfaces, said primary winding comprising a spirally wound ribbon of conducting material secured on the inner surface of one of said cup-shaped members, said secondary winding comprising a second spirally wound ribbon of conducting material secured on the inner surface of the other of said cup-shaped members, said two windings being in coupling relationship within said chamber, said chamber being filled with an inert gas to thereby prevent oxidization of the conducting material.

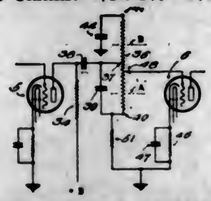


2,121,149
**BRAKE LINING TESTING MACHINE**
William S. James, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application January 26, 1929, Serial No. 335,178. Divided and this application March 8, 1935, Serial No. 9,929
14 Claims. (Cl. 265—10)



6. A device for testing brake lining comprising, a support, means for progressively moving the lining relative to said support, means to determine the "bleeding" of the lining including a heated casing through which the lining is passed, means resisting the movement of the lining for stretching the same, means for maintaining the lining heated while it is being stretched, and means for measuring the length of the lining after the "bleeding" operation while it is still stretched.

2,121,150
**TONE CONTROL SYSTEM**
Kenneth W. Jarvis, Chicago, Ill., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application June 22, 1934, Serial No. 731,989
6 Claims. (Cl. 179—171)



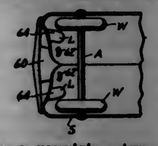
5. A tone control device comprising the combination of a resistor, means for impressing audio frequency potentials covering a band of frequencies on an intermediate point of said resistor, a vacuum tube amplifier having a cathode, grid and plate, an output circuit connected to said plate, a connection between said cathode and ground, a tap adjustable along said resistor and connected to said grid, a second resistor connected between the lower end of said first named resistor and ground and a condenser having one side directly connected to the upper end of said resistor and its other side directly connected to ground.



2,121,151
**OIL FOR WITHSTANDING HIGH BEARING PRESSURES AND METHOD OF MAKING THE SAME**
Charles H. Karns, Pittsburgh, Pa., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 2, 1934, Serial No. 723,595
20 Claims. (Cl. 87—9)

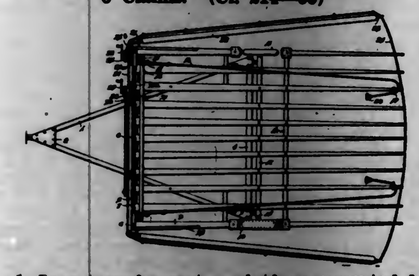
1. A method for producing improved lubricating oils comprising, subjecting a high quality lubricating oil base to mild oxidation to increase its solvency for lead soaps and adding a lead soap and then a sulfurizing agent uncombined with the lead of the lead soap.

2,121,152
**VEHICLE TOY**
Eric E. Knutson, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application December 7, 1937, Serial No. 178,460
12 Claims. (Cl. 46—221)



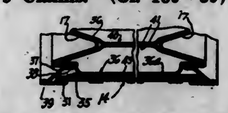
4. A toy vehicle comprising two or more parts assembled together by tongue and slot connections, an axle passing through and carried by the side walls of the vehicle, the ends of said axle being riveted outside the said walls of the vehicle to hold the axle in place, a plurality of solid wood wheels freely rotatably mounted on said axle inside said side walls, and means to hold said wheels apart and near the side walls of the vehicle, said means comprising two of the aforesaid tongues having the ends thereof bent to a position at the inner side walls of the wheels.

2,121,153
**TRANSFER CART**
George Konicek, Bruce Township, Benton County, Iowa
Application June 3, 1937, Serial No. 146,232
6 Claims. (Cl. 214—86)



1. In a transfer cart, a platform mounted for transportation, and tiltable controllably rearwardly, the platform having laterally hinged side-bars at the front to swing to and fro outwardly, and flexible means mounted on and along the side-bars to cross the rear of the platform, with means for exercising traction upon the flexible means controllably to encompass an load on the platform and retain it thereon adjustingly.

2,121,154
**HANDBAG**
Aaron Landis, Elizabeth, N. J.
Application April 24, 1937, Serial No. 138,723
9 Claims. (Cl. 150—30)



1. A device including a handbag comprising a pocket having at least one wall thereof consisting substantially of woven celluloid strips of a thickness between approximately 0.005 inch and 0.012 inch as minimum and maximum thicknesses, said handbag including a securing portion, adhesive backing elements interconnecting the strips adjacent to the ends thereof, and stitching passing through and interconnecting the said securing portion, the backing elements and the strips, and the backing elements having adhesive engagement with the securing portion beyond the adjacent ends of the strips.

2,121,155
**BASKET-TYPE FLOOR MERCHANDISER**
James Lawler, New York, N. Y., assignor to Hazard Advertising Corporation, New York, N. Y., a corporation of New York
Application November 2, 1935, Serial No. 47,962
3 Claims. (Cl. 248—174)

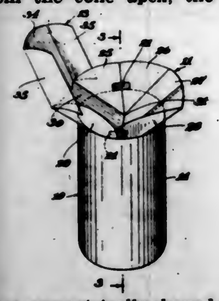


1. A basket-type floor merchandiser comprising a knock-down cardboard structure composed of a cylindrical pedestal element having an open upper end, and an independent conical element adapted to accommodate a jumble of merchandise and concentrically supported on the rim of said pedestal with its apex extending downwards into the pedestal; said conical element completely closing the open upper end of the pedestal element and having an apex angle of approximately 90°; each of said elements being formed of sheet stock and being collapsible into a substantially flat condition.

2,121,156
**BASKET-TYPE FLOOR MERCHANDISER**
Nathan Joseph Leigh, Great Neck, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware
Application November 2, 1935, Serial No. 47,967
4 Claims. (Cl. 248—174)

1. A basket-type floor merchandiser comprising a knock-down cardboard structure composed of a cylindrical pedestal element having an open upper end, and a substantially conical element adapted to accommodate a jumble of merchandise and concentrically supported on the rim of said pedestal with its apex extending downwards into the pedestal, said pedestal having upstanding ears on its upper rim, and said conical element

having slots to receive said ears therethrough, said conical element being formed of sheet stock and comprising six hingedly connected sectors, each of two adjacent sectors being substantially triangular with their apexes coinciding at a point spaced from the cone apex, the two opposite



sectors being symmetrically shaped and arranged, and each of the remaining two sectors being trapezoidal, whereby the element may be collapsed into substantially flat condition by doubling each triangular pair inwardly along the common hinge axis, and thereupon doubling the trapezoidal sectors along the common hinge line.

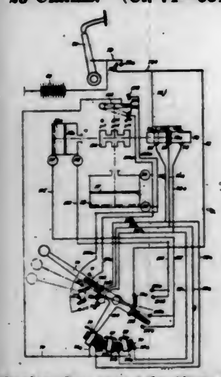
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2,121,157

**PRESELECTOR DEVICE FOR CONTROLLING SLIDING PINION GEAR BOXES**

**Maurice Lempereur and Charles Vincent, Brussels, Belgium, assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware**

**Application March 7, 1935, Serial No. 9,854**
**In Belgium March 12, 1934**
**23 Claims. (Cl. 74—334)**



1. In a device for pre-selecting gear ratios in gear boxes of the sliding pinion type for automobile vehicles, the combination with the striker rods and sliding pinions, and a pedal actuating the clutch device, of a plurality of shifting members for controlling said sliding pinions, double acting, fluid motors for actuating said shifting members, electro-magnetic valves for controlling the fluid admitted into said fluid motors, a manually operable electric controller for said valves comprising fixed contacts for each shifting position, a movable contact adapted to engage any one of said fixed contacts, elastic means acting in either direction of displacement of said shifting members to return the latter in neutral position and to maintain them under a positive elastic tension, reversing electric means controlled by the displacement of the shifting members, locking means for said shifting members controlled by the clutch pedal, locking means independent from said first locking means to prevent a simultaneous movement of two striker rods, a source of current, and a switch actuated by the clutch pedal, to connect said source of current to the electric circuit when said pedal is actuated.

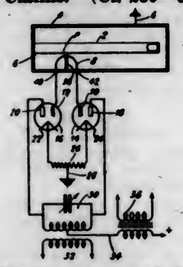
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2,121,158

**OSCILLATION GENERATOR**

**Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware**

**Application February 21, 1935, Serial No. 7,473**
**Renewed March 8, 1937**
**24 Claims. (Cl. 250—36)**



19. In combination, a tuned high frequency circuit comprising a pair of concentric conductors coupled together at one of their ends more closely than at their other ends, a circuit adapted to have instantaneous currents of opposite polarity in two portions thereof, and means coupling said two portions in phase opposition to said tuned circuit near said one end.

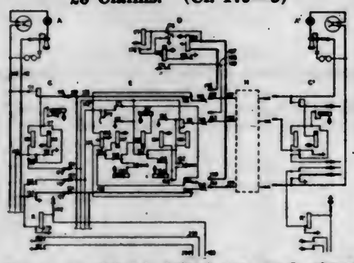
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2,121,159

**TELEPHONE SYSTEM**

**Clarence E. Lomax, Oak Park, and John H. Voss, Downers Grove, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware**

**Application November 23, 1936, Serial No. 112,190**
**28 Claims. (Cl. 179—5)**



1. In a combined telephone and signalling system, a central exchange, a plurality of subscribers' lines extending to said exchange, means included in said exchange and controlled over a calling one of said subscribers' lines for establishing a telephone connection between said calling subscriber's line and a called subscriber's line, code transmitting equipment included in said exchange and comprising a plurality of finder switches, an alarm relay associated with each of said subscribers' lines, means controlled over any calling one of said subscribers' lines for operating the alarm relay associated with the calling line, means responsive to the operation of said alarm relay for initiating the operation of said code transmitting equipment, an alarm circuit extending to said exchange, and means controlled by said code transmitting equipment for transmitting over said alarm circuit a code identifying the calling subscriber's line.



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2,121,160

**METHOD OF PREPARATION AND USE OF METALLIC OXIDES AND SOLID FUELS**

**Charles Campbell Merfit, Brooklyn, and Ralph H. Sweetser, New York, N. Y.**

**No Drawing. Application March 10, 1934, Serial No. 714,998**
**3 Claims. (Cl. 75—40)**

1. In the process of refining metal oxides the step which consists in forming a pulverulent mixture comprising principally metal oxide ore, activated carbon and flux into briquets under a pressure of 30,000 to 40,000 lbs. per sq. in.

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2,121,161

**BRUSH**

**Curt Neufeld, Fairview, N. J.**

**Application July 9, 1935, Serial No. 30,450**
**5 Claims. (Cl. 42—91)**



1. A brush as characterized, comprising a substantially cylindrical head, clusters of bristles projecting from the cylindrical surface of said head, said clusters of bristles being arranged to project in longitudinal series the end clusters of each series toward one end of the head being substantially equally spaced around the head and constituting points through which pass theoretic parallels to the axis of the head on the cylindrical surface of said head, said series being angular with respect to said parallels with the clusters having substantially equal spacing from each other within a series as the spacing between the clusters of one series and the next, and each series starting upon one of said parallels which crosses a next adjacent series substantially midway of the length of said adjacent series.

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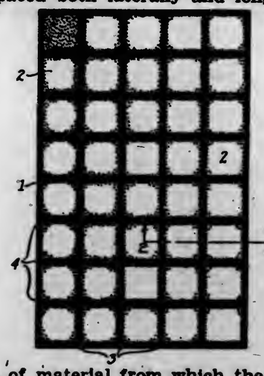
2,121,162

**TOWEL**

**John A. Riley, Toledo, Ohio**

**Application March 24, 1937, Serial No. 132,751**
**2 Claims. (Cl. 139—391)**

1. A complete, finished towel, the obverse and reverse faces of which are the same, all four edges of the towel being finished, ready for use, said towel having similar rectangular sections of looped, moisture absorbing fabric such as "terry cloth" spaced both laterally and longitudinally



by strips of material from which the loops are omitted, said strips running parallel to the edges of the towel and being sufficiently wide to permit hemming when the towel is cut to form smaller rectangular units of towelling.

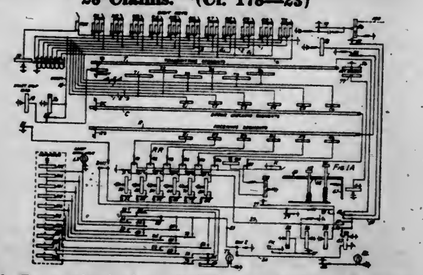
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2,121,163

**START-STOP DISTRIBUTOR SYSTEM**

**Harold C. Robinson, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware**

**Application July 10, 1933, Serial No. 679,652**
**Renewed August 24, 1934**
**28 Claims. (Cl. 178—23)**



1. In a start-stop distributor system wherein a receiving distributor is operated in synchronism with a transmitting distributor for each rotation thereof during the transmission of codes, and means associated with the receiving transmitter for transmitting back to the transmitting distributor the same identical code which it received from the transmitting distributor during a single synchronous rotation of said distributors.

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2,121,164

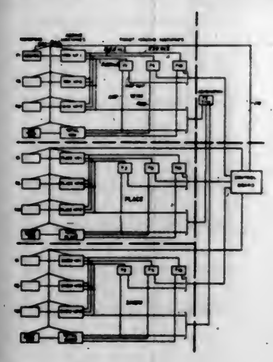
**TOTALIZING SYSTEM**

**Harold C. Robinson, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware**

**Application July 13, 1934, Serial No. 734,940**
**14 Claims. (Cl. 235—92)**

1. In a totalizing system, a plurality of groups of marking conductors each conductor of which has one end terminating in a different ticket issuing machine arranged to place marking potential thereon when actuated to issue a ticket, an

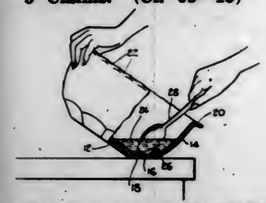
adding machine, means for sequentially associating said groups of conductors with said adding machine one complete group at a time, and means in said adding machine arranged to simultaneously test all of said conductors of a



group and consecutively set up registrations in said machine in accordance with the accumulated value of the tickets to be issued by the ticket issuing machines of such group as determined by the conductors thereof having marking potential thereon.

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2,121,165
**MIXING BOWL**
Simon H. Slobodkin, New Rochelle, N. Y.
Application March 10, 1936, Serial No. 68,011
5 Claims. (Cl. 65—15)

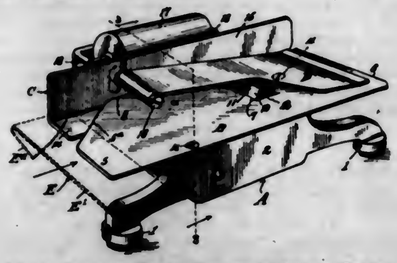


4. A dished open-topped relatively thick-walled mixing bowl having bottom and side walls and a plurality of flat angularly disposed facets extending about the lower periphery at the junction of said bottom and side walls, whereby said bowl may be held relatively stably on one of said facets when mixing or beating the contents thereof, the inner wall of said bowl being smoothly curved and continuous and the flat facets being formed by differences in the thickness of the wall of the bowl.

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2,121,166
**ENVELOPE MOISTENER AND SEALER**
Robert C. Flynt, Winston-Salem, N. C., assignor of two-fifths to Forrest G. Miles, Winston-Salem, N. C.
Application June 3, 1937, Serial No. 146,282
10 Claims. (Cl. 120—6)

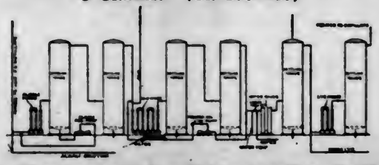
1. In an envelope flap moistening device, the combination of a plate having an entrance end and an exit end and a transverse opening therein intermediate said ends; a moistening member on one side of the plate between the entrance end thereof and said opening; and an inclined flap-return guide extending from the transverse edge of said opening nearest the exit end of the plate toward the entrance end thereof and toward said moistening device.



10. In an envelope flap moistening device, a moistening bath reservoir, a moistening flap supported above the reservoir and having a free end dangling in the moistening bath, and an envelope supporting slideway over the reservoir cooperatively positioned relative to said flap whereby each envelope flap moved over the slideway will lift the flap out of the bath, receive moisture from said flap and then release the flap to allow it to fall into said bath.

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2,121,167
**ACID TREATMENT OF PETROLEUM OILS**
Leslie U. Franklin, Sweetwater, Tex., assignor, by mesne assignments, to Gulf Oil Corporation, a corporation of Pennsylvania
Application February 4, 1935, Serial No. 4,930
5 Claims. (Cl. 196—40)



1. The process of refining gasoline distillate, which comprises washing such distillate with sulfuric acid in the presence of previously added refined oil of like character, removing acid sludge constituents from the treated oil, and adding a portion of the thereby purified oil as the aforesaid previously refined oil to a further quantity of oil prior to refining the resultant mixture as aforesaid, whereby acid-treating losses of the oil being refined are reduced due to the presence of the previously refined oil in the acid-treating stage.

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2,121,168
**WEARING APPAREL**
James R. Hibshman, Cleveland Heights, Ohio, assignor to Harold V. Ensten
Application March 10, 1937, Serial No. 130,059
12 Claims. (Cl. 2—90)

8. A wearing apparel comprising a continuous strip shaped to form a vest, said strip having a central generally V-shaped portion and two extension portions angularly connected to the ends of the central portion, the intermediate part of the central portion fitting the back below the neck and the shoulders and the remaining part of the central portion fitting over each shoulder and downwardly over the upper part of the chest, the part of the strip in the region where each of said extension portions is respectively connected to the ends of the central portion fitting a lower part of the chest, the remaining part of each of said extension portions passing under



the arms respectively and being connected to each other.

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2,121,169
**PROCESS OF CONTACTING HYDROCARBON VAPORS WITH AMMONIUM PENTACHLORODIZINCATE**
Franklin E. Kimball, Los Angeles, Calif.
No Drawing. Application March 26, 1937, Serial No. 133,262
4 Claims. (Cl. 196—36)

1. In the contacting of hydrocarbon vapors with a treating-mixture containing ammonium pentachlorodizincate and ammonium chloride, the step which comprises contacting said vapors with a fused mixture containing sufficient ammonium pentachlorodizincate to prevent separation of ammonium chloride and sufficient ammonium chloride to prevent separation of ammonium pentachlorodizincate at a temperature above said treating-mixture fusion-temperature and at a temperature below 480 degrees Fahrenheit.

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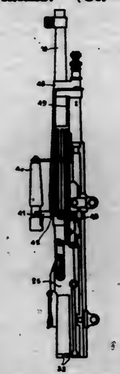
2,121,170
**PROCESS FOR MANUFACTURING AN ENDLESS FILM RECORD FOR SOUND REPRODUCTION**
Shozo Konishi, Kami-Mura, Japan
Application June 23, 1937, Serial No. 150,007
In Japan October 13, 1936
1 Claim. (Cl. 18—48.3)



A process for manufacturing endless film records for sound reproduction, comprising combination of a step which consists of loosely fitting a thin cylinder made of a plastic material in a metallic cylinder which is provided with a matrix of sound grooves spirally fitted on its inner surface, expanding a flexible bag inserted in the plastic cylinder so as to press the latter against the wall of the metallic cylinder while the latter is being heated so that the grooves of the matrix are transferred to the wall of the plastic cylinder, and helically cutting the latter into a long strip; and another step which consists of cutting the ends of the strip aslant in thickness leaving a short blank part on either end, spirally winding the strip in turns, overlapping the aslant cut ends of the strip, putting a paste between them so as to register an end of each sound groove at an end of the strip with an end of the next groove at the other end of the strip, and pressing the overlapped part with a retouching die while the part is being heated.

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2,121,171
**BARREL FASTENING MEANS**
René Laloux, Brussels, Belgium
Original application August 17, 1935, Serial No. 36,740. Divided and this application May 1, 1936, Serial No. 77,426. In Belgium August 21, 1934
2 Claims. (Cl. 42—75)



1. A machine gun or similar firearm comprising a barrel provided with an extension at the breech end thereof, a breech casing provided with a socket to receive said extension, said socket having a portion of larger diameter than said barrel extension provided with broken internal screw threads, the external surface of said barrel extension having continuous screw threads formed thereon, a ring threadedly mounted on said barrel extension, said ring having broken threads on the exterior thereof adapted to cooperate with the broken threads in said socket to permit axial insertion of the ring in said socket and to retain the ring therein upon relative rotary movement between the ring and socket, a carrying and actuating handle on said ring, the exterior surface of said breech casing having a series of notches formed thereon, and a pawl mounted on said handle and adapted to engage one of said notches on the exterior of the breech casing to secure the ring in adjusted rotary positions.

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2,121,172
**HEEL AND ITS ATTACHMENT TO SHOE**
Fred C. Lovejoy, St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 22, 1936, Serial No. 97,333
9 Claims. (Cl. 12—147)



1. A shoe having a short outsole, and a heel having at the upper portion of its breast a lip which is of considerably less width than the breast of the heel and which extends a substantial distance forward of said breast and is located between the rear end portion of the short outsole and the shoe bottom, said heel also having in the upper portion of its breast a channel within which the rear end portion of said outsole is received, one wall of said channel being formed by said lip and the other wall of the channel extending from

one side of the attaching face of the heel to the other and providing a firm support for the rear end portion of the short outsole.

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2,121,173
**VEGETATION BEARING CELLULAR STRUCTURE AND SYSTEM**
William Mathew Macpherson, Arlington, Va.
Application April 4, 1938, Serial No. 199,940
10 Claims. (Cl. 47—33)



1. The method of providing vegetation-bearing structural surfaces that includes the steps of erecting a rigid integrated series of contiguous exposed tegular cells fabricated of sheet material, and removably fitting said cells with vegetation-supporting inlays provided with growing vegetation.

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2,121,174
**WINDOW SCREEN**
William H. Maynard, Winooski, Vt., assignor to Porter Screen Company, Winooski, Vt., a corporation of Vermont
Application February 4, 1937, Serial No. 124,157
7 Claims. (Cl. 156—14)

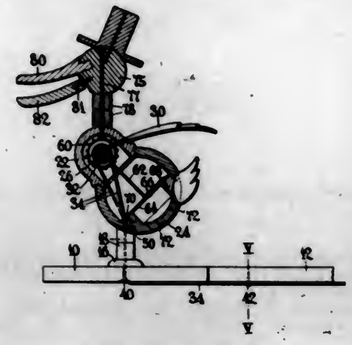


1. A window screen comprising side and end frame members fastened together at their corners to form a substantially rectangular opening therebetween, each of said side frame members having a depressed surface formed in one face thereof, said surface extending between said end frame members along the adjacent side of said rectangular opening, a substantially rectangular fabric panel filling said rectangular opening, normally bowed longitudinally resilient means extending along substantially the entire length of said depressed surfaces and engaging the marginal longitudinal surfaces of said fabric panel and exerting pressure thereon to hold the opposite surfaces thereof in engagement with the adjacent depressed surfaces of the side frame members, and means for detachably securing the ends of said resilient means in the end frame members.

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2,121,175
**TOY**
Edward S. Savage, Rochester, N. Y.
Application November 30, 1937, Serial No. 177,276
22 Claims. (Cl. 46—118)

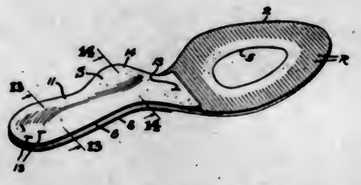
14. A toy comprising a base member, a body, a collapsible supporting means between the body and the base permitting the body to droop or recline and comprising a plurality of supporting elements each formed of a plurality of abutting sections forming the sole supporting means for the body on the base member, and flexible connections passed through said sections and being guided on the base and provided with projecting portions through which the connections may be tensioned and untensioned, a member mov-



ably mounted upon said body, and means connecting said movable member and said flexible connections, whereby relative movements between said flexible connections actuate said movable member independently of said tensioning and untensioning movements.

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2,121,176
**PROCESS OF MAKING AND APPLYING AN ARCH SUPPORT FOR SHOES**
Simon Shain, Haverhill, Mass., assignor to Samuel Winer, Swampscott, Mass.
Application May 17, 1937, Serial No. 143,189
2 Claims. (Cl. 12—146)

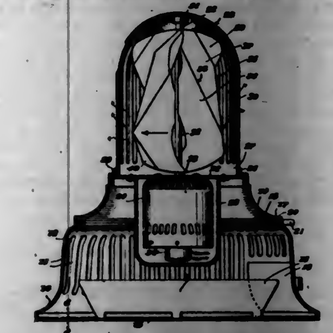


1. The process of making and applying arch supports for shoes, consisting in affixing a stiffening strip to the underside of the inner sole, affixing an arch support strip extending only over the heel and shank of the sole to the upper side of the inner sole, said arch support strip having a laterally projecting member integral therewith to support the arch, and molding and tempering said laterally projecting member to conform with the curve of the arch of the foot.

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2,121,177
**ELECTRIC FAN**
George Conwell Shipley, San Antonio, Tex., assignor of twenty-five percent to Fred Turner, Jr., Midland, Tex.
Application February 11, 1937, Serial No. 125,333
5 Claims. (Cl. 230—274)

1. A device of the class described comprising a fan, a housing enclosing said fan, the wall of said housing having openings therein surrounding said fan, said wall intermediate the openings being substantially V-shaped in cross-sec-



tion to add strength to said wall and conduct the flow of air outwardly through said openings.



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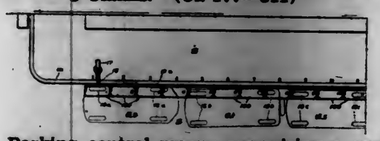
2,121,178
**SPARK PLUG**
Manuel Sousa, West Hartford, Conn.
Application September 23, 1936, Serial No. 102,110
3 Claims. (Cl. 123—169)



1. A spark plug including a body, a core extending within said body, a conductor extending within said core, a cap of insulating material and having a skirt with its lower edge attached to said body and having a recess, a terminal permanently enclosed in said recess in said cap, means for securing said terminal to said conductor, a socket in said terminal to receive a conducting wire encased in a sheath, a cap on the end of said sheath to frictionally engage said socket, and cooperating electrodes at the ends of said conductor and body.

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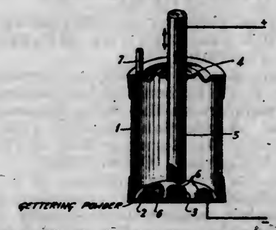
2,121,179
**PARKING CONTROL APPARATUS**
Ernest J. Sweetland, Piedmont, Calif.
Application March 10, 1936, Serial No. 68,067
5 Claims. (Cl. 177—311)



1. Parking control means comprising a parking area; a plurality of vehicle-actuated switch mechanisms in said area; said switch mechanisms being disposed along the parking area of a city street; said switch mechanisms being disposed at intervals lesser in length than the distance between the road-contacting portion of the front wheels of one vehicle and the road-contacting portion of the rear wheels of a vehicle parked immediately in front thereof, said intervals being of substantially shorter length than the wheelbase of the vehicles for which the parking area is designed, whereby any parked vehicle must actuate more than one switch; time-measuring units in electrical circuit with and actuated by said switches whereby the duration of parking of each vehicle is indicated by more than one time-measuring unit.

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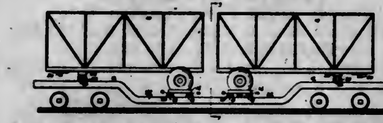
2,121,180
**METHOD FOR GETTERING VACUUM TUBES**
Hans Vatter, Berlin-Charlottenburg, Germany, assignor to Siemens and Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application November 21, 1936, Serial No. 112,077
In Germany November 21, 1935
4 Claims. (Cl. 200—144)




1. The method of gettering vacuum switch envelopes containing two switch contacts comprising depositing a thin film of powdered vaporizable metal on at least one of the contacts, applying a voltage to said contacts and moving said contacts together to start an arc discharge to the point of the contact covered by the film of metal.

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2,121,181
**SYSTEM FOR TRANSPORTING FREIGHT**
Karl J. Bayerl, Willoughby, Ohio
Application May 23, 1933, Serial No. 672,434
7 Claims. (Cl. 214—38)



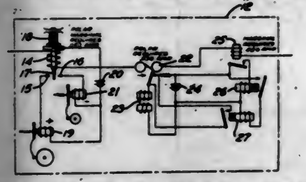
3. The combination with a drop frame railway car, of fifth-wheel highway vehicle trailers supported on said car, the fifth wheel end of the trailers being supported on the high platform of the car and the road wheels of the trailer being supported on the low platform of the car, and carrier means fixedly mounted on the low platform of the car engaging the road wheels and carrier means fixedly mounted on the high platform of the car engaging the fifth-wheel end of the trailers for moving said trailers sidewise off said car through successive substantially parallel planes.

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2,121,182
**SELECTIVE SIGNALING SYSTEM**
Abraham S. Benjamin, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application February 7, 1934, Serial No. 710,107
7 Claims. (Cl. 177—352)

1. In a signaling system, a single line circuit, a station having a polar relay in series with said line circuit operable on current of a predetermined strength, a polar relay connected in series with the first mentioned polar relay operable on

current of lesser strength, and means operable on the same current strength as the first mentioned polar relay for rendering the second mentioned polar relay ineffective.



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2,121,183

**PROCESS FOR THE MANUFACTURE OF CONDENSATION PRODUCTS OF DICARBOXYLIC ACID ANHYDRIDES**

Josef Binapfl, Krefeld-Uerdingen, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application June 29, 1934, Serial No. 733,126. In Germany July 12, 1933
10 Claims. (Cl. 260—123)

1. Process for the manufacture of a substituted succinic acid anhydride consisting in causing an aromatic compound containing at least one aliphatic side chain with at least one carbon atom carrying at least one hydrogen atom and all the aliphatic carbon atoms of the compound being connected by single bonds, said compound containing no hydroxyl group, to react on material selected from the group consisting of an $\alpha,\beta$-unsaturated dicarboxylic acid anhydride and a compound forming an $\alpha,\beta$-unsaturated dicarboxylic acid anhydride under the reaction conditions at a temperature above 80° C.

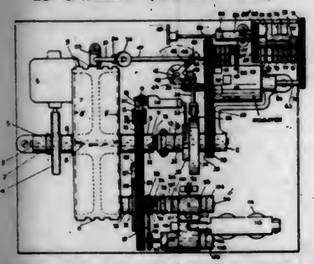
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2,121,184

**TELEMETRIC BROADCASTING AND RECORDING APPARATUS**

John P. Buckley, Washington, D. C.

Application May 1, 1934, Serial No. 723,393
15 Claims. (Cl. 177—351)



1. In a device for broadcasting and recording gage readings, a signalling device, a code element for controlling said signalling device, a sensing device, the movement of which from a reference point is determined by the gage reading, a recording tape, electro-mechanical means positively driving the code means, the sensing means and recording tape in synchronism from the reference point; perforating means associated with said recording tape, said electro-mechanical means including a first switch drum and a second switch drum, an electro-magnetically operated clutch, spring biased to normally drive said switch drums, an electric motor and a periodic circuit closer; a first electric circuit controlled by said periodic circuit closer for initially energizing said motor, a second electric circuit including certain contacts of said first drum switch for shunting said periodic circuit closer, a third circuit including the sensing means and certain contacts of the second drum switch, for shifting said clutch to disengage the drum switch drive and drive the code means, the sensing means and the recording tape; a fourth electric circuit including contacts controlled by movement of said clutch for operating the aforesaid perforating means while the sensing means is still at its reference and when the sensing means determines the gage reading whereby the gage reading is recorded.

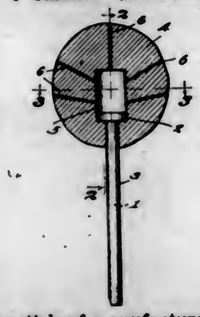
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2,121,185

**CANDY**

Clarence Lloyd Claff, Randolph, Mass.

Application November 26, 1935, Serial No. 51,721
Renewed February 19, 1936
6 Claims. (Cl. 99—138)



4. As an article of manufacture a piece of hard candy having a cavity and an unobstructed opening extending therefrom, and pumping means communicating with the cavity in the candy.

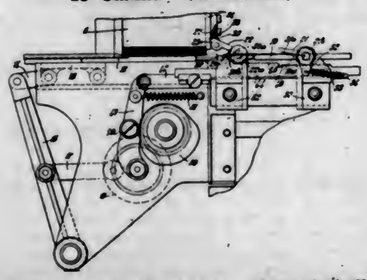
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2,121,186

**OPENING OF COLLAPSED SHELLS OF SLIDE AND SHELL CONTAINERS**

John Crighton, London, England, assignor to American Machine & Foundry Company, New York, N. Y., a corporation of New Jersey

Application November 18, 1936, Serial No. 111,420
In Great Britain November 20, 1935
13 Claims. (Cl. 93—53)



1. The method of opening collapsed shells of slide and shell containers, comprising imparting an initial bending movement to the short sides of the collapsed shell about the crease lines and toward the broad sides by advancing the collapsed shell positively against an opposed gradually retiring force, while preventing initially an opening movement of said broad sides and then permitting an initial opening movement of the upper broad side and concurrently applying a bending force at the trailing creased edge joint of said shell, to erect said trailing edge, while permitting a free movement of the broad sides away from one another, and thereby erecting positively the remote short edge of the partly opened shell against said constantly opposed retiring force.



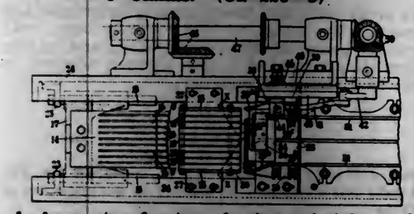
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2,121,187

**PACKING OF CIGARETTES AND THE LIKE**

John Crighton, London, England, assignor to American Machine & Foundry Company, New York, N. Y., a corporation of New Jersey

Application February 1, 1937, Serial No. 123,512
In Great Britain February 1, 1936
9 Claims. (Cl. 226—5)



1. Apparatus for transferring a batch of cigarettes comprising a vaned receiver, means to charge said receiver with cigarettes by moving a supply of cigarettes sidewise into the spaces between the vanes in the receiver, means for advancing said cigarettes endwise from said spaces, and means for concurrently closing said cigarettes sidewise, said cigarette-advancing means comprising a plunger having a plurality of spaced teeth, means for reciprocating the plunger to cause the teeth to enter the spaces between the vanes of said receiver, the forward ends of the teeth imparting a concave end to the plunger as seen in plan, and said concave leading end of the plunger acting to advance a batch of cigarettes from said receiver to said closing-up means with the leading ends of the batch components in concave disposition and the trailing ends of the batch components in convex disposition as said concave batch-end enters said closing-up means.

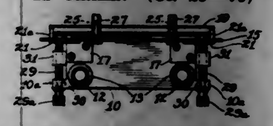
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2,121,188

**FIXTURE FOR FILING ARTICLES**

Vern J. Crisler and Walter J. Friedland, Chicago, Ill.

Application June 29, 1936, Serial No. 87,823
11 Claims. (Cl. 29—76)



1. In a device of the class described, the combination of two clamping bars, guide rods holding said bars with their clamping faces in parallel relation and movable towards and from each other, a horizontally disposed cylindrical roller mounted for rotation on each of said bars, the upper surfaces of said rollers being in a plane at right angles to the planes of the clamping faces of said bars and above said bars, vertical screws carried by said device for angular movement and restrained from vertical movement relatively to said rollers, and horizontal work supports having threaded engagement with said screws and extending across the space between said bars for the separated condition of the latter to support work between said bars.

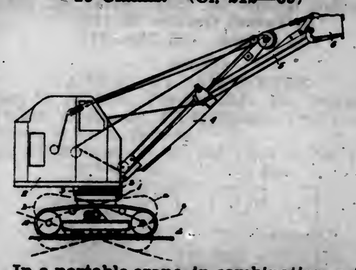
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2,121,189

**CRANE EXCAVATOR**

Raymond B. Dorward, Indianapolis, Ind., assignor to Insley Manufacturing Corporation, Indianapolis, Ind., a corporation

Application December 2, 1936, Serial No. 113,890
16 Claims. (Cl. 212—69)



1. In a portable crane, in combination, a travel base, a superstructure thereon comprising a carbody and operating apparatus carried thereby, connecting means between the base and superstructure permitting the latter to revolve upon the base so that said apparatus may extend in the direction of either end of the travel base, and instrumentalities between the travel base and superstructure operable by the preponderance of weight created by said apparatus on the superstructure allowing relative tilting of the superstructure and travel base so that the travel base may assume an angle to the superstructure as when moving up or down slopes of ground, while the superstructure is maintained substantially level or horizontal.

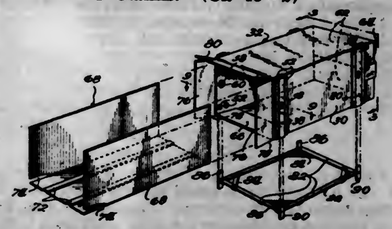
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2,121,190

**COLLAPSIBLE FILING CABINET**

Harry L. Fellowes, Chicago, Ill., assignor to Bankers Box Company, Chicago, Ill., a corporation of Illinois

Application June 14, 1937, Serial No. 148,038
4 Claims. (Cl. 45—2)



1. In a filing cabinet, a stack of drawer-receiving cases, each case comprising a collapsible paper board receptacle having top, bottom and side walls, a plurality of vertically disposed stiles mounted on and secured to the outer surfaces of the side walls of each case, and racks disposed between contiguous cases of the stack, each rack comprising a horizontal frame adapted to underlie and support the bottom wall of a case directly above it, each such frame being provided with members arranged to have detachable load-transmitting connection with the stiles of the

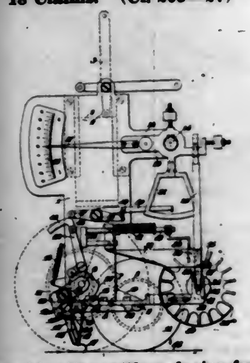
cases above and below it, said racks and said stiles constituting a composite skeleton frame in and on which each case is so supported that its load is transmitted through the stiles of the underlying cases and the load-transmitting connections to the floor.

2,121,191

## WEIGHING OR CHECKING THE WEIGHT OF CIGARETTES

Feyzi Tahir, Fatih, Istanbul, Turkey, assignor to American Machine & Foundry Company, New York, N. Y., a corporation of New Jersey

Application August 18, 1934, Serial No. 740,542
In Turkey October 26, 1933
18 Claims. (Cl. 265—27)



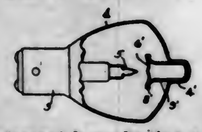
1. The combination with a device for weighing cigarettes, of means for automatically selecting cigarettes at intervals from a stream of cigarettes and transferring them to said weighing device, said device comprising a scale pan having a rotary fluted member and a relatively stationary shield extending over a predetermined number of flutes so that the fluted member as it rotates discharges and receives an equal number of cigarettes whereby there is always a predetermined number of cigarettes present on the scale pan.

2,121,192

## LAMP

Leo S. Greenmun, Binghamton, N. Y., assignor to Dayalmite Lamp Corporation, Newark, N. J., a corporation of Delaware

Application August 6, 1935, Serial No. 34,918
Renewed November 4, 1937
9 Claims. (Cl. 176—34)



2. An incandescent lamp having a circular reflector mounted therein in advance of the filament thereof and means integral with said reflector for supporting the same, said means extending from the annular edge of the reflector and into engagement with the walls of the lamp bulb.

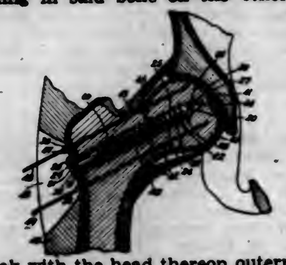
2,121,193

## FRACTURE CLAMPING APPARATUS

Paul Gustav Erich Hanicke, Kansas City, Mo.

Application December 21, 1932, Serial No. 648,225
Renewed October 27, 1937
15 Claims. (Cl. 128—92)

5. Means for clamping the broken surfaces of a bone in intimate contact comprising a member having means thereon for anchoring itself against longitudinal movement in said bone at one side of the break therein and a headed member mounted for longitudinal movement in an opening in said bone on the other side of



said break with the head thereon outermost and engaging the outer surface of said bone, said members being telescopically related and having cooperating threaded means thereon adapted to draw said members together.

2,121,194

## WELDING ROD

Charles Hardy, Pelham, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

No Drawing. Application October 18, 1932, Serial No. 638,334
8 Claims. (Cl. 219—8)

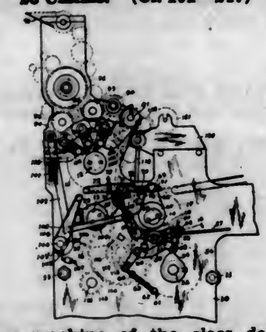
1. Nonferrous welding rod consisting of a coherent aggregate containing at least 40% dendritic comminuted copper, the said copper dendrites being in compact interlocked condition serving to impart strong coherence to the rod.

2,121,195

## PRINTING PRESS

Charles W. Harrold, Shaker Heights, and Clyde G. Horton, Bedford, Ohio, assignors to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware

Application December 10, 1934, Serial No. 756,794
23 Claims. (Cl. 101—247)



22. In a machine of the class described, a frame, elongate normally stationary means carried by the frame, a printing cylinder within the frame supported by and mounted to rotate around said means, and a pair of anti-friction bearings interposed between the cylinder and said means, said means comprising the following elements, namely, a shaft extending through the cylinder and longitudinally removable therefrom, a sleeve within the cylinder and surrounding said shaft of such length as to be removable transversely from the frame while remaining in the cylinder, said sleeve having a portion against which the inner race of one of said bearings abuts, means for holding said inner race against said sleeve portion, and means effective to prevent lateral movement of said sleeve relative to said shaft.

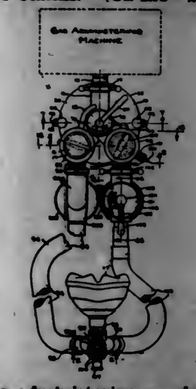


2,121,196

## ANESTHETIZING APPARATUS

Jay A. Heidbrink, Minneapolis, Minn., assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio

Application July 18, 1934, Serial No. 735,203
15 Claims. (Cl. 128—188)



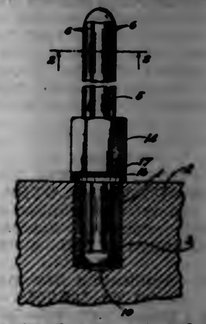
1. In a gas-administering machine, a breathing circuit including an inhaler and a rebreathing bag said circuit closed to atmosphere, means for continuously admitting anesthetizing gas into the inhale side of said circuit, an absorber, means connecting the rebreathing bag in said circuit either through said absorber or independently thereof as desired, and an ether vaporizer positioned in the exhale side of said circuit and between the inhaler and the rebreathing bag, whereby ether goes to the patient only from vaporization in exhaled gases.

2,121,197

## SCREW EXTRACTOR

Elmer F. Jackman, Lakewood, Ohio, assignor to The Ridge Tool Company of Elyria, North Ridgeville, Ohio, a corporation of Ohio

Application July 1, 1936, Serial No. 88,425
4 Claims. (Cl. 81—71)



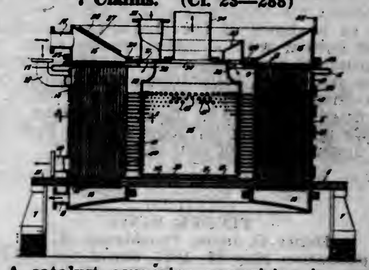
2. An extractor for removing threaded objects from threaded engagement in a bore or the like comprising a body of cylindrical form throughout its length and of a diameter providing a sliding fit with an axial bore in the object to be removed, a plurality of straight bore-engaging ribs of V-shaped cross section and uniform height extending longitudinally throughout the length of the body and adapted to be driven into the wall of said bore in the object to be removed, a torque transmitting member having a bore conforming to the exterior surface of said body and slidable longitudinally thereon, and an exterior surface on said member for application of a wrench to permit the torque applied to the body to be localized near the point of greatest resistance.

2,121,198

## CATALYST CONVERTER

James M. Jenkins, Philadelphia, Pa., assignor to Andale Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 18, 1937, Serial No. 121,043
7 Claims. (Cl. 23—288)



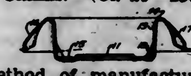
6. A catalyst converter comprising in combination, an outer cylinder and an inner cylinder forming an annular liquid bath chamber, a tube sheet closing each end of said chamber, catalyst tubes extending through the chamber and the tube sheets, a gas inlet header communicating with one end of said catalyst tubes, an outlet header communicating with the other end of said catalyst tubes, a cylinder within said inner cylinder cooperating with the latter to form an annular cooling-medium supply chamber and itself forming a central outlet chamber for the cooling medium, a plurality of cooling tubes extending from said cooling-medium supply chamber through said liquid bath chamber in a direction generally transverse of the catalyst tubes, said cooling tubes being closed at their outer ends, and a plurality of cooling-medium return tube sections within said cooling tubes, said sections extending inwardly through said annular cooling-medium supply chamber and discharging into said cooling-medium outlet chamber.

2,121,199

## METHOD OF MANUFACTURING VEHICLE WHEELS

Stanley N. Johnson, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application July 8, 1935, Serial No. 30,285
2 Claims. (Cl. 29—159.03)

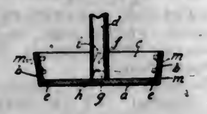


2. The method of manufacturing one piece wheel bodies which includes the steps of pressing the central portion of a circular metal blank to one side of the original plane of the blank, repressing said central portion to the opposite side

of the blank to provide a central bolting on flange portion lying in a plane parallel to and spaced substantially from the original plane of the blank, pressing the periphery of the blank away from the original plane of the blank toward the plane of the bolting on flange, and thereafter deforming the periphery of the blank to adapt it for attachment to a rim.

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**2,121,200**
**SHOVEL**
Anders Josef Jonsson, Linkoping, Sweden
Application March 11, 1936, Serial No. 68,159
In Sweden November 6, 1934
5 Claims. (Cl. 294—55)



1. In a shovel of the character described, a wood bottom with a rabbet groove along each longitudinal edge, and wooden borders arranged along said edges, respectively, each border being of L-shaped cross-section, the leg of the L being fitted and glued in the corresponding rabbet groove and having its upper surface flush with the upper surface of said bottom.

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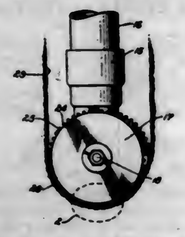
**2,121,201**
**FINGER RING**
Henry G. Joyce, Providence, R. I.
Application May 18, 1937, Serial No. 143,331
2 Claims. (Cl. 63—15)



1. A finger ring comprising a shank with a top portion, said top portion having an inset on its outer face of a more precious metal terminating at points a sufficient distance from the mid-portion of the top to extend approximately semi-circumferentially of the completed ring, whereby the base metal portion is covered by adjacent fingers.

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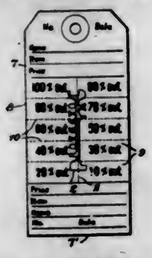
**2,121,202**
**ROTARY BIT**
Robert J. Killgore, Los Nietos, Calif.
Application March 19, 1935, Serial No. 11,801
2 Claims. (Cl. 255—71)



1. A disc cutter for a disc bit of the character described, including: a circular plate having a relatively narrow peripheral edge and having inwardly tapered openings formed in the periphery thereof; and hard metal inserts disposed in said openings in such position that the walls of said plate around said tapered openings will compress said inserts radially, the outer ends of said inserts being sharpened to wedge shape and diagonal to the axis of the plate.

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**2,121,203**
**PROTECTION TICKET**
Herman P. Knoble, Cleveland, Ohio
Application June 7, 1937, Serial No. 146,821
Renewed May 16, 1938
2 Claims. (Cl. 283—18)



1. In combination, a protection tag to be applied to goods sold and a coupon detachable from the tag, the tag and coupon having appropriately designated spaces on the obverse faces thereof for duplicated identifying notations, adjacent portions of the tag and coupon having columnar sequential discount indicia thereon with a line of scoring between each unit of discount indicia for the detachment of the coupon from the tag at a selected line of scoring, and protective indicia extending parallel to the columnar indicia with the lines of scoring bisecting the same for the subsequent matching of the tag and the coupon parts at a line of scoring previously selected for the separation of the coupon from the tag.

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**2,121,204**
**BEARING METAL ALLOY**
Edward P. Langworthy, Rochester, N. Y., assignor to Bearium Metals Corporation, Rochester, N. Y., a corporation of New York
No Drawing. Application November 18, 1936, Serial No. 111,491
1 Claim. (Cl. 75—159)

An alloy for providing a bearing which is capable of preventing excessive wearing or scoring of the shaft or other associated part in the absence of a lubricating medium, said alloy containing 45% to 77% copper, 20% to 35% lead and 3% to 15% nickel, the sum of the percentages of copper, lead and nickel equaling substantially 100%.

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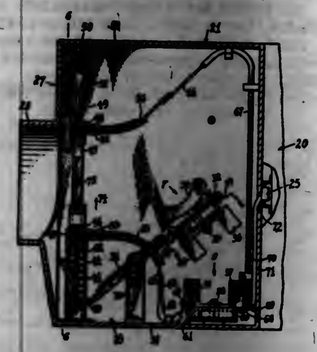
**2,121,205**
**BLUEPRINT, PHOTO-VELLUM, AND SIMILAR SENSITIZED CLOTHS**
Arnold Leroy Lippert and William P. Hall, Wilmington, Del., assignors to Joseph Bancroft & Sons Co., Wilmington, Del., a corporation of Delaware
No Drawing. Application November 7, 1936, Serial No. 109,754
5 Claims. (Cl. 95—7)

1. The process of treating sized cloth to be sensitized which comprises subjecting the dry sized cloth to a solution of urea formaldehyde, polymerizing the resin, and sensitizing the treated cloth when dry.



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**2,121,206**
**DEVICE FOR DISCOURAGING FALSE ALARMS**
Daniel D. London, New York, N. Y.
Application June 18, 1936, Serial No. 27,167
2 Claims. (Cl. 177—378)

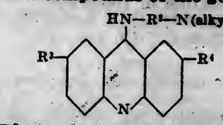


1. The combination with a fire alarm box having a handle for manually sending an alarm and a continuous wall forming a chamber in which the handle is housed; of a casing having its rear wall hinged to and latched to said chamber walls to serve as a cover therefor; the front wall of said casing having a hand hole; aligned arcuate channeled pieces arranged closely to the hand hole and substantially registering therewith; aligned rods extending upwardly and downwardly from the respective channelled pieces; a spring for tensionally and normally holding the upper rod down to its lowest position with its connected upper arcuate piece; a lower spring acting to normally hold the lower rod and its connected lower arcuate piece in the lowermost position, each of said arcuate pieces being formed with a channel having a hole in one side thereof; a marker or hand-cuff comprising upper and lower telescoping parts resting in the respective arcuate pieces and having holes registering with said holes of the arcuate pieces; extensions on said upper part, corresponding holes being provided in the lower part, to allow their telescopic movement on one another, and means on said parts to releasably lock them in their telescoped position; sliding pins passing through said holes; a tilting lever; a handled revoluble winged disk member carried by one end of said lever, and a tail piece at the other and underlying the lower end of said lower rod; a second revoluble winged disk member on the floor of said casing; the second revoluble member being arranged in the path of the downward movement of the first revoluble member and having means for engagement with the first member to be rotated therewith when the first member is moved downward and then rotated; wires connecting the second disk member with the sliding pins and with the said latch, whereby the marker parts may be released and attached to the wrist of the operator when the head of the lever is depressed contacting the winged members and turning them for releasing pins and unlocking the latch permitting the alarm box door to swing open giving access to the said handle of the alarm box for operating the alarm.

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**2,121,207**
**NEW BASICALLY SUBSTITUTED ACRIDINE COMPOUNDS**
Fritz Mietzsch, Wuppertal-Elberfeld, and Hans Mauss, Wuppertal-Barmen, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 3, 1935, Serial No. 24,775. In Germany June 7, 1934
10 Claims. (Cl. 260—36)

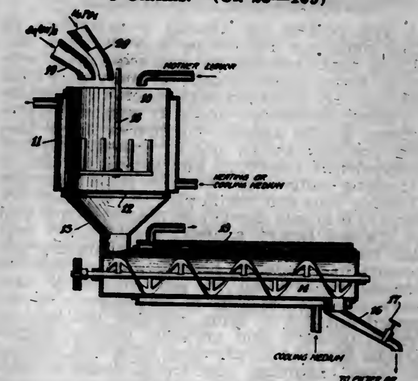
1. Acridine compounds of the general formula:



wherein $R^2$ stands for an aliphatic radical and $R^3$ and $R^4$ each stand for a substituent of the group consisting of the alkyl, alkoxy and alkylthio groups, which compounds in the form of the free bases are soluble in organic solvents and in the form of their salts with acids are soluble in water.

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**2,121,208**
**PRODUCTION OF MONOCALCIUM PHOSPHATE**
Charles H. Milligan, Westfield, N. J., assignor to The American Agricultural Chemical Company, Newark, N. J., a corporation of Delaware
Application March 30, 1935, Serial No. 13,957
Renewed November 17, 1936
3 Claims. (Cl. 23—109)



1. In the production of crystalline monocalcium phosphate of low content of free phosphoric acid and dicalcium phosphate, establishing in a reaction zone a strong solution of phosphoric acid, introducing lime and a strong phosphoric acid solution simulataneously and in equivalent amounts into the first mentioned solution to form monocalcium phosphate in excess of the amount which the strong solution of phosphoric acid can hold in solution whereby crystals of monocalcium phosphate are produced therein, maintaining a relatively high temperature during the reaction and agitating the mass at a rate which will maintain the crystals of monocalcium phosphate in suspension in the strong phosphoric acid solution for growth to a desired size, passing the grown crystals through a crystallizing zone containing a solution of monocalcium phosphate in strong phosphoric acid maintained at a substantially lower temperature

for further growth of the crystals, separating the crystals from the liquor, washing the crystals with dilute phosphoric acid, and drying the washed crystals.

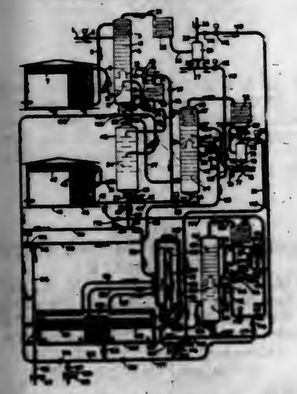
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2,121,209

## TREATMENT OF HYDROCARBON OIL

William F. Moore, Bayside, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware

Application April 19, 1933, Serial No. 666,801
5 Claims. (Cl. 196—49)



1. The process of treating a petroleum oil which comprises introducing said oil into a distillation zone receiving hot cracked vapors, separately withdrawing residual oil and vapors from said zone, fractionating said vapors to separately recover therefrom normally gaseous hydrocarbons, a light gasoline fraction, a heavy gasoline fraction and a heavier gas-oil fraction, independently subjecting said gas-oil fraction to a cracking temperature while in transit through a heating zone and discharging the resultant hot products into said distillation zone to supply said hot cracked vapors, subjecting said heavy gasoline fraction to conditions of temperature and pressure in a separate heating zone effective to promote reformation of constituents of said heavy gasoline fraction to constituents of increased anti-knock value, reacting the hot reformed products and normally gaseous hydrocarbons obtained as aforesaid with said residual oil under conditions effective to promote polymerization of gaseous hydrocarbons to normally liquid hydrocarbons, removing resultant products of said last-mentioned reaction and separately fractionating them to recover said normally liquid hydrocarbons.

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2,121,210

## PROCESS OF AND APPARATUS FOR ISOLATING AND TREATING THE FIBERS OF LECHUGUILLA PLANT AND RELATED SPECIES

Gustav Jean Nord, Asheville, N. C.

Application January 22, 1936, Serial No. 60,335
6 Claims. (Cl. 19—8)



1. The process of isolating and treating fiber of the agave plant, which consists in first subjecting the leaf to a steam bath, then subjecting the leaf to pressure to spread the fibers and separate the same from the skin and parenchymous tissue, washing the isolated fibers, subjecting the fibers to an opener or picker while the fibers are still in their moist state, and finally subjecting the fibers to a drier and agitating them to thereby curl the said fibers.

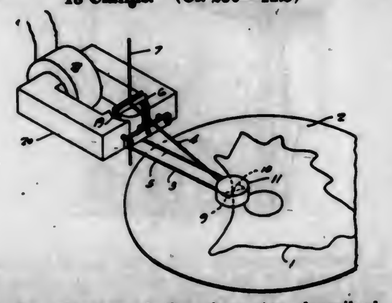
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2,121,211

## AUTOMATIC LINE TRACKER

Philip Padva, Los Angeles, and Lloyd J. Cannon, Taft, Calif., assignors, by direct and mesne assignments, to Cannon & Co., Los Angeles County, Calif., a corporation of California

Application September 30, 1935, Serial No. 42,980
18 Claims. (Cl. 250—41.5)



1. In a device of the character described, a tracker member for following a line on a chart, means creating a pair of continuously active opposed forces for holding said member in a definite position with respect to a line, and means for altering the relation between the forces in response to deviation from the position for maintaining said tracker and line to tracking position.

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2,121,212

## DEMONSTRATING DEVICE

Leroy Pierce Ramsdell, La Porte, Ind.

Application September 6, 1935, Serial No. 39,422
14 Claims. (Cl. 35—28)



1. A demonstrating device consisting of a plurality of interrelated and frictionally interengaging sections articulated and shaped in profile to simulate outline anatomical portions of a living creature, suspended pivotally from a point in the head above the upper vertebra of the spinal column mounted and manually movable upon a support, said mounting support pivotally associated with a base, adapting the image to be moved laterally to illustrate the changes in profile outline of the body in relation to changes of the center of gravity.



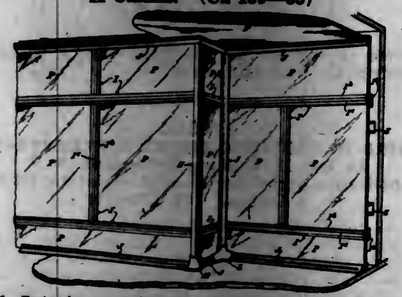
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2,121,213

## INTERIOR PANELING

Frederick M. Small, York, Pa., assignor, by mesne assignments, to Martin-Parry Corporation, York, Pa., a corporation of Delaware

Application March 29, 1934, Serial No. 718,064
41 Claims. (Cl. 189—85)



1. Interior paneling of the type described comprising, the combination with the surface to be covered, of rigid anchor devices secured to the surface, mounting rails connected to the anchor devices and some of which are angularly arranged relative to others, multi-part molding sections connected to the mounting rails, and panel sheets immovably supported at their edges between the parts of the molding sections.

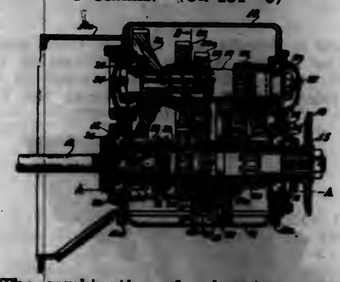
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2,121,214

## LUBRICATING MEANS FOR CHANGE SPEED MECHANISMS

Francis M. Vandervoort, Cleveland, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a corporation of Ohio.

Application May 2, 1935, Serial No. 19,448
5 Claims. (Cl. 184—6)



1. The combination of a housing constructed with a lubricant reservoir, a shaft mounted in said housing, a gear rotatably mounted on said shaft and extending into the aforesaid reservoir, means for driving said gear including a gear arranged to mesh therewith, a plurality of ducts being provided in said first named gear leading from the interstices between the teeth of said gear to its interior annular surface, and radially projecting flanges carried by said first named gear arranged to straddle said second named gear and located in close proximity to the sides of said second named gear.

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2,121,215

## PREPARATION OF TITANIUM OXYGEN COMPOUNDS

Paul Weise and Friedrich Raspe, Leverkusen-I. G. Werk, Germany, assignors to Titangesellschaft M. B. H., Leverkusen-I. G. Werk, Germany, a corporation

No Drawing. Application April 12, 1937, Serial No. 136,502. In Germany September 14, 1935

12 Claims. (Cl. 23—202)

11. In a method for the preparation of hydrous titanium oxides by thermal hydrolysis from a titanium sulfate solution, the step which consists in continually adding water to a titanium sulfate solution undergoing hydrolysis in an amount and at a rate of addition sufficient to maintain at substantially constant value the acid concentration free and combined with titanium of the hydrolizing solution, said value being substantially that of the solution just prior to hydrolysis.

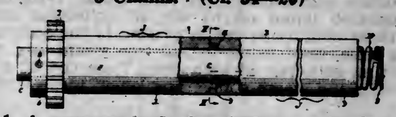
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2,121,216

## CONVEYER POLE FOR DRYING MACHINES OR THE LIKE

Thomas Allsop and Walter W. Sibson, Philadelphia, Pa., assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 16, 1937, Serial No. 120,855
3 Claims. (Cl. 34—20)



1. A conveyer pole for drying machines and the like comprising a number of tubular axially-aligned unitary jacket-sections of non-metallic material, a circumferentially reduced part at one end of said sections for engagement in a counterbore in the confronting end of the adjoining section to provide annular-rabbet junctures thereat, a metallic core member snugly-fitting the bore of the several interengaged sections to maintain them in rigid axial alignment, and retainer means holding all the unitary jacket-sections in firm end abutment while permitting lengthwise expansion thereof under the action of moisture and heat.

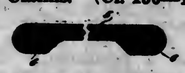
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2,121,217

## VENETIAN BLIND SLAT

Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

Application January 9, 1937, Serial No. 119,769
4 Claims. (Cl. 156—17)



1. A Venetian blind slat composed of plastic material comprising a resin of the thermosetting type incorporated with a filler; said slat having reenforcing members in the form of thickened edges of a non-dust collecting character whereby sagging and the accumulation of dust are substantially prevented.

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2,121,218

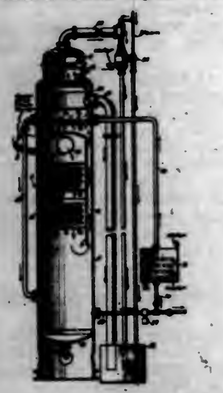
## CONDENSING METHOD AND APPARATUS

John H. Erter, White Plains, N. Y., assignor to Alco Products Incorporated, New York, N. Y., a corporation of Delaware

Application March 31, 1934, Serial No. 718,397
7 Claims. (Cl. 196—77)

6. A process for recovering a hydrocarbon oil from a mixture of oil vapor and steam compris-

ing the steps of condensing the oil vapor and collecting the oil condensate, removing the steam from the collecting zone and passing the steam through a separating zone, intimately contacting the steam in its passage through said separating zone with a cooler liquid whereby oil re-



maining in said steam is separated therefrom to produce substantially oil free steam, returning separated liquid oil to the oil collecting zone without contacting steam passing to the separating zone, condensing the oil free steam and removing collected oil and steam from the oil collecting and steam condensing zones, respectively.

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2,121,219
**LAWN MOWER**
Frank T. Farmer and Stanley D. Loud, Worcester, Mass., assignors to Worcester Lawn Mower Company, Worcester, Mass., a corporation of Massachusetts
Application May 11, 1936, Serial No. 78,961
3 Claims. (Cl. 56—249)

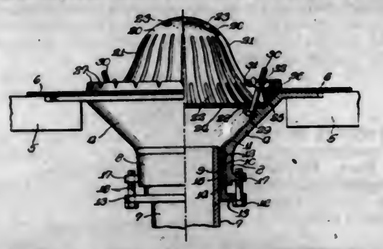


1. In a lawn mower having a frame providing a spindle on which a wheel for the mower is journalled, a bumper secured to said spindle on the outside of the wheel to protect the wheel from engagement with other objects, said bumper being supported only by said spindle and comprising a horizontally extending bar having rubber elements on the outer side thereof to avoid contact between the mower and objects on the lawn, said bar extending over substantially the entire diameter of the wheel.

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2,121,220
**ROOF DRAIN**
Arthur J. Filkins, Chicago, Ill., assignor to Paul Dickinson, Inc., Chicago, Ill., a corporation of Illinois
Application December 18, 1936, Serial No. 116,529
9 Claims. (Cl. 182—31)

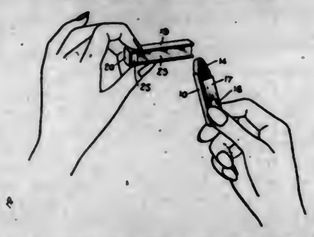
1. A roof drain comprising a roof member and a perforate dome having corresponding inclined surfaces, to engage a roof cover therebetween fastening means extending through openings of the dome, and projections on the inside of the member beyond and free from the edges of a roof



cover to engage the fastening means without obstruction with said cover.

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2,121,221
**MIRROR PROVIDED LIPSTICK RECEPTACLE**
Le Roy H. Fontan, Rutherford, N. J.
Application September 30, 1936, Serial No. 103,279
4 Claims. (Cl. 132—79)



1. In a device of the kind described the combination of a cosmetic holder, a cover into which the cosmetic holder telescopes to protect the same when not in use, a mirror carried by the cover, and a cover plate carried by the cosmetic holder and enclosing the mirror when the cosmetic holder is telescoped to a position within the cover.

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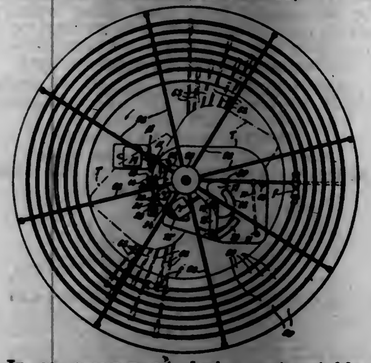
2,121,222
**BELT**
Abraham L. Freedlander, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application March 27, 1935, Serial No. 13,305
10 Claims. (Cl. 74—233)



1. In a V-shaped power belt, a compression section comprising a plurality of rubberized square-woven fabric layers, an intermediate section comprising a plurality of square-woven bias fabric layers embedded in rubber, and a tension section comprising a plurality of square-woven rubberized layers of fabric, said intermediate section being disposed between and adjacent said compression section and said tension section.



2,121,223
**AMUSEMENT DEVICE**
Warren Fuhrmann, Kearny, and William G. Sand, Keansburg, N. J.
Application April 7, 1937, Serial No. 135,378
18 Claims. (Cl. 272—36)

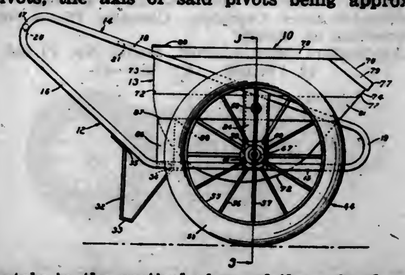


1. In an amusement device, a turntable arranged with a fixed abutment excentrically thereof, a series of figure carrying arms supported in superposed relation to have revolving movement about the axis of the turntable independent of each other and the rotation of the turntable forwardly of the abutment, means to yieldingly urge the arms in a direction opposite to the direction of rotation of the turntable toward and into engagement with the abutment during the period of rest and commencement of rotation of the turntable, rotatable means positioned in the rear of the abutment supported to revolve about the axis of the turntable and participate in the rotation of the turntable and have movement in a direction toward and away from the arms and move the arms out of engagement with the abutment and transmit the rotation of the turntable to the arms and operative by the rotation thereof to advance and retract the arms relative to each other as the arms are revolved by the rotation of the turntable, and means carried by and rotatable from the rotation of the turntable operative to connect the rotatable means with the turntable and move said rotatable means toward and the arms out of engagement with the abutment, and the rotatable means in said position operative to alternately advance and retract the arms relative to each other and travel of the turntable during the revolving of the arms by the rotation of the turntable.

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2,121,224
**DUMPING VEHICLE**
Leslie H. Garlinghouse, Jr., Los Angeles, Calif.
Application March 26, 1937, Serial No. 133,209
4 Claims. (Cl. 296—3)

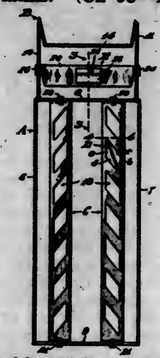
1. A dumping vehicle comprising a chassis portion including a pair of spaced side members, each of said side members comprising a lower front portion, a lower rear portion and an upper portion, a bar connecting said side members, a vertical channel member connected to each lower front portion and the associated upper portion, a plate member secured to each of said channel members at the lower portion of each of said channel members, said plate members and said channel members having aligned apertures, spindles in said apertures, a wheel having a hub mounted on each spindle, each of said vertical channel members having an inwardly directed pivot member at the upper end thereof, a body including side plates apertured to receive said pivots, the axis of said pivots being approxi-



mately in the vertical plane of the axis of said spindles when the body is in a horizontal position.

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2,121,225
**FILM HOLDER**
David M. Ghrist, Glendale, Calif.
Application February 8, 1937, Serial No. 124,633
5 Claims. (Cl. 95—100)

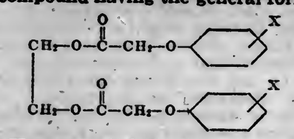


1. In a film holder of the character described, a film carrier comprising a pair of spaced parallel apertured plates and an abutment plate spaced from and paralleling one of said apertured plates; the apertures in one of said plates being arranged in register with the apertures in the other of said plates, said apertures being of substantially diamond shape and of a dimension between the remotest opposed corners thereof approximating the width of a film to be carried within said apertures.

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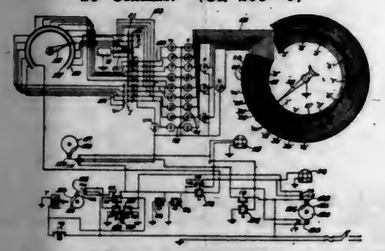
2,121,226
**ETHYLENE GLYCOL DI-(HALO-ARYLOXY-ACETATES)**
Ernest F. Grether, William R. Shawver, and Russell B. Du Vall, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 8, 1936, Serial No. 78,662
6 Claims. (Cl. 260—103)

1. A compound having the general formula



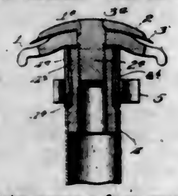
wherein X represents halogen.

2,121,227
**WEIGHING APPARATUS**
Otto P. Haegele, Chicago, Ill., assignor to Streeter-Amet Company, Chicago, Ill., a corporation of Illinois
Application May 2, 1936, Serial No. 77,520
10 Claims. (Cl. 265—5)



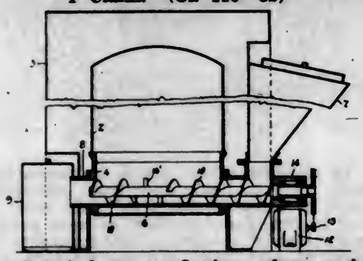
1. A recording scale of the character described comprising in combination, a load responsive dial pointer adapted to rotate a plurality of revolutions in traversing the entire capacity of the scale, each revolution representing an integral number of large units of weight, another load responsive member adapted to be moved to a position representing the weight of the load, recording mechanism including weight printing devices for printing the several orders of digits on the weight of the load, electrically actuated means for controlling the positioning of the respective orders of digits, electrical contacts traversed by said load responsive member, each contact representing a large unit of weight in the capacity of the scale and being electrically connected with the respective electrically actuated means relating to the order of digits of said large units of weight, other contacts associated with said pointer and electrically connected with the electrically actuated means for controlling the lower orders of digits, and means for bringing said pointer and load responsive member into engagement with said contacts after the former are in equilibrium to energize circuits controlling the digits on the weight of the load represented by said pointer and load responsive means respectively.

2,121,228
**SAFETY RAZOR**
William H. Hall, Cicero, Ill.
Application February 6, 1936, Serial No. 62,643
3 Claims. (Cl. 30—72)



1. In a safety razor, a face guard having a centrally located opening therein, a face plate having a centrally located threaded stem thereon adapted to pass through said central opening in said face guard, a blade adapted to be clamped between said face guard and face plate, a two piece handle comprising a stationary part rigidly mounted on said face guard and a rotatable part having a centrally located threaded aperture adapted to be screwed up on said threaded stem for clamping the blade by contacting the upper end of said rotatable part of the handle with the face guard, a threaded section on the inner wall of said stationary part of the handle and a threaded section on the outer surface of said rotatable part of said handle, said threaded sections being adapted to engage with and be disengaged from each other in either direction, and to be disengaged from each other when said rotatable part of said handle is screwed up into contact with said face guard, all substantially as and for the purposes hereinbefore set forth.

2,121,229
**MECHANICAL FURNACE**
George N. Halter, Canton, Ohio
Application April 5, 1935, Serial No. 14,867
1 Claim. (Cl. 110—32)



In a hot air furnace, a fire box, a furnace chamber above said fire box, a furnace housing surrounding said fire box and said furnace chamber, and having oppositely disposed recesses therein, said fire box having an ash discharge port at one end thereof adjacent one of said recesses and a fuel conduit in its opposite end extending into the other recess, a fuel supply chamber inset into said last named recess and communicating with said fuel conduit, and an ash receiver in said first named recess communicating with said ash discharge port and having a portion accessible from the exterior of said housing.

2,121,230
**LOCKING MEANS**
Weslie M. Hamon, Bell, Calif.
Application July 9, 1935, Serial No. 30,513
11 Claims. (Cl. 294—86)



1. In combination, a support, slips journaled on the support, a driving connection operable for selectively rotating the slips with the support or permitting the support to rotate relative to the slips, and means operable responsive to rotation of the support relative to the slips for relatively longitudinally displacing the slips, the slips having surfaces adapted for binding engagement in a cooperating socket responsive to their relative longitudinal displacement.



2,121,231
**CONTAINER VALVE**
Stephen D. Harteg, Normandy Township, Mo.
Application July 17, 1937, Serial No. 154,252
5 Claims. (Cl. 221—60)



1. In a collapsible tube valve, a closure provided with journal bearings interrupted by openings providing notched indentations therewithin, journal bearing axes for the closure, the journal bearing axes being capable of entering into the notched indentations when the closure is moved in one direction, the closure being capable of oscillatory movement on the bearing axes when the closure is moved to a position opposite to that of the first mentioned position, and means to secure the valve to the collapsible tube.

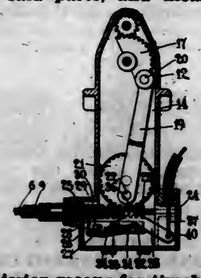
2,121,232
**CONTAINER VALVE**
Stephen D. Harteg, Normandy Township, Mo.
Application October 21, 1937, Serial No. 170,187
9 Claims. (Cl. 221—60)



1. A container valve for the discharge end of a container, the container valve comprising a circularly formed body adapted to fit the discharge end of a container, an apertured cap mounted upon the circularly formed body, a wafer-plate arranged within the circularly formed body, the wafer-plate having an expressed projection formed upon the surface thereof, the wafer-plate being capable of opening and closing the discharge aperture of the valve when motion is imparted to the said apertured cap, and means to connect the container valve to a container.

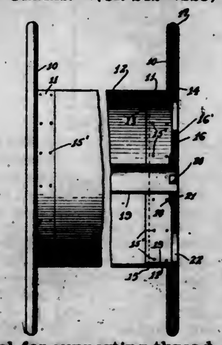
2,121,233
**WINDSHIELD CLEANER**
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application February 19, 1934, Serial No. 712,043
6 Claims. (Cl. 192—33)

1. Mechanism of the character described comprising a shaft, a drive member, transmission means operatively connecting the shaft to the drive member and embodying parts which are separable to interrupt the transmission of power for the arrest of the shaft, a spring actuated snap action operatively connected to one of said parts for separating it from the companion part, means for manually loading the spring of the snap action and disposing the latter in an inoperative position whereby upon release from such position the snap action will effect a quick separation of said parts, and means operable by



said transmission means for timely effecting such release of said inoperatively disposed snap action.

2,121,234
**SPOOL**
Hilyard C. Howsam, Chicago, Ill., assignor to Hubbard Spool Company, Chicago, Ill., a corporation of Illinois
Application June 27, 1936, Serial No. 87,612
2 Claims. (Cl. 242—123)



1. In a spool for supporting thread, wire or the like, a sheet metal head having a portion deflected inwardly to form a comparatively short flange forming the outer portion of the spool barrel, a tube forming the major portion of the barrel, the outer portion of said tube being sharply offset radially inwardly a distance corresponding to the thickness of said flange to form a seat for the flange and to provide a shoulder against which the flange end abuts to form a completely closed joint, the end of said offset portion being deflected around the corner between the flange and head and against the outer face of the head for holding the head with the flange end intimately against said shoulder to maintain the closed joint.

2,121,235
**MERCURY SWITCH**
Karl Hunciker, Chicago, Ill., assignor to Ira E. McCabe, Chicago, Ill.
Original application April 12, 1933, Serial No. 665,628. Patent No. 2,085,316, dated June 29, 1937. Divided and this application January 2, 1937, Serial No. 118,807
5 Claims. (Cl. 200—112)

1. An electric switch including a sealed tube, a body of electrical conducting fluid contained in one end thereof, a plurality of integral flexible

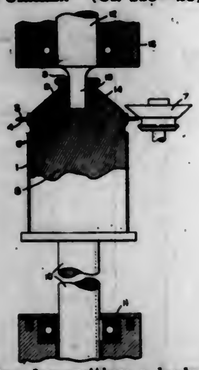
electrodes supported in the opposite end adapted to be brought into contact with the fluid to close the circuit therethrough, means upon an elec-



trode responsive to an external force to flex said electrode, and means within the tube actuated by the flexation of one electrode to flex the other.

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2,121,236
**MACHINE FOR MAKING CANS**
Harry Sebell, Boston, Mass., assignor of one-half to Arthur H. Fanbar, Lexington, Mass.
Application August 29, 1936, Serial No. 98,478
2 Claims. (Cl. 113—23)

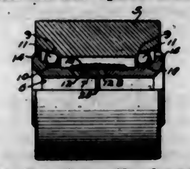


1. A machine for uniting a body section of a can to a neck section having a discharge opening by seaming together mating seaming flanges on the body section and neck section respectively, said machine comprising a chuck member having a body portion to fit within the body section of the can and a neck portion to fit within the neck section, a supporting shaft secured to one end of the body portion and by which it is rotated, a rotary supporting bearing directly engaging the neck portion of the chuck member through the discharge opening of the neck section of the can, and a seaming wheel cooperating with the chuck to deform the mating flanges of the neck section and the body section by applying pressure thereto in a direction transversely to the axis of the chuck thereby seaming said flanges together, said rotary supporting bearing rotating with and steadying the neck portion of the chuck member and preventing yielding movement thereof in a radial direction due to the seam-forming operation.

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2,121,237
**BEARING**
John W. Smith, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application February 8, 1935, Serial No. 5,611
7 Claims. (Cl. 308—196)

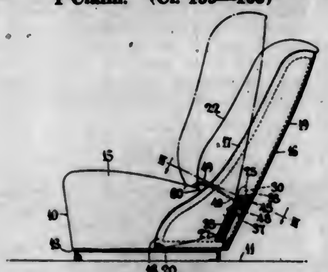
1. A double row angular contact bearing comprising, an integral outer ring having two spaced raceways, the normals of the lines of contact of which converge outwardly of said ring, a two part separable inner ring having raceways complementary to those of the outer ring, a coupling overlapping and frictionally engaging the outer walls of the adjacent inner ends of said inner ring parts and in the space between the inner



and outer bearing rings, the length of said coupling being sufficient to first hold said parts in one position for the operation of loading all raceways with balls and thereafter in another position for normal operation.

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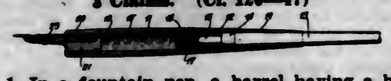
2,121,238
**VEHICLE SEAT STRUCTURE**
Le Grand S. Wheden and Albert A. Grinnell, Medina, N. Y., assignors, by mesne assignments, to Le Grand S. Wheden, Medina, N. Y.
Application March 27, 1935, Serial No. 13,357
1 Claim. (Cl. 155—163)



In a seat structure, a pair of pivotally connected seat members, a locking bar having locking elements formed along one side thereof, means pivotally supporting the bar on one seat member at a location spaced from the pivotal connection of said seat members, a bracket mounted upon the other seat member, said bracket having a locking portion normally engaging with one of the locking elements of the bar for releasably locking the latter, means for guiding the bar in proximity to the locking portion of the bracket as the seat members are relatively pivoted, a handle mounted upon one of the seat members and having a crank portion engaging the bar for moving the latter to and from locked position, means cooperating with the handle for constantly urging the bar into locked relation with the bracket, and a spring carried between portions of the seat members and constantly urging them in one direction about their pivotal connection.

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2,121,239
**FOUNTAIN PEN**
Frank M. Ashley, Great Kills, N. Y., assignor to Lewis Gompers, trustee, New York, N. Y.
Application December 2, 1936, Serial No. 113,812
3 Claims. (Cl. 120—47)



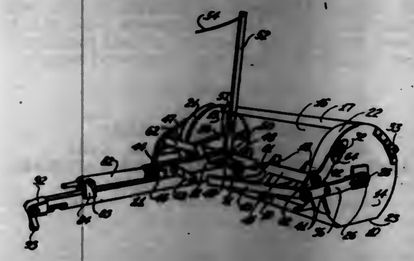
1. In a fountain pen, a barrel having a bore cylindrical for a portion of its length and merging at one end into a tapered bore portion, a



feed plug and pen at the other end of the barrel, a piston rod slidable in the bore and projecting outwardly of the tapered end of the barrel, and a compressible cylindrical piston on the inner end of the piston rod adapted to be moved into the tapered end of the barrel.

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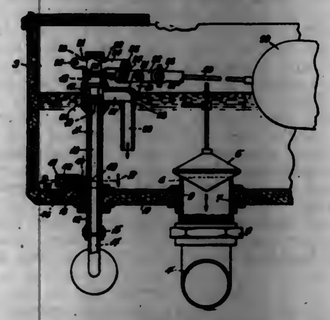
2,121,240
**EARTH MOVING DEVICE**
Ellsworth W. Austin, Cedar Rapids, Iowa, assignor, by mesne assignments, to Killefer Manufacturing Corporation, a corporation of California
Application September 21, 1935, Serial No. 41,574
8 Claims. (Cl. 37—140)



1. In a scraper, a scraper structure, a tongue secured to the scraper structure and adapted to tilt the scraper structure to vary the angle of incidence of the cutting edge, a drawbar and substantially parallel differential links at front and rear on the tongue connecting the tongue and drawbar for tilting the tongue with reference to the drawbar, and resilient means for resisting tilting of the tongue with reference to the drawbar.

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2,121,241
**FLUSHING MECHANISM OF TANKS FOR WATER CLOSETS**
Ernest A. Bach, St. Louis, Mo., assignor of one-half to George Weed, St. Louis, Mo.
Application June 20, 1936, Serial No. 86,330
5 Claims. (Cl. 137—21)



1. A flushing tank having a stand-pipe therein, means for entraining water pressure to said stand-pipe, controllable discharge means cooperable with said stand-pipe for discharging water into said tank, and a valve-controlled discharge passageway at the lower end of the stand-pipe cooperable to drain water from the tank and into the stand-pipe when the water pressure to said stand-pipe is shut off.

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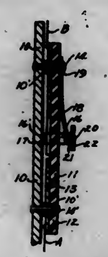
2,121,242
**EXHAUST MUFFLER**
Ray Barron, Toronto, Ontario, Canada
Application April 16, 1937, Serial No. 137,297
4 Claims. (Cl. 181—53)



1. In an exhaust muffler, inner and outer concentric tubes spaced apart, the inner tube having its outlet into the outer tube at its forward end and the outer tube having its outlet at the rear end, a stationary baffle device within the innermost tube comprising a rod extending longitudinally and centrally of the tube, individual discs mounted on the rod in spaced apart position and formed fan shaped, the blades of one disc being set in an oppositely inclined direction to the blades of the next adjacent disc and against which the exhaust entering the muffler impinges as it passes through the innermost tube directing the exhaust in opposite directions and between the blades as it passes longitudinally to the outlet, and a series of annular discs spaced apart and surrounding the innermost tube and having its annular edge slit radially and bent between the slits to form deflecting vanes and intermediate passageways between the vanes for the exhaust.

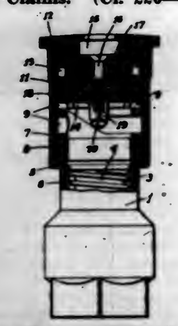
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2,121,243
**ELECTRICAL CIRCUIT BREAKER**
Oakley K. Beckler, Dallas, Tex., assignor, by mesne assignments, of seventy-two and one-half percent to Joseph H. Reynolds, Cisco, Tex., twenty-two and one-half percent to Marion H. Rowe, and five percent to Jack A. Schley, both of Dallas, Tex.
Application March 21, 1935, Serial No. 12,155
3 Claims. (Cl. 200—116)



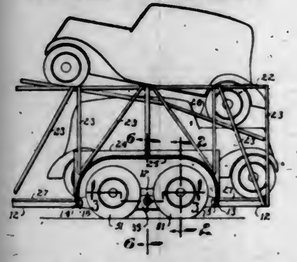
1. A circuit breaker including, an elongated body of non-conducting material, a pair of electrical contacts mounted on the body and having their inner ends extending in parallel spaced relationship at the central portion of the body, a unitary bi-metallic circuit closing element operable in one direction to move into gripping engagement with the contacts to close the electrical circuit therebetween, and a spring element secured to the bi-metallic element and adapted to be placed under tension when said bi-metallic element is in circuit closing position, whereby said spring element effects an immediate disengagement of the bi-metallic element from the contacts when said bi-metallic element is overheated due to an overload or short circuit.

**2,121,244**
**QUICK COUPLING VALVE WITH RESILIENT COVER**
William A. Buckner, Fresno, Calif.
Application March 7, 1936, Serial No. 67,674
4 Claims. (Cl. 220—40)



1. In combination, a tubular body open at its upper end, a cover for the body comprising a rigid disc, a cross bar under the disc, the body having opposed helical grooves open to the top of the body to receive the ends of the bar when the cover is placed on the body whereby upon then rotating the cover the cross bar will move away from the cover, a central stem mounting for the cross bar, said stem projecting through the cover and having an enlarged head on its upper end, and an element of compressible material about the stem between and engaging the head and top of the cover.

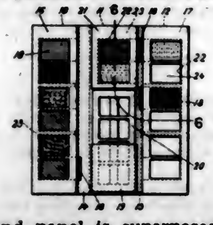
**2,121,245**
**TANDEM WHEEL TRAILER**
Lynn M. Francis, Birmingham, Mich., assignor to Mechanical Handling Systems Inc., Detroit, Mich., a corporation of Michigan
Application August 13, 1934, Serial No. 739,529
11 Claims. (Cl. 280—30)



3. A vehicle including a transverse axle, a walking beam horizontally disposed on one side of said vehicle and rotatably mounted on an end of said axle, a stub axle of generally L-shaped form, one end of said stub axle extending downwardly and secured to an end of said walking beam, the other end of said stub axle being above said walking beam and extending horizontally and outwardly of said vehicle, and a wheel on the end of said stub axle.

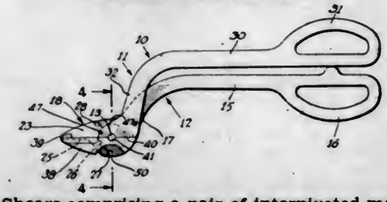
**2,121,246**
**SAMPLE BOOK**
David S. Gordon, Brooklyn, N. Y.
Application May 28, 1936, Serial No. 82,176
4 Claims. (Cl. 35—50)

1. In a sample book containing a plurality of background and foreground panels, each containing samples for comparison by superposition, a foreground panel having an aperture, and a sample extending across said aperture leaving unobstructed, portions thereof, whereby when



said foreground panel is superposed over said background panel, the background panel can be viewed through the aperture of said foreground panel on either side of the foreground sample.

**2,121,247**
**SHEET METAL SHEARS**
Ray O. Hooker, Fairmont, Calif.
Application July 20, 1937, Serial No. 156,544
1 Claim. (Cl. 30—257)



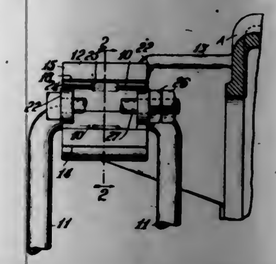
Shears comprising a pair of interpivoted members having handles, and jaws offset from said handles and provided with shearing edges, one of said jaws having a cylindrical counter-sunk opening partially extending therethrough forming a bearing surface having a base, the second jaw being formed with a cylindrical boss received within said counter-sunk opening and bearing against said base, said first jaw further having an offset portion formed with a part-cylindrical surface forming a continuation of the cylindrical surface of said counter-sunk opening, and being formed with a radial shoulder on one end of said part-cylindrical surface, the second jaw having a curved portion engaging said part-cylindrical surface, and a shoulder at the end of said curved portion adapted to contact said first shoulder to limit relative angular movement of said members, said jaws having co-axial through openings at the axes of said cylindrical opening and cylindrical boss, a bolt within said through openings, one of said jaws being counter-sunk to receive the head of said bolt, said last mentioned jaw having an offset formed with a surface having a groove co-axial with said last mentioned counter-sink to receive the head of said bolt, upon inserting said bolt into the through opening of said jaw.

**2,121,248**
**BRAKE HANGER RETAINER**
Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application November 14, 1936, Serial No. 110,842
8 Claims. (Cl. 188—209)

1. A brake hanger retainer comprising, in combination with a truck frame provided with vertically spaced laterally disposed lugs, the outer

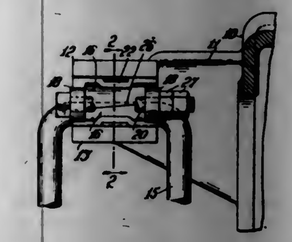


ends of the lugs on their opposing faces being each provided with a tapering flange, the flanges of the lugs tapering in opposite directions; a pair of complemental members arranged in superposed relation between said lugs and each being grooved longitudinally to combinedly provide a hanger receiving socket, the members having oppositely tapering flanges adapted to engage the



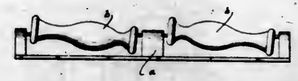
tapering flanges of said lugs, each member having a laterally disposed apertured lobe; and means adapted to extend through the apertures of the lobes and tend to cause the tapered flanges of the members to move lengthwise of the tapered flanges of said lugs and thereby force the complemental members toward the inner ends of said lugs.

**2,121,249**
**RETAINER MEANS FOR BRAKE HANGERS**
Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application November 14, 1936, Serial No. 110,843
5 Claims. (Cl. 188—209)



1. Brake hanger retainer means of the character described comprising, in combination with the hanger-receiving socket on the truck frame, a pair of complementary members increasing in thickness from one end to the other with the enlarged end provided with a laterally disposed apertured lobe, one face of each member being provided with an arcuate groove extending from end to end of the member adapted to receive a brake hanger, while the opposite face of each member is provided with surfaces adapted to effect gripping relation with the adjacent wall of the socket, and adjustable means adapted to extend through the lobes of both members and to effect pressure on both members in opposite directions whereby one member is made to ride upwardly on the other and both members caused to exert a wedging action in a vertical direction against the upper and lower walls of said socket.

**2,121,250**
**DEVICE FOR THE MASSAGE OF THE FOOT MUSCLES**
Alfred Koschwitz, Leipzig, Germany
Application June 28, 1937, Serial No. 150,720
1 Claim. (Cl. 128—57)



A massage device comprising a base provided with upstanding and axially spaced bearing members, a pair of elongated massage rollers arranged in axially spaced relation to each other above said base, each of said rollers being provided with supporting means extending from each end thereof and resting on said bearing members, said supporting means being arranged in opposed vertically spaced relation from opposite ends of the rollers and on opposite sides of the axis of the rollers to result in a tumbling movement of said rollers during reciprocal movement of the feet of the user of the device.

**2,121,251**
**INVISIBLE SUSPENDER**
Harry C. Lyons, Mount Vernon, N. Y.
Original application February 11, 1936, Serial No. 63,303. Divided and this application March 23, 1937, Serial No. 132,478
1 Claim. (Cl. 241—25)

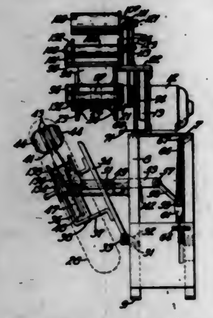


In combination with the waistband of a pair of trousers, a holding member connected at spaced points to the inner surface of said waistband, suspenders having a hook-member at an end thereof, said hook-member being shaped and adapted to be passed between the inner surface of the waistband and said holding member so that said holding member is engaged by said hook-member, and a shirt located exterior to said suspenders, said shirt having a portion thereof located in said hook-member and between said hook-member and said holding member, said holding member having a vertically elongated cross-section with a longitudinally extending upper edge, the opening of said hook-member being constricted, said constriction being so located that said hook-member will clamp a portion of the material of the shirt against said longitudinally extending upper edge, to hinder separation between said holding member and said hook-member.

**2,121,252**
**TIRE RETREADING MACHINE**
Fred William Marco, Albany, Calif., assignor, by mesne assignments, to Kite Mold Company, Los Angeles, Calif., a corporation of California
Application November 23, 1936, Serial No. 112,205
11 Claims. (Cl. 154—9)

1. A tire retreading machine comprising a stand, a driven roller supported on said stand, a frame pivotally mounted on said stand, an

idler roller, upon which a tire casing may be supported, rotatably mounted on said frame, said frame and idler roller being movable from a position adjacent said driven roller to a posi-



tion removed therefrom, and means for guiding a strip of material between said driven roller and said casing when said frame and idler roller are in said position adjacent said driven roller.

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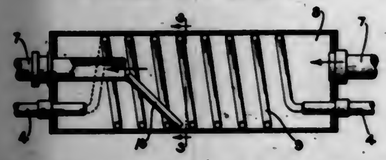
2,121,253

**HEAT EXCHANGER AND ACCUMULATOR**

**Orion S. McGuffey, Lansing, Mich., assignor to Kold-Hold Manufacturing Company, Lansing, Mich., a corporation of Michigan**

**Application April 6, 1936, Serial No. 72,922**

**4 Claims. (Cl. 62—115)**



1. The combination with a refrigerating system including an evaporator, a compressor, and a conduit extending between them, of a chamber located remote from the space to be cooled interposed in said conduit and in communication therewith, the communication leading from the chamber to the compressor being through the outlet, said chamber having a portion of considerable capacity located below said outlet, and an element having one end located at said outlet in the path of the flow of gas therethrough and its other end located in the lower part of said chamber, said element acting to convey liquid from said chamber to said outlet by action of capillary attraction and the movement of gas past its body.

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2,121,254

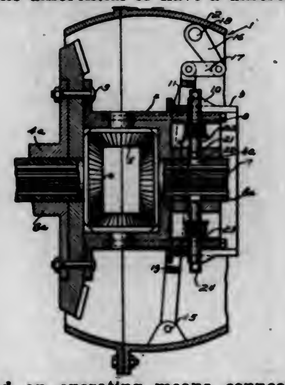
**LOCKING DIFFERENTIAL**

**Arthur E. Meinke, Minneapolis, Minn.**

**Application June 1, 1937, Serial No. 145,868**

**7 Claims. (Cl. 74—316)**

1. In combination with a differential including a spider cage carrying spider gears meshing with axle gears and the hub of one of the latter-named gears having openings, locking pins slidably mounted in said cage, springs acting on said pins to urge them into the openings of one of the axle gears, a slotted sleeve slidable on the cage and having the pins extending therethrough, cams carried by said sleeve to engage the pins for disengaging the pins from the openings to permit the differential to have a differential ac-



tion, and an operating means connected with said sleeve.

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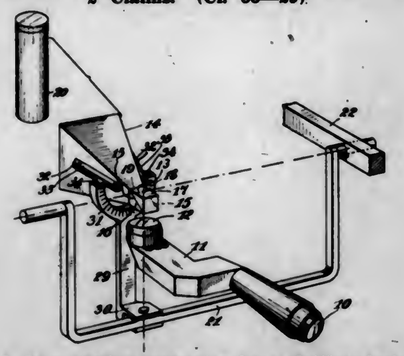
2,121,255

**MIRROR SUITABLE FOR MAP PLOTTING DEVICES**

**Osborn M. Miller, New York, N. Y., assignor of one-half to American Geographical Society, New York, N. Y., a corporation of New York**

**Application August 8, 1935, Serial No. 35,251**

**2 Claims. (Cl. 88—29)**



1. In a viewing apparatus for a plotting device the combination with an index mount providing a beam of light, of a plate holder for a plate providing a second beam of light, a partially-reflecting mirror in the path of the first beam and set at an angle to the second beam to deflect by reflection the second beam into the path of the first beam, a screen across the first beam between the index mount and mirror and provided with a pinhole to pass a pencil of light of the first beam to merge with the deflected second beam, an eye piece into which the merged beams pass, and lenses between the eyepiece and mirror serving to bring the virtual eye viewing the beam from the eye piece to the pinhole.

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2,121,256

**SHEAVE BLOCK CONSTRUCTION**

**Burt S. Miner, San Pedro, Calif., assignor to Regan Forge & Engineering Company, a corporation of California**

**Application January 27, 1936, Serial No. 60,989**

**14 Claims. (Cl. 254—192)**

1. A sheave block construction embodying: a frame; vertically spaced sheave supporting means in said frame; two groups of equal diameter sheaves mounted on said sheave supporting means; and plate means interposed between the successive sheaves in said groups and cooperating with said frame to support said sheave support-



ing means, the sheaves in said upper group being spaced in horizontally staggered relation with the sheaves in said lower group, and the complete sheave assembly comprised of the plates and sheaves of both groups being arranged so that its overall width is less than the combined thickness of the individual plates and sheaves therein.

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2,121,257

**WALKING HOBBYHORSE**

**Edward P. O'Donnell, Oklahoma City, Okla., assignor to R. F. Kelley, Tulsa, Okla.**

**Application October 10, 1936, Serial No. 105,128**

**9 Claims. (Cl. 272—53)**



1. A hobby horse comprising a body portion including pivotally united front and rear sections having leg portions, means for yieldably supporting the adjacent faces of the sections in contact with each other, a saddle spanning the junction of said sections and adapted to be depressed by the weight of a rider for separating the lower portions of the sections to permit forward movement of the front legs of the horse, stirrups depending from the front section, an actuating member operatively connected with the stirrups, and a flexible connection between the actuating member and said rear section for moving the lower portions of the sections together and advancing the rear legs of the horse when the weight of the rider is transferred to the stirrups.





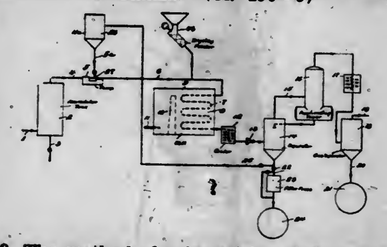
2,121,258

**POLYMERIZATION OF HYDROCARBON GASES**

**Rudolph C. Osterstrom and Cary R. Wagner, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio**

**Application December 14, 1929, Serial No. 414,198**

**9 Claims. (Cl. 196—9)**



9. The method of polymerizing olefin-containing hydrocarbon gases which comprises continuously passing a stream of such gases through a polymerizing zone wherein the gases are maintained under superatmospheric pressure and at a temperature in excess of 300° F. but not appreciably above 1000° F. for a period of time sufficient to convert a substantial portion of said gases to liquid hydrocarbons, reducing the pressure on the products discharged from said zone, separating the heavier liquid polymers from the lighter and more volatile polymers, and mixing with said gases prior to polymerization said heavier polymers, said heavier polymers being substantially the only liquid hydrocarbons mixed with said gases.

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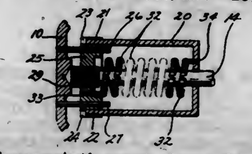
2,121,259

**THERMOSTATIC ELEMENTS**

**Fred A. Parsons, Milwaukee, Wis.**

**Original application June 26, 1930, Serial No. 463,976. Divided and this application May 24, 1934, Serial No. 727,256**

**11 Claims. (Cl. 297—16)**



1. A thermostatic control member comprising a bimetallic strip twisted to form a helicoidal member which is coiled in a generally helical form.

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2,121,260

**LIGHTING CONSTRUCTION**

**Paul D. Phillips, Elmhurst, Ill., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill., a corporation of Illinois**

**Application January 30, 1936, Serial No. 61,445**

**1 Claim. (Cl. 240—143)**

A lighting construction comprising a hood, a wiring base in and carried by said hood having contacts thereon, a reflector member, a lamp socket carried thereby having contacts for engaging the contacts on the wiring base, bayonet joint means whereby the reflector carrying the socket may be connected and disconnected with respect to the hood and wiring base by rotation about the axis of the reflector, spring means acting on the wiring base to hold its contacts in engagement with the contacts on the lamp

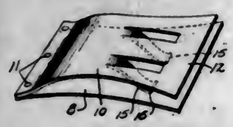
socket, said bayonet joint connection having a cam engagement with the hood which in cooperation with the spring causes an in-and-out movement of the wiring base both on the connecting and disconnecting movement, and spring latching means for positively holding the bayonet joint in connected position accessible for releasing operation from the exterior of the hood,



said hood having a guideway in its side wall extending longitudinally of the axis of the hood, said latching means comprising a plunger slidably mounted in said guideway, said plunger being provided with a lateral projection adjacent the upper end of the hood whereby the plunger may be held in raised position by the hand gripping the hood and disconnecting the reflector from the hood.

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2,121,261
**SPRING SHANK FOR SHOES**
George A. Reilly and John G. Novak, Milwaukee, Wis.
Application December 5, 1935, Serial No. 52,934
4 Claims. (Cl. 36—76)

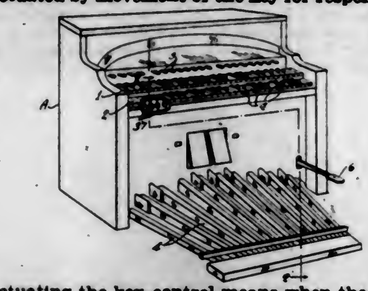


1. A spring shank for shoes comprising the combination of a shank stiffener plate of relatively rigid stock formed upwardly convex, and an arch supporting spring having its rear end in flat face contact with said plate and thence arching with greater convexity than said plate toward the forward end thereof, the forward end of the spring being free of the plate, means securing the rear end of the spring to the rear end of the plate with sufficient rigidity so that the resilience of the spring contributes to the arch supporting function thereof independently of the contact of the forward end of the spring with the plate, and a spring tongue formed integrally from the spring and extending intermediate the ends thereof into sliding bearing contact with the plate to provide supplemental arch support.

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2,121,262
**ORGAN KEY-CONTROL APPARATUS**
Robert G. Riesmeyer, Clayton, Mo.
Application November 27, 1936, Serial No. 112,956
15 Claims. (Cl. 84—441)

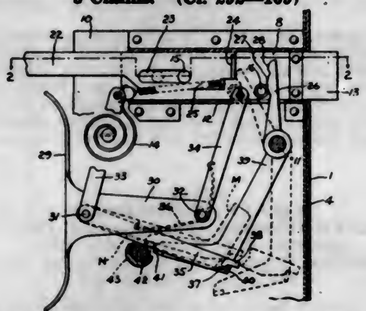
1. In combination with an organ having a plurality of keys, key-control means associated with a selected organ key for retaining the key in a predetermined position, means for conditioning the key-control means for operation, and means actuated by movement of the key for responsively



actuating the key-control means when the latter has been conditioned for operation.

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2,121,263
**DOOR LOCK**
Frederick Noel Robertson, Vancouver, British Columbia, Canada
Application April 20, 1936, Serial No. 75,377
5 Claims. (Cl. 292—169)



3. A door lock having a latch bolt, an outer and an inner handle for retracting said latch bolt, a spindle operatively connecting the outer handle to the latch bolt, and means as the inner handle is turned in an abnormal direction for disrupting the connection between the outer handle and the spindle and for preventing the movement of the outer handle.

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2,121,264
**AUTOMOBILE AWNING**
Albert L. Rubottom, Kansas City, Mo.
Application June 24, 1936, Serial No. 86,993
9 Claims. (Cl. 156—15)

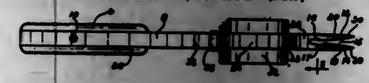


1. An awning constructed for quick attachment to an automobile body provided with an inclined front wall having a window therein with a windshield thereover, said awning comprising a canopy; means along one edge of the canopy for attaching the same to the inclined front wall of said automobile body above and rearwardly of the windshield; and a plurality of brackets on the canopy at the opposite edge thereof for attaching that edge to the body of the automobile below and forwardly of the windshield to dispose the awning in overhanging inclined relation with the windshield, said one edge of the canopy being spaced above the automobile body a sufficient distance to permit the escape of air from beneath the canopy when the automobile is traveling.



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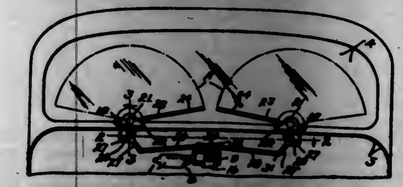
2,121,265
**WEEDER**
Charles B. Ruffcorn, Seattle, Wash.
Application February 6, 1936, Serial No. 62,670
3 Claims. (Cl. 254—132)



2. A weeding tool comprising a bar, one end forming a handle, a fulcrum adjacent the other end, the opposite end being bifurcated and having on each of its inner walls a rearwardly directed barb, said barbs lying in staggered relationship with each other.

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2,121,266
**WINDSHIELD CLEANER**
Theodore J. Scofield, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application February 1, 1937, Serial No. 123,341
2 Claims. (Cl. 74—78)



1. A transmission mechanism for operatively connecting an actuating member to a pair of driven elements comprising a pair of shafts mounted in telescopic relation to rotate with respect to each other about a common axis, means including a pair of drive members mounted to reciprocate through definite strokes in a direction substantially normal to said axis for operatively connecting the shafts with the actuating member whereby said shafts will be simultaneously rocked in opposite directions, and means including a linkage mechanism for operatively connecting each of said shafts with a respective one of said driven elements.

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2,121,267
**ROTARY, STRAIGHT-PULL JAR ASSEMBLY**
Donald U. Shaffer, Pico, Calif.
Application June 25, 1937, Serial No. 150,289
17 Claims. (Cl. 255—27)

1. A well string jar assembly including: a hammer section and a relatively telescopic anvil section to be jarred thereby and a mandrel section, having means to engage a fish held in a well hole, on which the anvil section is telescopic between limits, a coupling means for tensionally connecting the hammer and the anvil sections in hammer spaced relation, and a yieldable bolster device slidably combined with the mandrel and releaseably holding said connecting means in effective position and adapted to release the coupling means under a predetermined tension,



and permit spring of the hammer to its anvil and thereby jar the connected mandrel.

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2,121,268
**VALVE FOR WELL TESTING TOOLS**
Donald U. Shaffer, Pico, Calif.
Application July 16, 1937, Serial No. 153,952
18 Claims. (Cl. 166—1)



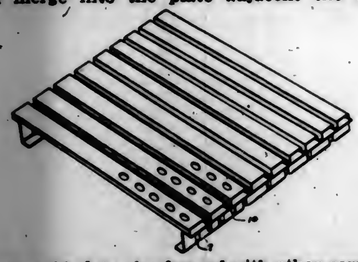
1. A well testing tool valve including a mandrel section, a rotative, tubular housing section, the latter having coaxial, spaced inner, annular seat members, and a valve head connected to the mandrel section and having axially spaced, closing faces respectively complementary to said seats and being movable from a closing position on either seat to an intermediate open position.

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2,121,269
**REFRIGERATOR CAR FLOOR RACK**
Vinton E. Sisson, Winnetka, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application December 1, 1936, Serial No. 113,679
5 Claims. (Cl. 105—375)

1. In a refrigerator car having a wall with a flue adjacent thereto, a floor rack for supporting the car lading so as to provide a space between the lading and the floor of the car communicating with said flue, comprising spaced apart stringers supporting a foraminous floor and means to induce an air current from said flue through said space and said foraminous floor, each of

said stringers comprising a metallic plate provided with an upper flange for attachment to the foraminous floor and a lower flange for engagement with the floor of the car, said plate formed with corrugations which spring from one flange and merge into the plate adjacent the other



flange, said plate also formed with other corrugations which spring from said other flange and merge into the plate adjacent the first mentioned flange, said first and last mentioned corrugations being substantially uniformly distributed over the length of the stringer.

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**2,121,270**
**PUTTING GAME**
**Philip A. Streich, Oshkosh, Wis.**
**Application April 6, 1936, Serial No. 72,844**
**1 Claim. (Cl. 273—32)**

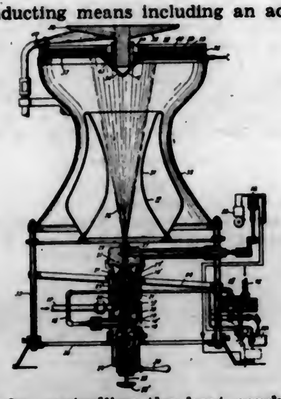


A hole structure for a putting game comprising a cup-shaped body portion, the bottom of which is adapted to rest on a playing surface, an annular rim in connection with the upper peripheral edge of said cup-shaped body, said rim being inclined downwardly into contact with the playing surface to form an annular pathway for directing a moving ball from the playing surface up into the cup-shaped body, the bottom of said cup-shaped body having a central projection formed with a hole in its tip, and there being auxiliary openings in said bottom surrounding said projection into one of which a ball is adapted to be directed, said auxiliary openings having different values for scoring purposes, a stake extending through said hole in the tip of the projection and into the playing surface to removably anchor the structure in position, said central projection being formed with sloping sides to direct the ball away from the stake and into one of the auxiliary openings, the upper end of said anchoring stake projecting substantially above the cup, and a marking flag carried by the upper end of said anchoring stake.

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**2,121,271**
**HYDROCARBON BURNER**
**Basil V. Szabó, Jamaica, N. Y., assignor of forty percent to Wilfred C. Rasmussen, New York, N. Y.**
**Application February 9, 1934, Serial No. 710,507**
**6 Claims. (Cl. 158—28)**

1. In a hydrocarbon burner having a combustion zone, the combination of a fuel chamber, means separating said chamber from said combustion zone, a member in the fuel chamber for heating said fuel, and means for conducting heat from the combustion zone to said member, said heat conducting means including an adjustable



member for controlling the heat conduction to the fuel heating member.

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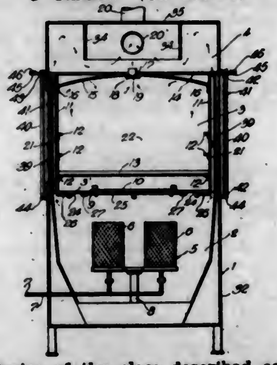
**2,121,272**
**METHOD OF PRODUCING SOUND REPRODUCING NEEDLES**
**Louis E. Turner, Chicago, Ill.**
**Application January 28, 1935, Serial No. 3,709**
**1 Claim. (Cl. 29—169.5)**



That improvement in producing a needle for reproducing sound which consists in fusing a tip of comparatively hard wear-resisting metal to a shank of softer metal and then retempering the entire shank after the tip has been fused thereto.

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**2,121,273**
**HEATING AND COOKING UNIT**
**Joseph Uhl and Richard Porrman, Chicago, Ill.**
**Application April 21, 1937, Serial No. 138,251**
**8 Claims. (Cl. 126—6)**

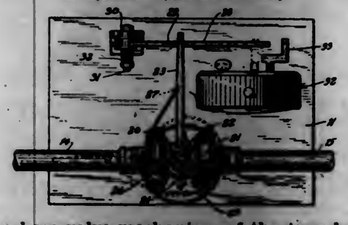


2. A device of the class described comprising a housing, a fire box mounted in the lower portion of said housing and spaced therefrom, burners mounted in said fire box, an oven mounted in said housing above said fire box and spaced from said housing, an I shaped chamber mounted above said housing and adapted to enclose the upper end of said oven, baffles extending downwardly from the upper wall of said chamber in spaced relation with the top wall of said oven, pipes mounted on the side and back walls of said oven adapted to form communication between said fire box and said chamber, and means for controlling the flow of heat to said pipes.



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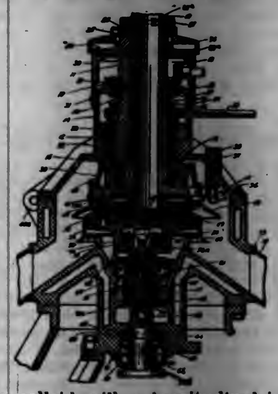
**2,121,274**
**AUTOMATIC TIME VALVE**
**Carl I. Young, Denver, Colo.**
**Application October 31, 1936, Serial No. 108,572**
**1 Claim. (Cl. 251—149)**



In a hose valve mechanism of the type having a plug valve, a handle therefor, a spring for rotating said handle 90° to actuate said valve, means for allowing the position of said handle to be changed on said plug valve to adapt said mechanism for either opening or closing said valve as desired, comprising: a disc on said plug valve; a threaded attachment stud projecting axially from said disc; a locating pin projecting from said disc to one side of said stud, said handle being provided with an axial opening for the passage of said stud and with a pair of openings for the reception of said pin, said latter openings being equally spaced from said axial opening and spaced 90° from each other so that said handle may be placed thereon in either of two 90° positions; and a nut threaded on said stud for holding said handle on said pin.

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**2,121,275**
**COLLOID MILL**
**Benjamin Zober, Brooklyn, and Thomas Garvey, Long Island City, N. Y.**
**Application May 3, 1935, Serial No. 19,632**
**5 Claims. (Cl. 83—7)**



3. In a colloid mill, a longitudinal inlet head, a stator stone secured to said inlet head, a sleeve having an eccentric aperture movably receiving said inlet head, which said eccentric sleeve is driven by means of gear and pinion, a forked member, a tail rod unitary with said inlet head registering in said forked member for retaining said inlet head in oscillating position when said eccentric sleeve is rotated, a self-aligning rotor supporting a rotor stone beneath said stator, a universal joint engaging said rotor and a main drive shaft, and resilient means on said stator longitudinally movable and urging said stator stone into co-operative engagement with said rotor stone.

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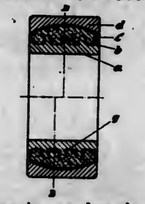
**2,121,276**
**SIGNAL**
**Charles Adler, Jr., Baltimore, Md.**
**Application June 1, 1932, Serial No. 614,817**
**Renewed April 29, 1938**
**1 Claim. (Cl. 177—329)**



A signal comprising a housing having a door, a cover glass constituting a signal area carried by said door, a ring member detachably carried by said door on the inner side of said cover glass, a reflector having its open end adjacent to said ring, a screen attached to the latter and extending toward the reflector with its free edge adjacent thereto, means on the ring for permitting the support of an elongated filament tubular lamp on each side of the screen and adjacent and substantially parallel thereto, said means also permitting the connection of the lamps in parallel.

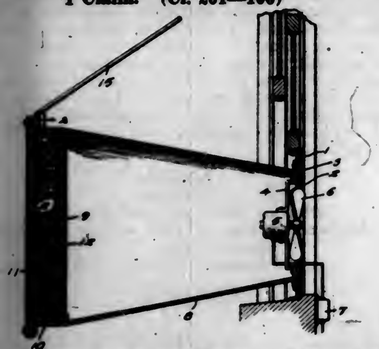
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**2,121,277**
**BEARING**
**Karl Albrecht, Berlin-Niederschoneweide, and Heinrich Böhlk, Berlin-Friedenau, Germany, assignors to Ernst Bisterfeld, Radevormwald, Germany**
**Application May 12, 1936, Serial No. 79,340**
**In Germany May 13, 1935**
**1 Claim. (Cl. 308—72)**



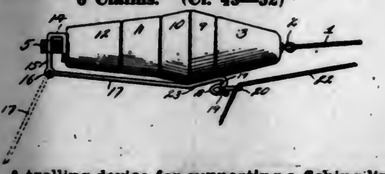
In a plain bearing, a bearing unit comprising an undivided outer bearing ring, an undivided inner supporting ring and a rigid undivided inner bearing ring of artificial resin material formed by pressing said material concentrically between the outer bearing ring and the inner supporting ring so that the shrinkage of the artificial resin material forms the clearance between the inner and outer bearing rings, said inner supporting ring having a plurality of anchoring ribs thereon embedded in the ring of artificial resin material, said ribs having ring-shaped indentations therein, for unreleasably connecting the inner supporting ring to the bearing ring of artificial resin material, so as to prevent the inner bearing ring from becoming detached from the supporting ring owing to differential expansion.

**2,121,278**
**AIR CONDITIONER**
**Eugene W. Babcock, Woodlake, Nebr.**
**Application January 9, 1937, Serial No. 119,862**
**1 Claim. (Cl. 261—106)**



An air conditioner comprising a substantially conical shaped casing extending from a window of a building and arranged exteriorly of the latter, a plate mounted on one end of said casing and having an opening in alignment with the casing, a power driven fan moupted on the plate and arranged in the opening, extension plates adjustably secured on the plate to be adjusted against the window, a frame mounted on the other end of the casing, a screen located between the frame and casing for closing the last-named end of said casing, a second screen mounted in the frame and spaced from the first screen, fibrous material filling the space between said screens, and a perforated water supply pipe embedded in the fibrous material and located in the upper portion of the frame.

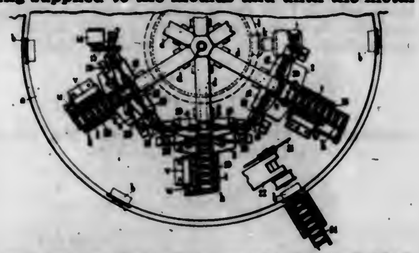
**2,121,279**
**TROLLING BALLAST**
**George Beck, Irvington, N. J.**
**Application December 27, 1937, Serial No. 181,960**
**6 Claims. (Cl. 43—52)**



1. A trolling device for supporting a fishing line and maintaining the same submerged, said device comprising a weighted body, means for towing said weighted body to the rear of a boat and means carried by the weighted body and directly cooperating with a fishing line for detachably holding and supporting said fishing line.

**2,121,280**
**MANUFACTURE OF STEEL OR OTHER METAL BILLETS, BARS, OR THE LIKE**
**William Charles Bell, Wolverhampton, England, assignor to Stewarts and Lloyds Limited, Glasgow, Scotland**
**Application March 29, 1937, Serial No. 133,693**
**In Great Britain April 6, 1936**
**6 Claims. (Cl. 22—57.2)**

1. Apparatus for the continuous manufacture of steel or other metal billets, bars or the like, comprising the combination of a plurality of horizontal moulds, a hollow conduit communicating at one end with the moulds and adapted to serve as a feeder through which molten metal can be continuously supplied to all of the moulds, removable caps for temporarily closing the delivery ends of the moulds while molten metal is being supplied to the moulds and until the metal



in the delivery ends of the moulds has solidified, reciprocatory carriages for supporting the solidified metal withdrawn from the moulds, means associated with the carriages whereby the caps are held in and removed from their operative positions, and means adapted to withdraw the metal from the moulds by acting on the solidified metal exposed when the caps are removed from their operative positions.

**2,121,281**
**FAUCET**
**José Vidal Bosque, Habana, Cuba**
**Application July 27, 1936, Serial No. 92,871**
**1 Claim. (Cl. 277—42)**



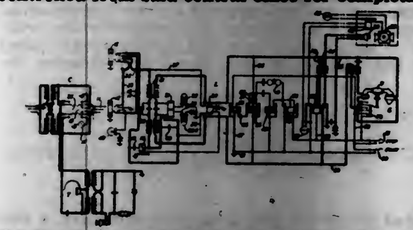
In a faucet, a pipe, a spring-controlled valve within said pipe, a support independent of said pipe, a spring-controlled rod for opening said valve slidably mounted in said support, said support being separable from said pipe, yieldable spring-controlled sealing means interposed between said support and said pipe to prevent escape of liquid when said pipe and support are in engagement and when said valve is opened, a discharge pipe, a shutter plate for closing said discharge pipe, and means for actuating said shutter plate when said rod is operated.

**2,121,282**
**COMBINED TELEPHONE AND FIRE ALARM SYSTEM**
**Raymond Carter Bradford, Hamden, Conn., assignor to American Telephone and Telegraph Company, a corporation of New York**
**Application December 12, 1936, Serial No. 115,607**
**10 Claims. (Cl. 179—5)**

4. In a combined telephone and fire alarm system, a central office, a subscriber's station, a line circuit interconnecting said central office and said subscriber's station, a signal located at a point remote from said subscriber's station, a relay controlling the operation of said signal, a second relay, means at said subscriber's station for causing said relays to operate and lock in a series circuit, said second relay preparing



a shunt for said first relay and said first relay causing the operation of said signal, and means controlled from said central office for completing



the shunt prepared by said second relay to cause the release of said first relay and the effacing of said signal.

**2,121,283**
**INSULATING MEMBER FOR ELECTRIC HEATING ELEMENTS**
**Etienne Challet, Paris, France, assignor of one-fourth to Entreprises Electriques Fribourgeoises, Fribourg, Switzerland, a company of Switzerland**
**Application March 29, 1937, Serial No. 133,709**
**In Switzerland April 6, 1936**
**7 Claims. (Cl. 173—23)**



1. An improvement in the type of insulating members for heating elements that has a cavity for the heating coil; said improvement comprising a flat base provided at one end with a lower tongue and at the other end with a recess adapted to receive the tongue of another insulating member in order that a plurality of members may be arranged consecutively and fitted into each other to form a sheath for an electric heating element, and each further having two end shoulders respectively above said tongue and said recess, and two outer side walls.

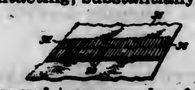
**2,121,284**
**OVEN DOOR**
**Etienne Challet, Paris, France, assignor of one-fourth to Entreprises Electriques Fribourgeoises, Fribourg, Switzerland, a company of Switzerland**
**Application March 29, 1937, Serial No. 133,712**
**In Switzerland April 6, 1936**
**2 Claims. (Cl. 126—196)**



2. An oven door according to claim 1, having slots in which the hinge pin is adapted to slide, the resilient means comprising four metal rods and a spring arranged to form an articulated parallelogram in the body of the door, which abut against the lower pin and against the upper edge of the door, said spring means tending to bring the parallelogram back to its initial position and calculated to balance the weight of the door.

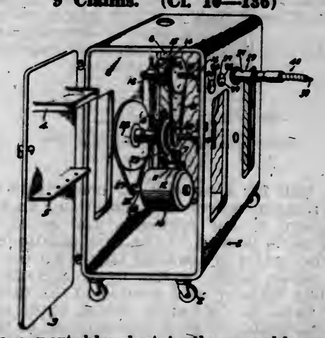
**2,121,285**
**FABRIC**
**Ralph R. Cone, Chicago, Ill., assignor to Harold Millbank, New York, N. Y.**
**Application September 1, 1937, Serial No. 161,890**
**10 Claims. (Cl. 112—1)**

1. An unwoven tape-like body adapted for use in the production of pile fabrics comprising a plurality of contacting, substantially parallel textile



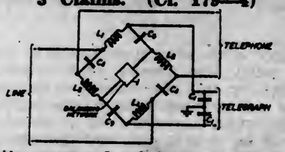
threads arranged transversely of the body and a water soluble adhesive uniting said threads.

**2,121,286**
**PORTABLE ELECTRICALLY CONTROLLED TAPPER**
**Ferdinand Cordes, Los Angeles, Calif.**
**Application October 25, 1937, Serial No. 170,737**
**9 Claims. (Cl. 10—136)**



1. In a portable electrically operable machine for tapping holes of various drilled depth and at the completion of the tapping operation having the direction of movement of the tap reversed whereby it is withdrawn out of the hole, a portable cabinet, a detachable panel fastened to a wall of said cabinet, driving mechanism fastened to said panel and withdrawable therewith from said cabinet, a tapping tool, flexible driving means connecting said tool and said driving mechanism, means to actuate said tool thru the medium of said flexible means and said driving mechanism, and means mounted adjacent said tool for automatically reversing the direction of rotation of said driving mechanism upon completion of a tapping operation.

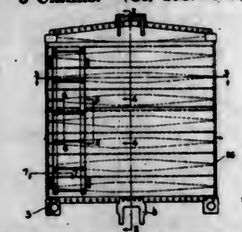
**2,121,287**
**COMPOSITE SET**
**Frank Augustus Cowan, New York, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York**
**Application March 3, 1937, Serial No. 128,839**
**3 Claims. (Cl. 179—4)**




1. Static means for interconnecting a transmission line with a telegraphic circuit and a telephone circuit, said means including a line balancing network and a Wheatstone bridge, each arm of said bridge comprising an inductance and a capacity in series, said arms being connected so that at each junction of two arms of said bridge an inductance of one arm connects with a capacity of the other arm whereby in addition to the usual balance and frequency discrimination between the telegraphic and tele-

phone circuits, discrimination against the dissipation of both telegraphic and telephone currents in the line balancing network is obtained.

2,121,288
**WALL STRUCTURE FOR RAILWAY CARS**
Garth G. Gilpin, Riverside, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application April 2, 1937, Serial No. 134,592
8 Claims. (Cl. 105—410)



1. A wall for a railway car comprising spaced apart frame members each comprising an arm for attachment to car elements, and another arm having parts normal to the first mentioned arm and other parts alternating therewith positioned at an acute angle, a flat inner metallic sheet extending between and secured to the first mentioned part, an outwardly bowed outer metallic sheet extending between and secured to the last mentioned part, and a plurality of struts positioned between and secured to said sheets which extend between and are secured to said frame members.

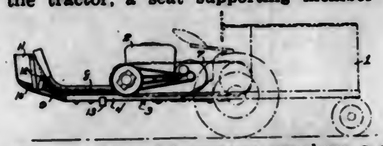
2,121,289
**BALANCE ADJUSTMENT FOR TENNIS RACKETS**
Leslie Reginald Gleadall, Bankstown, State of New South Wales, Australia
Application May 15, 1937, Serial No. 142,922
In Australia May 23, 1936
7 Claims. (Cl. 273—73)



1. Weight and balance adjustment means associated with the handle of a tennis racket, cricket bat, or the like having a hollowed portion; said means comprising a longitudinally split weight gripping cartridge of a tubular shape adapted to be snugly disposed detachably within and longitudinally of the hollowed portion of the said handle and at least one weighting piece detachably arranged in selected location within said cartridge.

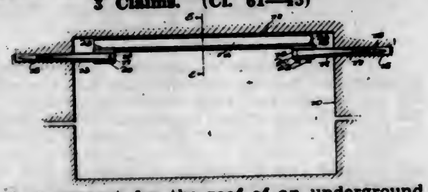
2,121,290
**MOUNTING**
Louis I. Guion, Jr., Lugoff, S. C.
Application July 19, 1937, Serial No. 154,491
1 Claim. (Cl. 280—150)

A mounting of the character described comprising parallel members detachably secured on a tractor, transverse members connecting the parallel members and certain of said transverse members forming supports for an apparatus to position the latter in close proximity to the tractor so that it may be belted onto a power takeoff of the tractor, a seat supporting member se-



cured to one of said transverse members, a seat carried by said seat supporting member and positioned rearwardly of the parallel members, a back rest carried by said seat, and a transverse member secured to the parallel members and projecting at each end beyond said parallel members to form foot rests.

2,121,291
**ROOF SUPPORT FOR UNDERGROUND PASSAGEWAYS**
Frank J. Habe, Rimersburg, Pa., assignor of one-half to Eli Racusin, Rimersburg, Pa.
Application February 2, 1938, Serial No. 188,384
3 Claims. (Cl. 61—45)



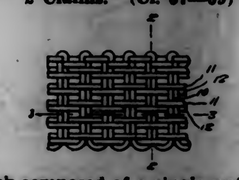
1. A support for the roof of an underground passageway, comprising an intermediate roof supporting beam or header, a pair of anchor bars for extension into conformable wall openings of the passageway below its roof, the bars being arranged and opposed in aligned relation and having elongated tapering flattened sides and portions projecting into the passageway provided with polygonal heads, tapering wedge strips mating the flattened sides of said bars and when driven into the wall openings serving to securely hold the bars against accidental withdrawal or turning movements, beam holding seat blocks carried by the projecting headed ends of the bars to receive thereon the ends of the supporting beam or header, having means to engage the supporting beam ends for preventing their accidental lateral displacement, each of said seat blocks having a lower angular flange extending along one side and the bottom of its respective head, the free end of said flange projecting beyond the adjacent side of the head to form between the same and its seat block a guide channel for the respective wedge strip, and one at least of said seat blocks being adjustable lengthwise of, and removable from, its respective supporting bar and provided with means for clamping the same in connection with the bar.

2,121,292
**MAGNESIUM ALLOYS CONTAINING CERIUM AND OTHER ELEMENTS**
John Leslie Haughton and William Eliezer Prytherch, Teddington, England
No Drawing. Application April 20, 1937, Serial No. 138,064. In Great Britain May 5, 1936
1 Claim. (Cl. 75—168)

Magnesium rich alloys containing between 2 and 12 per cent. of cerium, a proportion of 0.1 to 8 per cent. of at least one metal selected from the group nickel and cobalt, a proportion of manganese of between 0.1 to 4 per cent., and a proportion of calcium up to 5 per cent., the balance being magnesium.



2,121,293
**WICK FOR LIQUID FUEL BURNERS**
Norman E. Heil, Ridgewood, N. J.
Application February 23, 1937, Serial No. 127,229
2 Claims. (Cl. 67—69)



1. A wick composed of a single weft strand including spaced pairs of vertical runs, and horizontal warp strands alternately interwoven over and under the respective pairs of said vertical runs, with the respective runs of each pair held in contacting engagement across the entire width of the wick to provide doubly thick prescribed runs to enhance capillary attraction.

2,121,294
**SYNTHETIC RESINOUS MATERIAL AND METHOD OF PRODUCING IT**
Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 14, 1935, Serial No. 21,381
19 Claims. (Cl. 260—99.46)

1. A reaction product of maleic anhydride with a reactive rosin compound having an arrangement of unsaturated chemical positions characteristic of rosin acids, the unsaturation of the product being reduced by hydrogen.

2,121,295
**GOLF CLUB**
Charles T. Jennings, Medford, N. J.
Application March 10, 1937, Serial No. 130,133
3 Claims. (Cl. 273—77)



1. A golf club including a transparent head having a transverse bore open at one end, a filler of distinctive color positioned in said bore and constituting a sight for proper alignment of the stroke, and means for closing said open end of the bore.

2,121,296
**MINER'S CAP**
Thomas R. Jones, Wilkes-Barre, Pa.
Application April 5, 1937, Serial No. 135,145
7 Claims. (Cl. 2—3)

1. A miner's cap comprising a crown and a rim, both of stiff insulating material, the lower margin of the crown fitting within the upper margin of the rim and stitched to the latter, and a band of flexible water-proof material secured between the margins of the crown and rim and



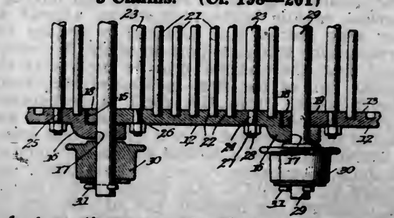
extending over the outer side of the rim and covering the stitches.

2,121,297
**BOOK**
Ralph H. Knaub, Brooklyn, N. Y., assignor to Amalgamated Textiles, Ltd., New York, N. Y., a corporation of Delaware
Application November 29, 1937, Serial No. 177,145
2 Claims. (Cl. 281—19)



1. In a book, a binder, a clip including a base and parallel resilient jaws projecting upwardly from the edges thereof, shoulders on adjacent faces of said jaws near the lower ends thereof, a plate engageable in said clip and snugly fitting therein below said shoulders, leaves carried by said plate and adapted to be frictionally held between said jaws and means to secure said clip in the back of said binder.

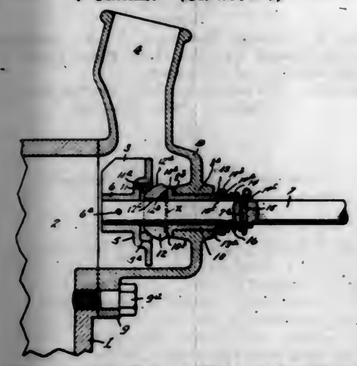
2,121,298
**BRIQUETTE COOLING CONVEYER**
Gustav Komarek, Chicago, Ill., assignor to Komarek-Greaves and Company, Chicago, Ill., a corporation of Illinois
Application April 19, 1937, Serial No. 137,872
5 Claims. (Cl. 198—201)



1. A continuous sectional cooling conveyer for briquettes including a series of longitudinally disposed guard plates constituting the sides of the conveyer, each plate having a smooth inner surface and provided at its inner side with a longitudinally extending offset portion, said offset portion being provided intermediate its ends with inwardly disposed spaced sockets, one end of the offset portion terminating in a transversely disposed boss and the other end provided with a laterally offset boss arranged to overlap the boss on the adjacent plate when the parts of the conveyer are set up, the overlapped bosses having registering openings, grid rods extending transversely of the conveyer and having their inner ends mounted in aligned sockets in each opposed pair of plates, and shafts extending through the openings in the aligned bosses for connecting the adjacent ends of the plates together, said shafts having rollers thereon for supporting the conveyer, said rods and shafts constituting a slatted

bottom for the conveyer and being correctly spaced to support the briquettes so as to prevent the latter from falling through the bottom, said rods and shafts also being disposed to provide a maximum amount of open spaces in the bottom effectively to cool the briquettes carried by the conveyer.

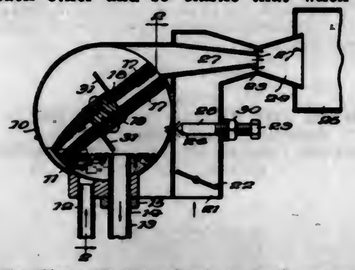
2,121,299
**SEALING MEANS**
Frederick W. Peters, Cleveland, Ohio
Application October 18, 1935, Serial No. 45,634
7 Claims. (Cl. 286—7)



1. The combination, with a rotatable shaft and a mounting for said shaft and within which said shaft is adapted to rotate, of a packing structure therefor comprising a sealing ring surrounding said shaft and having adjacent to one end a spherical surface directed toward said shaft and at its opposite end an annular bearing surface, a member surrounding the said shaft and attached thereto and having an annular seat surrounding and spaced from said shaft, an annular sealing ring within said seat and having a spherical sealing portion extending around an inner edge thereof and adapted to engage the corresponding spherical portion of the first-mentioned ring, the annular bearing surface at the opposite end of the first mentioned ring being radially spaced from the shaft, a cooperating bearing member surrounding the shaft and adapted to be engaged at one end by said annular bearing surface, a helical spring surrounding the shaft, a member driven by said shaft and engaged by one end of said spring, and a sealing ring engaging the opposite end of said bearing member and pressed into engagement therewith by said spring.

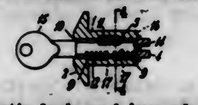
2,121,300
**APPARATUS FOR ATOMIZING**
Louis Peycru, Paris, France
Application December 11, 1934, Serial No. 757,077
In Luxemburg December 13, 1933
3 Claims. (Cl. 261—92)

1. In an atomizer, a chamber, means for supplying liquid to the chamber, means for maintaining a desired level of the liquid in the chamber, a rotating comb-like member in the chamber consisting of elastic blades mounted successively in alignment one after the other and in proximity to each other in the direction of rotation and in substantial parallelism with each other, said blades being suitably separated to pick up and hold some of the liquid between the blades when the blades dip into the liquid and are removed therefrom, and means for vibrating the elastic blades, the blades being sufficiently close to each other and so elastic that when they



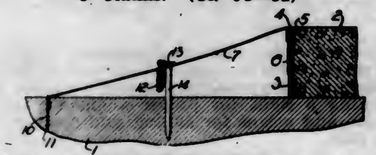
vibrate they will intershock in such manner as to throw out in the form of fine particles liquid picked up and held between or on the blades.

2,121,301
**MAGNETIC LOCK AND KEY**
Edwin Merchant Ratcliffe, Nottingham, England
Application March 8, 1937, Serial No. 129,698
In Great Britain March 12, 1936
6 Claims. (Cl. 70—276)



1. A magnetic lock and key wherein there is formed in the periphery of the barrel a series of grooves which are normally in alignment with another series of grooves provided in the bore of the lock casing, each pair of associated grooves having slidably mounted therein a cotter magnet which projects into both grooves of each associated pair and thereby locks the barrel to the lock casing, the said cottor magnets, when the key is inserted into the barrel, being acted upon by the key magnets so as to be moved into a position in which each cotter magnet is wholly within one groove of each pair of associated grooves, whereby the barrel is freed from the lock casing and can be rotated relatively thereto.

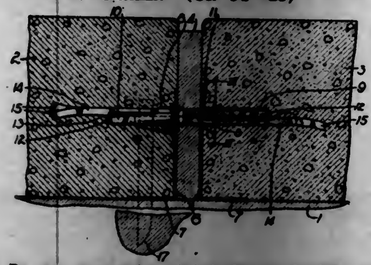
2,121,302
**ROAD JOINT BRACE**
Edgar C. Robertson, Western Springs, Ill., assignor to The Translode Joint Company, Chicago Heights, Ill., a corporation of Illinois
Application April 19, 1937, Serial No. 137,602
5 Claims. (Cl. 94—51)



1. A road joint brace for use in bracing a road joint or form in position on a road subgrade during the depositing of concrete to embed the joint or form, said brace comprising a channel cap for engagement over the joint or form, a brace bar having one end thereof rigidly secured to the cap, a tapered anchoring shoe rigidly secured to the opposite end of the brace bar for releasable engagement in the road subgrade, a stake for engaging the brace bar intermediate the ends thereof for tensioning the brace bar when the stake is driven into the subgrade, and a connecting member between the brace bar and the anchoring stake.

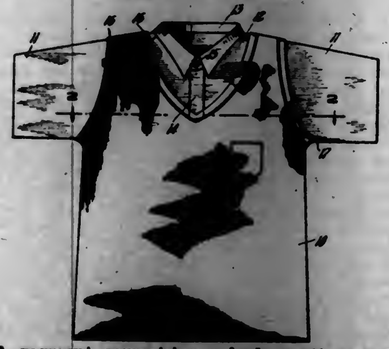


2,121,303
**DOUBLE DOWEL BAR EXPANSION JOINT**
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago Heights, Ill., a corporation of Illinois
Application September 24, 1937, Serial No. 165,439
7 Claims. (Cl. 94—18)



1. In an expansion joint for embedding between adjacent concrete road slabs, a preformed plastic filler board mounted between the road slabs and having openings therein, load transmission dowel bars arranged in reverse superimposed slidable contact with one another and projecting through the openings in said filler board, and housing means rigidly secured to each of the dowel bars and embedded in the concrete on opposite sides of the filler board for slidably receiving an end of the other dowel bar.

2,121,304
**GARMENT**
Moses Rosenbloom, Pottsville, Pa., assignor to Phillips-Jones Corporation, New York, N. Y., a corporation of New York
Application December 7, 1936, Serial No. 114,576
1 Claim. (Cl. 2—103)

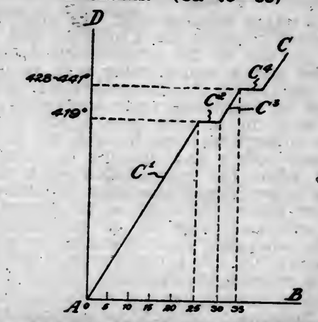


A garment comprising a body portion and a shirt portion, said body portion providing an unbroken front with a V-neck opening, said shirt portion providing a longitudinal central opening having a front hem and with the said hem closed at its lower end substantially below the lower end of the V-opening of the body portion, the side edges of the shirt portion next the closed end of the hem being secured to the body portion for taking the cross strain at the lower end of said V-opening from the material forming the said V-opening of the body portion, the side edges of the shirt material upwardly from said side edges next the bottom of the hem being likewise secured to the body portion next the upwardly diverging edges of the opening, said garment providing an opening between the body portion and shirt portion to provide means for introducing a tie between the body portion and shirt portion.

2,121,305
**MANUFACTURE OF EMULSIONS**
Hans Schrader and Herbert Stahl, Essen-Ruhr, Germany, assignors to Th. Goldschmidt Aktiengesellschaft, Essen-on-the-Ruhr, Germany, a corporation of Germany
No Drawing. Application September 8, 1936, Serial No. 99,863. In Germany September 26, 1935
14 Claims. (Cl. 252—1)

8. An aqueous emulsion comprising two emulsifiers in combination, one of said emulsifiers being a polyhydric alcohol partially esterified with higher fatty acids and the other being a fatty acid amino product, capable of being formed by the reaction of a fatty acid body of high molecular weight in which the acid group is the chief function with the high molecular decomposition products of an albumin; said decomposition products being of the type resulting from the treatment of albumins with acids and alkalies.

2,121,306
**METHOD FOR THE DEOXIDATION OF TECHNICALLY PURE ZINC**
Franz Schreiber, Cologne-Kletterberg, Germany
Application August 15, 1934, Serial No. 740,028
In Germany February 1, 1934
4 Claims. (Cl. 75—88)




1. A process for the deoxidation of technically pure zinc as produced in zinc smelting works and containing besides small quantities of iron also oxygen compounds, consisting in this that the zinc, during the heating of the same within the temperature interval between a lower point and an upper point ascertainable from the time-temperature curve, which points are determined by the fact that the zinc in spite of uninterrupted heat supply shows no heat increase for a time, is brought with exertion of a relative motion into intimate and extended contact with a metal having a great tendency to absorb oxygen and melting at a higher temperature than zinc.

2,121,307
**CLEANING AND STERILIZING DEVICE**
Lionel V. Swift, Oklahoma City, Okla.
Application August 3, 1936, Serial No. 94,166
6 Claims. (Cl. 15—104)

1. A device of the class described comprising a container adapted to receive a sterilizing agent, a cover forming a closure for the top of the container and provided with openings, coacting

brushes disposed beneath the openings in the cover, and a guide plate arranged beneath the



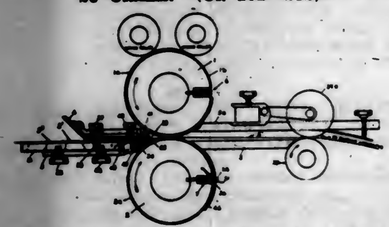
brushes and having openings therein alined with the openings in the cover.

2,121,308

**PRINTING PRESS**

Bruce Wale, San Francisco, Calif., assignor to Standard Process Corporation, Chicago, Ill., a corporation of Delaware

Application May 22, 1934, Serial No. 726,875
26 Claims. (Cl. 101—232)



7. In a rotary printing-press, the combination of a printing roller having a printing area occupying a portion of the circumferential area of the roller and a non-printing area occupying another portion of the circumferential area of the roller, an impression roller adapted in cooperation with the printing area of the printing roller to advance material through the pass between said rollers and adapted to cease said advance when the non-printing area of the printing roller comes into play, a clamp for selectively halting material to be printed, and means associated with one of the rollers for rendering said clamp effective during the interval of advance of the non-printing area of the printing roller through the said pass.

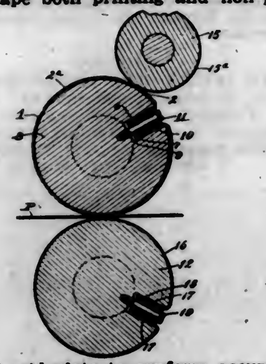
2,121,309

**ROTARY PRINTING PRESS**

Bruce Wale, San Francisco, Calif., assignor to Standard Process Corporation, Chicago, Ill., a corporation of Delaware

Application March 28, 1935, Serial No. 13,461
7 Claims. (Cl. 101—378)

1. A printing element adapted to print directly upon sheet material irrespective of the nature of the subject matter to be printed and irrespective of the relation in area or location of the printing portions to the non-printing portions comprising a rigid carrier having a smooth curved surface and a thin flexible sheet metal relief printing plate drawn taut upon the surface of said carrier by means of uniform tension applied to said plate, said plate having an outer face comprising printing and non-printing portions, the latter having a uniform depth of relief with respect to said printing portions, the relative thicknesses of said printing and non-printing portions being so proportioned as to render the plate freely flexible in the thicker or printing portions while at the same time maintaining high tensile strength in the thinner or non-printing portions and said tension being sufficient to shape both printing and non-printing



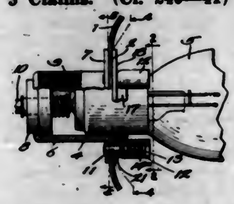
portions of said plate to conform accurately to the curvature of said carrier surface.

2,121,310

**MOUNTING MEANS FOR LAMPS IN HEADLIGHTS OF AUTOMOBILES**

Felix J. Watts, Detroit, Mich., assignor to Utility Patent Trust No. 17,938, Union Guardian Trust Co., Detroit, Mich., a corporation of Michigan

Application October 6, 1937, Serial No. 167,523
5 Claims. (Cl. 240—41)



1. A lamp assembly for a headlight comprising a lamp, a curved reflector with an opening for receiving the lamp base and a flattened surface thereabout, a cup shaped socket for the reception and electrical connection to the lamp, an integral flange upon one end of the socket adapted to closely engage the rear of the flat surface of the reflector, a flange about the lamp base adapted to closely engage the front of the flat surface of the reflector when the base is inserted in the socket, a plurality of locking pins rigidly secured at one end upon the socket flange, openings provided in the reflector and lamp base flange to receive the locking pins, and spring pressed means mounted upon the free ends of said pins to engage the outer side of the lamp base flange for detachably holding the said flanges in close contact with opposite sides of the reflector when the lamp has established the electrical connection within the socket.

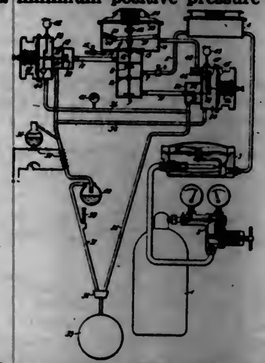
2,121,311

**RESPIRATION APPARATUS**

Emil Einar Wilhelm Anderson and Georg Karl Vilhelm Johanson, Lidingo, Sweden, assignors to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden, a corporation of Sweden

Application April 1, 1935, Serial No. 13,996
In Sweden April 5, 1934
16 Claims. (Cl. 128—29)

1. In a respiration apparatus, means for stopping an inhalation period at a maximum positive pressure, means for stopping an exhalation period at a minimum positive pressure to thereby



constantly maintain positive pressure in said apparatus while said apparatus is in use, and pressure responsive means for actuating said means.

2,121,312

**REGULATING VALVE FOR REFRIGERATING SYSTEMS**

Ralph N. Bicknell, Bangor, Maine

Application November 16, 1935, Serial No. 50,179
7 Claims. (Cl. 50—23)



1. In a regulating valve for refrigerating systems, the combination of two flexible diaphragms, means connecting said diaphragms in opposed relationship to each other, a casing in which said diaphragms are operatively supported, said diaphragms forming opposite sides of a high pressure refrigerant chamber in said casing, whereby the pressure of said refrigerant on one diaphragm opposes that on the other, a low pressure chamber in said casing, and a valve structure connected with said diaphragms for movement by them and controlling the flow of refrigerant from the high pressure chamber to the low pressure chamber, said structure comprising a valve seat and a valve plunger cooperating with said seat.

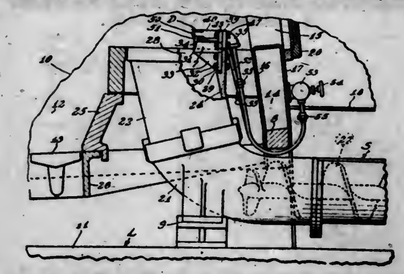
2,121,313

**DISTRIBUTOR HEAD FOR STOKERS**

Charles A. Binney, Hornell, N. Y., assignor, by mesne assignments to The Standard Stoker Company, Inc., (1922), New York, N. Y., a corporation of Delaware

Application November 9, 1935, Serial No. 49,006
7 Claims. (Cl. 110—104)

7. A base member of a two part distributor for stokers comprising, when in operative position, an attachment flange forming the lower portion of said base member, a sector-shaped hood formed with said base member at one side of said attachment flange, a projection V-shaped in transverse cross section formed with the side of said attachment flange opposite said hood, said



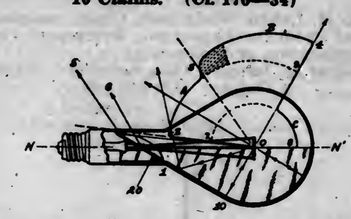
hood including a plurality of pressure fluid passages each provided with a threaded intake opening and an outlet, the latter being disposed above the plane of said V-shaped projection, and an attachment flange formed at each side of the sector-shaped hood above said first named attachment flange.

2,121,314

**REFLECTING ELECTRIC LAMP**

Clarence Birdseye, Gloucester, and Clarence K. Reiman, Newton, Mass., assignors to Birdseye Electric Company, Gloucester, Mass., a corporation of Delaware

Application December 19, 1935, Serial No. 55,208
10 Claims. (Cl. 176—34)



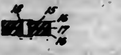
10. A reflecting electric lamp comprising a bulb symmetrical about the axis of said lamp having a reflecting coating applied to one-half thereof and bounded by a plane in which lies the axis of said bulb, a filament located so as to intersect said plane, and a neck reflector mounted at an angle with the axis of said bulb.

2,121,315

**VALVE WASHER**

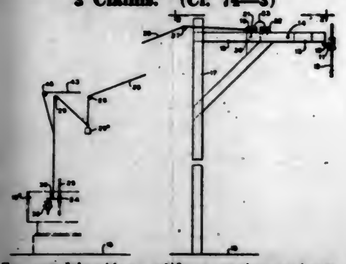
Wayne C. Black, Elyria, Ohio, assignor to The Ridge Tool Company, North Ridgeville, Ohio, a corporation of Ohio

Application May 28, 1936, Serial No. 82,373
4 Claims. (Cl. 251—161)



1. In a device of the class described, a sleeve, a pair of washers rotatably carried by said sleeve in superposed relation and rotatable relative to each other, said sleeve extending beyond the sides of the washers and having the ends formed to prevent removal of the washers from the sleeve.

2,121,316
**SHUT-DOWN DEVICE FOR WELL PUMPING ENGINES**
Arthur B. Case, Snemac, Okla., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 13, 1936, Serial No. 84,999
3 Claims. (Cl. 74—3)



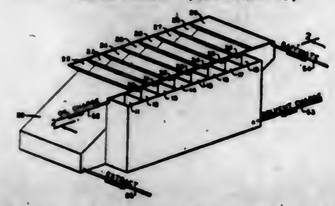
1. In combination with a reciprocatory pump rod and driving means for said rod including an internal combustion engine, a valve in the fuel supply line in said engine, means for closing said valve in an emergency, said means including a supporting post, a tripable member pivotally mounted on said post and disposed adjacent said pump rod, a pin secured to said pump rod, and a connection between said member and said valve, the arrangement being such that in the event of a sudden abnormal increase in speed of said driving means, said pin will strike and move said tripable member to close said valve.

2,121,317
**FENDER GUIDE**
Joseph H. Cohen, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application June 29, 1934, Serial No. 733,663
3 Claims. (Cl. 248—43)



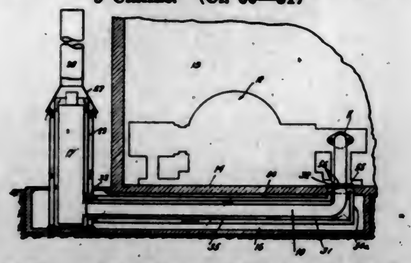
1. A fender attachment comprising a vertical rod; a bracket having a substantially flat portion adapted to lie flat against the outer surface of the lower edge of a motor vehicle fender; a clamping plate adapted to engage the inner upper edge of a bead at the lower edge of the fender; means for securing said clamp in clamping position and drawing said flat surface of the bracket against the fender; and a pivotal connection between the bracket and said rod about which the rod may be moved forwardly or backwardly of the vehicle or inwardly and outwardly of the fender's edge to make the rod perpendicular to the ground level after the bracket is clamped to the fender.

2,121,318
**COUNTERFLOW APPARATUS**
Louis P. Evans, Woodbury, N. J., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 28, 1937, Serial No. 139,424
11 Claims. (Cl. 196—46)



1. In a box counterflow apparatus for the solvent refining of mineral oil, a plurality of generally vertical mixing chambers arranged in a row, a plurality of inclined settling chambers arranged at one side of said row of mixing chambers in a parallel adjacent row, the inclination of a settling chamber being such as to overlap at least three adjacent mixing chambers, and ports providing communication between said settling chamber and said three mixing chambers respectively.

2,121,319
**AIR-COOLED MUFFLER**
John S. Fluor, Jr., and Park W. Ash, Santa Ana, Calif., assignors to The Fluor Corporation Ltd., Los Angeles, Calif., a corporation of California
Application May 4, 1936, Serial No. 77,620
5 Claims. (Cl. 60—31)



1. The combination comprising a vertically extending closed muffler shell having a gas inlet at its lower end and an outlet at its upper end, a tube surrounding and spaced from said muffler shell and forming an inner air passage, a conduit surrounding and spaced from said tube, and forming an outer air passage, the upper ends of said air passages being closed from communication, the upper end of said conduit being open to admit air, means connecting the lower portions of said air passages so that the discharge of gas from the muffler outlet causes air to be drawn downwardly through said outer passage and then upwardly through said inner passage into the muffler discharge gas stream, and a hood connected to the upper end of said tube and comprising a gas discharge pipe and a lower portion extending outwardly over and above the upper open end of said conduit.



2,121,320
**QUINOPHTHALONEMONOSULPHONIC ACIDS AND PROCESS OF PREPARING THEM**
Georg Kränzlein, Frankfort-on-the-Main, Hans Schlichenmaier, Kelkheim-in-Taunus, and Ludwig Schlenig, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 2, 1935, Serial No. 34,474. In Germany August 9, 1934
6 Claims. (Cl. 260—38)

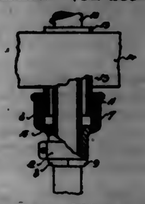
6. The compound obtained by the process which comprises heating at a temperature of about 170° C. for about 13 hours the $SO_3$-addition product of 3-hydroxyquinophthalone and removing the reaction water formed.

2,121,321
**SOLENOID MECHANISM**
Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 3, 1934, Serial No. 751,430
8 Claims. (Cl. 175—340)



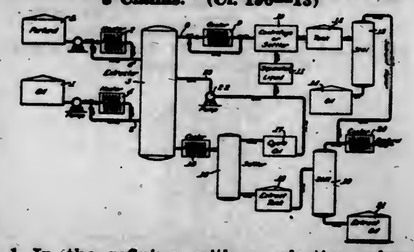
1. In a device of the character described, an element, spring means urging said element toward one position, a lever operatively connected to said element, a pivot for said lever, a coil carried by said lever and adapted by reason of its weight to normally hold said element in a second position, a stationary core associated with said coil and adapted to cause movement of said coil to permit said spring to move said element into said first position upon energization of said coil.

2,121,322
**SOCKET JOINT**
Kai Knud Larsen, Copenhagen, Denmark
Application February 11, 1937, Serial No. 125,187
In Denmark February 12, 1936
2 Claims. (Cl. 285—47)



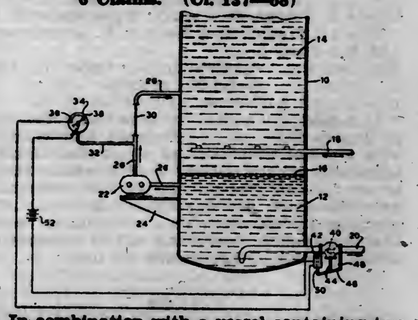
1. A socket for assembling a pipe with a bush transversing a partition, comprising a bipartite socket member, a bipartite packing member inserted within the socket member prior to the assembling of the joint, a semi-annular collar extending from each part of the socket member, a groove within the inner wall of each semi-annular collar, a packing within each said groove, and means for clamping the collar members with their socket member parts together on a pipe to form a socket joint with the said bush.

2,121,323
**SOLVENT REFINING PROCESS**
Robert E. Manley, Bernard Y. McCarty, and Howard H. Gross, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 6, 1935, Serial No. 5,214
8 Claims. (Cl. 196—13)



1. In the refining, with a selective solvent, of a heavy lubricating oil stock containing residual carbon-forming bodies which form with the solvent a small amount of material of a gelatinous nature and which is difficultly removable from the resulting raffinate, the method comprising extracting the oil with a solvent comprising furfural at a temperature of around 200° F., forming an extract phase containing low viscosity index constituents of the oil and a raffinate phase containing high viscosity index constituents and a substantial amount of said gelatinous material, removing the raffinate phase, and centrifuging the raffinate phase while at an elevated temperature not substantially below the extraction temperature to remove the gelatinous material contained therein.

2,121,324
**LIQUID LEVEL CONTROL APPARATUS**
Robert E. Manley, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 23, 1936, Serial No. 86,726
6 Claims. (Cl. 137—68)

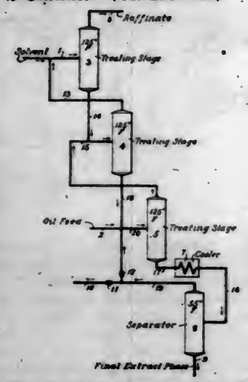


1. In combination with a vessel containing two superposed liquids having different specific gravities and viscosities, means for maintaining substantially constant the height of the interface between said liquids comprising a pump, the inlet of which is connected to said vessel below the normal position of said interface, a conduit for returning to said vessel the discharge of said pump, a draw-off pipe for the liquid in the lower part of said vessel, a valve in said draw-off pipe, and means responsive to changes in viscosity of the liquid being pumped through said conduit for controlling the actuation of said valve.

## 2,121,325
## METHOD FOR SOLVENT EXTRACTION OF OIL

David R. Merrill, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application April 23, 1936, Serial No. 76,776
2 Claims. (Cl. 196—13)




1. A process for the separation of oil into fractions which comprises feeding oil into an extraction system, countercurrently extracting said oil with a selective solvent and thereby forming a raffinate phase and an extract phase, separating said phases, recovering oil fractions from said extract phase which have a viscosity gravity constant different from the viscosity gravity constant of the feed introduced into said extraction system, and continuously mixing said oil fractions recovered from said extract phase with the oil feed in a regulated amount so that the composition of the oil entering the extraction system will be substantially of constant quality.

## 2,121,326
## POUR POINT REDUCER

Ernest F. Pevere, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application November 17, 1933, Serial No. 698,495
9 Claims. (Cl. 87—9)

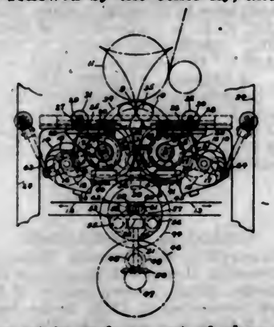
1. A lubricating oil of improved character comprising a blend of a petroleum lubricating oil with a minor proportion of a material consisting essentially of the residue boiling above 310° C. at an absolute pressure of 10 mm. mercury of a condensation product consisting solely of an aromatic hydrocarbon unmixed with a reactive aliphatic organic compound in the presence of a metallic halide condensation catalyst.

## 2,121,327
## DELIVERY MECHANISM FOR USE WITH PRINTING MACHINES

Cecil George Quick, Donald Arthur Ball, and William Arnold Whitehead, London, England, assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application January 3, 1935, Serial No. 222
In Great Britain January 6, 1934
15 Claims. (Cl. 93—93)

1. In delivery mechanism for use with means for feeding a succession or stream of products passing from a printing machine, the combination of two flies each comprising a hub member and a blade, means rotatably positioning the flies about the feeding zone, means rotating the flies in opposite directions, the positioning of the flies being such that the blade of one fly follows a path intersecting about the feeding zone the path followed by the other fly, and the two

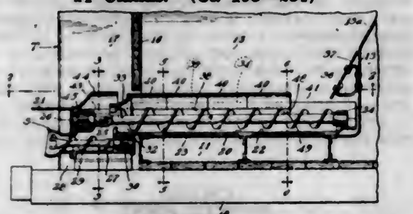


flies being set in such an out of phase relationship that the flies operate to take alternate products, and an arm secured to each hub member of one fly and co-operating with the blade secured to the other hub member of the other fly to steady a product carried by the first fly.

## 2,121,328
## LOCOMOTIVE TENDER

Frank P. Roesch, Chicago, Ill., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware

Application May 19, 1936, Serial No. 80,518
14 Claims. (Cl. 105—234)



1. A locomotive tender comprising a bin for the storage of coal, said bin including a rear wall and a coal gate at the forward end of said bin, a conveyor arranged to receive coal by gravity from said bin, a plurality of shiftable plates shielding a portion of said conveyor from the coal in said bin, means carried by the tender at the lower portion of said fuel bin affording slidable support for said shiftable plates, and a stop element disposed forwardly of said rear wall, said plates extending from a point adjacent said coal gate rearwardly to said stop element forming an opening for the preliminary feed of coal from said bin to the rearward end of said conveyor.

## 2,121,329
## WIRE CONNECTER

Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application December 9, 1935, Serial No. 53,519
3 Claims. (Cl. 173—269)

1. A wire terminal having a cast metal body with a socket for receiving the end of a conductor, a clamping plate having a projecting stem and insertable into said socket from one end of the socket, said body having a screw-threaded passage intersecting said socket, the diameter of the passage being approximately equal to the width of said socket and a clamp screw adjustable in said passage, said screw having a passage through it enough larger in diameter than said stem to permit the clamp plate and its stem to tilt when the screw is tightened against



the plate around the stem, said stem and plate being accessible through the passage in the screw, the stem of the plate extending part way into the passage in the screw and leaving room above the stem for the reception of a wrench, said screw engaging the stem and holding the plate and its stem from accidental removal when the conductor is removed and the screw is tightened.

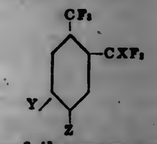


## 2,121,330
## BENZENE DERIVATIVES CONTAINING HALOGENATED METHYL GROUPS AND PROCESS OF PREPARING THEM

Otto Scherer, Willy Schumacher, and Fritz Müller, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application October 26, 1936, Serial No. 106,694. In Germany October 25, 1935
7 Claims. (Cl. 260—160)

3. The compounds of the following general formula:



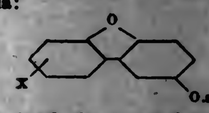
where X is one of the group consisting of hydrogen, chlorine and fluorine, Y is one of the group consisting of hydrogen, chlorine and $CXF_3$ and Z is one of the group consisting of hydrogen, chlorine and $CF_3$.

## 2,121,331
## SUBSTITUTION PRODUCTS OF DIPHENYLENE OXIDE AND PROCESS OF PREPARING THEM

Karl Zahn and Kurt Schimmelschmidt, Frankfort-on-the-Main-Hoechst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 15, 1937, Serial No. 125,936. In Germany February 19, 1936
6 Claims. (Cl. 260—54)

1. The process which comprises nitrating 3-alkoxy-diphenylene oxides of the following general formula:

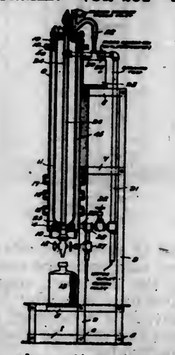


wherein X stands for a member of the group consisting of hydrogen, chlorine, methyl and alkoxy, and reducing the 2-nitro-3-alkoxy-diphenylene oxide compounds obtained to the corresponding 2-amino-3-alkoxy-diphenylene oxide compounds.

## 2,121,332
## APPARATUS FOR THE SEPARATION OF SATURATED AND UNSATURATED HYDROCARBONS

Cesare Barbieri, New York, N. Y.

Application July 17, 1936, Serial No. 91,244
5 Claims. (Cl. 261—121)



1. A mobile absorption tower comprising a frame, platforms for receivers and traps, a metallic protective vessel attached to said frame and supported thereby having suitably flanged extremities, a plurality of peep-holes for observing the course of the reaction, an inner glass vessel, a ring of resilient material toward the upper extremity of said protective vessel to guide and maintain said glass reaction vessel in spaced relation within said protective vessel, a mass of resilient material toward the lower extremity of said protective vessel to support and cushion said reaction vessel, a pipe projecting through said resilient mass toward the lower extremity of the protective vessel and joined to said flanged extremity of said protective vessel and connecting said reaction vessel to an external drain pipe and valve for delivery of liquid products of the reaction to a receiver, a flanged cover making a gas-tight joint with said protective vessel and said reaction vessel, a gooseneck positioned on said cover for the introduction of solutions and escape of gases and entrained reactants, a T for the introduction of gaseous reactants to a distributing device in said reaction vessel, a corrosion-resistant tube connected to said T for conducting gaseous reactants toward the lower extremity of said reaction vessel, a plurality of ports provided in said tube for dispersing gaseous reactants in the lower part of the liquid reactant medium, suitable piping to conduct gaseous reactants separately to said T, suitable piping to introduce cooling fluid into a jacket formed by said reaction vessel and said protective vessel and remove said cooling fluid from said jacket, a suitable trap to remove entrained reactants from escaping gases and a receiver for liquid reaction products.

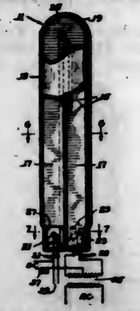
## 2,121,333
## GASEOUS CONDUCTION DEVICE

Robert E. Barclay, Chicago, Ill., assignor to Federal Electric Company, Inc., Chicago, Ill., a corporation of New York

Application June 23, 1934, Serial No. 732,093
7 Claims. (Cl. 250—27.5)

1. A gaseous conduction device comprising a

tubular envelope having longitudinally extending partition means defining a plurality of adjacent channel portions in the envelope, said envelope comprising means sealing the ends of certain of said channel portions at one end of the envelope, a cathode electrode at the sealed end of one of said channel portions, and an anode electrode



at the sealed end of each of several others of said channel portions, said envelope comprising means interconnecting the adjacent ends of certain of said channel portions whereby to form a discharge path having a V-shaped portion in the envelope between the cathode electrode and each of said anode electrodes.

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2,121,234

**METHOD OF PREPARING AN OIL VARNISH**

George Barsky, New York, N. Y.

No Drawing. Application June 13, 1935, Serial No. 26,401

10 Claims. (Cl. 134—36)

1. A method of preparing an oil varnish which comprises providing a castor oil phthalic glyceride resin, the ratio of the modifying ingredient to the phthalic glyceride being such that said resin gels on heating, heating the same until esterification is complete and gelation has set in, and blending the same with a drying oil by heating said resin with said oil, whereby the resin is directly dispersed in said oil without the use of an intermediate high-boiling solvent.

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2,121,235

**METHOD OF MAKING A VARNISH BASE**

George Barsky, New York, N. Y., and Samuel S. Gutkin, Irvington, N. J.; said Gutkin assignor to said Barsky

No Drawing. Application June 16, 1935, Serial No. 27,206

9 Claims. (Cl. 134—36)

1. A method of preparing an oil varnish which comprises providing a varnish resin taken from the class consisting of phenol-formaldehyde resins soluble in drying oils, ester gum, phthalic glyceride resin modified by an organic acid taken from the class consisting of resin acids, higher fatty acids and aromatic acids, heating the same with a drying oil until blending has taken place, adding an unmodified phthalic glyceride type resin and heating until blending has taken place.

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2,121,236

**BIFOCAL EYEGLASS MOUNTING**

Abraham H. Bricker, Brooklyn, N. Y.

Application March 5, 1937, Serial No. 129,118

1 Claim. (Cl. 88—49)

A mounting for bifocal eyeglasses including a pair of nose pads for positioning the glasses for use other than reading, an upper and a lower stop secured to the upper and lower edges of the nose pads respectively, parallel spring members secured to the nose pads and extending between said upper and lower stops thereon, a bridge member for joining the glasses, rearwardly ex-



tending guides on said bridge member in frictional engagement with the said parallel spring members and bends in the latter for maintaining the said guides and bridge member in a predetermined upper or lower position between the said bends and within the upper or lower stop with respect to the said nose pads.

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2,121,237

**DYEING MIXED FIBERS**

Karl Brodersen and Alfred Peters, Dessau-in-Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 16, 1937, Serial No. 120,904. In Germany January 18, 1936

4 Claims. (Cl. 8—5)

1. The process for dyeing mixed fabrics or other mixed fibrous materials consisting of regenerated cellulose and animal fibers which comprises pre-treating the material with an amidine of the general formula

$$R\text{—}x\text{—}\underset{\underset{NH}{\|}}{C}\text{—}NH_2$$

wherein R means an alkyl radicle with at least 10 carbon atoms and $x$ is a connecting radicle of the group consisting of

$$-NH-,\ -O-,\ -NH-\underset{\underset{NH}{\|}}{C}-NH-$$

and then dyeing both the fibers of the mixed material in even shades with an ortho-hydroxy-azo dye in the presence of a chromium mordant.

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2,121,238

**PLUG**

Nathan Chirelstein, Newark, N. J.

Application October 10, 1935, Serial No. 44,378

1 Claim. (Cl. 173—361)



An attachment plug comprising a body portion of insulating material having a pair of flat contact blades extending therefrom, said blades being formed of resilient conducting material and spaced apart a distance corresponding to the separation between the socket openings of a standard receptacle, said blades each having a free ended branch struck therefrom intermediate the side and end edges thereof with the branch



of each blade extending from its point of connection with the blade adjacent the free end of the latter to a point adjacent to the face of the body portion of the plug, said branch being abruptly offset at its point of connection with the blade to provide a shoulder, the portion of the branch between said shoulder and its free end being flat and offset from said blade, the construction being such that each resilient blade and its resilient branch will be wedged toward each other in the act of coupling the plug with a standard receptacle.

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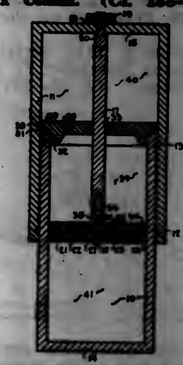
2,121,239

**SHOCK ABSORBER**

Samuel G. Conkling, Brooklyn, N. Y.

Application May 25, 1936, Serial No. 81,749

1 Claim. (Cl. 188—88)



A shock absorber, comprising a pair of cylinders, one telescoping within the other, endpieces closing the outer ends of said cylinders, piston rings, with packings arranged thereon, mounted in the outer side of the inner cylinder and the inner side of the outer cylinder, respectively, whereby to prevent the ingress or egress of air to and from said cylinders, two pistons cooperating with said cylinders, a piston rod connecting one of the pistons to the endpiece of the outer cylinder, a recessed portion formed on the upper end of said rod, a threaded portion on the latter, a washer, and a nut, whereby to secure said rod to the cylinder, a recessed portion on the lower end of said rod, a threaded lower portion upon the latter, said rod being provided with a bore and a side opening into the latter, a valve mounted in said bore, and an outwardly threaded ring-shaped stopper secured to the lower end of the rod, said stopper being provided with an upper cone-shaped end portion adapted to receive said valve thereon, the lower piston consisting of an intermediate plate and having cup-shaped washers arranged in connection therewith, the upper piston consisting of a ring-shaped metal plate, two piston rings arranged thereon, a collar forming part of said piston and being threaded to the upper portion of the lower cylinder, substantially as shown and described.

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2,121,240

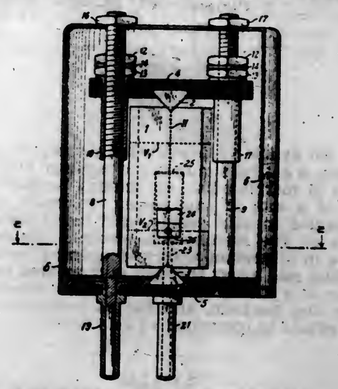
**PIEZOELECTRIC CRYSTAL HOLDER**

Richard C. Curtis, East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware

Application February 17, 1937, Serial No. 126,141

6 Claims. (Cl. 171—327)

1. A piezoelectric crystal holder comprising, an insulating mounting plate, a second insulating mounting plate parallel with said first plate, clamping elements carried by said plates for clamping a piezoelectric crystal plate therebetween along its edges, means for adjusting the



relative distance between said plates to regulate the clamping pressure for said crystal, and contacts for resiliently engaging opposite sides of said crystal plate between said mounting plates.

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2,121,241

**TREATMENT OF ARTIFICIAL MATERIALS**

Henry Dreyfus, London, England

No Drawing. Application July 11, 1935, Serial No. 30,945. In Great Britain July 26, 1934

1 Claim. (Cl. 28—1)

Process for reducing the luster of cellulose acetate fabric, which comprises passing the fabric through an aqueous solution of titanium tetrachloride of 20% concentration so that said fabric contains about its own weight of the said titanium tetrachloride solution and passing the so treated fabric through an atmosphere of steam and ammonia at a temperature of about 100° C. for about two minutes.

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2,121,242

**MANUFACTURE OF ALKYLIDENE DIESTERS**

Henry Dreyfus, London, England

No Drawing. Application January 3, 1936, Serial No. 57,450. In Great Britain January 10, 1935

4 Claims. (Cl. 260—106)

1. Process for the manufacture of an alkylidene diester, which comprises subjecting an aliphatic acid to reaction in the vapor phase with an unsaturated hydrocarbon of the acetylene series at temperatures of 150 to 300° C., the aliphatic acid vapor being present in a proportion of 3 to 6 molecules per molecule of hydrocarbon.

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2,121,243

**TREATMENT OF TEXTILE MATERIALS**

Henry Dreyfus, London, England

No Drawing. Application March 28, 1936, Serial No. 71,456. In Great Britain April 12, 1935

10 Claims. (Cl. 28—1)

1. Process of reducing the lustre of artificial silk, which comprises impregnating it with a double salt of a poly-basic organic acid with ammonia and titanium, and then thermally decomposing the salt with formation of titanium dioxide on the material.

2,121,244
**ARTICLE OF JEWELRY AND THE LIKE**
Le Roy H. Fontan, Rutherford, N. J.
Application December 4, 1937, Serial No. 178,044
3 Claims. (Cl. 63—23)



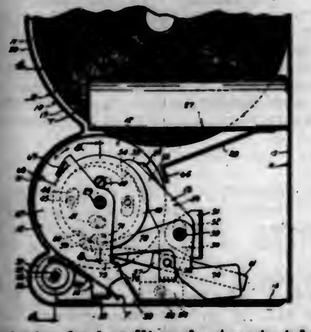
1. An article of jewelry comprising, in combination, a casing simulating a package containing units of merchandise, an opening formed at one end of a wall of said casing, an insert slidably contained in said casing, said insert simulating units of the merchandise content thereof and being in alignment with said opening, means for guiding said insert through said opening in simulation of a partial ejectment of such merchandise from the package, and means adapted to limit the extent of ejectment of said insert.

2,121,245
**ROTATIVE WING AIRCRAFT**
Raoul Hafner, Vienna, Austria
Application August 6, 1934, Serial No. 738,702
In Great Britain August 25, 1933
5 Claims. (Cl. 244—18)



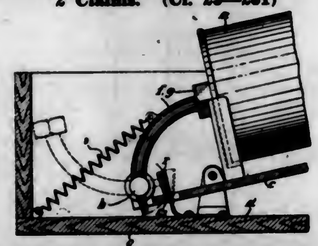
1. In rotative wing aircraft, the combination with a rotative hub, of a plurality of sustaining blades extending outwardly therefrom and controllable as to pitch, about their individual longitudinal axes, and a torsionally resilient tie, forming the sole anchorage of each blade to said hub against centrifugal force in flight, lying on the said axis of each blade with its outer and inner ends secured respectively to such blade and to a root attachment member articulated to said hub.

2,121,246
**TOWEL CABINET**
Lee M. Harvey, Los Angeles, Calif.
Application October 5, 1934, Serial No. 746,963
20 Claims. (Cl. 164—84.5)



1. A device for handling sheet material including a case for holding a supply of the material, the case having an opening through which a portion of the material confined within the case against use is engageable by the operator, a control member in the case having movement controlling engagement with the material and positioned with respect to the opening to be movable by manual force applied to said portion of material accessible through the opening, a cutting part adapted to cut free the material withdrawn from the case, and means for preventing movement of the member released by the cutting free of the said material.

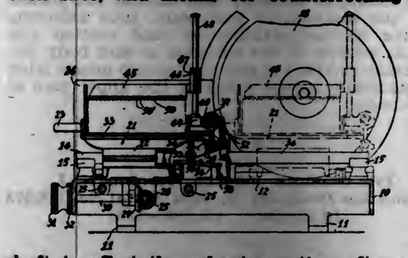
2,121,247
**APPARATUS FOR GENERATING OXYGEN, ESPECIALLY FOR BREATHING PURPOSES**
Max Hausmann, Berlin-Zehlendorf-Mitte, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application October 8, 1936, Serial No. 104,586
In Germany November 27, 1935
2 Claims. (Cl. 22—281)



1. Apparatus for generating oxygen comprising a housing, a base plate pivotally mounted near one of its ends in said housing whereby said base plate may be raised from an inoperative position within the housing to an inclined or operative position, means for locking the base plate in operative position, means for detachably securing a cartridge containing oxygen generating material to said base plate, a connection member pivotally mounted in said housing adjacent said base plate pivot carrying means at one end for coupling said connection member to said cartridge, means rigidly attached to the opposite end of said connection member for disengaging said locking means and a spring attached to said connection member for maintaining the locks disengaging means in operative position when said coupling means is not attached to a cartridge.

2,121,248
**MEAT SLICING MACHINE**
Charles Held, New York, N. Y., assignor, by mesne assignments, to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application January 6, 1932, Serial No. 584,917
25 Claims. (Cl. 146—102)

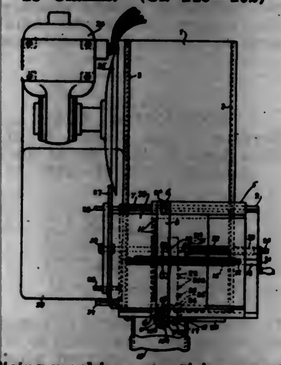
1. In a meat slicing machine, embodying a gauge plate, a rotary slicing knife arranged at one side of the gauge plate substantially parallel thereto and a meat carrying carriage reciprocable across the face of the gauge plate and knife, a relatively movable spring-urged feed device on the carriage normally urging the meat thereon into position to contact the gauge plate, a rock shaft on which the feed device is movable, adapted on rocking movement in one direction to lock the feed device against relative movement, and on counterrocking movement to release the feed device for movement, means for rocking the shaft to effect the locking action before the cutting of each slice, and means for counterrocking the



shaft to effect the releasing action after each slicing operation.



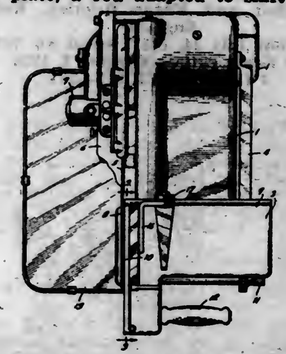
2,121,249
**SLICING APPARATUS**
Paul G. Peddicord, Piqua, Ohio, assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application September 10, 1931, Serial No. 562,115
13 Claims. (Cl. 146—102)



1. A slicing machine comprising a gauge member, a slicing knife, a substance feeder, said substance feeder and said slicing knife being relatively movable transversely whereby to bring the substance feeder alternately into alignment with the gauge member and with the slicing knife, said substance feeder being movable forward toward the gauge member and slicing knife through a given range of feeding travel, means yieldingly urging the feeder forward, means operable in any position of said feeder within said range of travel for preventing operation of said feeder by the urging means, means for disabling said preventing means, means controlled by the relative transverse movement between the slicing knife and substance feeder for operating said disabling means in timed relation to the cycle of such relative transverse movement, and means for varying the time of operation of the disabling means in respect to said cycle of movement.

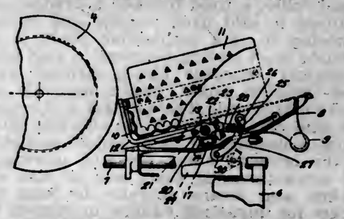
2,121,250
**FEEDING MECHANISM FOR SLICING MACHINES**
Joseph Folk, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application April 2, 1934, Serial No. 718,582
10 Claims. (Cl. 146—102)

1. In a slicing machine having a base, a carriage having a substance supporting surface and adapted to be reciprocated across said base, a rotary knife supported in juxtaposition in relation to the movement of the carriage to cut slices from the substance during reciprocation of the carriage, a gauge plate having a face parallel to the cutting plane of the knife, a pusher plate for shifting the substance along said surface toward the gauge plate, a slide bearing for moving said pusher plate, a rod adapted to shift the slide



bearing, a spring connected to the rod to shift the rod when tension is applied to the spring, a pivoted plate to which the spring is connected, a cam mounted on the base and shifting said plate during reciprocation of the carriage, the shifting of said plate putting a tension on the spring, the tension on the spring shifting the rod, and moving the slide bearing and consequently the pusher plate.

2,121,251
**SLICING MACHINE**
Cornelis F. M. van Berkel, Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application July 2, 1934, Serial No. 733,406
In Great Britain July 6, 1933
11 Claims. (Cl. 146—102)

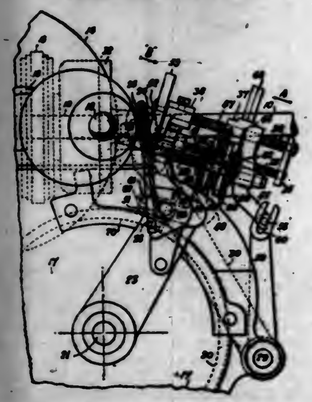


1. A slicing machine comprising a gauge member, a slicing knife, a carriage, said carriage and said slicing knife being relatively movable transversely whereby to bring the carriage alternately into alinement with the gauge member and the slicing knife, a substance feeder on the carriage movable forward toward the gauge member and slicing knife through a given range of feeding travel, means yieldingly urging the feeder forward, and locking means operable in any position of said feeder within said range of travel for preventing operation of said feeder by the urging means, said locking means comprising a bar on the carriage parallel to the path of travel of the feeder thereon, and a locking member secured to the feeder having a bore slidable along the bar, said member being tiltable to angularly displace the axis of said bore from the axis of

the bar to engage the edges of the bore with the bar whereby to lock the locking member to the bar.

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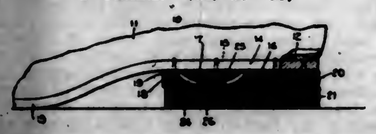
2,121,282
MACHINE FOR WINDING YARNS OR THREADS OR THE LIKE ON TO PAPER TUBES OR CONES OR OTHER BODIES
Herbert Holt and Edgar Brierley, Rochdale, England
Application July 24, 1937, Serial No. 155,536
In Great Britain October 3, 1936
7 Claims. (Cl. 242—18)



1. In a thread-winding machine for winding thread or analogous material on to a paper tube, cone or other body on a spindle, the combination with the spindle of a traversing guide movable towards and away from the axis of said spindle, a striker participating in the traversing movement of said guide, a friction disc connected to said spindle, a rotatable and axially movable driving friction roller engageable with said disc, an oscillatable shaft for communicating axial movements to said roller, a fixed bracket, a bracket slidable relatively to said fixed bracket and operatively connected to said oscillatable shaft, a screw-threaded shaft having bearings in said brackets, a one-way rotatable clutch element on said screw-threaded shaft, means operable in one direction by impact of said striker and cooperative with said clutch element for effecting step-wise rotary movement of said clutch element, and thereby bringing about creeping movements of said screw-threaded shaft and of said slidable bracket, and means operable by said slidable bracket for imparting turning movement to said oscillatable shaft.

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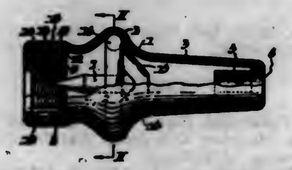
2,121,353
RUBBER HEEL
Hugo R. Rustad, New York, N. Y.
Application December 3, 1936, Serial No. 114,738
4 Claims. (Cl. 36—36)



1. In an improved heel comprising a body of suitable material and suction cup means secured at one face of the material of said body, to provide clearance between said suction cup means and the material of said body, thus affording limited self-adjustability of said suction cup means relative to the material of said body, the engaging cup face of said suction cup means lying substantially in the plane of the upper face of said body.

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2,121,354
VALVE
Eric Goodwin Johnson, Trenton, N. J.
Application December 31, 1936, Serial No. 118,478
16 Claims. (Cl. 299—150)



1. A valve having a compressible hollow body, and a flow-controlling closure member therein supported by a series of inclined radial flexible arms so as to be operable by compression of said body.

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2,121,355
MECHANICAL TOY
Herman Krupp, Seattle, Wash.
Application April 28, 1937, Serial No. 139,473
1 Claim. (Cl. 46—213)



A mechanical toy comprising in combination a driven axle, a driving wheel fixed to one end of the axle, and a loosely mounted wheel on the other end of the axle, a protuberance depending from the forward end of the toy and disposed substantially in longitudinal alignment with the driving wheel, said protuberance slanting upwardly toward the side of the toy on which the loosely mounted wheel is positioned and forming an inclined plane extending a greater part of the width of the toy, a pilot wheel interposed between the protuberance and the said two other wheels and raised above the horizontal plane thereof, and the axis of rotation of said pilot wheel being aligned with the center of the loosely mounted wheel.

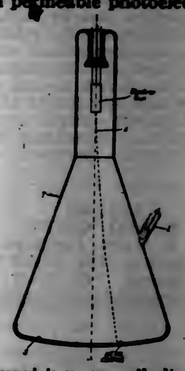
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2,121,356
ELECTRON TUBE
Max Knoll, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 21, 1935, Serial No. 7,469
In Germany February 2, 1934
2 Claims. (Cl. 250—27.5)

1. A cathode ray tube comprising an envelope, an electron source at one end thereof, a coating of material adapted to fluoresce under electron impact upon the opposite end thereof, and a layer of electron permeable photo-electric conducting material coating the surface of the fluorescent material adjacent the electron source,



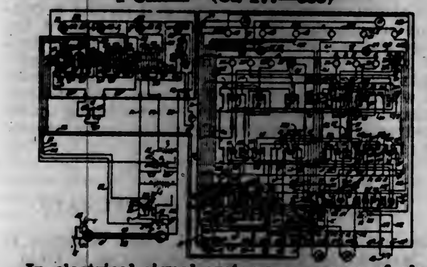
said electron permeable photoelectric conducting



material comprising an alkaline earth metal capable of secondary emission.

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2,121,357
SIGNAL SYSTEM
William D. Lindsay, South Orange, N. J., assignor, by mesne assignments, to The Sealand Corporation, a corporation of Connecticut
Application October 11, 1933, Serial No. 693,052
1 Claim. (Cl. 177—355)



In electrical signal systems, a source of electrical energy, a plurality of systems each including two signals distinctive to each system and a third signal common to the several systems, each signal being adapted upon operation to indicate the existence of a particular condition, and each system including a means for effecting the operation of each signal independently comprising a closed electrical circuit including a source of electrical energy, electrically actuated means operative upon opening the closed circuit for effecting the connection of the first mentioned signal to the source of energy, other electrically actuated means operative upon the successive opening and closing of the closed circuit for effecting the connection of said second mentioned signal to the source of energy and additional electrically actuated means operative upon shunting a portion of the circuit for effecting the connection of the common signal to the source of energy, and means associated with one of said systems operative upon the operation of said last mentioned means for rendering the other control circuit ineffective to effect the operation of the common signal.

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2,121,358
TOOTH BRUSH
Albert Loeffler, New York, N. Y.
Application February 23, 1937, Serial No. 127,166
1 Claim. (Cl. 15—167)

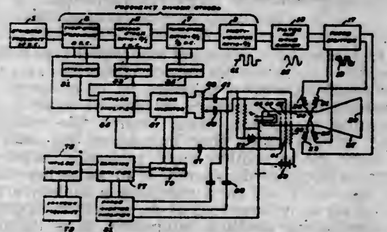
In a tooth brush, a handle, a brush backing extending substantially at a right angle uniformly from both sides at one end of said handle, said backing curved to present a convex face directed towards the opposite end of the handle and provided with brush tufts on its convex surface, its opposite concave side smooth, and a concavo-



convex guide plate curved in conformity with said backing and slidable on said handle relative to said brush tufts, said guide plate wider and longer than said backing to cover the extremities of said tufts and smooth surfaced throughout to prevent abrasions when the brush is in use.

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2,121,359
APPARATUS FOR TIMING OF PERIODIC EVENTS
David G. C. Luck, Hadden Heights, and Lowell E. Norton, Collingswood, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 31, 1937, Serial No. 134,074
8 Claims. (Cl. 172—245)



6. In a periodic timing device a cathode ray tube including ray deflecting means and a fluorescent screen, means for producing and biasing a cathode ray on said screen at uniform time intervals to form discrete timing marks on said screen to form a scale thereon, and means for impressing impulses occurring at an unknown rate upon said cathode ray so that said unknown rate impulses will leave an indication on said screen which may be compared with said uniform time intervals.

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2,121,360
ELECTRONIC OSCILLATOR
Louis Malter, Collingswood, Jan A. Rajchman and Robert Rhea Goodrich, 2nd, Camden, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 28, 1936, Serial No. 71,360
5 Claims. (Cl. 250—36)

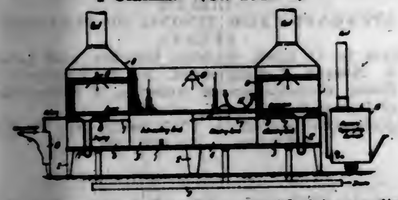


1. An electron oscillator comprising an evacuated envelope, a hollow cylindrical electrode

mounted within said envelope, a pair of cylindrical electrodes of substantially the same diameter spaced apart and coaxially mounted within the first mentioned electrode, said pair of electrodes having surfaces adapted to emit secondary electrons upon impact of primary electrons, a tuned circuit, connections from one of the terminals of said tuned circuit to one of said pair of electrodes and from the other terminal to the other electrode of said pair, a source of polarizing potential connected beween the outer electrode of said concentrically mounted electrodes and said tuned circuit, and a magnetic field whose lines of force are substantially coaxial with respect to said concentrically mounted cylinders.

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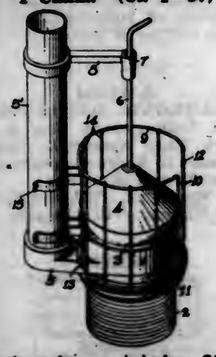
**2,121,361**
**OFFICE EQUIPMENT CLEANING PROCESS**
**Martin J. Marran, Oakland, Calif., assignor, by mesne assignments, to California Typewriter & Adding Machine Co., Inc., a corporation**
**Application October 7, 1936, Serial No. 104,476**
**4 Claims. (Cl. 134—1)**



1. A process of cleaning assembled typewriters and the like machines, which comprises cleaning the machine with a pressure jet of an atomized cleaning liquid composed of neutral water and a cleaning compound, then rinsing the machine with neutral water, then immersing the machine in light oil to remove rinse moisture therefrom by gravitational displacement of adhering water by said light oil, then applying a moisture free jet of air to remove excess oil, and then applying a lubricating medium composed of a light oil and a quick evaporating solvent therefor.

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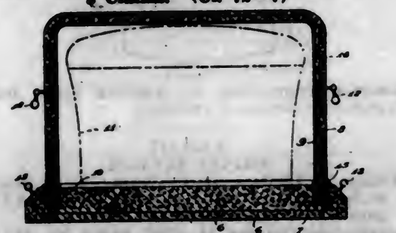
**2,121,362**
**VALVE GUIDE**
**Paul J. Marten, San Francisco, Calif.**
**Application August 10, 1937, Serial No. 158,359**
**1 Claim. (Cl. 4—57)**



In a flush valve, a tubular fitting through which water is adapted to flow, a valve seat on the fitting, a valve adapted to engage the seat, an upright overflow pipe connected to the fitting, a substantially cylindrical guide member supported by the overflow pipe by a clip means and extending around the valve for guiding the valve into proper seating engagement with the seat, the said guide member comprising a flexible wire bent so as to provide spaced semi-circular upper and lower members joined to one another by spaced but adjacent upright members, and a series of upright bars connected to the upper and lower semi-circular members.

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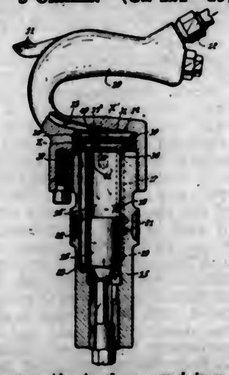
**2,121,363**
**BURIAL VAULT**
**Joseph F. Myers, Carthage, Mo.**
**Application April 6, 1937, Serial No. 135,310**
**3 Claims. (Cl. 72—7)**



1. A burial vault comprising a base of a material impenetrable by water and having a continuous channel in its upper face adjacent the edge thereof, an impervious cover, the lower edge of which is adapted to have a seating in said channel, a lining for the cover, the lower edge of which extends into said channel, and a sealing means filling said channel and uniting cover and base and extending above the lower edge of the lining.

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**2,121,364**
**OPERATING VALVE FOR PNEUMATIC HAMMERS**
**Edward E. Nagel, Lakewood, Ohio, assignor to Master Tool Company, a corporation of Ohio**
**Application July 6, 1936, Serial No. 89,668**
**5 Claims. (Cl. 121—19)**



1. A pneumatic tool comprising a cylinder, a piston movable in said cylinder, a tool positioned for impact by said piston, means for supplying a fluid under pressure to said cylinder including valve inlet ports, and a valve element having outlet ports for the passage of said pressure fluid from said valve to said cylinder, said valve element having a slot between said outlet ports in alignment with said valve inlet ports and provided with flat parallel side walls forming valve seats, said slot being of a lesser width than the diameter of said valve inlet ports, a flat member provided with parallel sides movable in said slot, between said valve outlet ports with the entire area of its side alternately engageable with the valve seat to open and close said ports, means for conducting said pressure fluid from said outlet ports for entrance to said cylinder on opposite sides of said piston, means for conducting exhaust fluid to actuate said member to close one valve outlet port and open the other, and said flat member having a beveled edge extending throughout its length and subject to pressure fluid in one position thereof for exerting a pressure of lesser magnitude in opposition to that normally impressed upon said flat member to cause rapid movement of the latter upon an increase of pressure of said exhaust fluid.



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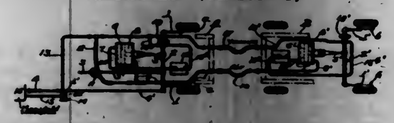
**2,121,365**
**CAR DUMPING APPARATUS**
**Frank Faidee, Jr., Hazleton, Pa., assignor to Anthracite Separator Company, Hazleton, Pa., a corporation of Pennsylvania**
**Application October 23, 1936, Serial No. 107,143**
**1 Claim. (Cl. 214—62)**



Mine car dumping apparatus which comprises a pair of spaced helical guide members diametrically arranged relative to an intermediate axis, a mine car to pass between said guide members having means on each side to engage a guide member whereby said car is rotated on a common axis of its members as it moves longitudinally thereof, and a receiving chute having a wall extending up and about the helical curvature of said guide members and in close proximity to the side of said car, said guide members being outside of said chute wall and said chute wall being slitted for the passage of said supporting elements.

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**2,121,366**
**BRAKING MECHANISM**
**Herbert M. Robinson, Philadelphia, Pa., assignor to American Die & Tool Company, Reading, Pa., a corporation of Pennsylvania**
**Application February 4, 1936, Serial No. 62,263**
**5 Claims. (Cl. 188—3)**



1. The combination with a traction vehicle and a trailing vehicle connected therewith, of means for automatically braking the trailing vehicle upon the rupture of the connection between the vehicles, means for automatically locking said braking mechanism upon the application thereof resulting from such rupture, and means on the traction vehicle for controlling said locking means during the connection of said vehicles independently of the operation of the aforesaid braking means.

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**2,121,367**
**PROCESS OF CATALYTICALLY HYDROGENATING HIGH-MOLECULAR NONAROMATIC CARBOXYLIC ACIDS**
**Georg Schiller, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany**
**No Drawing. Application July 25, 1935, Serial No. 33,127. In Germany July 27, 1934**
**9 Claims. (Cl. 260—156)**

1. The process of producing alcohols by catalytic hydrogenation of materials containing a substantial amount of non-aromatic carboxylic acids containing at least 8 carbon atoms per molecule, which comprises treating the said materials at a temperature sufficiently elevated to commence the reaction under superatmospheric pressure of at least 20 atmospheres with a gas essentially comprising hydrogen in the presence of a hydrogenation catalyst comprising essentially a metal selected from the group consisting of nickel, cobalt and copper and in the presence of a basic reacting oxide of from a di- to a trivalent metal in an amount at least molecularly equivalent to the said carboxylic acids present.
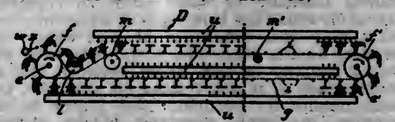
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**2,121,368**
**PROCESS OF CATALYTICALLY HYDROGENATING METAL SALTS OF HIGH MOLECULAR NONAROMATIC CARBOXYLIC ACIDS**
**Georg Schiller, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany**
**No Drawing. Application November 14, 1936, Serial No. 110,848. In Germany July 27, 1934**
**10 Claims. (Cl. 260—156)**

1. The process of producing alcohols by catalytic hydrogenation of materials containing a substantial amount of a salt of from a di- to a trivalent metal, of a non-aromatic carboxylic acid containing at least 8 carbon atoms in the molecule which consists in treating the said materials at a temperature above 150° C. under a pressure above 10 atmospheres with a gas essentially comprising hydrogen in the presence of a hydrogenation catalyst comprising essentially a metal selected from the group consisting of nickel, cobalt and copper.

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**2,121,369**
**METHOD FOR TREATING TOBACCO**
**Rush D. Touton, Philadelphia, Pa., assignor, by mesne assignments, to Wurton Machine Company, Philadelphia, Pa., a corporation of Pennsylvania**
**Original application February 13, 1930, Serial No. 428,022. Divided and this application June 21, 1933, Serial No. 676,969**
**39 Claims. (Cl. 131—55)**



15. The method for conditioning and fabricating tobacco which includes subjecting the tobacco in hands, comprising a plurality of tobacco leaves, to an atmosphere the temperature of which is lower and the relative humidity of which is higher than the temperature and relative humidity of the atmosphere in which the treated tobacco is subsequently fabricated until the conditioning of the tobacco is completed, agitating the hands to promote separation of the leaves as they absorb

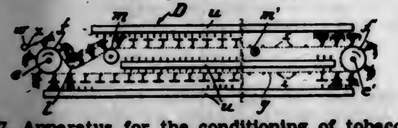
moisture in the conditioning treatment and when the conditioning of the tobacco is completed maintaining the conditioned tobacco in an atmosphere at a temperature below that of the atmosphere in which the conditioned tobacco is subsequently fabricated and then fabricating the conditioned tobacco in a conditioned atmosphere at a temperature above that of the atmosphere in which the tobacco was maintained after completion of the conditioning treatment.

### 2,121,370
### APPARATUS FOR TREATING TOBACCO

Rush D. Teuton, Philadelphia, Pa., assignor, by mesne assignments, to Wurtzen Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application January 6, 1931, Serial No. 506,206, which in turn is a division of Serial No. 428,022, February 12, 1930. Divided and this application October 12, 1933, Serial No. 693,320

19 Claims. (Cl. 131—55)
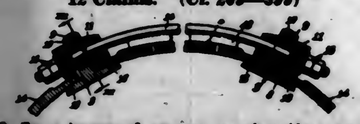


7. Apparatus for the conditioning of tobacco which includes an endless moving carrier for tobacco, means for fixedly supporting hands of tobacco on the carrier by their butts only with the leaves normally extending at an angle to the carrier, means for diverting the hands of tobacco from their normal direction of extension in the movement of the carrier and means located in close proximity to the path of travel of the hands for projecting jets of humid air into the hands of tobacco on the carrier while the hands are being diverted.

### 2,121,371
### TROMMEL SCREEN

John A. Trayler, Tiger, Colo.

Application February 26, 1936, Serial No. 65,933

12 Claims. (Cl. 209—399)



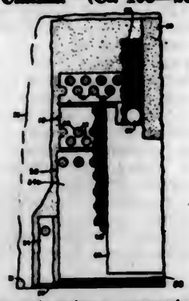
10. In a trommel screen construction, annular heads, spanners extending longitudinally between and interconnecting said heads to constitute a skeleton drum, a plurality of arcuate perforated screen plates disposed about the skeleton drum to form therewith a substantially cylindrical screen, said spanners having foot portions extending laterally of said drum to constitute shelves on which the side edges of adjacent screen plates may rest exteriorly of said drum, said spanners having projecting portions thereon projecting radially of said drum between the adjacent edges of plates resting on said foot portions, means for securing said plates to said spanners including clamping blocks disposed above said foot portions of said spanners to rest upon the outer surface of said plates, said blocks comprising a wedge-shaped portion in contact with said projecting portion of said spanner and means extending circumferentially of said drum and engaging said blocks for drawing said blocks circumferentially of said drum and toward said foot portions to securely clamp the edges of said plates between said blocks and said foot portions of said spanners.

### 2,121,372
### JOINT CONSTRUCTION

Edgar M. Tucker, South Pasadena, Calif.

Application January 6, 1937, Serial No. 119,316

9 Claims. (Cl. 106—26)



3. A building structure comprising a strip of metal and a coated wall, said strip having apertures therein and the coating on the wall passing through the apertures to provide locking projections, a wire mesh member secured to said strip and engaging the outer face of the strip, said locking projections extending through the mesh, and a flexible cover secured to said strip and being adapted to be arranged over the up turned portion of a roofing material.

### 2,121,373
### TOOTH BRUSH

William E. D. Turner, Portland, Oreg.

Application January 21, 1936, Serial No. 60,010

3 Claims. (Cl. 15—167)



1. A brush comprising a head and handle portion, the head portion being formed with a cavity having a bottom wall and having flat rigid side walls, said side walls converging toward each other, bristles permanently mounted within said cavity to the bottom and side walls thereof and extending outwardly therefrom and converging toward each other in accordance with the convergence of said side walls.

### 2,121,374
### ORNAMENTAL DISPLAY MATERIAL

William Venner, New York, N. Y.

Application March 2, 1933, Serial No. 658,442

10 Claims. (Cl. 41—36)



3. An article of manufacture which has a sheet-like form which may be given a small radius of curvature and which may be bent to form an acute dihedral angle and comprising a series of adjacent, similar linear deformations, each linear element of each deformation extending across said article and having respectively upper and lower parts, adhesive applied only to the upper parts of said deformations and finely divided material secured to said adhesive, said upper parts, covered with said adhesive and said material, being more rigid than said uncovered lower parts and said article, when bent along the general direction of said deformations, being adapted to change its shape principally in said lower parts whereby said adhesive and said material secured thereto remain affixed to said article during such bending.



### 2,121,375
### STOP MECHANISM FOR KNITTING MACHINES

Michael Wachsman, Brooklyn, N. Y.

Application May 28, 1937, Serial No. 144,586

1 Claim. (Cl. 66—163)



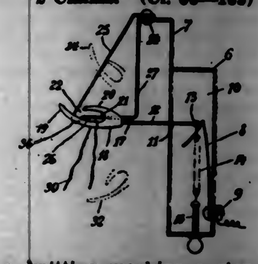
In combination a housing, a yarn supporting lever pivoted in the housing and having an arm extending within the same, a spring in the housing for maintaining the lever in normal yarn supporting position, means for adjustably securing one end of the spring to the housing, a weighted wheel adapted to run upon the said lever arm and means for securing the other end of the spring to the weighted wheel.

### 2,121,376
### STOP MECHANISM FOR KNITTING MACHINES

Jacob Wachsman and Michael Wachsman, Brooklyn, N. Y.

Application June 18, 1937, Serial No. 148,854

2 Claims. (Cl. 66—163)



1. In a knitting machine a stop mechanism under control of a travelling thread, a circuit closer unit comprising a housing, a fixed electrical terminal secured thereto, a single spring held lever pivoted in said housing including thread receiving and supporting fingers, said lever serving both as a knot detector and an end detector for a thread placed upon said fingers, a spring for balancing said lever in a normal operative position against the weight of a thread placed upon said fingers, a contact heel on said lever, said spring continuously tending to move said contact heel into engagement with the said fixed terminal and a fixed guard on said housing to hold the lever against engaging said terminal so long as a thread lies upon the fingers of the lever.

### 2,121,377
### TARGET

Francis Reginald Beaman Whitehouse, Edgbaston, Birmingham, England

Application July 13, 1936, Serial No. 90,350

In Great Britain November 29, 1935

5 Claims. (Cl. 273—105.3)



1. Game apparatus including a sloping platform, a target adapted to travel down said platform under the action of gravity with a step-by-step motion, and a screen disposed in front of said platform and having one or more portions intermediate its ends which temporarily obscure said target during the latter's passage down said platform, said target comprising a body portion in the form of a toy figure, a carriage on which said body portion is mounted, said body portion being adjustable longitudinally of said carriage, a rounded projection underneath said carriage upon which the target is adapted to rock longitudinally, and a sector-shaped member pivoted on a transverse axis behind the centre of said projection and adapted periodically to engage said platform as the target rocks, whereupon said sector-shaped member turns about its pivotal axis and allows said target to run forwards.

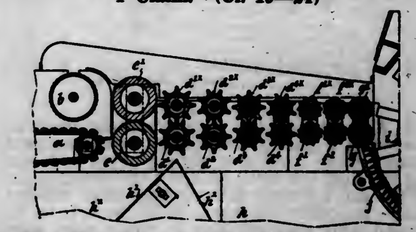
### 2,121,378
### APPARATUS FOR MECHANICALLY TREATING FLAX STALKS AND THE LIKE

Henry Wilkinson and Norman Pilkington, Oldham, England, assignors of one-third to Platt Brothers and Company Limited, Oldham, England

Application February 5, 1936, Serial No. 62,472

In Great Britain February 16, 1935

1 Claim. (Cl. 19—24)

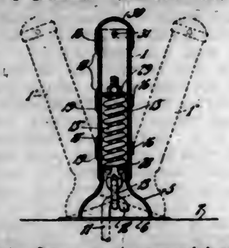


In a flax straw treating machine, a pair of feed rolls, a series of pairs of crimping rolls, each of said pairs of crimping rolls comprising an upper roll and a lower roll, said pairs of crimping rolls being arranged on the delivery side of the feed rolls with the pairs uniformly spaced, the first pair of rolls of the series being of greater diameter than the last pair of rolls of the series and the intermediate pairs being gradually decreased in diameter throughout the series, all of said rolls being provided with a uniform number of teeth whereby the pitch of the teeth on the several pairs gradually decreases from the first to the last pairs of rolls, means to drive said crimping rolls at uniform revolutions per minute whereby to prevent draft on the straw as it passes through said crimping roll, a series of pairs of decrimping rolls positioned to receive

material delivered from the crimping rolls, each roll of the decrimping rolls having its periphery provided with shallow grooves forming spaced cusps extending longitudinally of the roll, said decrimping rolls being arranged to revolve with the cusps of one roll of the pair entering the grooves of the other roll of the pair, and a pair of corrugated delivery rolls arranged to receive material from the decrimping rolls.

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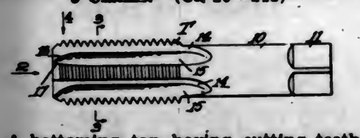
**2,121,279**
**GUARD OR PROTECTIVE DEVICE FOR TREES OR HYDRANTS**
David H. Young, Williamsett, Mass.
Application August 14, 1936, Serial No. 96,068
3 Claims. (Cl. 189—23)



1. A safety fence post comprising a flat base plate, means for anchoring said plate, a tubular post member slidably supported on said plate, a hook member rigidly secured on said anchoring means, resilient connecting means including a link member between said hook member and said post member.

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**2,121,280**
**BOTTOMING TAP**
Russell F. Bath, Shrewsbury, Mass., assignor to John Bath & Company, Worcester, Mass., a corporation of Massachusetts
Application September 25, 1937, Serial No. 165,726
5 Claims. (Cl. 10—141)



1. A bottoming tap having cutting teeth arranged in a plurality of axially extending lands separated by axial clearance grooves and having the first few teeth adjacent the entering end of the tap provided with cutting edges substantially angularly disposed with respect to the thread helix and effective to direct chips along the clearance grooves and away from said entering end.

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**2,121,281**
**REFRIGERATING DEVICE**
Joseph Tétu Bertrand, Isle Verte, Quebec, Canada
Application August 27, 1936, Serial No. 98,240
In Canada October 15, 1935
1 Claim. (Cl. 62—20)

A refrigerator of the character described, comprising a metallic inner casing, a porous mattress disposed against the outer surface of the casing at the top thereof, an ice chamber formed over said mattress, reservoirs formed adjacent the ice chamber and over the mattress to receive a portion of the water produced from the melting of the ice, the remaining portion being absorbed by the mattress by capillarity, lateral mattresses disposed against the sides of the casing and adapted to be wetted by capillarity with the water of the upper mattress, an insulating dry layer arranged over the ends of the casing, dry porous means thermally insulating the top



of the refrigerator above the ice chamber and water reservoirs, ventilating apertures at the top and bottom of the casing for circulating air inside the same, a weather-proof canvas over the upper insulating layer, and louvres disposed outwardly of the lateral mattresses for evaporating the water contents thereof by air currents.

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**2,121,282**
**JAR**
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application February 11, 1937, Serial No. 125,308
Renewed March 10, 1938
3 Claims. (Cl. 215—12)



1. The combination in a cosmetic container, of a thin-walled cup-shaped molded containing member having its interior diameter at the top at least as large as is the interior diameter below the top, the said member being externally threaded adjacent its upper periphery for engagement with a closure of the cap type and having an outward projecting annular flange located immediately below the thread, a molded base member beneath the containing member and extending radially in all directions at least as far as does the said flange on the containing member, retaining means formed integrally with the bottom of the containing member and connected with the said base member to hold the said members against relative lateral movement and to resist relative upward movement of the containing member, and an enclosing member structurally separate from the base member and from the containing member and surrounding the latter, the said enclosing member being held in place by engagement with the top of the base member and with the bottom of the flange on the containing member.

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**2,121,283**
**COSMETIC CONTAINER**
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut
Application February 11, 1937, Serial No. 125,309
8 Claims. (Cl. 215—1)

1. The combination in a cosmetic container, of a plurality of thin-walled cup-shaped molded containing members positioned at approximately the same level and each having its interior diameter at the top at least as large as is the interior



diameter below the top, each of the said members being externally threaded adjacent its upper periphery for engagement with a closure of the cap type, a common molded base member beneath all of the said containing members, retaining means formed integrally with the bottoms of the said containing members and connected with the said base member to hold the said members



against relative lateral movement and to resist relative upward movement of the containing members, and a common enclosing member structurally separate from the base member and from the containing members and surrounding all of the latter, the said enclosing member having a top wall with openings therein for receiving the containing members.

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**2,121,284**
**COMPOSITE SPONGE**
Harry Z. Gray, Lebanon, Ohio
Application April 30, 1936, Serial No. 77,203
11 Claims. (Cl. 15—105)

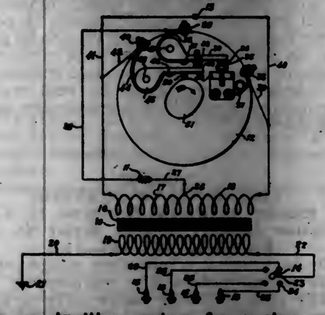


1. A composite sponge comprising a layer of natural loofah and at least one layer of soft porous rubber arranged face to face in moisture transferring relation.

11. A structure adapted to be incorporated in a composite sponge, said structure consisting of a pad of natural loofah fibre, and a binder of vulcanized rubber disposed in the plane of the pad, outside the margins of the latter and bonded solely to said margins by vulcanization.

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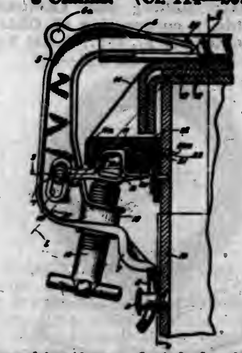
**2,121,285**
**IGNITION SYSTEM**
Leonard L. Henderson, Dayton, Ohio
Application May 19, 1936, Serial No. 80,573
Renewed May 9, 1938
6 Claims. (Cl. 123—148)



1. In an ignition system for engines, an induction coil having a pair of primary windings arranged in electrical opposition to one another and a secondary winding, a source of electrical energy, means for alternately directing said energy to said primary windings, said directing means comprising devices including twin sets of contact points, and means arranged to engage one set of contact points while simultaneously disengaging the other set, and means for distributing the induced current from said secondary winding to said engine.

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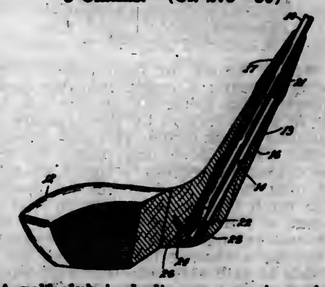
**2,121,286**
**HATCH FASTENER**
Gust A. Henrickson, Cleveland, Ohio, assignor of one-half to Carl O. Rydheim, Cleveland, Ohio
Application February 29, 1936, Serial No. 66,493
8 Claims. (Cl. 114—203)



1. In combination, a hatch having a coaming provided with an exteriorly arranged laterally extending bracket, means depending from the underside of said bracket to form a wedge shaped recess intermediate said means and said coaming, a hatch fastener provided with a jaw extending beneath said bracket, said jaw being recessed to receive a batten strip and being provided with a surface corresponding to and abutting the adjacent surface of said means whereby movement of said jaw into clamping position resiliently wedges said batten strip and jaw into said wedge shaped recess.

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**2,121,287**
**GOLF CLUB**
Fred C. Hosner, Chicago, Ill.
Application July 24, 1934, Serial No. 736,659
3 Claims. (Cl. 273—80)



1. A golf club including a one-piece club head having an elongated neck with a central bore, a tapered shaft for said club head secured in said

bore, and means for securing said shaft in said head, said means including a tubular metal bushing in said bore secured to said club head, and fusible material at the top of the bushing and extending annularly between the shaft and bushing to fuse the same into a positive connection, a non-fusible washer surrounding said shaft and within the bushing near the lower portion of the bushing, and fusible material at the bottom of the bushing extending annularly between the shaft and bushing to fuse the same into a positive connection, with an air space provided between the shaft and bushing intermediate the top securing means and said washer.

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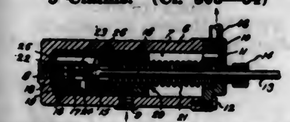
**2,121,288**
**CONVEYER AND METHOD**
Edward N. Millan, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application September 17, 1937, Serial No. 164,375
8 Claims. (Cl. 198—35)



1. A conveyer comprising two flights of conveyer rolls, said flights being disposed at an angle to each other to form a trough-like structure, and the rolls of each flight being disposed at an angle to the center line of the conveyer which is less than a right angle.

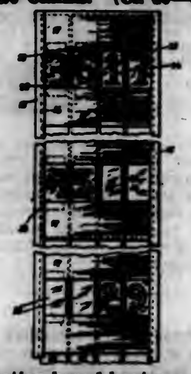
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**2,121,289**
**CONTROL FOR FLUID PRESSURE DEVICES**
George G. Merin and Emile J. Carleton, Holyoke, Mass.
Application June 13, 1936, Serial No. 85,008
5 Claims. (Cl. 303—54)



1. A control device for fluid-pressure devices, comprising a casing, a piston movable back and forth therein and subjected on one side to and movable in one direction by the pressure of the fluid supplied to the device, yieldable means acting on the other side of the piston for moving it in the opposite direction, a single piston valve element mounted in said piston for movement back and forth in a path parallel to that of the piston, and a control rod fixed directly to said element and extending outside said casing, said piston having a passage leading from the first-named side to said valve element and controlled by the latter and having fluid admission and discharge passages alternatively connectible to said first named passage by said valve element.

**2,121,290**
**QUOTATION BOARD**
William E. Roland, Los Angeles, Calif., assignor of one-half to Frederick S. Lee, Los Angeles, Calif.
Application July 1, 1937, Serial No. 151,259½
20 Claims. (Cl. 40—63)



20. A quotation board having a transverse slot, a panel slidably guided down one end thereof and having provision for displaying indicia of stocks and bonds, a removable stop supporting the panel in display position, a shutter panel on the board, a removable stop supporting the panel out of registration with said slot, a friction latch holding said panel in adjustable slidably guided position, a removable adjustable stop against which said shutter panel engages to be registered in covering relation to said slot, a row of guides traversing said slot and extending transversely thereof, and a row of flexible endless loops threaded manually in the latter guides through said slot and exhibiting interchangeably a line of stock and bond quotations across said slot.

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**2,121,291**
**NONCORRODIBLE ALLOY ARTICLES AND METHOD OF MAKING SAME**
William B. Arness, Baltimore, Md., assignor to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware
No Drawing. Application August 17, 1936, Serial No. 96,539. In Great Britain November 30, 1933
16 Claims. (Cl. 90—60)

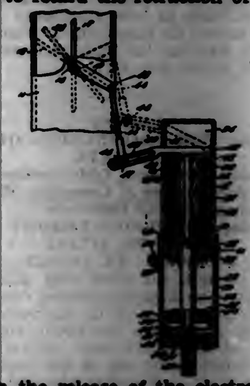
1. In manufactures of the class described, work-hardened alloy iron and steel plate, sheet, strip, bars, rods, wire and tubes, comprising as essential ingredients approximately, 10 per cent to 30 per cent chromium, 5 per cent to 30 per cent nickel, .06 per cent to .20 per cent nitrogen, and the balance substantially iron, said manufactures being hardened throughout by cold reduction, giving desired strength in combination with retained ductility.

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**2,121,292**
**CHOKE VALVE CONTROL**
Handel Ashworth, Malverne, N. Y.
Application January 5, 1933, Serial No. 183,557
8 Claims. (Cl. 123—119)

1. In an internal combustion engine equipped with a cooling system, the combination with a normally open retractile choke valve of the carburetor thereof, of manually controlled electromagnetic means for moving the choke valve in one direction opposed to the direction of the retractile force, and a dashpot provided with a variable rate of movement within the limits of its stroke to retard the retraction of the choke

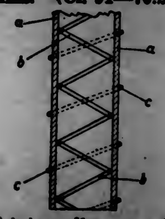




valve upon the release of the electro-magnetic means, and the entire range of the movement of the dashpot further controlled by the temperature of the cooling system.

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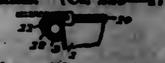
**2,121,293**
**METHOD FOR COPPERING OF SEAMLESS TUBES**
Matthäus Braun, Frankfort-on-the-Main, Germany
Application November 18, 1935, Serial No. 50,450
In Germany July 4, 1935
6 Claims. (Cl. 91—70.2)



1. A process of internally coppering tubes and the like comprising inserting in the tube copper wire wound in a helix of such diameter that the wire presses elastically along its whole length against the inner wall of the tube, applying a liquid flux to the tube and the wire helix wherein the flux will be retained to a greater amount around the wire of the helix, and subjecting the tube with the wire therein to heat to melt the copper and thus coat the inner wall.

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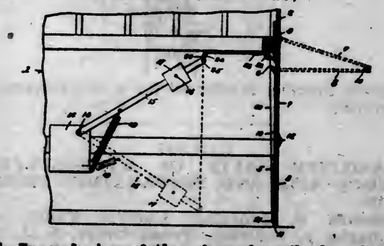
**2,121,294**
**CONTAINER AND CLOSURE THEREFOR**
Herman Carew, Easton, Pa., assignor to Dixie-Vertex Company, Easton, Pa., a corporation of Delaware
Application August 8, 1936, Serial No. 95,023
2 Claims. (Cl. 229—47)



1. In combination with a container formed of paper or other fibrous material and having an outwardly directed readily compressible rounded bead at its normally open mouth, of a closure including a disc of fibrous material and of a diameter to permit it to be seated on the upper surface of the rounded bead and a bendable member secured to the disc and normally projecting horizontally beyond the marginal edge thereof with a portion extending parallel with the disc, said bendable member being adapted to be bent around the rounded bead of the container and into engagement with the under surface thereof, the engagement of the bendable member with the bead drawing the disc into tight seating engagement with the compressible bead to provide a tight seal between the closure and container.

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**2,121,295**
**DOOR**
Gerald M. Cooper, Findlay, Ohio
Application November 20, 1936, Serial No. 111,948
2 Claims. (Cl. 20—20)



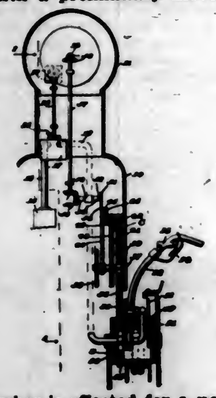
1. In a device of the class described, a building having a doorway, vertical tracks on the building at opposite edges of the doorway, a door comprising upper and lower members, the upper member being hinged at its upper edge to the building, above the doorway, hinge means connecting the upper portion of the lower member with the lower portion of the upper member, and constraining the upper and lower members to fold outwardly when the lower member is raised, means on the lower member for engaging the tracks slidably, the relative heights of said members being such that when the door is raised, the upper member will form an outwardly projecting and downwardly slanting canopy above the doorway and external to the building, the lower member then forming a horizontal prop, external to the building and holding the upper member in the position stated, a resiliently tensioned pivoted counterweight mechanism for holding said door in raised and lowered position, and a flexible connection between said door and counterweight mechanism.

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**2,121,296**
**DISPENSING APPARATUS WITH INDICATOR AND AUTOMATIC CONTROLS**
James M. Dayton, Torrington, Conn.
Application May 16, 1935, Serial No. 21,866
17 Claims. (Cl. 221—95)

1. A dispensing apparatus comprising a movable delivery member, dispensing means for supplying the dispensed material through the delivery member and for measuring the quantity dispensed, an indicator driven from the dispensing means, and means for resetting the indicator; said resetting means including a power storage device movable between an initial and an energy-storage position, and means actuated by the movement of the delivery member toward delivery position for storing energy in said device and for thereafter releasing the device for effecting a resetting during return of the device into its initial position, whereby the indicator remains

at the position attained during a prior dispensing operation until a preliminary movement of the



delivery member is effected for a new dispensing operation.

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2,121,397

**STABILIZED SALTS OF HYDROSULPHUROUS ACID AND PREPARATION THEREOF**

Frederick B. Downing, Carneys Point, and Charles J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 10, 1936, Serial No. 100,218

7 Claims. (Cl. 23—243)

4. A stable free-flowing composition comprising a salt of hydrosulphurous acid which is normally unstable in the presence of air, said salt having a superposed thin coating of a natural resin, said coating constituting from about 0.05 to about 2 per cent by weight of the product.

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2,121,398

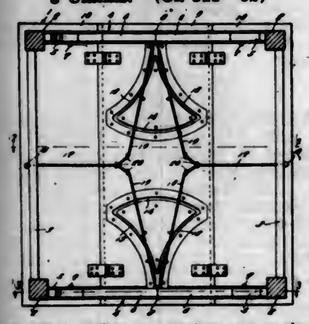
**FOLDING TABLE**

Thomas C. Dukes, Farnell, Mo.

Application July 30, 1936, Serial No. 93,470

Renewed December 3, 1937

3 Claims. (Cl. 311—62)



1. A folding table comprising a pair of end sections movable toward and away from each other, said end sections including supporting legs, foldable rails connecting the end sections, said foldable rails including inwardly swinging sections hingedly connected at one end, a stationary leaf mounted on the foldable rails, means slidably connecting the hingedly connected ends of the foldable rail sections to said stationary leaf, a pair of drop leaves hingedly mounted on the stationary leaf, means slidably connecting the end sections to the stationary and drop leaves, and means for actuating the rails to folded position for moving the end sections inwardly beneath the stationary leaf.

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2,121,399

**PROCESS FOR PRODUCTION OF ZINC SULPHATE**

Ivan L. Haag, Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 23, 1937, Serial No. 127,311

2 Claims. (Cl. 23—125)

1. In a process for producing zinc sulphate monohydrate, the steps comprising concentrating a zinc sulphate solution by evaporation while maintaining its acidity at about from 1% to about 2% as sulphuric acid, crystallizing zinc sulphate monohydrate out of the saturated zinc sulphate solution, and separating and drying the zinc sulphate monohydrate crystal together with from about 15 to 30% of its weight of the saturated solution.
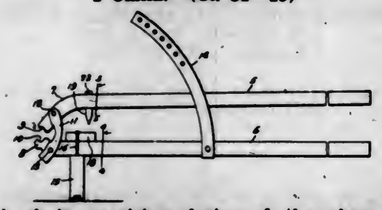
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2,121,400

**CHAIN REPAIRING APPARATUS**

Louis Hoffman, Walla Walla, Wash.

Application June 12, 1937, Serial No. 147,961

1 Claim. (Cl. 81—15)



A chain repairing device of the character stated comprising a base consisting of a substantially inverted U-shaped structure, a handle disposed at one end portion across the bight portion of the inverted U-shaped structure, a second handle, a pivotal link connection between the handles, an anvil block mounted on the first-mentioned handle above the bight portion of the inverted U-shaped structure, a tool carried by the second-mentioned handle in opposed relation with the said anvil block, and a U-shaped clamp member disposed over the block and first-mentioned handle and through openings in the bight portion of the inverted U-shaped structure, and nuts on the lower ends of the U-shaped clamp member adapted to be fed against the bottom side of the bight portion of the inverted U-shaped structure.

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2,121,401

**SPRAY NOZZLE**

Gaston F. Hollis, St. Petersburg, Fla., assignor of one-third to Forrest Hoffman, St. Petersburg, Fla.

Application May 1, 1937, Serial No. 140,681

4 Claims. (Cl. 299—130)

1. A spray nozzle of the class described, having in combination, a nozzle member, having a connecting means with a spray solution supply, an aperture at its outer tapered end, providing



means for jetting of the spray solution, a spray density regulating member extending beyond the forepart of said nozzle and adjustably associated with the nozzle and slideable thereon to regulate the spray density, the tapered portion in combination with a horizontal portion of said nozzle forming a tilting means and a resting surface for the rear portion of said regulating member, which is semi-tubular shaped and has depressed sloping and horizontal portions to provide seating means for said regulating member upon the tapered and horizontal portions of the nozzle, the outer por-



tion of said regulating member being flat, fan shaped, and sloped downward and outward, thereby providing an intermediate deflecting surface for the jetted solution, and the extreme outer edge thereof bent downward forming a lip, which acts as a further spray deflecting means, and the distance of which from the jet end of the nozzle determines the density of the spray, and means to permit concentration of the spray consisting of side lateral portions extending downward from the plane of the fan shaped portion of the regulating member, and locking means for said member upon the nozzle.

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2,121,402

**NECKTIE HOLDER**

Hartman H. Knoebel, Jr., Elysburg, Pa.

Application March 22, 1937, Serial No. 132,393

1 Claim. (Cl. 24—56)



A necktie holder, comprising, a pair of spaced legs fashioned together at the upper ends thereof to constitute a bridge having a folded section extending in parallelism with said legs, said folded section formed at the lower end thereof with a substantially right angular extending shelf, and a pin having the head section thereof secured in said shelf and the point section extending axially therefrom, said legs adapted to be inserted downwardly about the shank of a collar button between the head of said button and the outer face of a collar band whereby to position said folded section over the head of said button to maintain said shelf and pin in a position substantially coextensive with said shank for supporting a necktie in adjusted position on said pin when penetrated thereby.

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2,121,403

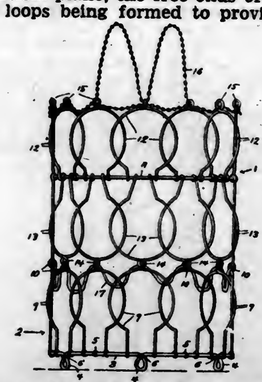
**WIRE ARTICLE**

Joseph Lapinskas, Cicero, Ill.

Application November 10, 1937, Serial No. 173,929

3 Claims. (Cl. 245—1)

1. An article of the class described comprising upper and lower units, the lower unit including a wire supporting ring, a plurality of slidably interconnected loops journalled on said supporting ring for swinging movement in a vertical plane, the free ends of said loops being formed to provide eyes, an endless flexible element mounted in said eyes, the upper unit comprising a wire ring, slidably interconnected loops journalled on the second named ring for swinging movement in a vertical plane, the free ends of said second named loops being formed to provide eyes engaged in the first named eyes for connecting the first and second named loops together for operation in unison.



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2,121,404

**METHOD OF COATING SHEET METAL CANS**

James H. O'Neil, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application August 17, 1936, Serial No. 96,502

3 Claims. (Cl. 91—68)



1. The method of coating a sheet metal can having a neck portion terminating in a sealing lip with a thermo-plastic material, consisting in flowing the material while in fluid condition over the entire inner surface of the can, draining the surplus material from the can, subjecting the can to a vacuum creating means for drawing air from the can, and directing the flow of the air from the can so that it passes across the material accumulating on the inner surface of the sealing lip during draining for reducing the coating thereon to a thin adhering covering.

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2,121,405

**RATCHET GEAR MECHANISM**

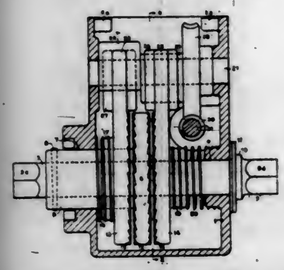
David Deane Panabaker, St. Mary's, Ontario, Canada

Application August 21, 1936, Serial No. 97,277

6 Claims. (Cl. 74—124)

1. A ratchet gear reduction mechanism comprising a shaft, a ratchet wheel mounted on said

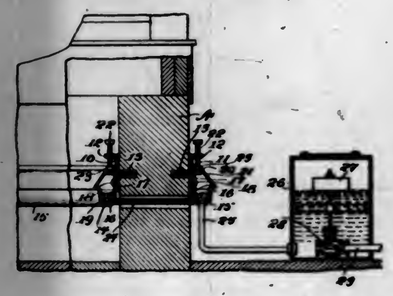
shaft and having teeth in the face thereof, a pawl mounted for oscillation about the axis of said shaft adjacent the face of said ratchet wheel means for biasing said pawl into engagement with the teeth on said face, a second shaft having its axis extending substantially parallel to that of said first shaft, an eccentric mounted on said second shaft for rotation about the axis thereof, means for rotating said eccentric, means extending from said pawl and having a surface adjacent one side of said eccentric whereby said pawl is oscillated in a forward direction as said



eccentric is rotated, and means extending from said pawl and having a surface adjacent the other side of said eccentric whereby said pawl is oscillated in a backward direction as said eccentric is rotated, said last-named means including a rod mounted in a socket formed in said pawl and having an offset surface adapted to co-operate with said eccentric, said rod being rotatable in said socket about its longitudinal axis to vary the co-operative engagement of said offset surface and said eccentric, whereby the angle through which said pawl is oscillated to drive said ratchet wheel may be varied.

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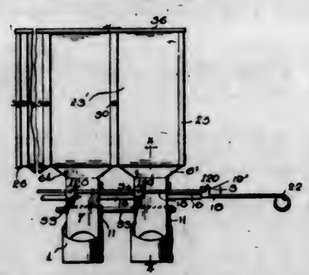
**2,121,406**
**VERMIN ELIMINATING DEVICE**
**Absolom D. Purifoy, Mobile, Ala.**
**Application October 5, 1936, Serial No. 104,154**
**1 Claim. (Cl. 43—124)**



A vermin eliminating device for a perpendicular support of a building, comprising a pair of troughs arranged horizontally at opposite sides of the said support and coextensive therewith, a liquid tube carried through the support between said troughs and connected with the latter for communication of the said troughs with each other, an overhang associated with each trough and extended outwardly slightly beyond the same, and means for supplying liquid to one of the troughs for the filling of all the troughs at a determined level.

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**2,121,407**
**ANIMAL FEEDER**
**Joseph M. Ramsey, Wilmar, Calif.**
**Application March 19, 1935, Serial No. 11,851**
**3 Claims. (Cl. 119—56)**



1. An animal feeder unit having a hopper comprising a front wall, a back wall, and side walls; a chute and a feeding trough, the front and the back edges of the walls at one side of the feeder being provided with grooves, the edges of the front and the back walls at the other side of the feeder having tongues, a side wall having flanges to fit into the grooves, another side wall provided with grooves to fit over the tongues whereby other units of similar construction may be added to the original unit on either or on both sides by removing the side of the unit to which the new unit is to be added and assembling the new unit where the side of the original unit was removed and means for holding the plurality of units in assembled relation.

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**2,121,408**
**ARTIFICIAL CELLULOSIC MATERIAL**
**Friedrich Raspe and Hermann Giese, Leverkusen I. G. Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany**
**No Drawing. Application June 15, 1936, Serial No. 85,439. In Germany June 28, 1935**
**2 Claims. (Cl. 106—46)**

1. An artificial cellulosic material possessing a dull luster and obtained from a cellulosic solution, containing a uniformly distributed delustering agent consisting of finely divided acid-free precipitated and dried but uncalcined titanium pigment in an amount between about 1% and 5% based on the weight of cellulose in said material.

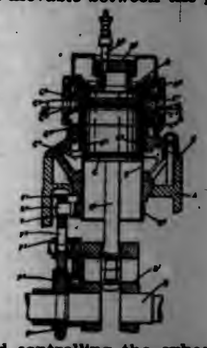
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**2,121,409**
**TWO-STROKE INTERNAL-COMBUSTION ENGINE**
**Harry Ralph Ricardo, London, England**
**Application October 15, 1935, Serial No. 45,156**
**In Great Britain October 19, 1934**
**6 Claims. (Cl. 123—65)**

1. An internal-combustion engine, comprising a cylinder with a cylinder head and provided in its wall with exhaust ports adjacent to said head, the part of the cylinder bore on the side of the exhaust ports nearest to the cylinder head being provided with a slight taper, the smallest diameter of which is adjacent to the cylinder



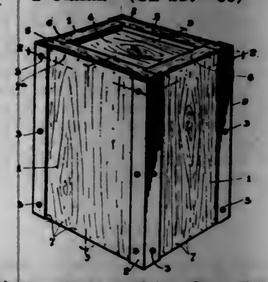
head; a piston operable in said cylinder; and a sleeve valve movable between the piston and the



cylinder and controlling the exhaust ports with the edge at one end of the sleeve.

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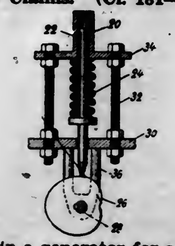
**2,121,410**
**PACKING CASE**
**Mark Round, Old Hill, England**
**Application December 16, 1933, Serial No. 702,821**
**In Great Britain March 24, 1933**
**1 Claim. (Cl. 217—66)**



A packing case comprising four thin plywood panels forming the four side walls of the case and arranged at the corners so that the edge of one panel abuts against the face at the extreme edge of the adjacent panel to form a right angled corner on the outside, strips of metal bent into L-shape in cross section and fixed at the corners on the outside to form the sole means of connecting adjacent panels together, the four side walls and said L-shaped strips being assembled together to form one unit of the case, and a top and bottom for the case each comprising a rectangular plywood panel and a rectangular batten frame to the face of which the panel is secured and each fixed inside the ends of the case with the plywood panels on the inner side and with the edges of the panels and outer surface of the battens in direct contact with the side wall panels of the case, and the top and bottom forming stays giving rigidity to the sides of the case formed by the plywood panels, the said top and bottom being fixed in the previously assembled side walls and corner pieces, and means for detachably fixing the top or bottom of the case comprising L-shaped metal strips fixed to each of the battens of the top or bottom of the case and extending along each batten with one flange fixed to the top of each batten and one flange being offset from the side of the batten to form a groove and such latter flange being adapted to lie when fitted outside the wall panels and fixing screws which pass through the latter flange and through the wall panel into the batten to which the L-shaped member is fixed.

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**2,121,411**
**GENERATOR FOR SOUND OSCILLATIONS FOR MEASURING DISTANCE ACCORDING TO THE ECHO PRINCIPLE**
**Carl Johan Petersen Schrøder, Holte, Denmark**
**Application May 3, 1935, Serial No. 19,747**
**In Denmark May 9, 1934**
**3 Claims. (Cl. 181—0.5)**



1. For use in a generator for sound oscillations for measuring the distance to a reflecting surface according to the echo principle, a resonance tube, a device for varying the effective length of said tube and means for periodically moving said device relatively to said tube in order to produce sound oscillations with periodically varied frequency.

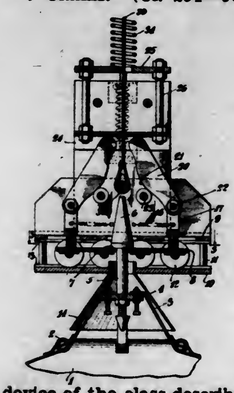
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**2,121,412**
**METHOD FOR TREATING ZINC AND PRODUCT FORMED THEREBY**
**Walter B. Schulte, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill., a corporation of Delaware**
**No Drawing. Application November 28, 1936, Serial No. 113,251**
**11 Claims. (Cl. 148—6)**

1. The method for treating zinc which comprises heating said zinc in an atmosphere comprising ammonium fluoride vapors and an oxygen-supplying reagent.

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**2,121,413**
**AUTOMATIC RELEASING DEVICE**
**James H. Strong, Trenton, N. J.**
**Application November 11, 1936, Serial No. 110,286**
**7 Claims. (Cl. 294—90)**



2. In a device of the class described, a fastener including a conical head, and a fastener element

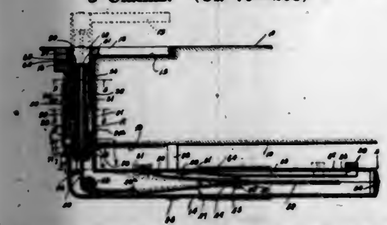
including a pair of separable plates adapted to engage beneath said head, resilient means to normally urge said plates into such engagement, cams for moving said plates out of such engagement against the action of the springs and means for operating the cams.

2,121,414

## AUTOMOBILE DOOR HANDLE AND LOCK MECHANISM

James Summers, Atlanta, Ga.

Application December 17, 1936, Serial No. 116,432
3 Claims. (Cl. 70—208)



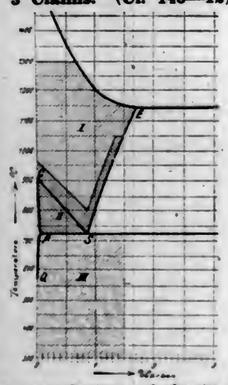
1. Latch mechanism for doors, including a latch bolt carried by a door, a handle at each side of the door for operating the latch bolt, the handle at the outer side of the door being movable into a recess in the door to be rendered inaccessible, means carried by the handle at the inner side of the door for controlling the position of the handle at the outer side and for retracting the handle at the outer side of the door into said recess, the inner handle being of tubular formation, the outer handle being normally spring pressed outwardly, a tensioned catch slidable in the tubular handle and operatively connected with the outer handle, a stop on the tubular handle for the catch and a manually operable slide in the tubular handle for releasing the catch for automatic projection of the outer handle.

2,121,415

## PROCESS FOR THE MANUFACTURE OF SHEETS, BANDS, TUBES, RODS, AND THE LIKE, AND IN PARTICULAR WIRE

Adolf vom Braucke, Berge, Germany

Application September 6, 1935, Serial No. 39,496
In Germany September 7, 1934
3 Claims. (Cl. 148—12)



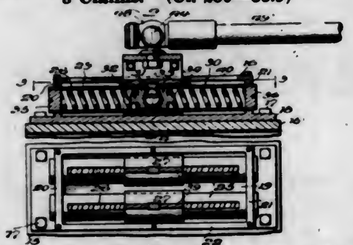
1. In the manufacture of sheets, bands, tubes, rods, wire and the like by cold working of iron or steel alloys, the step of treating the material preparatory to its cold working, for the purpose of providing it with a coarse-grained structure, which step comprises rapidly heating the material to a temperature depending upon its carbon content and lying within zone I (800° to 1300° C.), quenching the material to a temperature within zone II (720° to 1050° C.), holding the material at said latter temperature for such time as is required to attain a temperature within zone II, and quenching said cooled material to a temperature within zone III (0° to 720° C.).

2,121,416

## CUSHIONED COUPLING FOR TRAILERS

Albert G. White, Asheville, N. C.

Application December 8, 1936, Serial No. 114,816
8 Claims. (Cl. 280—33.9)



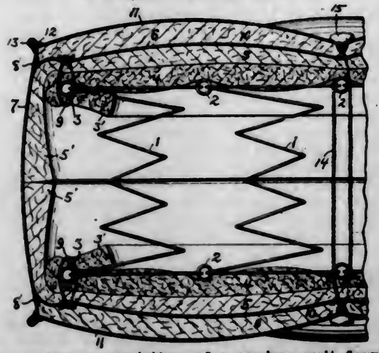
3. A trailer hitch comprising a housing, means for securing said housing to a trailer body, guide means carried by said housing, slide means engaging said guide means, yieldable means carried by said guide means engaging said slide means and yieldably resisting movement of said slide means on said guide means, means for tensioning said yieldable means, and a coupling means carried by said slide means, said coupling means including means slidably engaging said housing.

2,121,417

## MATTRESS

Erwin J. Wolf, Fort Wayne, Ind.

Application June 7, 1937, Serial No. 146,782
1 Claim. (Cl. 5—351)



A mattress consisting of a spring unit formed of a group of connected springs and provided with surrounding border wires at the top and bottom thereof, base strata of filling material disposed upon the top and bottom of said unit, the marginal edges of each stratum being folded back so as to envelope the corresponding wires, inner strata of padding disposed upon the outer faces of said base strata, the marginal edges of which overhang the folded edges of the base strata, inner coverings disposed over said inner padding strata, a boxing strip encompassing said unit and the overhanging edges of said inner padding strata, the edges of said inner coverings being stitched in connection with said boxing strip, whereby the spring unit, base and inner padding strata are completely encased thereby, loops applied through said inner coverings and adjacent strata encompassing the back-folded margins of said base strata and corresponding wires enveloped thereby, outer strata of padding disposed over said inner coverings, and outer coverings extending over said outer padding strata, the edges of said outer covering and the corresponding edges of said boxing strip being secured together.

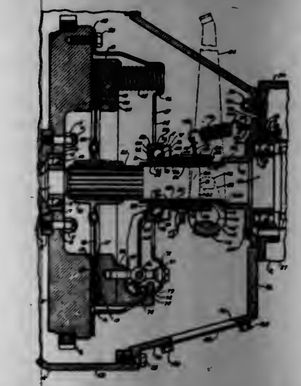


2,121,418

## CLUTCH BEARING MECHANISM

Thomas Barish, Jamestown, N. Y., assignor to Marlin-Rockwell Corporation, Jamestown, N. Y., a corporation

Application December 13, 1935, Serial No. 54,208
15 Claims. (Cl. 192—110)



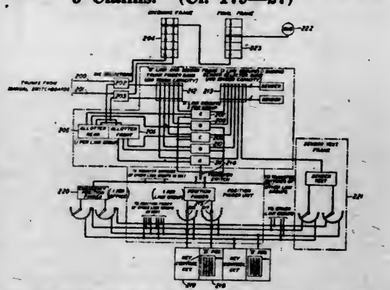
1. In a bearing mechanism, the combination of a sleeve member slidably mounted and provided with a raceway extending circumferentially thereabout, said sleeve member being provided with a groove extending circumferentially thereabout, said sleeve member being further provided with an annular chamber, an outer race member provided with an annular raceway, members rollably mounted between and engaging the raceways of said sleeve and said outer race members, a housing member mounted on said outer race member and surrounding said sleeve member, a second housing member provided with a bore engaging said sleeve member, said second housing member being provided with a flange portion tightly engaging said groove of said sleeve member, said second housing being provided with a shouldered portion for engaging an end of said sleeve member, said second housing being fixedly secured to said sleeve member to form an integral portion of the bearing mechanism, said second housing member being provided with oppositely disposed boss portions to facilitate operative engagement therewith, said second housing being provided with a lug formed by displacing a portion of the side wall of said second housing and adapted to connect with means adapted to slidably move the bearing mechanism, and a lubricant connection member mounted in said sleeve member and extending through said second housing member, said lubricant connection being connected with said annular chamber of said sleeve member.

2,121,419

## CALL DISTRIBUTING TELEPHONE SYSTEM

Foster B. Blake, Mountain View, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 27, 1937, Serial No. 155,873
5 Claims. (Cl. 179—27)



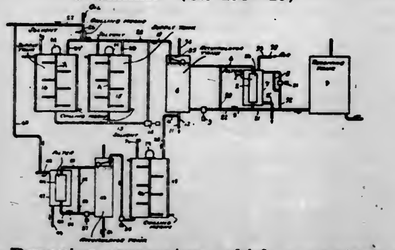
1. In a telephone system, a plurality of groups of link circuits, a position finder individual to each group of link circuits, a lesser plurality of operators' positions, means responsive to the seizure of a link circuit to associate said link circuit with an operator's position by means of the position finder of the corresponding group, means responsive to the overlapping seizure of a second link circuit in said group to prevent the release of said position, and means effective if a group of link circuits is not connected with an operator's position within a predetermined length of time to forcibly release an operator's position.

2,121,420

## APPARATUS FOR DEWAXING OILS

Robert E. Burk and Everett C. Hughes, Cleveland, Ohio, assignors to The Standard Oil Company (Ohio), Cleveland, Ohio, a corporation of Ohio

Application July 1, 1935, Serial No. 29,254
5 Claims. (Cl. 196—19)



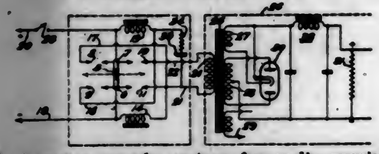
4. Dewaxing apparatus, which comprises a stationary channel member with unobstructed lumen and a porous wall, an accumulator tank, upper and lower connections between said accumulator tank and said channel member for circulating oil through said channel member and said accumulator tank, means communicating to the accumulator tank for chilling the oil, another tank for washing accumulated wax, a connection from said accumulator tank to said washing tank, a housing spaced about said channel member, and a connection from said accumulator tank to said washing means, a connection for withdrawing liquid from said housing.

2,121,421

## VIBRATOR POWER SUPPLY SYSTEM

Alexander D. Burt, Narberth, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application June 16, 1936, Serial No. 85,525
8 Claims. (Cl. 171—97)



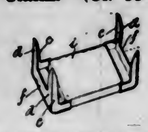
8. A power supply system for radio receiving apparatus and the like comprising, in combination, a power transformer having a primary winding adapted to be energized from a low voltage source of power, positive and negative power supply leads connected with said primary winding, a vibrator motor winding connected serially in circuit between each of said leads and said primary winding, an armature adapted to be actuated by the energizing of said motor windings, a pair of insulated contacts carried by said armature and connected each with one of said supply leads, a pair of contacts connected each with one of said motor windings and arranged in operative relation to said armature contacts to short circuit said motor windings in the attracted position of the armature and to apply the full operating energy from said supply leads to said primary winding in the opposite direction from the attracted position, and a second pair of contacts connected with said motor windings and arranged in operative relation to said armature contacts to energize the said motor and primary windings in parallel upon return movement of the armature from the attracted position, and the direction of energy flow through the primary winding being reversed.

2,121,422

## ATTACHMENT OF FASTENINGS AND FITTINGS TO SUITCASES AND THE LIKE

Charles William Cheney, Soho, Birmingham, England

Application December 7, 1937, Serial No. 178,456
In Great Britain May 12, 1936
1 Claim. (Cl. 85—11)



In fastenings and fittings for suit cases, trunks, travelling bags and the like, a substantially flat plate of rectangular shape, a boundary flange on said plate, and corner prongs, each comprising two substantially triangular wings integral with adjoining sides of said flange, respectively, and being folded upon one another to constitute prongs of double thickness from point to base, the latter merging into said flange in a curve providing resistance against bending stresses.

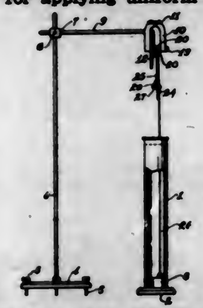
2,121,423

## TESTING DEVICE FOR WETTING AGENTS

Iver M. Colbeth, East Orange, N. J., assignor to The Baker Caster Oil Company, New York, N. Y., a corporation of New Jersey

Application December 23, 1935, Serial No. 55,694
2 Claims. (Cl. 73—51)

1. In a device for testing wetting agents, a liquid container, means for holding one end of a sample of textile material with which the wetting agent is to be tested in a fixed position in said container, means comprising a roller and an endless flexible member passing at least once around said roller for applying uniform tension to said



sample while it is being wetted and means comprising a pointer associated with said roller and extending on opposite sides of the axis of said roller to indicate progressive change of length of said sample as it becomes wetted.

2,121,424

## LIQUID MEASURING AND DISPENSING DEVICE

Walter M. Colombo, Springfield, N. J.

Application September 3, 1937, Serial No. 162,268
7 Claims. (Cl. 221—147)



1. In a device of the class described, a one-piece receptacle adapted to be connected with a container, said receptacle affording primary and secondary compartments in communication; a filler conduit arranged coaxially with said receptacle and adapted to connect said primary compartment with said container, said filler conduit extending into said primary compartment to a point approximately midway of its length; a discharge conduit having one end connected with said secondary compartment at one side of the axis of said filler conduit and its other end emerging from said receptacle in substantial alignment with the axis of said filler conduit; and vent means permitting alternate filling and emptying of said compartments.

2,121,425

## COTTER PIN

George T. Cooke, Norwalk, Conn., assignor to American Railway Products Co., Inc., Darien, Conn., a corporation of New York

Application September 27, 1937, Serial No. 165,240
20 Claims. (Cl. 85—8.5)

20. A cotter pin retainer comprising a cotter pin having a head and having a set of arms insertable in a hole in a body; a retainer member between said arms; means on said member for frictionally gripping said cotter pin and for ar-



resting longitudinal movement of said member in said body; means on said member for spreading said arms; and means for locking said member relative to said body.

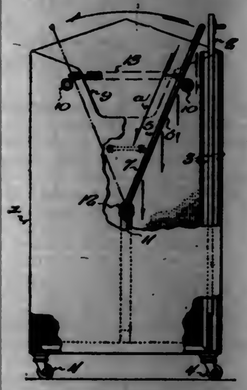


2,121,426

## MOP CLEANER

Christmas O. Dickinson, Los Angeles, Calif., assignor to Acme Chemical Company, Milwaukee, Wis., a corporation of Wisconsin

Application February 8, 1937, Serial No. 124,722
5 Claims. (Cl. 15—142)



3. A mop cleaner comprising a receptacle provided with a cut-out portion in its side wall, and a swinging screen mounted within said receptacle for selective inclined positions at opposite sides of said cut-out portion and at right-angles to the plane of the same.

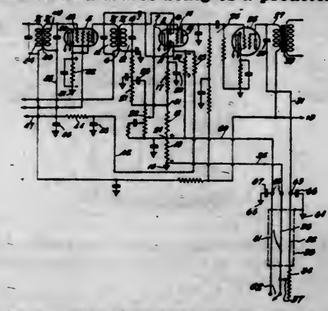
2,121,427

## SENSITIVITY CONTROL SYSTEM FOR AUTOMOBILE RADIO RECEIVERS

Lester T. Fowler, Oakiyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 30, 1937, Serial No. 140,964
10 Claims. (Cl. 250—20)

1. The combination with an automobile radio receiving system having automatic volume control means, of an extensible sensitivity control circuit for said system comprising a chassis ground lead and a ground return lead for said automatic volume control means, means providing a controllable connection between said leads at a point remote from said receiving system to control the sensitivity between predetermined limits, and means providing a source of potential between said leads in circuit with said automatic volume control means and in opposition to the biasing potential provided by said automatic volume control means in response to signals, the potential of said source being of a predetermined



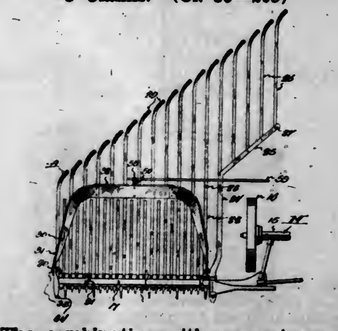
value determining the range of sensitivity control effective at said remote control point.

2,121,428

## ATTACHMENT FOR MOWING MACHINES

William Gaterman, Manitowoc, Wis.

Application April 8, 1937, Serial No. 135,715
8 Claims. (Cl. 56—205)



1. The combination with a mowing machine having a finger-bar, of a windrowing attachment therefor including a plurality of spaced parallel slats extending in rear of the finger-bar, said slats progressively increasing in length toward the inner end of the finger-bar and having upwardly and laterally curved guide portions on their rear ends, at least a portion of said slats being movable in a horizontal plane, and auxiliary slats rockably mounted between the first mentioned slats for movement both in a horizontal and in a vertical plane.

2,121,429

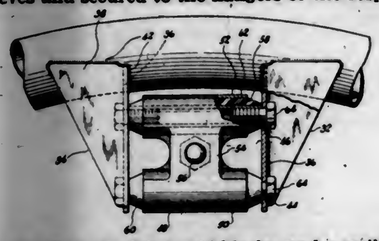
## RESILIENT ENGINE MOUNT

Serge Gluhareff, Stratford, Conn., assignor, by mesne assignments, to United Aircraft Corporation, a corporation of Delaware

Application May 21, 1935, Serial No. 22,507
9 Claims. (Cl. 248—5)

1. A resilient mounting for supporting an engine having mounting pads thereon on a frame having an engine mounting ring comprising, pairs of hangers adapted to be secured in spaced parallel relation on said ring to form engine mounting brackets, mounting blocks each comprising a forging provided with a pair of spaced parallel sleeves and a centrally located aperture extending therethrough to receive a bolt for securing said mounting block to one of said mounting

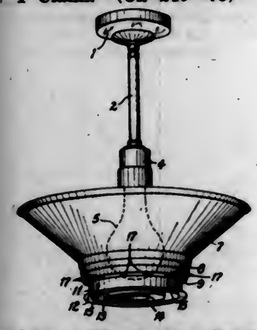
pads, a member extending through each of said sleeves and secured to the hangers of the respec-



tive brackets receiving said blocks, and a resilient bushing in each of said sleeves surrounding the respective member.

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**2,121,430**
**FIXTURE**
**Edwin F. Guth, Webster Groves, Mo.**
**Application May 22, 1936, Serial No. 81,262**
**1 Claim. (Cl. 240—78)**

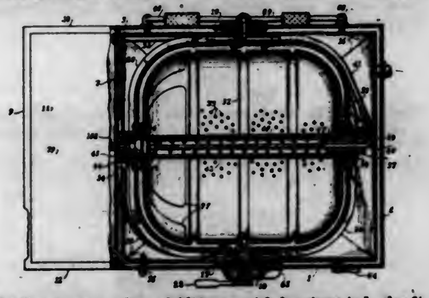


In an electrical illuminating fixture, a light source, a reflecting bowl surrounding said light source and adapted to provide for indirect illumination, and louvre means at the base of said bowl, said louvre means being adapted to provide for direct illumination from said light source, said louvre means comprising a series of concentric figures formed of sheet-like material, and light ports at the base of said bowl providing for exterior illumination of the outermost louvre, said outermost louvre being provided with an outwardly extending flange adapted to reflect light from the light ports to illuminate the under surface of said bowl.

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**2,121,431**
**WASHING MACHINE**
**Karl P. Hamm, New York, N. Y.**
**Application February 19, 1935, Serial No. 7,162**
**3 Claims. (Cl. 68—18)**

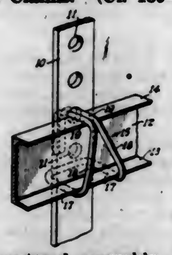
1. In a washing machine, a casing having a substantially bowl-shaped reservoir mounted therein, said casing having oppositely disposed bearings mounted thereon on a horizontal axis extending from the front to the rear of said casing, a rigid frame having oppositely disposed trunnions rotatable in said bearings, said frame being normally upright and of substantially greater depth than the depth of said reservoir and normally having the upper portion thereof projecting above the mouth of said reservoir and the lower portion contained within said reservoir, a tumbler rotatably mounted within said frame and being girted by said frame, said tumbler also being normally upright in said reservoir and having an axial shaft extending therethrough at right angles to said horizontal axis of said casing bearings in the same plane as said frame, said frame having oppositely disposed bearings supporting said shaft, a gear mounted at one end of said shaft for rotating said tumbler, means for rotating said gear, means for tilting said frame and tumbler through a 90 degree arc from the upright to the horizontal position, a horizontal shaft lying in the same plane as and at right angles to said bearing axis, interlocking means partly on the end of each of said shafts adapted to releasably interlock said



shafts, means for shifting said horizontal shaft end into or out of engagement with said axial shaft end after said frame and tumbler have been tilted to horizontal position, means for oscillating said horizontal shaft to oscillate said tumbler in horizontal position, said tumbler shaft being hollow and perforated, a perforated tube axially mounted within and spaced from said hollow shaft, one end of said hollow shaft and tube being closed, a cap surmounting the other end thereof and mounted on said frame, said cap having a water inlet pipe joined to said tube, said cap enclosing an air chamber opening into said hollow shaft about said pipe and having a hot air inlet thereinto.

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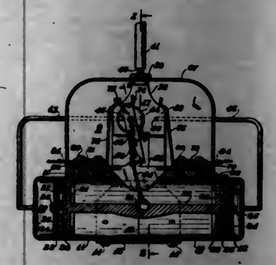
**2,121,432**
**STRUCTURAL ASSEMBLY**
**Victor Jacobsen, New Rochelle, N. Y., assignor to Jacobsen & Company, Inc., New York, N. Y., a corporation of New York**
**Application March 1, 1937, Serial No. 128,323**
**2 Claims. (Cl. 189—35)**



1. In a structural assembly, a flat hanger, a structural member laid against the hanger, a wire clip having a central portion looped around the hanger, forwardly extending portions and upwardly extending portions embracing the structural member, and end portions passed through an aperture in the hanger and turned down towards the loop portion.



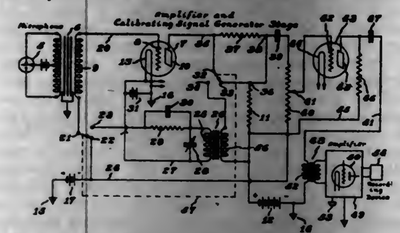
**2,121,433**
**PISTON ACTUATED SWITCH**
**Elmer F. Kettunen, Windsor, Ohio**
**Application July 11, 1935, Serial No. 30,867**
**4 Claims. (Cl. 200—82)**



1. In combination, a cylinder having an opening, a foreshortened piston having two heads mounted in the cylinder, thereby making a piston pressure chamber on opposite ends of the piston, a longitudinal member for connecting the two piston heads together, a toggle actuated switch assembly having a saddle, a quick acting switch arm pivotally mounted on the saddle, and an oscillatory member for actuating the quick acting switch arm, means for mounting the saddle upon the cylinder and having a portion extend inside the cylinder through the said opening, means for actuating the oscillatory member by the said longitudinal member, thereby actuating the quick acting switch arm in accordance with the movements of the piston, a valve for controlling the pressure in the piston chambers, and means for actuating the valve by the quick acting arm.

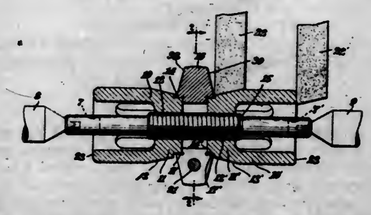
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**2,121,434**
**AMPLIFIER WITH OSCILLATION PRODUCING ADJUSTMENT**
**Milford S. Klinedinst, Philadelphia, Pa., Olin B. Gunby, Merchantville, N. J., and Herbert Belar, Philadelphia, Pa., assignors to Radio Corporation of America, a corporation of Delaware**
**Application March 18, 1936, Serial No. 69,468**
**7 Claims. (Cl. 250—36)**



6. A self calibrating electric discharge audio frequency amplifier comprising, in combination, an amplifier portion having means for controlling the operation thereof whereby said portion may be calibrated, and means in said amplifier providing a preceding amplifier stage having a connection for operation as an audio frequency oscillator, means for tuning said last named stage to produce oscillations of a pre-determined audio frequency, and means for reducing the output therefrom to a pre-determined adjusted value in response to the adjustment for oscillator operation.

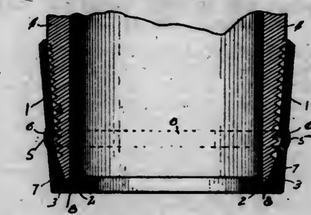
**2,121,435**
**METHOD OF MANUFACTURING THREADING DIES**
**Oscar E. Kochler, Greenfield, Mass., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass., a corporation of Massachusetts**
**Application September 11, 1936, Serial No. 100,228**
**3 Claims. (Cl. 76—101)**



1. The method of making a prong die which comprises cutting the teeth on the prongs of a die blank before hardening, then heat-treating the die blank to harden it, then clamping said teeth on an arbor, and grinding the die seat and bevel while on said arbor.

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**2,121,436**
**THREAD PROTECTOR**
**Leroy H. Lytle, Alliance, Ohio**
**Application February 25, 1937, Serial No. 127,698**
**2 Claims. (Cl. 138—96)**



1. A thread protector formed of resilient material and adapted to cover the threaded inner end of a coupling, a ridge portion formed at its inner end adapted to secure a metallic cup shaped casing that may be inserted therein, together with a U-shaped end section designed to fit snugly over the end of a coupling forming a protective covering and suitable flat faced testing gasket.

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**2,121,437**
**PROCESS OF MAKING ASPHALT**
**Elliott B. McConnell, Shaker Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio**
**No Drawing. Application February 12, 1937, Serial No. 125,428**
**9 Claims. (Cl. 196—74)**

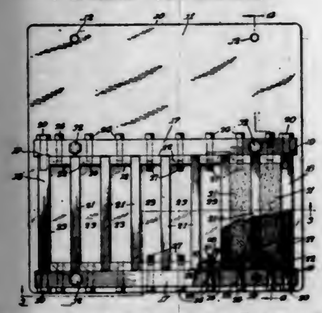
1. A process of making asphalt, which comprises heating and agitating petroleum residuum, at a temperature of 400–550° F., in exposure to a gaseous medium providing oxygen, while transmitting with said gaseous medium into contact with the petroleum residuum a small amount of a catalyst containing an acid-forming element selected from the group consisting of selenosulphide, thionyl perchloride, sulphuric oxyfluoride, phosphorus oxychloride, phosphorus oxyfluoride, phosphorus thiofluoride, and silico-fluoroform.

2,121,438
**DEVICE FOR THE SHARPENING OF RAZOR BLADES**
Jose Medellin T, San Luis Potosi, Mexico
Application November 28, 1936, Serial No. 113,119
In Mexico February 22, 1936
3 Claims. (Cl. 51—212)



1. A razor blade sharpener adapted to support a thin cover and comprising a transversely arcuate uninterrupted strip of thin metal having its concave side constructed and arranged as a blade sharpening surface, said surface being a continuous segmental concavo-cylindrical surface, a flat cover plate of thin metal adapted to engage the longitudinal edges of said arcuate strip, and a pair of headed prongs projecting from the plate in spaced relation on the longitudinal median line of the plate, said strip having spaced openings on its median line to receive and releasably hold said prongs whereby to hold the plate and strip together.

2,121,439
**MOLD**
Carl A. Menzel, Homewood, Ill.
Application July 16, 1937, Serial No. 153,976
7 Claims. (Cl. 25—121)



1. In a mold, means defining a mold cavity having an end wall, an end block having a single transverse opening extending entirely through it, and means setting through the end wall and partially through the opening in the end block to mount the end block in the cavity adjacent the end wall, the remainder of the opening being adapted to receive a stud which extends from the end block into the mold cavity, whereby the stud is adapted to become secured in a casting formed in said cavity and whereby the casting and attached end block may be detached from the means defining the mold cavity and the end block may thereupon be detached from the casting and stud.

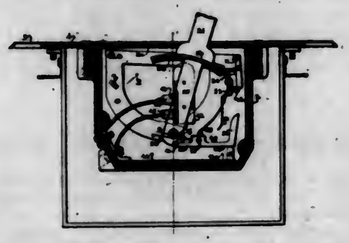
2,121,440
**KEY RING HOOK**
William N. Morrison, Los Angeles, Calif.
Application October 4, 1937, Serial No. 167,165
5 Claims. (Cl. 24—3)

1. A key ring hook comprising front and rear walls connected at their upper ends, a hook projecting upwardly from the lower portion of the front wall, a secondary rear wall projecting upwardly from the lower portion of the first mentioned rear wall, prongs projecting forwardly from the upper portions of the side edges of said



secondary rear wall, there being a slot formed in the upper portion of said secondary rear wall, a lever fulcrumed in said slot and a plate carried by the lower end of said lever and positioned between said rear wall and said secondary rear wall.

2,121,441
**CIRCUIT BREAKER**
Kenneth R. Nisbet, Washington, D. C.
Application November 21, 1936, Serial No. 112,151
11 Claims. (Cl. 200—116)



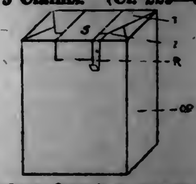
2. In a device of the class described in combination, a means responsive to a predetermined circuit condition for interrupting a circuit and manually operable to either close or interrupt said circuit, consisting of an insulating housing; a movable supporting frame; an operating element; a switch element; a releasable latch element for connecting the said operating element to the said switch element thru the closing cycle; a fixed means for tripping said latch element, the said means being fixed to said housing; a biasing means for each of,—the said frame, the said operating element, the said switch element, the said latch element; a releasable latch-lever element for locking said operating element and said switch element in a closed position; a biasing means for said latch-lever element; the said latch-lever element being pivoted and releasable by a means fixed to said housing to rotate said element about its axis in the manual opening operation and by a thermal element in the automatic operation, said latch-lever element having two projections, one on either side of said axis to provide means for said rotation and still another projection arranged to intercept said latch element unless said thermal element is in its approximately normal position; said switch element having a plurality of contacts mounted thereon.



2,121,442
**PROCESS OF MANUFACTURING CULTURE**
Frederic W. Nordsiek, New York, N. Y., assignor, by mesne assignments, to The Sanoderm Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Original application August 4, 1934, Serial No. 738,427. Divided and this application August 5, 1937, Serial No. 157,521
8 Claims. (Cl. 99—59)

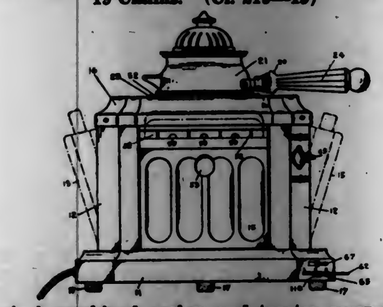
1. The process of preparing a mixed culture comprising habituating a culture of *Lactobacillus acidophilus* to 40° C. until it coagulates sterile milk in seven hours with 5% inoculation forming no unpleasant taste, odor or consistency, transferring the culture to a tube of sterile milk, separately habituating a culture of *Streptococcus thermophilus* to 40° C. until it produces no unpleasant flavor or odor, the two cultures being adapted to grow satisfactorily in equilibrium, combining the two cultures in sterile milk, incubating at 40° C., transferring to sterile milk, incubating at 40° C. and maintaining the mixed culture at low temperature.

2,121,443
**TEARING MEANS FOR WRAPPERS OF CELLOPHANE AND THE LIKE**
Bruno Olsson, St. George, N. Y.
Application November 9, 1937, Serial No. 173,553
5 Claims. (Cl. 229—51)



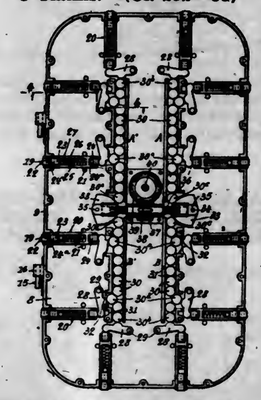
1. In window forming means for packages comprising an inner folded wrapper and an outer transparent cellulosic covering sheet, a tearing strip folded in rectangular formation to bound a corresponding portion at the inside of the upper folded laps of the inner wrapper, an end of the strip being projected outwardly from the package and an outermost wrapping sheet of transparent cellulosic material having an area cut away to form a window adjacent said rectangular formation of the strip, and a covering cap for said window.

2,121,444
**ELECTRIC COOKER AND TOASTER**
Adolph L. Orow, New York, N. Y.
Application March 19, 1936, Serial No. 69,621
19 Claims. (Cl. 219—19)



4. A combined cooker and toaster comprising a body, a shell extending vertically in said body for the full length of the latter and defining a chamber open at its upper and lower ends, an electrically heated grill adjustable vertically in said shell, and electric toasters carried by said body about the shell and serving as auxiliary heaters for the shell.

2,121,445
**CONTROL MECHANISM**
Lucien Louis Joseph Prompt, Colombes, France
Application December 29, 1936, Serial No. 118,172
In France January 7, 1936
5 Claims. (Cl. 292—33)

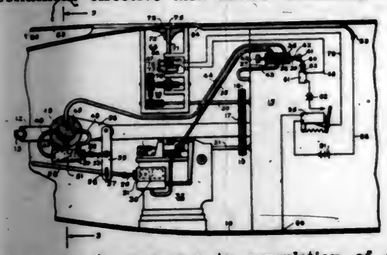


1. In combination, operating means, a plurality of movable elements adapted to be moved against a resistance, main guiding means having one end against said operating means, for each of said elements auxiliary guiding means communicating at one end with said main guiding means and extending at the other end opposite said corresponding element, in each auxiliary guiding means a rolling member adapted to slide both longitudinally and transversely in said auxiliary guiding means and to operate the corresponding element when sliding longitudinally, in the main guiding means and opposite each auxiliary guiding means, two rolling members in contact with said rolling member in said auxiliary guiding means on either side of said last mentioned rolling member and a rolling member in contact with said operating means, spacing means in said main guiding means adapted to maintain an invariable distance in said main guiding means between the different groups of two rolling members corresponding to said auxiliary guiding means and to maintain an invariable distance between said operating means and the group of two rollers in said main guiding means which is the nearest said operating means, whereby said elements are adapted to be moved by said operating means and to receive different relative displacements with respect to each other.

2,121,446
**TORPEDO**
Ellison S. Purington, Gloucester, Mass., assignor to John Hays Hammond, Jr., Gloucester, Mass.
Application April 6, 1936, Serial No. 72,915
10 Claims. (Cl. 114—21)

1. In combination with a torpedo, steering means for controlling the course thereof, a trailing wire insulated from the surrounding water,

redirecting mechanism for altering the course of said torpedo, means to render said steering means ineffective and to render said redirecting mechanism effective and means actuating said



last means in response to completion of the circuit to said trailing wire through the surrounding water when the insulation is disrupted by contact with the hull of a target ship.

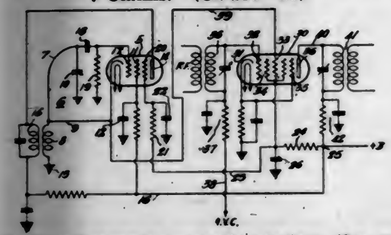
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2,121,447

**OSCILLATOR STABILIZING CIRCUIT**

John D. Reid, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application November 28, 1936, Serial No. 113,117
7 Claims. (Cl. 250—20)



1. In a frequency converter system, the combination of an oscillator tube having a suppressor grid, a converter tube having a screen grid, a resistor, and means for supplying positive operating potential to said grids in parallel through said resistor as a common series potential drop producing circuit element, whereby the potential drop in said resistor controls the potential on the suppressor grid in accordance with variations in the screen grid current to said converter tube.

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2,121,448

**HARD METAL COMPOSITION**

Günther Ritzau, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application October 5, 1936, Serial No. 104,029
In Germany February 14, 1936
7 Claims. (Cl. 75—136)



1. The process of producing a material for tools, dies, hard machine parts and the like which comprises preparing a finely divided mixture of 91 to 94% tungsten carbide, 5 to 7% cobalt, 0.3 to 1% tungsten and 0.5 to 2% chromium, pressing said mixture to a shaped body, sintering said body, and adding a further amount of 0.05 to 0.2% carbon during one of the aforesaid steps of the process.

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2,121,449

**2-AMINO-8-HYDROXY-QUINOLINE AND ITS SALTS AND PROCESSES FOR PRODUCING THE SAME**

Herman J. Schneiderwirth, Laurelton, N. Y.

No Drawing. Application March 18, 1936, Serial No. 69,529
1 Claim. (Cl. 260—38)

2-amino-8-hydroxy-quinoline.

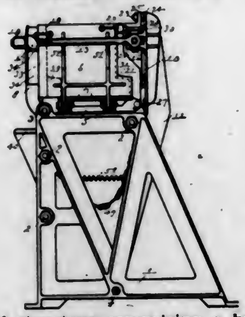
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2,121,450

**MOLD STRUCTURE**

Johannes T. Sentrop, Wyoming Township, Kent County, Mich.

Application February 28, 1936, Serial No. 66,188
12 Claims. (Cl. 25—41)



1. A mold structure comprising a base and a mold supported thereby having a bottom, a pair of opposite side mold walls pivotally connected with the bottom for swinging movement to and from operative closed position and a second pair of opposite side walls one of which being a mold wall is pivotally connected with the bottom, the other one of said second pair being pivotally connected with the base independently of the other walls for swinging movements respectively to and from operative closed position, and releasable means for holding said walls in their operative closed position.

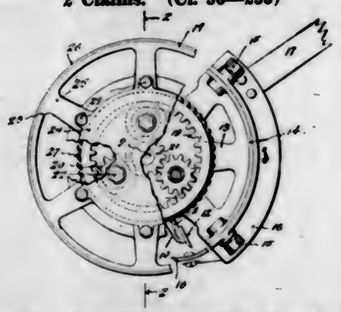
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2,121,451

**LAWN MOWER**

George M. Smith, Milwaukee, Wis.

Application April 29, 1937, Serial No. 139,763
2 Claims. (Cl. 56—253)



1. In a lawn-mower, an end plate of a cup-shape having its inner periphery provided with an annular gear, a ground traction wheel having its hub of a cup-shape and receiving the end plate, a rotatable cutter shaft extending into



the plate, a drive pinion on the cutter shaft, and a plurality of equidistantly spaced planetary gears rotatably carried by the hub, meshing with the teeth of the annular gear and the teeth of the drive pinion, said planetary gears and the drive pinion being housed entirely within the cup-shaped end plate and the cup-shaped hub.

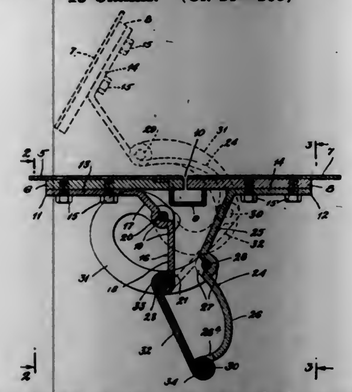
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2,121,452

**HINGE**

Joseph Soss, Roselle, N. J.

Application January 18, 1937, Serial No. 121,057
15 Claims. (Cl. 16—163)



5. A hinge of the class described comprising two sheet metal butts, each butt having an attaching plate portion and an offset arm integral with one end thereof, the arm of one butt being shorter than the arm of the second named butt, two hinge links for coupling the arms of said butts to control the swinging movement thereof, one with respect to the other, the ends of one of said links being pivotally coupled to the ends of said arms, and the ends of the other of said links being pivotally coupled with said arms inwardly of said ends thereof.

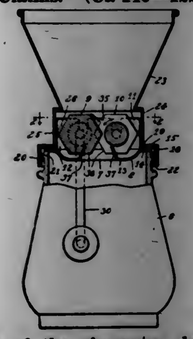
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2,121,453

**KITCHEN UTENSIL**

Carl A. Sundstrand, Rockford, Ill.

Application January 22, 1937, Serial No. 121,804
8 Claims. (Cl. 146—122)



4. A device of the character described comprising a frame member having a substantially rectangular housing portion open at top and bottom, two opposed walls of which have correspondingly spaced slots provided therein extending downwardly from the top thereof, a pair of cutters rotatably mounted in side by side relation in said housing portion, one related pair of slots having the lower ends thereof extended away from the other slots to provide offset bearings, axles on opposite ends of one cutter rotatably received in said offset bearings, means connected with one of said axles for turning the cutter, the other slots being straight and the lower ends of said slots providing bearings, axles on the opposite ends of the other cutter rotatably received in said last named bearings, intermeshing gears on said cutters for turning the idler cutter in the opposite direction from the driven cutter, a hopper to receive material to be cut by said cutters, and a cover for the housing portion on the bottom of said hopper having two opposed walls wherein parallel slots are provided to receive the axles aforesaid, the one related pair of last named slots being disposed crosswise relative to the offset ends of the first named slots.

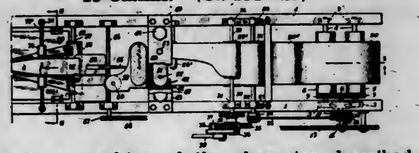
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2,121,454

**MACHINE FOR MAKING SANITARY PADS**

Oliver E. Teall, Utica, N. Y., assignor to The Sterilek Company, Brooklyn, N. Y., a corporation of New York

Application November 13, 1933, Serial No. 697,758
15 Claims. (Cl. 154—29)



1. In a machine of the character described, means for continuously rotating a roll of filler-strip, means for feeding the strip intermittently from a loop produced by said continuous feeding means, and a cutter reciprocatory to sever successive filler pieces at the end thereof, a pivoted carrier movable horizontally and adapted to turn the filler pieces successively to a position parallel with the line of feed of a gauze wrapping material, means for continuously feeding the gauze wrapping material, means for wrapping the material over upon the filler pieces received thereon in spaced relationship, means for severing the gauze wrapper intermediate two filler pieces, and means for folding the ends of the gauze wrapper over upon the enclosed filler piece, and means for stacking the pads thus completed.

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2,121,455

**UNIVERSAL COUPLING**

Alexander Petrus Antonius ten Broek, Kediri, Java, Dutch East Indies

Application April 16, 1936, Serial No. 74,727
In the Netherlands April 17, 1935
5 Claims. (Cl. 64—7)

1. In a universal coupling comprising two ball surfaces adapted to be connected with the elements to be coupled and arranged one within the other so that relative freedom of movement in the direction of rotation of one of said elements is prevented, a divided ball cup enclosing the inner ball surface and including means constituting part of the outer ball surface, a pair of flat rings surrounding said inner ball surface so as to constitute other parts of said outer ball surface and provided with registering grooves providing diametrically opposed bores extending radially of said inner ball surface, said cup hav-

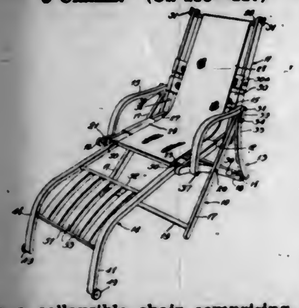
ing recesses receiving said rings, said inner ball surface having a diametrical slot therein and a torque transmitting element including a portion



fitted movably within said diametrical slot and trunnions extending on opposite sides of said portion and resting in said bores formed by said rings.

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2,121,456
**COLLAPSIBLE ADJUSTABLE CHAIR**
Carl A. Ternquist, Winchendon, Mass.
Application January 9, 1937, Serial No. 119,737
8 Claims. (Cl. 155—117)

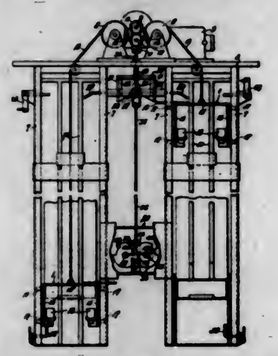


1. In a collapsible chair comprising leg, seat and backrest frames, said seat and backrest frames each having spaced side rails pivoted together at the lower end of the backrest frame, the leg frame comprising pairs of front and rear leg members pivoted together intermediate the ends thereof, said leg members being arranged outwardly of the side rails of the seat and backrest frames, means adjustably coupling the upper ends of the front leg members with the lower ends of the rear leg members, means pivoting the backrest frame to the upper ends of the front leg members, and means longitudinally of the upper end portions of said rear leg members and at the forward ends of the rails of said seat frame for movably supporting the seat frame adjusted to the different inclinations of the backrest frame.

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2,121,457
**VENDING MACHINE**
Charles V. Vanbergen, Lowfield Park, near Crawley, England
Application October 30, 1936, Serial No. 108,336
In Great Britain March 5, 1936
5 Claims. (Cl. 312—66)

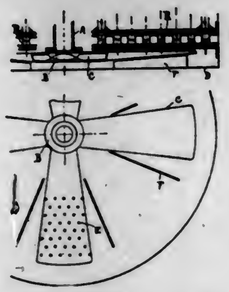
1. In a vending machine having a delivery aperture and a storage magazine for cartons or the like to be vended, a lifting device for said cartons comprising a hoist having means to successively remove the cartons from said magazine and to deliver the same to said delivery aperture, a winch connected to raise said lifting device, a gear driving said winch, a motor-operated driveshaft carrying a pivoted bracket, a pinion mounted on said bracket and driven by said shaft, said pinion being normally disengaged from



said gear and being shiftable into driving engagement with said gear by the torque produced by rotation of said shaft, and means actuated by said lifting device at the upper limit of its path of travel to disengage said pinion from said gear and to maintain said pinion in the disengaged position, whereby the driving connection is broken and the lifting device is permitted to return by gravity to its initial position.

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2,121,458
**APPARATUS AND PROCESS FOR AERATING WORT IN YEAST PRODUCTION**
Wilhelm Vogelbusch, Vienna, Austria
Application December 5, 1933, Serial No. 701,662
In Austria December 9, 1932
29 Claims. (Cl. 195—95)



7. In yeast production, a device for aerating the wort, comprising a fermenting vat adapted to contain the wort during the fermentation process, a wing-shaped hollow aerating body arranged within said vat for dipping in the wort and adapted to receive air and to deliver the same into the wort, said aerating body having a multitude of small air outlet apertures sufficiently large to permit the passage of the air therethrough as well as the passage of the wort, and mechanical means for moving said aerating body relatively to said vat so as to pass the wort along the said apertures of the body with sufficient velocity for detaching from the apertures the air bubbles formed in the wort by the air escaping from the apertures, before these bubbles have reached their grown-out size.

24. In the process of propagating yeast, the improvement which comprises introducing air into a liquid yeast nutrient medium containing yeast undergoing propagation, in the form of large bubbles, and greatly reducing the size of said bubbles in the nutrient medium by centrifuging said large bubbles with said nutrient medium.

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2,121,459
**SEPARATION OF AMYLASE AND PROTEASE**
Ernst Waldschmidt-Leitz, Prague, Czechoslovakia, and Fritz Ziegler, Wuppertal-Elberfeld, Germany, assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application August 17, 1935, Serial No. 36,650
6 Claims. (Cl. 195—66)

1. The process of increasing the ratio of amylolytic to proteolytic enzymes in a dispersion containing both enzymes which comprises preferentially adsorbing the proteases on bauxite.

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2,121,460
**WIRELESSLY OPERATED ELECTRICAL DECORATIVE LIGHT**
Harry F. Waters, New York, N. Y.
Application February 10, 1937, Serial No. 125,111
12 Claims. (Cl. 240—10)

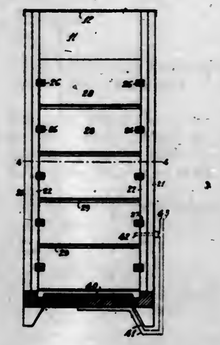


1. In a device of the character described, the combination comprising means for varying electrical energy at a high frequency rate, means for supporting a Christmas tree, means for impressing said energy on said tree, and electrical light producing means associated with said tree and adapted to emit light under the effect of such energy.

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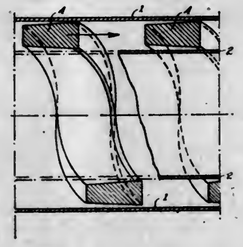
2,121,461
**SEED GERMINATING MACHINE**
Eugene A. Widmann, New York, N. Y.
Application January 28, 1937, Serial No. 122,780
11 Claims. (Cl. 47—16)

1. In a seed germinating machine, the combination, a cabinet enclosing a series of troughs placed in a vertical tier, said troughs receiving the seed and a nutrient solution to promote the seed germination, said cabinet provided with heat insulating walls and a closure made in a plurality of separate removable panels placed one above the other, an electric heating element in the bottom of said cabinet and a thermostat in said cabinet controlling said heating element.



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2,121,462
**CONVEYER SCREW**
Arthur Winterlich, Dresden, Germany
Application June 27, 1936, Serial No. 87,696
In Germany July 3, 1935
4 Claims. (Cl. 198—213)



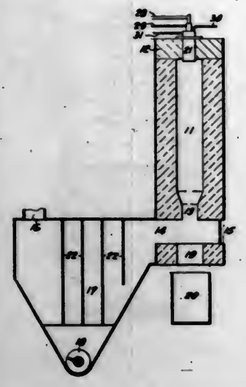
1. In apparatus of the character described, an outer casing, a core, and a helical conveyer member adapted to rotate with respect to said casing and said core, the leading portion of said conveyer being adapted to span the space between said casing and said core, and the remainder of said conveyer being spaced from said casing.

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2,121,463
**MAKING CARBON BLACK**
Stuart A. Wisdom, Shawinigan Falls, Quebec, Canada, assignor to Canadian Electro Products Company, Limited, Montreal, Quebec, Canada
Application December 14, 1931, Serial No. 581,039
In Canada August 13, 1923
8 Claims. (Cl. 134—60)

1. A process of making carbon black by cracking dissociable hydrocarbon gas which comprises heating a downwardly moving stream of the gas to at least its dissociation temperature whereby the dissociable gas is dissociated to yield carbon black, and burning products such as hydrogen

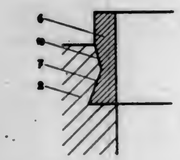
with air at a location subadjacent to that at which cracking occurs whereby the produced



black will gravitate through the hydrogen flame and be thereby cleansed.

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2,121,464
**ANNULAR VALVE SEAT**
Johann Zagorski, Vienna, Austria
Original application July 31, 1933, Serial No. 682,995. Divided and this application March 16, 1934, Serial No. 715,833
1 Claim. (Cl. 251—167)

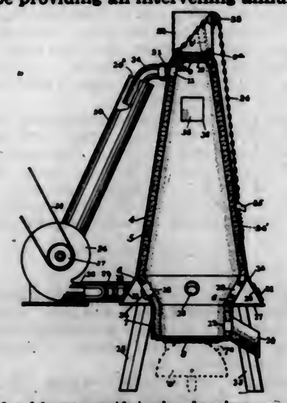


In a valve seat construction, a body having a bore, a counterbore at one end of the bore, the side wall of the counterbore having two portions disposed at an angle to each other, meeting at a line intermediate the lower wall and the upper edge of the counterbore and flaring in opposite directions from said line, and a seat ring mounted in said counterbore and having flared portions conforming to and tightly engaging the correspondingly flared portions of said side wall to form a seal and securing means between the body and the seat ring.

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2,121,465
**SMELTING FURNACE**
Charles C. Berg, Spokane, Wash., assignor to Beryl Metals Company, Inc., Spokane, Wash.
Application August 10, 1937, Serial No. 158,324
2 Claims. (Cl. 266—29)

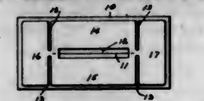
1. Smelting apparatus including, a furnace having a by-pass opening near its upper end and a plurality of tuyère openings near its lower end, a manifold enclosing the said tuyère openings having closable hand hole openings, a blower, a blower inlet pipe having an open outer end, a furnace outlet pipe having conduit connection with the said by-pass furnace opening and extended into the said outer end of the blower intake pipe providing an intervening annular open-



ing, and a blower outlet pipe having conduit connection with the said manifold.

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2,121,466
**SCALP PROTECTING PAD FOR HAIR WAVING**
Vito Geraci, Brooklyn, N. Y., assignor of one-half to Alfonso Furibondo, Brooklyn, N. Y.
Application March 30, 1937, Serial No. 133,786
5 Claims. (Cl. 132—36.1)



1. A scalp protecting pad, of the class described, comprising a sheet of water proof material having a substantially centrally located slot; two cuts provided in each side of the water proof sheet so as to form two oppositely-disposed flaps; the ends of the sheet secured to the top of a soft, heat-insulating pad having a slit aligned with the slot in the sheet; the pad adapted to rest on the scalp of the person having his hair waved; the slit in the pad adapted to have a lock of hair passed through it; and the flaps of the sheet adapted to be folded up to engage the lock of hair with their inner faces and to be engaged on their outer faces by the clamp customarily used in hair waving.

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2,121,467
**RINGLET SETTING IMPLEMENT**
Vito Geraci, Brooklyn, N. Y., assignor of one-half to Alfonso Furibondo, Brooklyn, N. Y.
Application April 28, 1937, Serial No. 139,450
3 Claims. (Cl. 132—1)

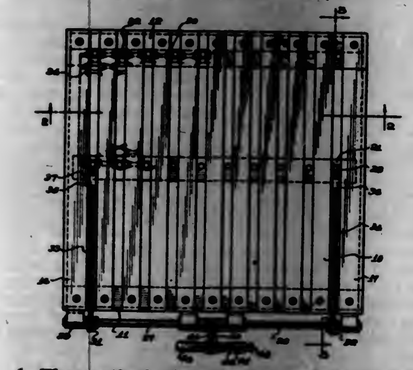


1. A ringlet setting implement comprising a single, central main prong; a pair of oppositely-disposed prongs formed at one end of the main prong and extending substantially towards its other end; another set of oppositely-disposed prongs likewise formed on the main prong some distance from the prongs on the end and extending substantially in the same direction as these prongs; one set of prongs adapted to be inserted under the ringlet, after it has been previously treated and shaped; the other set of prongs adapted to be placed on the top of the ringlet; the main prong adapted to be inserted in the hair of the person being treated to hold the whole implement in place; and all the prongs positioned in the same plane.



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2,121,468
**SIZING METHOD AND MACHINE**
Oliver E. Gibson, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application December 23, 1935, Serial No. 55,751
12 Claims. (Cl. 164—6.5)



1. The method of producing a sheet of sized flattened expanded metal, which method includes applying along opposite edges of a sheet of flattened expanded metal, transverse forces acting in the plane of said sheet, said forces being proportioned in directions, points of application and magnitudes to shape said sheet to a predetermined size.

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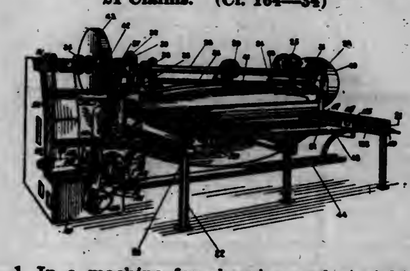
2,121,469
**SIZING AND SHEARING METHOD AND DEVICE FOR FLATTENED EXPANDED METAL**
Michael G. Vass, Maywood, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application June 17, 1936, Serial No. 85,660
Renewed May 2, 1938
10 Claims. (Cl. 164—34)



8. In a device for sizing sheets of flattened expanded metal, cooperating male and female die sections adapted to be engaged by a punch press, two spaced series of tapered pins on said male section adapted to engage cooperating recesses in said female section, said pins being adapted to engage spaced rows of diamonds of said sheet so as to change the width of said sheet as said diamonds are forced onto said tapered pins, and shear blades adjacent one row of pins adapted to shear said sheet through the center of a row of bonds adjacent one row of pins.

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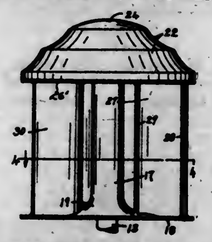
2,121,470
**MACHINE FOR MANUFACTURING SIZED SHEETS OF FLATTENED EXPANDED METAL**
Bernard T. Ballard, Warren, Ohio, William M. McNeil, Wheaton, and Ralph H. Hurd, Hinsdale, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application September 24, 1936, Serial No. 102,320
21 Claims. (Cl. 164—34)



1. In a machine for shearing and stretching flattened expanded metal, a series of fixed pins positioned adjacent cooperating shear blades, a series of movable pins in spaced, parallel relation to said fixed pins, and means for increasing the distance between said fixed and movable pins so as to stretch expanded metal on said pins as said expanded metal is sheared along one edge by said shear blades.

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2,121,471
**AGITATOR FOR WASHING MACHINES**
Jabez Curry Nelson, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application October 28, 1935, Serial No. 47,161
2 Claims. (Cl. 68—133)



1. In a washing machine, a washing vat adapted to contain a quantity of clothes and washing fluid and having an approximately normal surface level of washing fluid, an agitator mounted in said vat, means for oscillating said agitator, said agitator comprising a central axis, a base, and a plurality of columns, each of said columns being semi-circular in cross section and extending upwardly from said base, the open portions of said columns facing in the same circular direction and with the back of one column facing circularly around the base upon the open portion of an adjacent column.

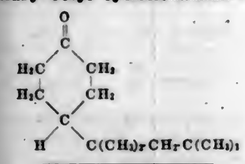
2,121,472

## OXIDATION PRODUCTS OF OCTYL CYCLOHEXANOL

Joseph B. Niederl and Richard A. Smith, New York, N. Y., assignors to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application November 11, 1937, Serial No. 174,020
2 Claims. (Cl. 260—131)

2. γ-tertiary octyl cyclohexanone—

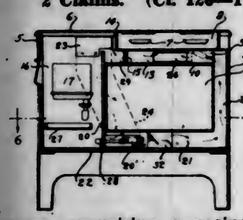


2,121,473

## RANGE

Jesse W. Barker, Geneva, N. Y.

Application May 9, 1936, Serial No. 78,924
2 Claims. (Cl. 126—1)



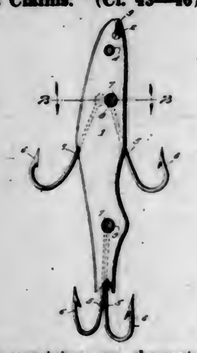
1. A range comprising a casing, a fire box therein at one end, a heater in said fire box, an oven within the casing and in contact with the fire box at one end, and having a passage across the top, a passage at one end and a passage across the bottom, said passages communicating and forming a continuous passage, the upper passage communicating with the fire box, a damper controlling the communication between the fire box and upper passage, a flue communicating with the upper end of the fire box and extending diagonally downwardly and communicating with the bottom passage adjacent the fire box at one side and the upper passage communicating with a flue approximately midway its ends.

2,121,474

## BAIT

Allan G. Bowering, Heuvelton, N. Y.

Application January 24, 1936, Serial No. 60,684
2 Claims. (Cl. 43—46)



1. A bait comprising an elongated body of a weight to bring about sinking thereof in water and shaped to represent a live bait and having its surfaces polished to a desired brilliancy, said body including companion sections extending longitudinally of the body and having grooves formed in the opposing faces thereof and opening outwardly through opposite edges and one end of the body, fishing hooks lying partially within said grooves, and fasteners extending through the sections of the body and eyes of the hooks for detachably connecting the sections together and the hooks to the body, said body having an opening and grooves communicative therewith and located adjacent one end of the body to receive a fishing line.

2,121,475

## COATING COMPOSITION

Frank W. Corkery, Clairton, Pa., assignor to Pennsylvania Industrial Chemical Corporation, a corporation of Pennsylvania

No Drawing. Application November 17, 1934, Serial No. 753,526
7 Claims. (Cl. 134—1)

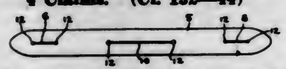
1. A temporary coating composition for the rust protection of metallic bodies consisting essentially of a resin-like compound capable of forming a hard adherent film on metallic surfaces, which compound is the reaction product of at least one hydroxy-aromatic compound of the phenolic type with at least one metal selected from amongst the group of metals consisting of and embraced between calcium and bismuth in the electromotive series, and evaporative solvent in quantity adequate to render the composition flowable; in the composition the resin-like film-forming material being readily decomposable upon subjection to mineral acids in the order of dilution in which they are present in pickling baths for steel, and the non-volatile content of the composition being substantially free of any coherent material capable of resisting decomposition upon subjection to mineral acids of that order of dilution.

2,121,476

## DEVICE FOR CURLING HAIR

Cecelia de La Barre, Minneapolis, Minn.

Application April 29, 1937, Serial No. 139,669
4 Claims. (Cl. 132—44)



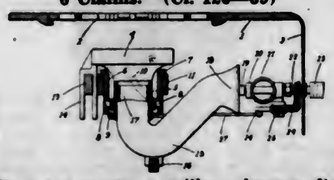
1. A hair curling device consisting of a strip of flexible material of uniform width having a slit near each end thereof substantially the same length as the width of the strip and having a longer medial slit.

2,121,477

## RANGE BURNER MOUNTING

John Dennis and James William Morgan, Chico, Calif.

Application December 14, 1937, Serial No. 179,674
6 Claims. (Cl. 126—39)



1. In a gas range, a grille, a burner disposed beneath the grille, said burner having a vertical neck, a collar surrounding the neck, means mounting the burner and collar for relative rotation, means between the neck and collar to effect vertical movement of the burner upon such relative rotation, a fuel control valve having a stem, and means connected to the stem to rotate the neck and collar relative to each other upon rotation of said stem.

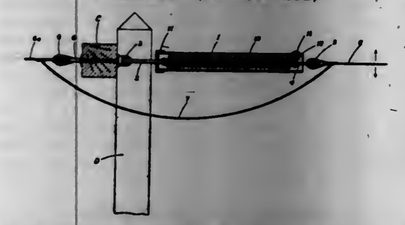


2,121,478

## MECHANICAL VIBRATOR AND EXPANSION DEVICE FOR TRANSMISSION LINES

Charles O. Dorman, Georgetown, Calif., assignor of one-half to Paul E. Hunter, Sacramento, Calif.

Application March 13, 1937, Serial No. 130,711
7 Claims. (Cl. 173—251)



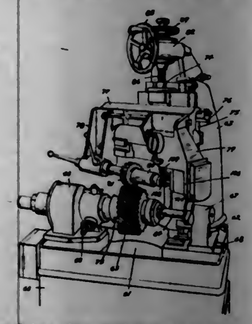
1. A protective device for transmission lines comprising an expansible element adapted to be interposed in a line, and means cooperating with said element to create a vibration in the line upon expansion of the element due to weight on the line.

2,121,479

## MACHINE FOR FINISHING GEARS

Robert S. Drummond, Detroit, Mich.

Original application April 11, 1932, Serial No. 604,575, now Patent No. 1,989,651, dated January 29, 1935. Divided and this application January 26, 1935, Serial No. 3,663. In Great Britain August 17, 1931
3 Claims. (Cl. 51—26)



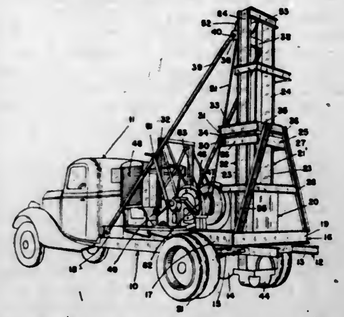
3. A machine for finishing gears comprising a frame, a horizontal arbor mounted thereon, a column extending upward from said frame and adjustable in an arcuate path concentric with a vertical axis passing through said arbor, a cross head vertically adjustable on said column, a carriage transversely slidable on said cross head, an arbor carried by said carriage, said arbors adapted to support an intermeshed gear and a gear like finishing tool, means for rotating one of said arbors, and means for providing pressure contact between meshed teeth of said gear and tool.

2,121,480

## PAVEMENT BREAKING EQUIPMENT

Charles O. Finn, Cincinnati, Ohio, assignor to Novo Engine Company, Lansing, Mich., a corporation of Michigan

Application November 19, 1936, Serial No. 111,712
12 Claims. (Cl. 262—13)



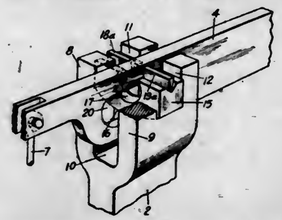
1. In pavement breaking equipment, a frame, a vertical stanchion extending upwardly from the frame and comprising aligned sections pivotally connected together to permit folding the upper section to a position wherein the height of the stanchion is reduced an amount approximating the length of the upper section, and a weight slidably engaging said stanchion.

2,121,481

## WEIGHING SCALE

William A. Flumerfelt, Columbus, Ohio, assignor to Bonded Scale Company, Columbus, Ohio, a corporation of Ohio

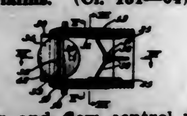
Application August 22, 1936, Serial No. 97,433
4 Claims. (Cl. 308—2)



1. In combination, a weighing beam having knife edges projecting from opposite sides thereof and disposed substantially at right angles thereto, a standard for supporting the beam, said standard having its upper end of substantially U-form so that a longitudinally extending slot is formed therein which receives the beam, the arms of said U-shaped upper end of the standard having transversely extending slots formed therein which are in alignment with each other, the bottom of each of said slots being curved, said slots being adapted to receive a knife-edge bearing, said knife-edge bearing being formed in one piece and having a notch in its upper edge so that it is substantially U-shaped, said U-shaped bearing having V-grooves formed in the upper ends thereof which are exactly in alignment with each other, the lower edge of said bearing being rounded, said bearing being disposed in the transverse slots formed in the upper end of the standard and the rounded lower edge of said bearing resting on the curved bottoms of said slots, the V-grooves

formed in the upper ends of said bearing being adapted to receive and support said knife edges which project from opposite sides of the beam.

2,121,482
**FLUID FLOW CONTROL AND SILENCER**
Joseph P. Freed, Los Angeles, Calif., assignor to Edith F. Freed, Los Angeles, Calif.
Application August 22, 1935, Serial No. 37,371
4 Claims. (Cl. 181—64)

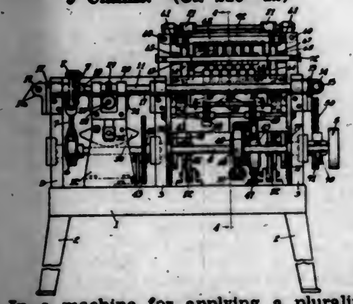


1. A silencing and flow control unit for use in the conduit adjacent the flush valve of a water closet, said unit including a tube having a sliding fit in the conduit, a four-vaned paddle-wheel baffle pivotally mounted in the tube adjacent one end thereof, the tube being provided with holes near the diameter perpendicular to and bisecting the axis of the baffle, and a three-vaned paddle-wheel baffle pivotally mounted in the tube on an axis substantially at right angles to the four-vaned baffle.

2,121,483
**PROCESS FOR THE PRODUCTION OF CIS-ANDROSTERONE**
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application April 13, 1936, Serial No. 74,224
3 Claims. (Cl. 260—131)

1. The process for the production of cis-androsterone which comprises treating trans-androsterone with a halogen compound capable of converting the 3-hydroxy group of the trans-androsterone into a 3-halogeno-group with simultaneous steric inversion, and hydrolyzing the resulting α-halogeno androsterone to cis-androsterone.

2,121,484
**APPARATUS FOR APPLYING A PLURALITY OF ARTICLES TO A BACKBOARD**
Alvin A. Massini, Wheeling, W. Va.
Application February 12, 1937, Serial No. 125,519
9 Claims. (Cl. 216—12)



9. In a machine for applying a plurality of individual articles to a backboard, comprising a mounting unit, means for conveying the articles to be mounted, means for conveying a backboard and positioning the same to have the articles deposited thereon, the mounting unit being adapted to transport the articles from the first conveying means to said backboard for deposition thereon, and means for thereafter positioning said backboard in a different position so as to adapt the latter to receive additional articles at a spaced distance from those previously deposited.

2,121,485
**AQUEOUS SOLUTIONS OF SOLUBLE HEAVY METAL SALTS OF SULPHONATED ALIPHATIC COMPOUNDS**
Walter H. McAllister and Robert A. Duncan, Wyoming, and Oscar T. Quimby, Cincinnati, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application January 13, 1933, Serial No. 651,626
6 Claims. (Cl. 260—12)

1. As a new composition adapted for cleansing and wetting of materials, an aqueous solution of a water-soluble heavy metal salt of a compound of the group of sulphonated aliphatic compounds having at least eight carbon atoms in the alkyl radical consisting of a sulphonated aliphatic hydrocarbon, a sulphonated aliphatic alcohol, a fatty acid ester of isethionic acid, and a fatty acid amide of methyl taurine, said heavy metal being one whose normal sulphate is water soluble.

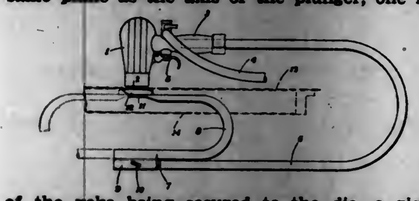
2,121,486
**HOPPER AND AGITATOR**
Glen G. Merchen, Spokane, Wash.
Application January 22, 1937, Serial No. 121,795
3 Claims. (Cl. 259—20)



1. In a structure of the character described, a hopper having an inlet at its top and an outlet at its bottom, a rocker shaft extending horizontally in said hopper and journaled through walls of the hopper, a hollow drum suspended from said shaft having heads at its ends fixed to the shaft to suspend the drum from the shaft, elongated teeth extending outwardly from said drum towards walls of the hopper and terminating adjacent walls of the hopper, a removable cover for said drum having a ridge straddling the shaft between heads of the drum and flat side portions for closing the drum extending from opposite sides of the ridge and secured along marginal edges of walls of the drum in closing relation to the drum, and means for imparting rocking movement to said shaft.

2,121,487
**ATTACHMENT FOR AIR HAMMERS**
Arthur W. Nichols, Roseville, Calif.
Application June 24, 1935, Serial No. 28,054
7 Claims. (Cl. 153—32)

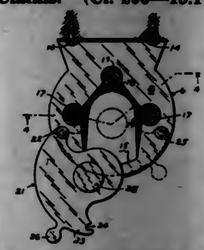
5. A die supporting attachment for a pneumatic hammer having a casing, a plunger reciprocable in the casing, and a hammer head on the outer end of the plunger, said attachment comprising a die disposed beneath and separated from the hammer head whereby work to be hammered may engage between the hammer head and die, a rigid self-supporting yoke disposed under the die, said yoke being disposed in the same plane as the axis of the plunger, one leg



of the yoke being secured to the die, a rigid substantially U-shaped arm between the legs of which the yoke is disposed, means to connect the other leg of the yoke and one leg of the arm together at adjacent ends, and means to connect the other leg of the arm to the hammer casing.



2,121,488
**TOOTH BRUSH HOLDER**
Henry Nefz, Berkeley, Calif.
Application December 26, 1935, Serial No. 56,127
6 Claims. (Cl. 206—15.1)



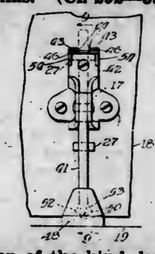
1. In a holder for tooth brushes, a casing defining a space for containing the head portions of a plurality of tooth brushes and having an opening in a flat side thereof for the movement of the heads of the brushes longitudinally therethrough into and from the casing space, means at the edge of said opening for laterally receiving and resiliently and sealedly gripping the handles of the inserted brushes having their heads disposed in said space, and a shutter plate mounted on the aforesaid casing side at its outer face and for movement in a plane parallel to that of the side to sealedly close or to open said opening while one or more brushes are mounted in the holder.

2,121,489
**KNIT BREAST POCKET FOR GARMENTS AND METHOD OF PRODUCING SAME**
George E. Rutledge and Roy H. Davidson, Chicago, Ill., assignors to Vassar Company, Chicago, Ill., a corporation of Illinois
Application May 13, 1937, Serial No. 142,472
22 Claims. (Cl. 66—176)



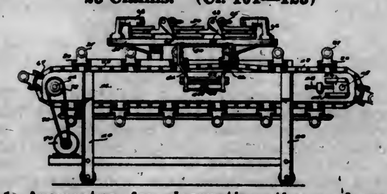
1. A fashioned one-piece knit fabric breast pocket of oval cross-section having fashioning lines running outwardly in opposite directions from the center and dividing the pocket into upper and lower portions, the knit fabric wales of the upper and lower portions running in the same general direction and at their ends meeting at said fashioning lines.

2,121,490
**DOOR STOP**
Michael J. Sasgen and Anthony M. Sasgen, Chicago, Ill., assignors to Grand Specialties Company, Chicago, Ill., a corporation of Illinois
Application March 10, 1937, Serial No. 130,117
6 Claims. (Cl. 292—338)



1. In a door stop of the kind described, a stop lever, a base upon which the lever is pivotally mounted at one end to swing up and down, the upper end of the base divided by a slot to provide two holding projections, the projections being bent to project forwardly, the lever provided, between its ends, with laterally extending lifting projections and said lifting projections arranged to frictionally engage said holding projections to retain the lever in raised non-operative position.

2,121,491
**MACHINE FOR DECORATING SURFACES BY STENCIL METHOD**
Leonard D. Soubier, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application February 14, 1934, Serial No. 711,135
25 Claims. (Cl. 101—123)

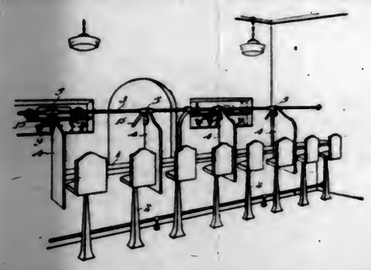


1. Apparatus for decorating the surfaces of articles which comprises, in combination, means for conveying the articles in succession through a decorating zone, a flat screen in said zone, a squeegee, and means for moving the squeegee in a closed path in a plane parallel with the screen and causing the squeegee to register and travel with a said article as the latter travels through the decorating zone.

2,121,492
**ADJUSTABLE COUNTER PARTITION**
Charles B. St. John, St. Paul, Minn.
Application January 2, 1937, Serial No. 118,900
4 Claims. (Cl. 20—1.6)

1. A movable counter partition comprising in combination with a counter having a plurality of

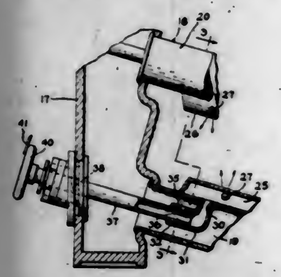
seats adjacent thereto, a partition supporting rail mounted parallel to said counter, a partition secured to said support member in a plane at right angles to said rail and pivotally movable



with respect to said rail, said partition being of a length to normally rest against the forward edge of said counter and having its center of gravity forwardly of said rail.

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2,121,493
**BOILER CLEANER**
Willis P. Thomas, Highland Park, and Frank Bowers and Samuel F. Cox, Detroit, Mich., assignors to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan
Application November 7, 1934, Serial No. 751,884
1 Claim. (Cl. 122—392)

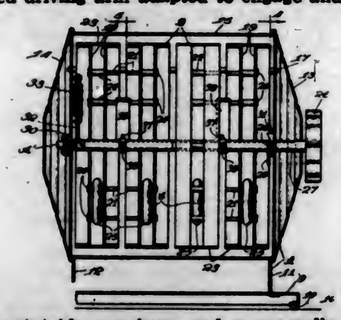


In a boiler cleaner for a boiler of the type which includes spaced headers and boiler tubes connecting said headers, a blower element extending longitudinally of one of said boiler tubes and integrally secured to the same, an elbow located within the boiler tube and communicating with the blower element, a valve member cooperating with said elbow for controlling communication between the boiler tube and the blower element, and means extending through one of said headers to a point exteriorly of the boiler setting for controlling the actuation of said valve.

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2,121,494
**NONREPEATING INDICATOR**
Alfred R. Babcock, Chicago, Ill.
Application January 2, 1936, Serial No. 57,286
9 Claims. (Cl. 273—143)

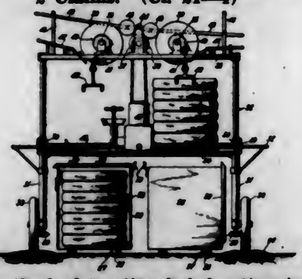
1. In a device of the character set forth: a frame having a shaft upon which are journalled a plurality of independent rotatable members; and means for simultaneously imparting rotation to said members, comprising a crank arm fixed to the shaft and having a pivotally connected driving arm adapted to engage and drive



said rotatable members, and a manually operable handle adapted to turn said shaft.

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2,121,495
**PROCESS OF STORING COTTON AND THE LIKE**
Oscar Fitzalan Bledsoe, Greenwood, Miss.
Application February 18, 1935, Serial No. 7,110
2 Claims. (Cl. 21—4)



1. A method of treating baled cotton in storage which comprises storing the bales in individual ventilated containers wherein substantially the entire surface of the bale is subjected to continuous exposure of humidified atmosphere and maintaining a degree of humidity in the atmosphere whereby the moisture content of the cotton will be maintained to inhibit evaporation of oils from the cotton.

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2,121,496
**FIBER BODIES AND METHOD OF PRODUCING SAME**
Kenneth H. Bowen and Ernest B. Carlson, Auburn, N. Y., assignors to Columbian Rope Company, Auburn, N. Y., a corporation of New York
Continuation of application Serial Nos. 124,876, February 9, 1937, and 138,649, April 23, 1937. This application November 18, 1937, Serial No. 175,335
15 Claims. (Cl. 51—193)



1. A disk-like polishing or abrading body comprising a ply of material composed of fibers and a binder, a majority of the individual fibers in said ply being of a length substantially at least equal to the thickness of said ply with groups or tufts of said fibers extending transversely through the ply.



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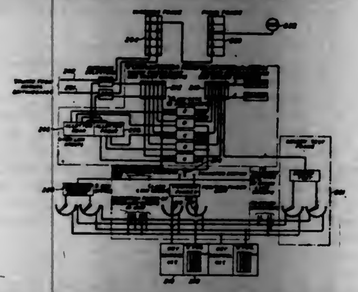
2,121,497
**CHASSIS-FRAME FOR AUTOMOBILE VEHICLES**
Georges Broulhiet, Paris, France
Application October 10, 1936, Serial No. 105,137
In Belgium October 18, 1935
3 Claims. (Cl. 280—106)



1. In an automobile having two rows of seats and a floor corresponding to said seats, a chassis frame which comprises, in combination, two tubular side members, and means for interconnecting said side members, each of said side members having an upper outline sloping slightly from the front to a point located under the front row of seats, then sloping to a substantial degree from said point to the front part of the region of the floor corresponding to the rear seats, then remaining horizontal to a point located under the rear seats, and then sloping upwardly, whereas the under outline slopes from the front to the first mentioned point located under the first row of seats, with a greater inclination than the corresponding part of the upper outline, then remains horizontal from said first mentioned point to the second mentioned point, located under the rear row of seats, and then slopes upwardly, substantially parallelly to the corresponding part of the upper outline, the part located under the region of the floor corresponding to the rear seats being of greater width than the remainder of said side member.

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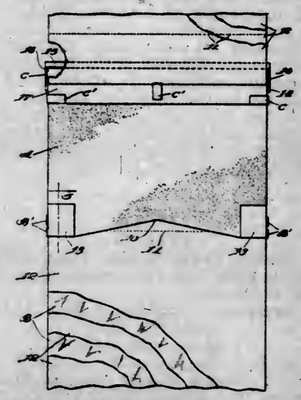
2,121,498
**CALL DISTRIBUTING TELEPHONE SYSTEM**
Sanford F. Dunning, Wheaton, Ill., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 27, 1937, Serial No. 156,029
12 Claims. (Cl. 179—27)



1. In a telephone system, a plurality of trunk circuits, a plurality of link circuits for said trunk circuits, a plurality of operators' positions, a position finder common to said plurality of link circuits, means in each of said link circuits responsive to its seizure by a trunk circuit for seizing said position finder to connect with an idle operator's position, and means effective when a second link circuit is seized by a trunk circuit to associate said position finder with said second link circuit without releasing said operator's position.

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2,121,499
**CARBON HOLDING DEVICE**
John E. Euth, Chicago, Ill., assignor to United Autographic Register Co., a corporation of Illinois
Application January 9, 1937, Serial No. 119,852
10 Claims. (Cl. 232—29)



1. A manifolding device, for use in a typewriter having a cylindrical platen around which continuous stationery strips may be led, comprising: a flexible tail-like web to which is attached a plurality of carbon slips interleaved with said stationery, said web having a face of frictional material adapted to engage said platen so as to restrain advance of the carbons while the stationery is stripped therethrough.

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2,121,500
**COMBINATION CONTAINER FOR CIGARETTES AND MATCHES**
Clarence Elmer Gray, St. Petersburg, Fla.
Application October 14, 1937, Serial No. 169,039
1 Claim. (Cl. 206—48)



A cigarette box, generally rectangular in shape, having an open top and lid therefor, said box being of such depth as to accommodate two rows or layers of cigarettes, and said box having a portion of its bottom deformed upwardly to form within the confines of the box an externally accessible receptacle for receiving and accommodating a conventional package of "book" or "paper" matches, the bottom of said receptacle being located substantially in the medial plane of said cigarette box in such position that the upper layer of cigarettes will be maintained substantially flush with the top edges of the cigarette box, said receptacle bottom sloping somewhat so that when a conventional package of matches is housed in said receptacle the front or outer surface of said package of matches will be substantially flush with the outer surface of the bottom of the cigarette box.

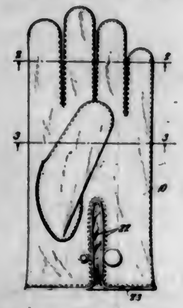
2,121,501
**HYPOCHLORITE COMPOSITION**
Paul R. Hershman, Chicago, Ill., assignor, by direct and mesne assignments, to Oakite Products, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 17, 1936, Serial No. 69,413
5 Claims. (Cl. 23—248)

1. A composition of materials comprising calcium hypochlorite, a dry water soluble aliphatic organic acid which is capable of forming calcium salts soluble in water in an amount sufficient to solubilize any free lime present in the mixture, an alkali metal salt of a water soluble aliphatic organic acid capable of forming calcium salts soluble in water, an alkali metal chloride capable of forming a soluble salt with the hypochlorite in an amount sufficient to solubilize all of the hydrochlorite in the mixture, and an oxidizing agent selected from the group consisting of the alkali metal salts of chromic and chloric acids, the oxidizing agent being sufficient in amount to keep the calcium salts in solution.

2,121,502
**STARCH**
Carl C. Kesler, Cedar Rapids, Iowa, assignor to Penick & Ford, Ltd., Incorporated, a corporation of Delaware
No Drawing. Application May 4, 1936, Serial No. 77,862
4 Claims. (Cl. 127—33)

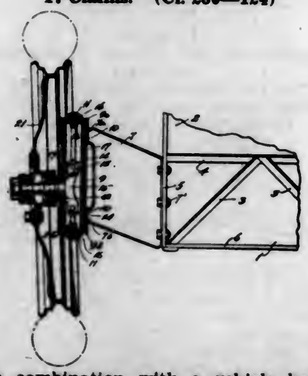
1. A method for preparing a starch product comprising: heating starch granules in water in the presence of a volatile disintegration-inhibitor until the crosses of said granules have disappeared as observed through crossed nicols, discontinuing the heating while the bulk of the granules are non-disintegrated, drying said starch granules while at the same time volatilizing said inhibitor, and recovering said inhibitor by condensation.

2,121,503
**GLOVE LINING**
William H. Kuh, Marinette, Wis., assignor to Eisendrath Glove Company, Chicago, Ill., a corporation of Illinois
Application April 7, 1937, Serial No. 135,568
2 Claims. (Cl. 2—164)



1. A glove lining comprising, in combination: a fur back lining portion with the hair side inward; an absorbent fabric palm lining portion; rows of stitching joining only the registering edges of said lining portions at the index finger edge, about the finger tip edges and through the little finger edge of the palm and back portion.

2,121,504
**VEHICLE SUSPENSION**
James V. Martin, Garden City, N. Y.
Application July 21, 1931, Serial No. 552,238
Renewed June 19, 1937
17 Claims. (Cl. 280—124)



1. In combination with a vehicle body and road wheel, an intervening guide bracket inclosing self-aligning guide surfaces to hold the wheel in desired relations with the said body and providing a sliding yieldable vertical movement therebetween, a steering tie-rod leading from a sprung portion of the said bracket through the body side wall above the body bottom, a steering column secured to the body bottom and carrying a pinion thereon, and a rack meshing with the said pinion on the said tie rod to move the same.

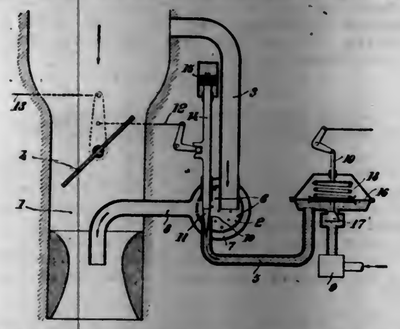
2,121,505
**BOOKBINDING**
Harvey B. Martling, Nashville, Tenn.
Application April 15, 1937, Serial No. 137,137
9 Claims. (Cl. 281—21)



1. In a book, the combination of a back; covers operatively connected to said back; a stack of leaves including outside leaves and intermediate leaves formed with registering openings adjacent their inner edges; a reinforcing strip connected to one of said outside sheets adjacent its inner edge and connected to the inside inner edge of the adjacent cover, said strip having a hinged portion between its connections to said outside leaf and said cover, and said strip being formed with spaced openings on opposite sides of said hinged portion respectively and aligned with the openings in said leaves; and attaching means passing through the openings in said leaves and in said reinforcing strip and being secured to said back.

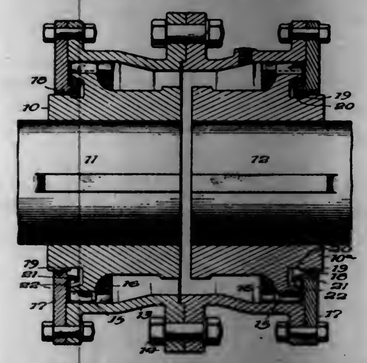
2,121,506
**CARBURETOR**
Marcel Mennesson, Neuilly-sur-Seine, France, assignor to Societe Anonyme Solex, Neuilly-sur-Seine, France, a corporation of France
Application December 9, 1935, Serial No. 53,682
In Belgium January 29, 1935
8 Claims. (Cl. 261—50)

1. A floatless carbureting system for an internal combustion engine, which comprises a suction pipe communicating with said engine, a throttling member in said suction pipe, a chamber, several passages of small area distributed over the whole of the surface of the wall of said chamber, a conduit enveloping the walls of said



chamber and communicating with said suction pipe, a large air inlet passage opening in said chamber, means for feeding fuel into said chamber, means for controlling the feed of fuel into said chamber, and means for connecting said throttling member and said fuel controlling means.

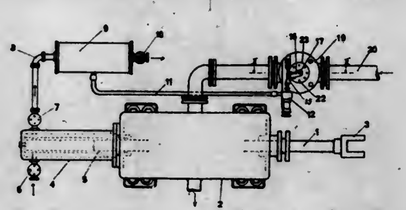
2,121,507
**FLEXIBLE SHAFT COUPLING**
Merton W. Morgan, Baltimore, Md., assignor to Poole Foundry & Machine Company, Baltimore, Md., a corporation of Maryland
Application June 14, 1937, Serial No. 148,183
9 Claims. (Cl. 64—9)



1. In a flexible shaft coupling, the combination with the driving and driven shafts, a hub member on each shaft, a sleeve encircling said hub members, driving connections between each hub member and said sleeve comprising intermeshing elements on the sleeve and hub members, closure plates for the ends of said sleeve each having lubricant-sealing engagement with one of said hub members, of means overlapping said intermeshing elements axially of the shafts for preventing lubricant within the sleeve gravitating onto the surfaces of said hub members adjacent said closure plates, and means for preventing lubricant on the surfaces of said members moving to the point of engagement between said closure plates and their respective hub members.



2,121,508
**GOVERNOR MEANS**
Alfons Ohnrich, Horni Litvinov, Czechoslovakia
Application April 11, 1935, Serial No. 15,886
In Czechoslovakia April 13, 1934
1 Claim. (Cl. 264—14)



A governor to control the speed of a fluid motor said motor having fluid supply means, a pump having two cylinders of unequal diameters, a pair of pistons for said cylinders, said cylinders opening into a pressure chamber at one of their ends, and valves at the other ends communicating with the reservoir, means for connecting said pistons to the fluid motor, a throttle valve for connecting said reservoir to said pressure chamber, and means for connecting said pressure chamber to the fluid supply means of the fluid motor to control the magnitude of the output of said fluid motor in accordance with the adjustment of said throttle valve and in accordance with the operation of said pistons.

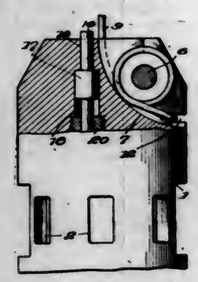
2,121,509
**TETRA N-ALKYL LONG CHAIN ALKYLENE DIAMINES AND PROCESS FOR PREPARING THEM**
Frank Lee Pyman and Hyman Henry Lionel Levene, Nottingham, England, assignors to Boot's Pure Drug Company Limited, Nottingham, England, a British company
No Drawing. Application June 16, 1936, Serial No. 85,620. In Great Britain June 19, 1935
10 Claims. (Cl. 260—127)

1. The process for the production of a tetra-N-alkyl diamino derivative of the paraffin series, which consists in reacting a dialkylamine with a substance from the group consisting of the N-dialkyl amino derivatives of the halide of a hydrocarbon of the paraffin series containing a number of carbon atoms from 8 to 12 inclusive and the hydrohalides of said N-dialkyl amino derivatives the alkyl groups in the said reacting substances being drawn from the group consisting of butyl and amyl.

2,121,510
**CABLE TIE OR FASTENING**
George W. Rusler, Verona, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application April 8, 1936, Serial No. 73,386
9 Claims. (Cl. 24—123)

1. In a cable tie a large radius take-off member, located eccentrically with respect to the central vertical axis of the tie and tangential with respect to the said axis, and about which the cable is adapted to be wound to reduce superimposed bending stress in the cable at the point of take-off of the cable from the tie, means for securing the end of the cable to the tie, and snubbing means positioned within the tie for absorbing the line

pull on the cable, said snubbing means being interposed between the cable end securing means



and the large radius cable take-off member to reduce the line pull on the cable securing means.

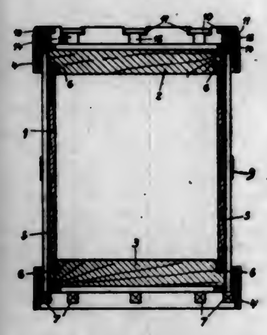
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2,121,511

**CLOSURE FOR BARRELS AND THE LIKE**

Georg Schlesinger, Brussels, Belgium, assignor to Aktiengesellschaft für Holzveredlung, Zurich, Switzerland

Application October 28, 1935, Serial No. 47,169
In Switzerland December 2, 1934
9 Claims. (Cl. 217—72)



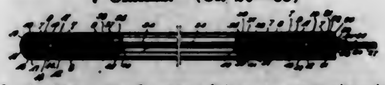
1. In a closure for a wooden barrel-like receptacle having a relatively thin-wall cylinder and designed to withstand relatively high internal pressures, the combination with the cylinder, of at least one removable head therefor, said head having an area adapted to be brought into direct pressure contact with the adjacent end of the cylinder and having another non-contacting area in line with a portion of the adjacent end area of the cylinder, and a flexible packing located between the cylinder and said non-contacting area, said packing being of a thickness to hold said head out of engagement with said cylinder when under no pressure, means to force the head and cylinder end together until the contacting areas of the head and cylinder meet, said means comprising pressure rings located at each end of the barrel and projecting over the peripheries of the heads thereof, and means located within the compass of said rings and connecting them together for purposes described.

2,121,512

**WEATHERPROOF PANEL STRUCTURE AND METHOD OF MAKING SAME**

John W. Shields, Evansville, Ind., assignor, by mesne assignments, to International Door Company, Evansville, Ind., a corporation of Illinois

Original application May 10, 1935, Serial No. 20,844. Divided and this application May 9, 1936, Serial No. 78,911
7 Claims. (Cl. 20—35)



1. A door panel comprising a core structure, sheets of laminated material secured to the opposite surfaces of said panel, a metallic molding disposed peripherally of said core structure, and means extending from said metallic molding entering said core structure, and forming abutments for the edges of said sheets of laminated material.

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2,121,513

**SHOULDER STRAP SUPPORTER**

Willa E. Smith, San Diego, Calif.

Application November 8, 1937, Serial No. 173,493
10 Claims. (Cl. 24—73)



3. As an article of manufacture, a shoulder strap supporting device comprising an elongated strip having a snap fastener member adjacent one end, the other end formed into an end loop and secured to the strip by a second snap fastener member, the snap fastener members cooperating with each other and forming a loop through which the shoulder strap passes, means on each side of said end loop cooperating to receive between them a portion of the garment for attaching the device to the garment.

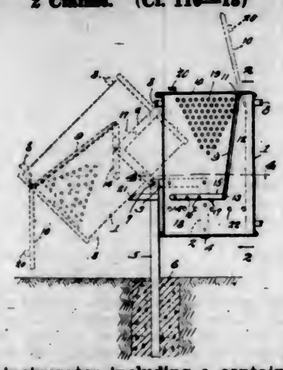
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2,121,514

**INCINERATOR**

Arthur C. Waterman, Shreveport, La.

Application May 23, 1936, Serial No. 81,537
2 Claims. (Cl. 110—18)



1. An incinerator including a container, rigid means of supporting the same in an upstanding position, said container being movable relative to its supporting means to deliver its contents by gravity, means in the container for dividing the interior thereof into a trash receiving space and a garbage receiving space, a hinged grate at the bottom of the trash receiving space and dividing such space from a compartment thereunder in communication with the garbage receiving space, said grate being adapted to swing downwardly toward and relative to the dividing means when the container is inverted.



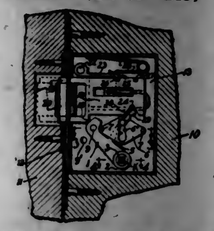
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2,121,515

**LOCK**

Isaac C. White, Glendale, Calif.

Application July 26, 1937, Serial No. 155,725
3 Claims. (Cl. 70—143)



1. A lock comprising a casing, a single bolt operably related to said casing and arranged to latch a door when in one position and to lock the door when in an another position, a spring urged lever pivoted to the casing and engaging and normally maintaining said bolt in latching position, key engaging portions on said lever and bolt arranged to first actuate the lever to release the bolt and then shift the bolt when successively engaged with a key turned thereagainst, a latch, and means for moving said latch into and out of position for obstructing the unlatching movement of said bolt, and a key engaging portion on said latch for moving the latch out of latching position when engaged by the said key, and the latter is disengaged from the key engaging portions on said lever and bolt.

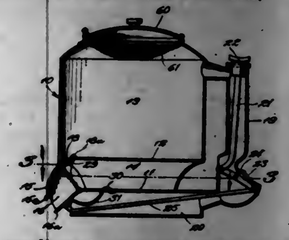
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2,121,516

**CONDIMENT RECEPTACLE**

Jack Woo, Port Alice, British Columbia, Canada

Application October 18, 1937, Serial No. 169,742
4 Claims. (Cl. 221—112)



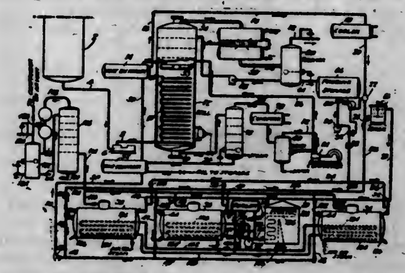
1. A condiment receptacle having a bottom and a partition forming upper and lower chambers therein, a spout extending from said lower chamber, a measuring container pivoted to said bottom and operable in said spout, a valve pivoted above said container and connected thereto whereby movement of said container to dispensing position will close said valve and movement of said container to closed position will open said valve.

2,121,517

**ART OF REMOVING ASPHALT FROM ASPHALT BASE OILS**

David G. Brandt, Westfield, N. J., assignor to Power Patents Company, Hillside, N. J., a corporation of Maine

Application May 16, 1933, Serial No. 671,317
5 Claims. (Cl. 196—13)



1. The process of separating asphalt from asphalt-bearing oils, which comprises continuously mixing a stream of oil to be treated with a substantial proportion of a low gravity blending agent comprising a hydrocarbon diluent selected from the group of hydrocarbons consisting of methane, ethane, propane, the butanes, the pentanes, the corresponding olefines and naphthenes, and mixtures thereof, passing a stream of the resulting mixture into one of a plurality of enlarged settling zones in which the asphalt contained in the oil is precipitated therein until a substantial quantity of asphalt is contained in said zone, thereafter diverting said stream of oil mixture from said enlarged zone into another zone of said plurality of enlarged zones to deposit asphalt therein, introducing fresh blending agent into the precipitated asphalt contained in said first-mentioned zone following said precipitation to wash any occluded oil therefrom, removing the washed asphalt from the enlarged zone, utilizing the wash liquor from said washing operation for blending with said fresh asphalt bearing oil introduced into the process to supply at least in part the blending agent, and continuing the operation by using the plurality of enlarged zones separately and successively as asphalt-precipitation zones.

4. An apparatus for removing asphalt from asphalt-containing oils, comprising means for mixing asphalt-containing oil with a low gravity blending agent, a plurality of asphalt settling chambers, and means for separately conducting the asphalt oil-blending agent mixture into any one of said chambers, means for separately introducing blending agent into each of said chambers to wash the asphalt deposited therein while asphalt is being precipitated in another chamber, and means for conducting the wash liquor from each of said chambers to the means for mixing the blending agent with asphalt-containing oil.

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2,121,518

**PROCESS OF PURIFYING PETROLATUM**

Ferdinand W. Breth, New York, N. Y., and Anthony Kinsel, Petrolia, Pa., assignors to L. Sonneborn Sons, Inc., a corporation of Delaware

No Drawing. Application November 21, 1935, Serial No. 50,996
8 Claims. (Cl. 196—21)

6. The process of purifying petrolatum comprising filtering petrolatum at about 250° F.

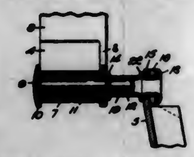
through activated bauxite under a pressure of at least 30 pounds per square inch in excess of atmospheric.

2,121,519

## BAG FRAME STRUCTURE

Joseph F. Cox, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application February 5, 1936, Serial No. 62,449
1 Claim. (Cl. 150—29)



In a pivoted frame structure for devices of the class described, a one-piece hollow hinge pin having a head at one end thereof, a shank extending from said head, said shank having a substantially uniform diameter throughout its length, said diameter of said shank being less than that of said head, said shank passing through parts of said frame and acting as a pivot bearing, a peripheral bead extending outwardly from said shank and disposed on the length of said shank in spaced relation to said head whereby said bead and said head cooperate to hold the frame parts together, a portion of said shank on the other side of said bead from said head disposed outside of said hinged portions of the frame structure for cooperation with the hinge pin means of a cooperating frame structure.

2,121,520

## MAINTENANCE OF PHOSPHATE COATING BATHS

Leo P. Curtin, Cranbury, N. J., assignor to Curtin-Howe Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application September 24, 1936, Serial No. 102,441
4 Claims. (Cl. 148—6.5)

1. In the operation of phosphating baths for providing ferrous metals with a protective coating, the process which comprises establishing and maintaining a bath containing as its essential coating ingredient a phosphoric acid compound having an acidity substantially equivalent to that of soluble ferrous dihydrogen phosphate, and preventing the formation of ferric sludge therein by adding to the bath from time to time a reducing agent adapted to supply $SO_2$ to the bath without substantially interfering with the said acidity, said reducing agent being added in a quantity sufficient to keep iron compounds in the bath reduced to the ferrous state and to provide free sulfur dioxide in the bath in a minor concentration of at least 0.01 per cent, as free acid.

2,121,521

## ELECTRICAL CONNECTER PLUG

Scipione M. Del Camp, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois

Application April 2, 1936, Serial No. 72,326
1 Claim. (Cl. 173—361)

A plug for electrical connections including a tubular sheet metal container having an open end, a plurality of fingers integral with one of said open ends, an insulating plate of small diameter and an insulating plate of large diameter in fixed assembly with said container at said open end, said large plate having a number of apertures located at predetermined points within the periphery thereof and equal in number to the number of said fingers, said fingers disposed within the apertures of said large plate and in clamping engagement with said small plate



whereby said small plate is secured firmly to said container within said open end, and a plurality of contact prongs carried by said plates, said prongs having integral means engaging said plates between them whereby said plates are held in assembled relation, said large plate having a diameter substantially larger than said container adjacent said open end.

2,121,522

## CAR SEAT

Frank A. Eichel, New York, N. Y., assignor to Thomas Lamb, New York, N. Y.

Application April 23, 1936, Serial No. 75,935
1 Claim. (Cl. 155—96)



In a reversible seat, in combination, a stationary bed plate, a movable bearing plate, a cam track in said bed plate, a guide pin mounted in said bearing plate and extending into contact with said cam, said guide pin serving to guide the translation of said bearing plate along the path of said cam, a link having one end pivoted in said bed plate and its other end pivoted in said bearing plate, and serving to cause rotation of said bearing plate about said guide pin as an axis as it is moved along said cam track, the pivot in said bed plate being located in alignment with the terminal portions of said cam track, and the pivot in said bearing plate being equidistant from said terminal portions in either of the final positions of said seat.

2,121,523

## CLOTHES WASHING MACHINE

Peter Eduard Geldhof, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware

Application November 21, 1932, Serial No. 643,635
1 Claim. (Cl. 68—131)



A machine for washing clothes, a vat for containing the washing fluid and clothes to be washed, an agitator mounted in said vat, a plunger rod to which said agitator is secured extending upwardly through the bottom of the vat, said agitator comprising a substantially circular body member, the long axis of which extends at an angle to the bottom of the vat, and means for reciprocating said agitator upwardly and downwardly in the vat.



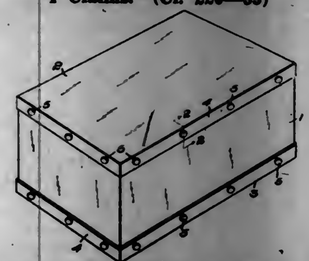


2,121,524

## RADIO CONTAINER AND FASTENER FOR THE SAME

Arthur W. Kimbell, Newton Center, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application May 8, 1935, Serial No. 20,351
4 Claims. (Cl. 220—55)



1. A radio container and the like comprising, in combination, a box portion having side walls, said side walls having a stud-receiving aperture therein, a cover for said box portion having flanges overlapping said side walls of said box, said flanges having an aperture in substantial alignment with the aperture of said side walls, and a snap fastener having a shank portion and means providing an overhanging portion in spaced relation to the outside surface of said cover flanges for the purpose described, said shank portion extending through the apertures of said side walls and said cover whereby said cover is firmly attached to said box.

2,121,525

## FENDER GUIDE

Arthur A. Johnson, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application February 21, 1936, Serial No. 65,057
10 Claims. (Cl. 248—43)



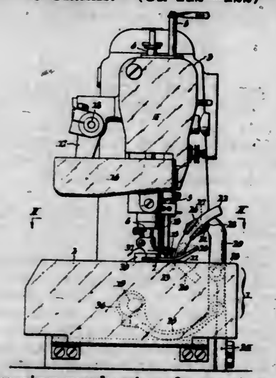
1. A fender guide including a staff; means for giving said staff a universal mounting, said means including a ball near the lower end of the staff, and a pair of bracket structures one crossing the other and rockable relative to the other; a socketing means for the ball wholly carried by one of said brackets; means partially carried by both bracket structures for clamping said mounting means to the edge of a fender when said bracket structures are relatively rocked; and means including a single draft member for rocking the rockable bracket relative to the other for causing said socketing means to grip said ball to hold same in any one of a plurality of possible angular adjustments of the staff relative to the ground level, the means last-mentioned operating thus to grip the ball when said draft member is operated to give said bracket structures relative movement to cause them to grip a fender edge to mount the fender guide on such fender.

2,121,526

## TRIMMING MECHANISM FOR SEWING MACHINES

Frank A. Kucera, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application September 9, 1936, Serial No. 99,915
8 Claims. (Cl. 112—122)



1. Trimming mechanism for sewing machines, comprising a fixed blade along one edge of an opening in the work support of a sewing machine with its cutting edge substantially at the level of the top of said work support; a cooperating movable cutting blade actuated from above the work support to trim fabric being sewed in the machine; a movable trimming stripper in the form of a plate substantially closing said opening in the region of the fixed blade and having an upwardly extending portion for deflecting the trimmings; and yielding means influential upon the stripper plate to maintain an edge of the latter in lateral contact with the movable blade.

2,121,527

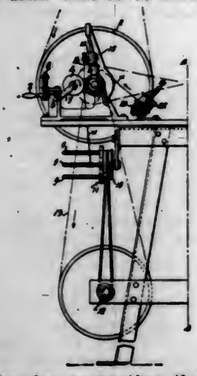
## METHOD AND MACHINE FOR PRODUCING COILED WIRE BUNCHES

George L. Mason, Warehouse Point, Conn., assignor to Springfield Wire & Tinsel Co., West Springfield, Mass., a corporation of Massachusetts

Application March 10, 1934, Serial No. 714,899
13 Claims. (Cl. 140—71)

1. In a wire curling machine of the kind in which wire is drawn over a curling edge under tension to give it a tendency to curl and then released to form coils, the combination of an aligned series of separate curling mechanisms,

a common curling edge in the form of a small wire over spaced portions of which the separate mechanisms draw wire to be treated under ten-



sion, a holder for supporting the curling edge wire in rigid position adjacent each of its spaced portions used for curling, and means to removably hold said wire in the holder.

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2,121,528

**BAG FRAME STRUCTURE**

George S. Merk, Flushing, N. Y., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application April 8, 1935, Serial No. 15,177

4 Claims. (Cl. 150—29)



2. The combination with a bag frame having opposed members hinged together and movable toward and away from each other of a channel member at the outer face of one of said members and having converging side walls extending away from said member, and an ornament member having cooperating converging slots in the under face thereof receiving said side walls, said channel member having an open end cooperating with an open end of the slots of said ornament whereby said members are engaged by a longitudinal approaching movement.

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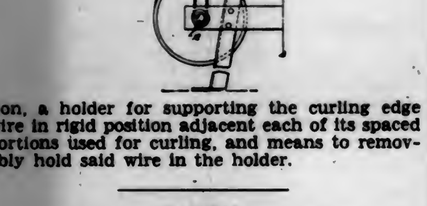
2,121,529

**ART OF FORMING AND DISTRIBUTING CHARGES FOR INTERNAL COMBUSTION ENGINES**

Arlington Moore, New York, N. Y., assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y., a corporation of Delaware

Application December 10, 1932, Serial No. 646,687

4 Claims. (Cl. 123—122)



1. A charge forming and distributing manifold comprising an exhaust gas heated, dome-shaped member in alignment with the entrance to the manifold, said member having an insulating jacket disposed about the same.

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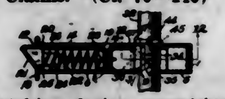
2,121,530

**DOOR LATCH STRUCTURE**

Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application April 16, 1936, Serial No. 74,657

6 Claims. (Cl. 70—146)



2. A door latching device comprising, in combination, an outer casing having a pair of opposed apertured sides, a spring-actuated member slidably disposed within said casing and having a latch means at one end thereof, said member having a base plate facing one of said sides and upstanding spaced side walls integral with said base plate, said plate having an aperture in alignment with the apertures of said sides, said side walls having oppositely disposed slots extending from the longitudinal free edge of each of said side walls to a point adjacent said base plate, the free edge of the material adjacent to one side of each of said slots disposed in angular relation to said base plate for providing camming surfaces, and a member extending axially through the apertures of said casing and said base plate, said last-mentioned member having means engaging the cammed surfaces of said side walls when pressure is applied longitudinally of said axially-extending member thereby moving said slidable member for disengaging said latch means from a cooperating recess of another part.

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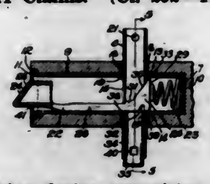
2,121,531

**DOOR LATCH STRUCTURE**

Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application May 15, 1936, Serial No. 79,843

11 Claims. (Cl. 292—170)



1. A latching device comprising an apertured cylindrical casing part, an elongated tubular member extending transversely through said casing having means preventing withdrawal thereof, said tubular member having slots on opposite sides thereof in alignment with the bore of said casing, a spring-actuated slidable bolt member disposed within said casing and extending through the slots of said tubular member, said bolt member having a latch means at one end normally extending from said casing and a cam portion at the other end, said cam portion having a cam surface disposed within said tubular member, and a portion of the material of said tubular member adjacent at least one of said slots adapted to engage said cam surface when force is applied longitudinally of said tubular member thereby moving said bolt member against the action of said spring for disengaging said latch from a cooperating recess of another part.



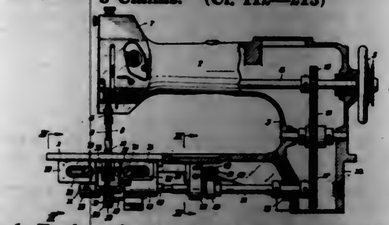
2,121,532

**FEED MECHANISMS FOR SEWING MACHINES**

George Sauer, Berwyn, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application December 17, 1935, Serial No. 54,805

8 Claims. (Cl. 112—215)



1. Feed mechanism for sewing machines comprising a shaft; an eccentric on said shaft; a feed bar pivotally supported in suspension by a strap in the same plane therewith for reception of rise and fall movements from said eccentric, said bar having a portion extending over the shaft and terminating at the front of the machine; and means coordinated with the end of the over-reaching portion of the feed bar for imparting feed movements to said bar.

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2,121,533

**METHOD OF CARRYING OUT CERTAIN OXIDATIVE FERMENTATION PROCESSES BY BACTERIA**

Percy A. Wells, Arlington, Va., Lewis B. Lockwood and Joseph J. Stubbs, Washington, D. C., assignors to Henry A. Wallace, Secretary of Agriculture of the United States of America, and his successors in office

No Drawing. Application April 12, 1937, Serial No. 136,270

3 Claims. (Cl. 195—49)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. A process for the manufacture of l-sorbose from d-sorbitol, comprising inoculating an aqueous d-sorbitol solution containing a nutrient with bacteria of the genus Acetobacter, maintaining aeration and agitation of the inoculated solution, the while maintaining the same under superatmospheric pressure of gases containing substantial quantities of oxygen.

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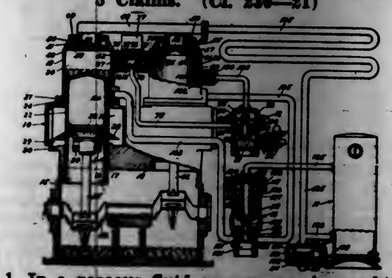
2,121,534

**FLUID COMPRESSOR**

Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application July 2, 1936, Serial No. 88,497

5 Claims. (Cl. 230—21)



1. In a gaseous fluid compressor, in combination, a fluid compressing piston for compressing fluid in a compression chamber, means operative upon running the compressor for supplying liquid to the compression chamber at a restricted rate, said chamber having a liquid discharge communication, and means operated upon a predetermined increase in the pressure of fluid compressed by the compressor for opening said communication for permitting the discharge of the liquid supplied to said chamber.

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2,121,535

**GRANULAR PRODUCT AND METHOD OF PREPARING THE SAME**

Fred Hughes Amon, Weston, Mass., assignor to Godfrey L. Cabot, Inc., Boston, Mass., a corporation of Massachusetts

Application September 22, 1934, Serial No. 745,089

10 Claims. (Cl. 134—58)



9. As a new product of manufacture, substantially spherical granules containing carbon black without free liquid and approximately 50% by weight of the water solution of a water-soluble alkylated naphthalene sulphonate, including therewith a small amount of a water-soluble wetting agent effective for wetting carbon black particles, said granules being sufficiently cohesive in structure to withstand transportation in bulk without substantial disintegration, and having the capacity of mixing with dry cement without rapid hydrating reaction and presenting carbon black in condition to be readily dispersed upon the addition of water.

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2,121,536

**AIRCRAFT SUSTAINING ROTOR**

James Allan Jamieson Bennett, Genista, Newton Mearns, Scotland, assignor to Autogiro Company of America, Willow Grove, Pa., a corporation of Delaware

Application September 14, 1935, Serial No. 40,566

Renewed September 15, 1937. In Great Britain September 17, 1934

21 Claims. (Cl. 244—18)

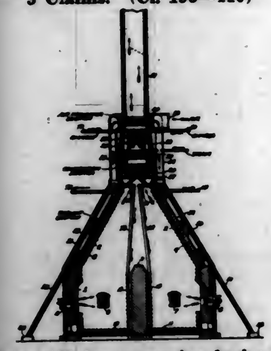


1. An aircraft sustaining rotor comprising a generally upright hub, a plurality of blades extending outwardly therefrom and normally positioned with respect thereto at an autorotational incidence, and for each blade a mounting link, a flapping or delta pivot approximately intersecting the longitudinal axis of the blade and articulating said link to the hub for movement of the link generally in a plane containing the hub axis, and a drag or alpha pivot approximately intersecting the longitudinal axis of the blade

and articulating the blade to said link for oscillation with respect thereto; the axis of said alpha pivot, projected on a plane containing the hub axis but perpendicular to the longitudinal axis of the blade, making a substantial oblique angle with relation to the plane containing the hub axis and the longitudinal blade axis and also with relation to the general plane of the blade when the latter is in substantially true radial position, whereby oscillation of the blade on the alpha pivot with relation to the link is compounded of an appreciable movement of the blade in the plane of rotation and an appreciable movement in the plane transverse thereto.

### 2,121,537
### FURNACE CONSTRUCTION

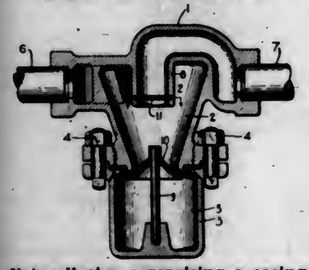
**Robert W. Coghill, New York, N. Y., assignor to Alco Products, Inc., a corporation of Delaware**
**Application December 29, 1932, Serial No. 649,298**
**5 Claims. (Cl. 196—110)**



2. A tube still for processing hydrocarbon oils including in combination a setting, a partition wall within said setting, firing points on opposite sides of said partition wall, radiant heat tubes within the setting disposed oppositely of the partition wall in planes parallel to the sides thereof whereby a pair of radiant tube sections are formed, a common converging passageway for conducting the hot combustion gases of both radiant heat sections to the atmosphere without substantial change in direction and convection tubes positioned within said passageway above said radiant heat tubes.

### 2,121,538
### DIRT COLLECTOR

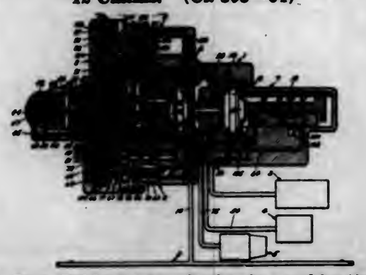
**Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania**
**Application April 20, 1937, Serial No. 137,955**
**2 Claims. (Cl. 303—88)**



1. A dirt collector comprising a casing having a dirt separating chamber, a fluid inlet to said chamber, a fluid outlet from said chamber, a dirt collecting chamber normally open to said separating chamber, a valve for closing communication from said collecting chamber to said separating chamber upon a reduction in the fluid pressure in said separating chamber, and a rib formed integral with said casing and extending across said outlet and adapted to engage said valve for preventing said valve closing communication to said outlet if said valve is accidentally forced into said separating chamber.

### 2,121,539
### FLUID PRESSURE BRAKE

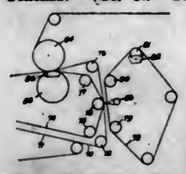
**Ellery R. Fitch, Irwin, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania**
**Application March 13, 1937, Serial No. 130,727**
**12 Claims. (Cl. 303—64)**



1. In a fluid pressure brake, in combination, a brake pipe, a quick action chamber adapted to be charged with fluid under pressure from the brake pipe, an emergency valve mechanism having two communications for charging said chamber, and means included in the emergency valve for controlling said communications, said means being movable to one position to render both of said communications effective to charge said chamber and movable to another position to render one of said communications ineffective to charge said chamber, said communications being so arranged with relation to each other that the flow of fluid through one is at all times independent of the flow of fluid through the other.

### 2,121,540
### PAPER MANUFACTURE

**Leonard R. Growdon, Chillicothe, Ohio, assignor, by mesne assignments, to K. C. M. Company, Dayton, Ohio, a corporation of Delaware**
**Application May 1, 1934, Serial No. 723,362**
**10 Claims. (Cl. 92—40)**

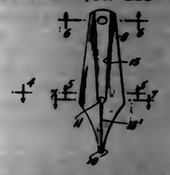


1. The method in the formation of a sheet of paper which comprises forming a wet web of paper, adding additional paper forming material including mineral filler to the lower side of the wet web to incorporate said material into and upon said lower side, turning the sheet over, and then applying suction to the lower side of the sheet to obtain a uniform distribution of the additional paper forming material in the web.



### 2,121,541
### METHOD FOR MANUFACTURING PEN POINTS

**Lloyd S. Henwood, Merchantville, N. J., assignor to C. Howard Hunt Pen Company, Camden, N. J., a corporation of New Jersey**
**Application February 4, 1935, Serial No. 4,813**
**3 Claims. (Cl. 113—32)**



1. In the treatment of a pen blank to form a pen point, the steps of forming a slit in the blank extending from the writing tip thereof inwardly to form nib parts, and thereafter opening the slit to form a slot by thinning and thus laterally spreading the metal adjacent the inner end of the slit.

### 2,121,542
### MANUFACTURE OF PEN POINTS

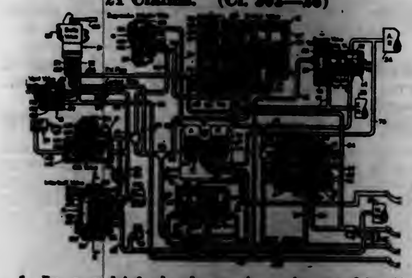
**George E. Bartel, Jr., Wynnewood, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J., a corporation of New Jersey**
**Application December 31, 1936, Serial No. 118,464**
**3 Claims. (Cl. 113—32)**



1. In the manufacture of pens, the steps of forming a pen blank, slitting the toe of the blank to form nib parts, opening the slit to form a slot by thinning the metal of the blank in a zone located adjacent the inner end of the slit, and thinning the metal of the blank in two additional zones located one on each nib part intermediate the ends of the slit.

### 2,121,543
### FLUID PRESSURE BRAKE

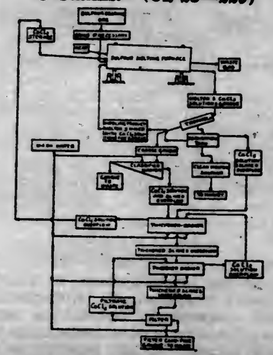
**Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania**
**Application November 6, 1936, Serial No. 109,483**
**21 Claims. (Cl. 303—36)**



1. In a vehicle brake system, in combination, a brake equipment comprising a control pipe to which fluid under pressure is supplied to effect a straight air application of the brakes and also comprising a normally charged pipe in which the pressure of fluid is varied to effect an automatic application of the brakes, means responsive to control pipe pressure for effecting after a predetermined delayed interval of time a variation of pressure in said charged pipe, and means responsive to the degree of application of the brakes and operable to prevent said variation in charged pipe pressure when the degree of application attains a given value before the elapse of said predetermined interval of time.

### 2,121,544
### RECOVERY OF SULPHUR

**Ernest Klepetko, Pacific Palisades, and Leo G. Wright, Los Angeles, Calif.**
**Application February 5, 1937, Serial No. 124,268**
**8 Claims. (Cl. 23—229)**



5. The method of recovering sulphur from sulphur ores which comprises subjecting the ore while in contact with a substantial body of molten sulphur in a suitable melting chamber to a heating operation to melt the sulphur of the ore, maintaining a layer of an aqueous medium having a boiling point above the melting point of sulphur over the melted sulphur during the heating operation, withdrawing molten sulphur, unfused residue and aqueous medium from the melting chamber to a suitable separation chamber in which the withdrawn products are maintained substantially quiescent and in which unfused residue and aqueous medium separate from the molten sulphur, withdrawing molten sulphur from the bottom of the separation chamber, withdrawing aqueous medium and unfused residue from the top of the chamber, withdrawing a middling product containing molten sulphur about from the interface of the molten sulphur and the aqueous medium, and returning the middling product to maintain an adequate body of molten sulphur in the melting chamber.

### 2,121,545
### ART OF REFINING EDIBLE OILS, FATS AND ANALOGOUS PRODUCTS

**Vaman R. Kekatnur and Oliver S. Plantinga, New York, N. Y., assignors to Autoxygen Inc., New York, N. Y., a corporation of New York**
**No Drawing. Application June 20, 1935, Serial No. 27,698. Renewed November 22, 1937**
**16 Claims. (Cl. 87—12)**

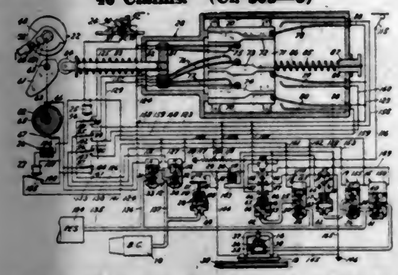
1. A process of refining oils, fats or waxes, which includes the steps of reacting material to be treated with organic peroxide at a temperature substantially less than 100° C. and in the presence of a precipitant for mucilaginous material said material and said precipitant being of the type for which the peroxide acts as a catalyst in facilitating precipitation.

10. A process of refining corn oil, said refining process including reacting peroxide with the oil

at a temperature well below pyrogenic decomposition temperature of the peroxide, said process also including the introduction of an agent serving as a precipitant for mucilaginous material and a neutralizer of free acids.

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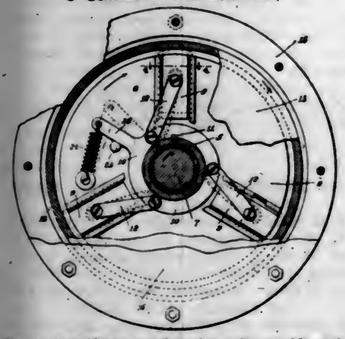
2,121,546
**BRAKE CONTROL APPARATUS**
John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 1, 1936, Serial No. 61,963
46 Claims. (Cl. 303—3)



1. In a vehicle brake system, in combination, magnetic track brake means, a manually operated control element for controlling application of said brake means, means responsive to movement of said element to any position in a chosen application zone for effecting to one degree an application of said brake means, and means governed by the degree of movement of said element into said application zone for determining the initial rate of application of said brake means, regardless of the degree of application.

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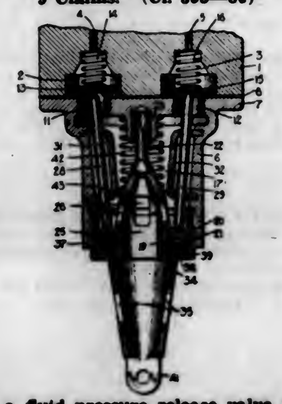
2,121,547
**STARTER CLUTCH FOR INTERNAL COMBUSTION ENGINES**
Lawrence S. Love, Great Neck, N. Y.
Application March 8, 1933, Serial No. 659,997
Renewed November 9, 1937
3 Claims. (Cl. 192—42)



1. In a starting mechanism for internal combustion engines an engine crankshaft, an annular driving rig fixed thereto, a sleeve freely mounted on said shaft, a friction block guide member freely mounted on said sleeve, a collar fixed on said sleeve, three equally spaced radially movable friction blocks guided on ways formed on the said block guide member and linked to the said collar and adapted to be expanded to contact the driving ring in one direction of rotation and retracted in the other, spring means to return the said friction blocks to a stopped normally disengaged position; and means to rotate the said sleeve when starting.

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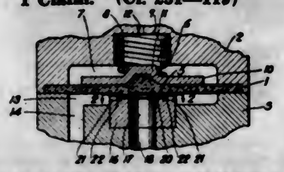
2,121,548
**RESERVOIR RELEASE VALVE**
Ewing K. Lynn and Walter S. Abraham, East McKeesport, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 23, 1937, Serial No. 132,479
9 Claims. (Cl. 303—80)



1. In a fluid pressure release valve device, in combination, a casing having a fluid pressure discharge orifice, valve means mounted in said casing and operative to vent fluid under pressure through said orifice, operating means slidably mounted in said casing and adapted to operate said valve means, and a tiltable hollow member provided with one or more apertures and having one end supported in rocking engagement with the portion of said casing adjacent said orifice and in operative engagement with said operating means, said hollow member being operable to actuate said operating means and thereby said valve means for causing fluid under pressure to be vented through the discharge orifice and the apertures in said member.

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2,121,549
**DIAPHRAGM VALVE**
Donald L. McNeal, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 18, 1936, Serial No. 59,698
1 Claim. (Cl. 251—119)

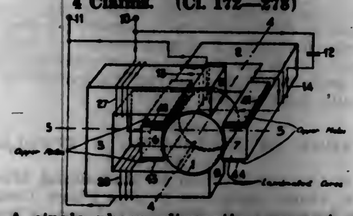


A diaphragm valve device comprising a casing, a flexible diaphragm mounted in the casing, said diaphragm having a centrally disposed boss portion formed on one side and an annular seat bead carried on the other side concentrically of said boss portion, a rigid follower member engaging said diaphragm and having a central recess for receiving said boss portion, an annular seat associated with said casing and engageable by the seat bead, and an annular, segmented shoulder surrounding the seat and disposed opposite a portion of the diaphragm outwardly of the boss portion, said segmented shoulder being spaced from said diaphragm upon initial engagement of the seat bead with said seat, and engageable by said diaphragm when the seat bead is distorted under pressure applied to said diaphragm through the medium of the follower member, whereby the pressure on said diaphragm is distributed for limiting the extent of distortion thereof in the region of the boss portion.



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2,121,550
**INDUCTION MOTOR**
Alexander Nyman, Weehawken, N. J.
Application February 4, 1935, Serial No. 4,821
In Switzerland February 4, 1934
4 Claims. (Cl. 172—278)



1. A single phase alternating current rotary motor comprising a driving core structure having two magnetically distinct peripherally mounted core members, energizing windings on said core members for producing magnetic fluxes, and a driven core structure having a plurality of winding sections connected to carry currents induced by said driving core structure, one of said driving core members being embraced by the other driving core member and proportioned to constitute a leakage path for the flux induced in said other core member by its energizing windings for producing in said driving core members phase displaced driving fluxes under the action of currents from a single phase source supplied to said energizing windings.

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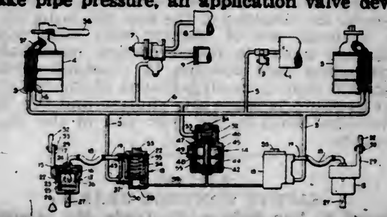
2,121,551
**PREPARATION OF DINITRILES**
George Wayne Rigby, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 2, 1936, Serial No. 113,823
25 Claims. (Cl. 260—99.30)

3. The process for the production of aliphatic dinitriles containing at least three carbon atoms, which comprises heating a mixture of a diamide of an aliphatic dicarboxylic acid having at least three carbon atoms and an anhydride of a volatile aliphatic monocarboxylic acid to a temperature within the range of 150° to 300° C.

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2,121,552
**TRIP CONTROLLED BRAKE**
Roy R. Stevens, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 4, 1936, Serial No. 99,444
4 Claims. (Cl. 246—190)

1. In a fluid pressure brake equipment for a vehicle, in combination, a brake pipe normally charged with fluid under pressure, a fluid pressure supply pipe, means operated upon a sudden reduction in brake pipe pressure for effecting an emergency application of the brakes, an emergency valve device operated upon an increase in fluid pressure for effecting a sudden reduction in brake pipe pressure, an application valve device



operable upon a reduction in fluid pressure for supplying fluid under pressure from said supply pipe to said emergency valve device, and a trip cock adapted to be actuated by means associated with the track on which the vehicle is operated for venting fluid under pressure from said application valve device.

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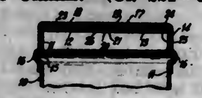
2,121,553
**RESERVOIR RELEASE VALVE DEVICE**
Carlton D. Stewart, Swissvale, and Roy R. Stevens, Forest Hills, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 23, 1937, Serial No. 132,460
5 Claims. (Cl. 303—1)



1. The combination with a fluid pressure release valve device comprising a casing having a discharge aperture, valve means for controlling the release of fluid under pressure through said discharge aperture, and a movable member for actuating said valve means, of means for preventing access of water to said aperture comprising a flexible shield made of resilient material, said shield having one portion fitted on said movable member, and another portion adapted to cooperate with said casing for normally closing said discharge opening and operative upon movement of said member for flexing said shield out of the normal position to open a communication through which fluid under pressure vented through said aperture may flow.

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2,121,554
**CLOSURE FOR RECEPTACLES**
Percy M. Thorn, New Rochelle, N. Y.
Application August 10, 1936, Serial No. 95,102
9 Claims. (Cl. 221—64)



1. A closure for containers and the like comprising a base, a cap rotatable on the base and a

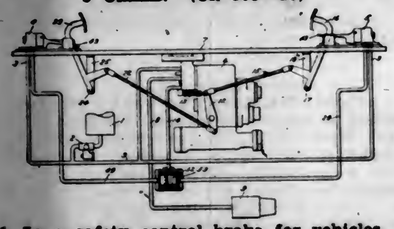
shutter rotatable between the cap and the base about the axis of the cap, a pin upon the cap adapted to engage the shutter, there being openings between the periphery and the center of said cap, said shutter and said base in position to be in registry in one position of the parts, there being lost motion between the pin and the shutter whereby the rotation of the cap will bring all of the openings out of registry with each other, said base having a raised portion immediately surrounding said opening in constant contact with said shutter in all positions of the latter so that pressure between the shutter and the base is localized both in the open and in the closed positions.

2,121,555

## SAFETY CONTROL BRAKE

Edward E. Von Behren, St. Louis, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application October 14, 1936, Serial No. 105,547
9 Claims. (Cl. 303—19)



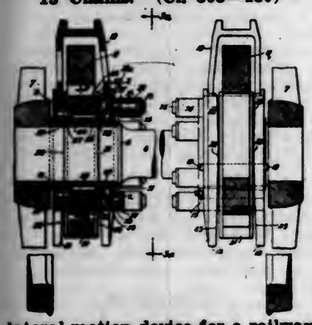
1. In a safety control brake for vehicles, in combination, brake control means at each end of the vehicle for controlling the application and release of the brakes comprising a plurality of independently movable foot controlled levers, and common means for locking the control levers at one end of the car in inoperative position when employing the levers at the other end of the car to control the brakes.

2,121,556

## LATERAL MOTION DEVICE FOR RAILWAY VEHICLE AXLES

George H. Zouck, Orange, N. J., assignor to Franklin Railway Supply Company, New York, N. Y., a corporation of Delaware

Application February 9, 1935, Serial No. 5,750
13 Claims. (Cl. 308—180)



1. A lateral motion device for a railway vehicle axle including in combination with the frame of the vehicle, an axle box having flanges for embracing the frame so as to permit the box to have vertical movement but adapted to restrain the box as against transverse or lateral movement with respect to the frame, said flanges, however, being of contour such as to permit rocking movement of the box upon a longitudinal horizontal axis, an anti-friction bearing having an inner race which moves laterally with the axle within the box and an outer race which is fixed in the box, an annular, self-contained laterally movable anti-friction bearing surrounding the axle and adapted to receive the thrust of said movable race, and means for yieldingly resisting the movement of said laterally movable thrust bearing.

2,121,557

## CEMENT AND PROCESS OF MAKING THE SAME

Malvin A. Baernstein, St. Louis, Mo., assignor to National Pigments and Chemical Company, St. Louis, Mo., a corporation of Missouri

No Drawing. Application March 6, 1933, Serial No. 659,903
14 Claims. (Cl. 106—25)

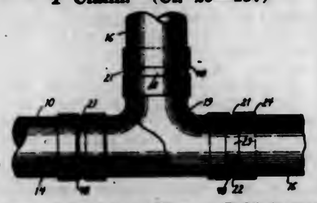
1. In the art of making cement the process comprising, mixing Portland cement forming ingredients including a preponderance of calcareous material in the desired proportions, adding a small percentage of a barium compound to the mix, and burning the mix.

2,121,558

## METHOD OF INSTALLING A TUBULAR SYSTEM

John S. Coe and William M. Mulholland, Waterbury, Conn., assignors to The Chase Companies, Incorporated, Waterbury, Conn., a corporation of Connecticut

Application June 3, 1936, Serial No. 83,198
1 Claim. (Cl. 29—157)



The method of installing a fluid-transmitting tubular system, comprising: telescopically interfitting an unthreaded malleable-metal fitting-member and an unthreaded malleable-metal tube-member; then pressing inwardly by circumferential roller action an outer circumferential portion of the outer of the two said telescopically-interfitting members to concurrently form an outer circumferential groove and an inward circumferential projection on both of the said members to lock the same against axial separation; and then, at substantially the completion of the said inward-pressing interlocking action, pressing inwardly upon the outer surface of the outer of the two said telescopically-interfitted members at a point displaced axially with respect to the said circumferential grooves on the said members, to form a separate gauge-mark of distinctly-different character from the adjacent circumferential groove on the surface of the said outer member.

2,121,559

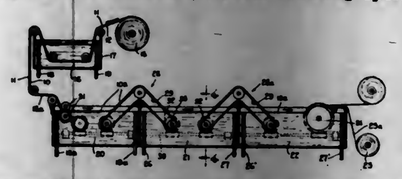
## METHOD OF MAKING GOLD LEAF AND PRODUCT THEREOF

Frederick Demel, Grantwood, N. J.

Application June 15, 1936, Serial No. 85,351
9 Claims. (Cl. 29—18)

1. The method of continuously producing gold in leaf form, which comprises subjecting a strip of gold of an indefinite length continuously intermediate opposing strips of copper of indefinite lengths to continuous thickness reducing operation under pressure, to attain the desired thickness of the leaf, then wholly removing the copper from one face of the gold, and removing the copper from the opposing face of the gold while recovering the gold in leaf form.



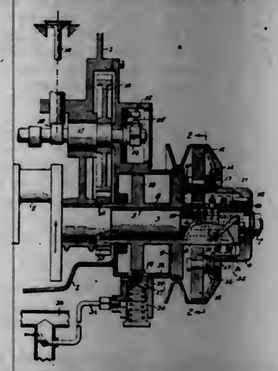


2,121,560

## VARIABLE TIMING DEVICE

Herbert L. Duncan, Highland Park, Mich., assignor of one-half to Lewis P. Threlkeld, Detroit, Mich.

Application August 19, 1935, Serial No. 36,782
18 Claims. (Cl. 123—90)



1. In an internal combustion engine, the combination with valves and valve actuating means therefor, of means for varying the timing of said valves according to the speed of and load on the engine, the timing control responsive to speed being constantly active, activity of the load control being intermittent and dependent upon pressure conditions in the intake manifold.

2,121,561

## HANDKERCHIEF POCKETBOOK ENSEMBLE

Sally English, New York, N. Y.

Application August 17, 1937, Serial No. 159,482
7 Claims. (Cl. 132—78.5)

1. A handkerchief-pocketbook ensemble including, a textile handkerchief having a slit at approximately the center thereof and extending diagonally to the warp and woof threads thereof, a pocketbook member of soft, flexible material, said pocketbook member having a bag or containing portion and a mouth portion, said mouth portion being secured to one side face of the handkerchief along the side edges of said slit, means for closing said slit and the mouth of said pocket member, loop means attached to the pocketbook member substantially at the center of the handkerchief for carrying said ensemble whereby the handkerchief will drape naturally and gracefully over said pocketbook member



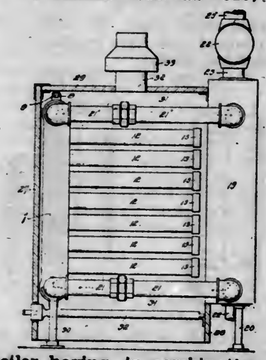
when the ensemble is transported by said carrying means.

2,121,562

## BOILER

Pinkney P. Fraser, Memphis, Tenn., assignor of one-half to Oliver E. Fraser, Hermondale, Mo.

Application July 26, 1937, Serial No. 155,753
4 Claims. (Cl. 122—316)



1. A boiler having, in combination, a casing, a reservoir having a liquid inlet forming one wall of the casing, a vertically disposed manifold within the casing adjacent the opposite wall of the casing, a plurality of horizontally disposed vertically aligned metal water tubes connected to and projecting from said manifold toward the reservoir, closures for the free ends of said tubes, shelves formed interiorly of the manifold, sheet metal strips of the width of the interior diameter of the tubes connected at one end to said shelves and dividing each tube into two liquid passages connected adjacent the closures on said tubes, and together with the shelves dividing the manifold into a plurality of vertically aligned water chambers, a tubular connection between the lower end of the reservoir and the lower end of the manifold, and a tubular connection between the upper end of the manifold and the upper end of the reservoir, and a steam or hot water outlet at the upper end of the reservoir.

2,121,563

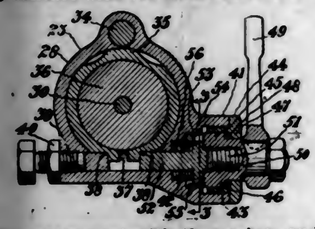
## BRAKING DEVICE

George H. Fuehrer, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application August 14, 1936, Serial No. 95,961
3 Claims. (Cl. 188—77)

1. A braking device, comprising a casing, a brake band therein, extensible means for impart-

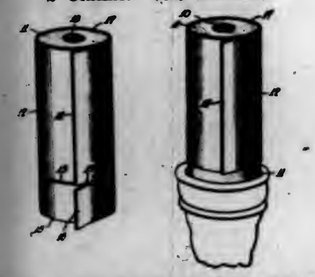
ing braking action to the brake comprising a rotary member and a non-rotary member in engaging contact with the brake band and being in



slidable engagement with the casing, and means for effecting movement of the non-rotary member longitudinally of the rotary member upon rotation of the rotary member.

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**2,121,564**
**FROZEN COMESTIBLE PACKAGE**
**Albert E. Herren, Cleveland, Ohio, assignor, by mesne assignments, to The Girdler Corporation, Louisville, Ky., a corporation of Delaware**
**Original application May 16, 1935, Serial No. 21,757. Divided and this application July 16, 1936, Serial No. 90,924**
**2 Claims. (Cl. 99—180)**

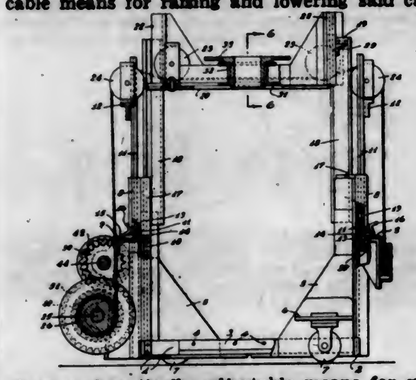


1. As a new article of manufacture, a substantially cylindrical bar of ice cream or the like, and a wrapper encircling said bar and formed of a substantially rectangular sheet of a length substantially equal to the length of said bar and of a width slightly greater than the circumference of said bar, whereby the edges of the wrapper loosely overlap to present a longitudinally extending flap, said wrapper having a pair of slits extending inwardly from opposite edges of the sheet and in a circumferential direction in respect to said bar and adjacent to but spaced from one end of the latter, whereby the article may be grasped in one hand during the removal of a minor portion of the wrapper by pulling on one section of the flap to tear the wrapper from one slit to the other to expose an end portion of the bar, and thereafter the bar may be supported in a cone during the peeling off of the remaining portion of the wrapper.

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**2,121,565**
**HOISTING APPARATUS**
**William W. Latimer, Detroit, Mich.**
**Application October 6, 1936, Serial No. 104,257**
**6 Claims. (Cl. 254—144)**

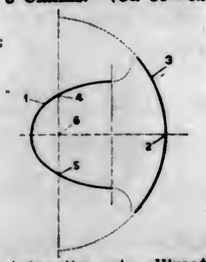
1. A device of the character described comprising vertical guides, said guides being extensible as to length, a carriage mounted on said guides for sliding movement vertically thereon, cable means for raising and lowering said car-



riage, and vertically adjustable means for supporting said cable means.

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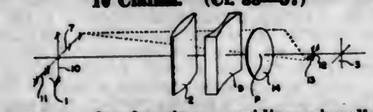
**2,121,566**
**HIGH INTENSITY REFLECTOR**
**Gustave Leray, Paris, France, assignor, by mesne assignments, to Otto R. Barnett, Chicago, Ill.**
**Application March 1, 1933, Serial No. 659,219**
**In France March 4, 1932**
**8 Claims. (Cl. 88—82)**



5. A high intensity autocollimator comprising a refracting surface and, a reflecting surface, each of which is in the form of a surface of revolution and having the same axis of revolution, a meridian of the device showing the refracting surface to be of prolate elliptical curvature and the reflecting surface to be of oblate elliptical curvature, the major axes of the refracting and reflecting elliptical surfaces being angularly related.

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**2,121,567**
**AFOCAL OPPOSED PLANE CYLINDRICAL ANAMORPHOSERS**
**Harry Sidney Newcomer, New York, N. Y.**
**Application December 7, 1936, Serial No. 114,555**
**10 Claims. (Cl. 88—57)**



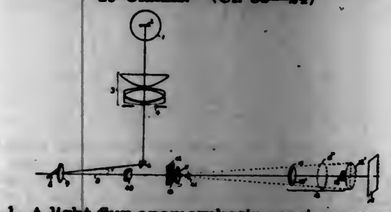
1. Means for forming a unidimensionally enlarged virtual image, free of axial astigmatism, of an object in the plane of the object, comprising a positive and a negative cylindrical lens member spaced from each other and placed in front of the object plane, the cylindrical members



having their generatrices all parallel, the positive member being positioned nearer the said object plane and at a distance therefrom greater than its back focal length thereby to image the said object plane in a conjugate plane situated to its opposite side, the negative member being positioned back of said conjugate plane and at a distance from the said object plane which is substantially greater than its back focal length and having back and front conjugate focal distances equal to the distances of the said object plane and the said conjugate plane respectively, thus reimaging the said conjugate plane in the said object plane, substantially as described.

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**2,121,568**
**ANAMORPHOSING LIGHT FLUX SYSTEM**
**Harry Sidney Newcomer, New York, N. Y.**
**Application August 13, 1935, Serial No. 35,952**
**19 Claims. (Cl. 88—24)**



1. A light flux anamorphosing system comprising a source of light, a light gate having an opening which is restricted in one meridian, and a positive and a negative cylindrical lens each with its axis perpendicular to said meridian, all these elements situated symmetrically on the axis of the system, in which the positive lens is positioned between the light source and the gate and has a conjugate focal length with respect to the light source greater than the distance of the lens from the gate, the negative lens being positioned to the other side of the positive lens from the light source and near the light gate and having a focal length such that the conjugate focal points of the positive cylindrical lens first mentioned are also substantially conjugate focal points of the negative cylindrical lens.

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**2,121,569**
**ELECTRIC SWITCH**
**Johann G. Petersen, West Hartford, Conn.**
**Application May 2, 1934, Serial No. 723,718**
**15 Claims. (Cl. 200—11)**



2. In an electric switch, a pivoted actuating lever, snap actuating means actuated thereby comprising cooperating resilient and swinging cam elements both disposed externally of the confines of said lever and between the pivot for said lever and the free end of said lever, and contact means comprising a series of stationary contacts and a pair of cooperating movable contacts movable relative to said lever and actuated in unison by said snap actuating means and disposed between the latter and the free end of said lever.

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**2,121,570**
**ELECTRIC SWITCH**
**Johann G. Petersen, West Hartford, Conn.**
**Application November 3, 1934, Serial No. 751,995**
**25 Claims. (Cl. 200—70)**

2. An electric switch having movable contact mechanism, cooperating releasable mechanism for holding said contact mechanism in its different positions, and actuating mechanism including an actuating member movable in reverse directions, a single spring, and means operable



when said actuating member is moved in reverse directions for tensioning and releasing said spring to actuate the movable contact mechanism therefrom and compressing and releasing said spring to actuate said holding mechanism therefrom.

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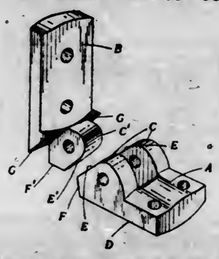
**2,121,571**
**ELECTRIC SWITCH**
**Johann G. Petersen, West Hartford, Conn.**
**Application October 24, 1935, Serial No. 46,547**
**11 Claims. (Cl. 200—70)**



1. In an electric switch, movable contact actuating mechanism having a swinging actuating cam, releasable holding mechanism including oppositely located holding notches and a swinging holding member actuated by said actuating cam and movable into and out of notches at opposite sides of its axis in each holding position, spring means for normally holding said member in said notches, and means for inhibiting release of said holding member from any notch in advance of release from the opposite notch.

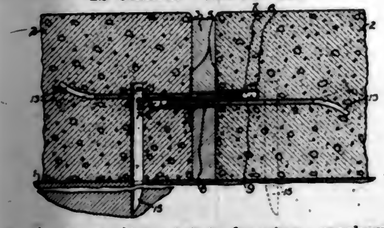
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**2,121,572**
**SPECTACLE FRAME JOINT**
**Reginald Ernest Polden, Tolworth, and William Charles Hawkings, Hook, Surbiton, England, assignors to R. E. Polden Limited, London, England**
**Application July 13, 1937, Serial No. 153,806**
**In Great Britain October 8, 1935**
**2 Claims. (Cl. 88—53)**



1. A spectacle hinge joint comprising a pair of plates, said plates having knuckles and a hinge pin connecting said knuckles, one of the plates having an abuttable surface to engage a matching abuttable surface of a hinge knuckle of the other plate, the outermost surfaces of each plate and the respective knuckle being in a common plane, each knuckle having an angular end, and the angular ends of the knuckles of each plate aligning with the common plane of the other plate when the hinge is open.

2,121,573
## EXPANSION JOINT
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago Heights, Ill., a corporation of Illinois
Application November 21, 1936, Serial No. 111,974
12 Claims. (Cl. 94—18)

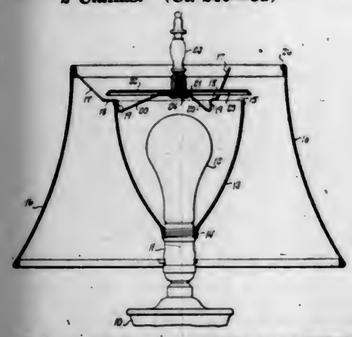


1. An expansion joint forming mechanism comprising a preformed plastic filler board having spaced openings therein, double looped load transmission units projecting from opposite sides into interfitting relation with one another through the openings of the filler board, and anchoring dowel members projecting in opposite direction through the filler board and anchored in the double looped portion of the load transmitting units.

2,121,574
## ART OF COATING ZINC
Gerald C. Romig, Elkins Park, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware
No Drawing. Application November 30, 1936, Serial No. 113,363
9 Claims. (Cl. 148—6)

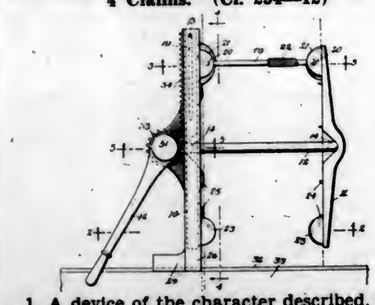
1. A solution for coating zinc or its alloys comprising the anions of phosphoric and nitric acids and the cations of zinc and of a metal from the group consisting of nickel and cobalt.

2,121,575
## LIGHTING FIXTURE
Richard W. Shoemaker, Woodbury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut
Application July 22, 1937, Serial No. 154,945
2 Claims. (Cl. 240—81)



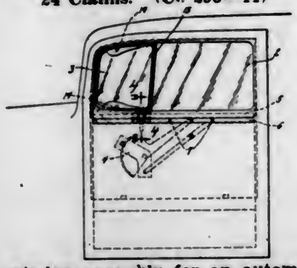
1. A lighting fixture comprising: an upwardly-open translucent bowl adapted to contain a source of light; a frame adapted to rest upon the open top edge of said bowl; a shade open at the top and surrounding and extending above and secured to said frame and surrounding and extending above said bowl; and an opaque shield having a light-reflecting surface on its under-face to reflect light downward, and carried by said frame and extending across and located over the top of said bowl and well below the top of said shade.

2,121,576
## CLAMP
Guillermo Solomon, Santiago, Dominican Republic, West Indies
Application September 1, 1937, Serial No. 161,918
4 Claims. (Cl. 254—12)



1. A device of the character described, including a pair of normally parallel clamping bars, a link pivotally connecting said bars, a plunger mounted to move longitudinally on one of the bars and adapted at its end to engage a member, a lever pivotally mounted on the bar carrying the plunger, a gear wheel turned by the lever, and a rack on the plunger meshing with the gear wheel, a ratchet disk operatively connecting the gear wheel and holding same against retrograde movement, ratchet teeth between the lever and the gear wheel, and manually operated means adapted to move the ratchet disk and release the gear wheel.

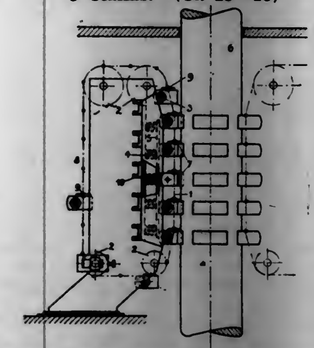
2,121,577
## WINDOW ASSEMBLY FOR AUTOMOTIVE VEHICLES
Harold E. Van Voorhees, Windsor, Ontario, Canada, assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 12, 1932, Serial No. 637,484
24 Claims. (Cl. 296—44)



2. A window assembly for an automotive vehicle having a window-opening and a window well comprising in combination a slidable panel arranged to be raised from, and lowered into, the window well to close and open a portion of the window-opening and a swingable panel for closing the remaining portion of the window-opening, and means for optionally connecting the swingable panel to the slidable panel in the same position the one panel occupies relative to the other when in window-opening closing position whereby the two panels may be lowered into the window well as a unit and in the same relative position.

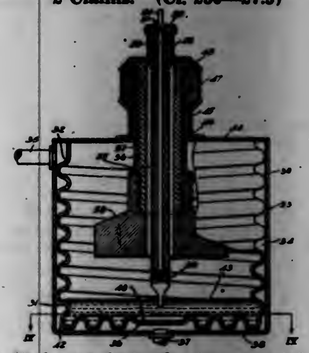


2,121,578
## MEANS FOR ADJUSTING THE ELECTRODES OF ELECTRIC FURNACES
Ernst Winter, Cologne-Braunsfeld, and Franz Lückerath, Hermulheim, Kreis Cologne-on-the-Rhine, Germany, assignors to Aktiengesellschaft für Stickstoffdünger, Knapsack, near Cologne-on-the-Rhine, Germany
Application July 16, 1937, Serial No. 154,019
In Germany December 20, 1934
9 Claims. (Cl. 13—16)



1. Means for adjusting the electrodes of electric furnaces which comprises at least one chain movable substantially in a direction parallel to the axis of the electrode, guiding means adapted to maintain the chain at the side of the electrode at a determined constant height, clamping contact plates carried by the chain, means for strongly pressing said plates against the electrode where the chain is guided at said fixed height along the electrode, and means located nearly at the same height as the guided part of the chain and nearly at opposite sides of the electrode which means exert a counterpressure against the electrode being pressed from the other side by the clamping contact plates so that the electrode is held in any desired position while it is maintained electrically connected to the supply network.

2,121,579
## WATER JACKET
Walter E. Bahls, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 7, 1937, Serial No. 135,487.
2 Claims. (Cl. 250—27.5)

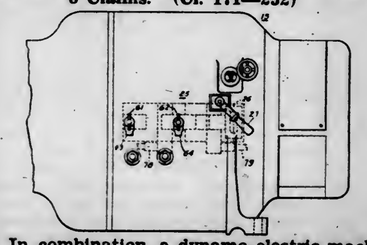


1. A discharge device having a metal member as an electrode structure, and a water jacket comprising a metal member adapted to slip over and enclose said electrode structure, one of said metal members having helical corrugations on its bottom and side walls directing a cooling medium in a helical path about said electrode structure.

2,121,580
## HYDROGENATION OF OITICICA OIL AND PRODUCT THEREFROM
Julius F. T. Berliner and Caryl Sly, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 11, 1937, Serial No. 158,538
15 Claims. (Cl. 260—106)

2. The process which comprises reacting oiticica oil with hydrogen in the presence of a hydrogenation catalyst at a temperature between 50° and 150° C. so as to form the glyceride of 4-keto stearic acid, increasing the temperature to within the range of 125° to 200° C., and continuing the hydrogenation so as to form a glyceride of 4-hydroxy stearic acid, further increasing the temperature to within the range of 200° to 400° C. and continuing the hydrogenation so as to form 1,4-octadecanediol and stearyl alcohol.

2,121,581
## REVERSING SWITCH FOR DYNAMO-ELECTRIC MACHINES
John H. Blankenbuehler, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 15, 1935, Serial No. 26,872
8 Claims. (Cl. 171—252)



1. In combination, a dynamo-electric machine having a frame structure, terminal connections for the machine projecting through said frame, and a reversing switch mounted inside of said frame upon the terminal connections and operable to reverse the polarity of said terminal connections.

2,121,582
## THERMOSTAT
Edward Bletz, Lexington, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 5, 1936, Serial No. 99,619
2 Claims. (Cl. 200—139)

1. In a thermostat, a base plate, a thermally responsive disc adjustably mounted on the base plate at one face thereof, a carrier on the other side of said base plate from said disc, means secured to said disc near the periphery thereof and mechanically securing it to the carrier, conductive members separated by gaps and insulated from, but secured to, the base plate on the face

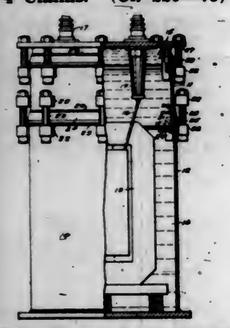
toward the carrier and forming an outline having adjacent ends, leads united to the end ones of said conductive members, bridging pieces, one for each of the gaps, except the gap separating said end conductive members, said bridging pieces being mounted on, but insulated from, the carrier, the mounting of said disc including



means for moving the center thereof to vary its distance from the base plate whereby with the bridging pieces in contact with the conductive members, adjustment of the mounting of the disc will vary the pressure of the bridging members against the conductive members and also the configuration of the disc.

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**2,121,583**
**TRANSFORMER TANK STRUCTURE**
**Roy L. Brown, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania**
**Application February 8, 1935, Serial No. 5,572**
**4 Claims. (Cl. 220—75)**

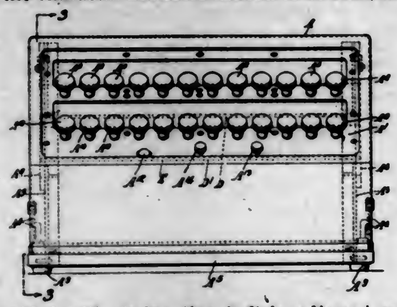


1. In a transformer tank structure, a case, the case comprising upper and lower sections having a joint therebetween, a stop carried by the lower section for receiving the upper section, a metal band of substantial width covering the joint between the upper and lower case sections and welded adjacent the upper and lower margins thereof to the case sections for sealing the joint, the metal band being sufficiently flexible to permit slight relative lateral movements of the upper and lower case sections when welded thereto.

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**2,121,584**
**ELECTRICAL SET-UP MECHANISM**
**Chauncey L. Calkins, Chicago, Ill., assignor to Lothar A. Ederer, Chicago, Ill.**
**Application March 16, 1934, Serial No. 715,905**
**3 Claims. (Cl. 177—380)**

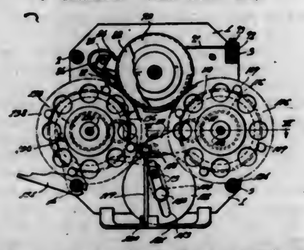
1. In combination in a message sending apparatus, a plurality of manually adjustable switches, each comprising a rotary member, a handle for rotating it, and a character member, a housing for said switches, shaped to provide an opening dimensioned to expose all of said character members, and a removable indicating card, removably positioned within said opening, said indicator card provided with individual openings, one for each of the character members desired to be seen, and



provided with designating indicia adjacent said openings.

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**2,121,585**
**TIME SWITCH**
**Frank Conrad, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania**
**Application October 15, 1935, Serial No. 45,043**
**7 Claims. (Cl. 200—36)**



1. In an astronomical time switch, a clock mechanism for indicating the time of the year including a shaft and means for rotating the shaft on its axis only once each year, a switch, means responsive to operation of the clock mechanism for closing the switch and for opening the switch each day, means for setting the switch to be closed at a predetermined time each day relative to the time of sunset on that day, a cam disk provided with a slot, means fixing the cam disk on the shaft with the shaft extending through the slot to cause the cam disk to be rotated once each year by the rotation of the shaft, means for adjusting the position of the cam disk on the shaft in accordance with the latitude in which the time switch is to be used, a lever, means for biasing the lever against the outer periphery of the cam disk and means responsive to operation of the lever by the rotation of the cam disk for controlling the operation of the switch in accordance with the seasons of the year.

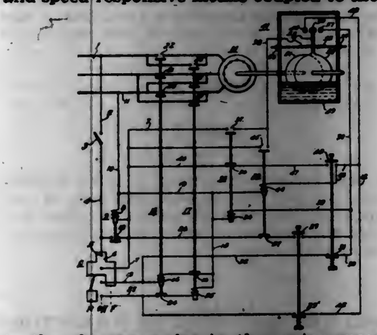
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**2,121,586**
**MOTOR CONTROL SYSTEM**
**Nelson D. Cooper, Mariemont, Cincinnati, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania**
**Application September 29, 1936, Serial No. 103,146**
**11 Claims. (Cl. 172—179)**

1. In a system of control for an electric motor, the combination of, a source of electrical energy,



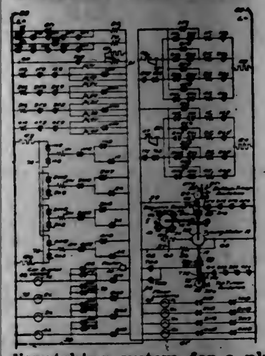
a motor, means for connecting the motor to said source of energy, and manually operable means and speed responsive means coupled to the motor



to thus be responsive to the motor speed, both adapted to selectively control the means for connecting the motor to said source of energy.

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**2,121,587**
**ELEVATOR DISPATCHING SYSTEM**
**William F. Eames, Pittsburgh, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois**
**Application September 13, 1935, Serial No. 40,387**
**32 Claims. (Cl. 177—336)**

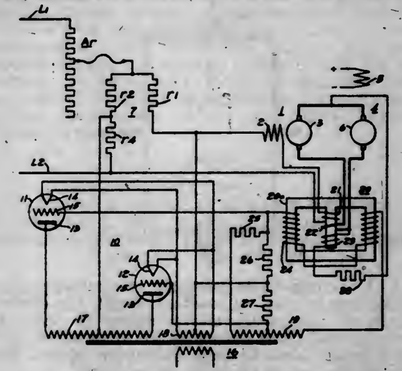


1. In a dispatching system for a plurality of cars operating from a dispatching terminal, a continuously operating timing motor, a timing switch, a signal device for each of said cars, and control means for individually rendering each of said signal devices subject to control by said timing switch, said control means including clutch means for connecting the timing switch to the timing motor to effect delayed operation of the timing switch, sequence means operated by said timing motor for selecting the next car to receive a signal, and individual means for each car operable when the corresponding car is in a region adjacent said dispatching terminal for rendering the sequence means effective to select the corresponding car.

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**2,121,588**
**MOTOR CONTROL SYSTEM**
**William F. Eames, Edgewood, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois**
**Application January 16, 1937, Serial No. 120,919**
**17 Claims. (Cl. 172—239)**

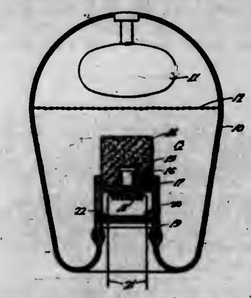
17. In a direct-current motor control system, a first dynamo-electric machine having an armature; a second dynamo-electric machine having an armature serially connected with said first-mentioned armature and having a field winding, one of said machines being driven at substantially constant speed with variable excitation and the other of said machines being operated as a motor at variable speed; and electronic regulating apparatus for controlling an operating characteristic of one of said dynamo-electric



machines, said regulating apparatus including principal electrodes and an electroresponsive element effective to vary the voltage between said principal electrodes; and conducting means connecting said field winding and said electroresponsive element to said principal electrodes in a self-exciting circuit, said self-exciting circuit having a total resistance substantially equal in ohms to the number of volts produced between said principal electrodes for each ampere of current in said electroresponsive element.

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**2,121,589**
**EMISSIVE INCANDESCENT CATHODE**
**Werner Espe, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania**
**Application May 1, 1935, Serial No. 19,233**
**In Germany June 28, 1934**
**2 Claims. (Cl. 250—27.5)**



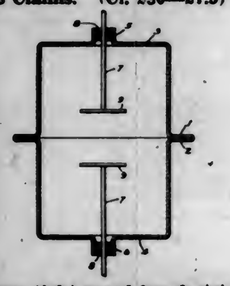
1. A cathode structure comprising a mass of sintered tungsten particles having pores therein, portions of the surface of said pores being coated with an oxide of said metal and an electron emitting substance on said oxide and a pocket in said mass having a reservoir of said electron emitting substance.

2,121,590

## VACUUM- AND GAS-TIGHT VESSEL FOR ELECTRIC APPARATUS

Werner Espe, Berlin-Siemensstadt, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany

Application April 2, 1937, Serial No. 134,549
In Germany April 9, 1936
3 Claims. (Cl. 250—27.5)



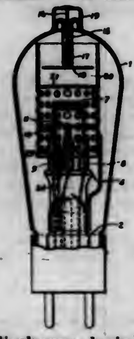
1. A vacuum-tight vessel for electric apparatus consisting in part at least of metal, for electric discharge apparatus, characterized in that the metallic wall parts consist of an alloy which contains besides iron 10–30% chromium, ½–5% molybdenum and up to about 1% silicon.

2,121,591

## GRID GLOW TUBE WITH ZERO TEMPERATURE EFFECT

Ross K. Gessford and Dewey D. Knowles, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 10, 1936, Serial No. 58,526
7 Claims. (Cl. 250—27.5)



7. In a gas discharge device, an envelope, an anode, a cathode, and a conductive member surrounding said anode and cathode and having a perforate portion transverse to the region between them, said member being foraminate throughout the portion nearest the cathode and imperforate near the anode, the imperforate portion extending beyond the anode into close proximity to the envelope.

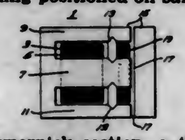
2,121,592

## CONSTANT REGULATION TRANSFORMER

John Henry Gough, Bethesda, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 13, 1935, Serial No. 54,250
4 Claims. (Cl. 171—119)

1. In combination, a transformer core of magnetizable material having a section thereof of Hypernick said section being so positioned as to shunt an adjacent section having a higher saturation point than Hypernick, a primary and secondary winding positioned on said core to one



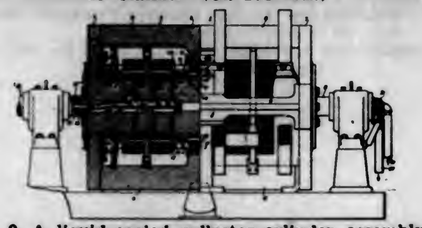
side of said Hypernick section, a third winding positioned on said core to the other side of said Hypernick section, said secondary winding and said third winding being connected in series opposition to each other.

2,121,593

## COOLING AND MOUNTING OF COLLECTORS FOR UNIPOLAR GENERATORS

Floyd T. Hague, Pittsburgh, and Frederick R. J. Davis, Irwin, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 14, 1935, Serial No. 54,516
15 Claims. (Cl. 171—212)



9. A liquid-cooled collector-cylinder assembly particularly adapted for unipolar generators of low voltage and high current-capacity, comprising the combination, with the collector-cylinder, of a shaft on which said cylinder is mounted, said shaft having a central bore therein, an insulating band disposed between said cylinder and said shaft at each end of the cylinder, means for firmly anchoring one end of the cylinder on its insulating band on the shaft, means for so supporting the other end of the cylinder on its insulating band as to have substantial freedom of axial movement due to thermal expansions and contractions of the cylinder, the peripheral surface of said shaft being spaced from the inner bore of the cylinder between said insulating bands, defining an annular space for liquid-cooling, a yieldable insulating ring making a liquid-tight joint at each end of said annular space, and means communicating with said central bore for circulating a cooling-liquid in said annular space.

2,121,594

## NETWORK DISTRIBUTION SYSTEM

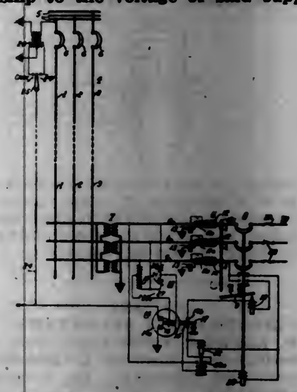
George O. Harrison, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 31, 1937, Serial No. 156,776
21 Claims. (Cl. 171—118)

21. An alternating current network system of distribution comprising a supply bus located at a supply station, a feeder circuit comprising three phase conductors, a feeder circuit breaker at said supply station for connecting said feeder circuit to said supply bus, a network load circuit, polyphase transformer means for supplying power



from said feeder circuit to said network load circuit, a network circuit breaker for controlling the power flow through said transformer means, means providing a communication channel from said supply station to said network circuit breaker, means for selectively impressing a repeated closing signal upon said communication channel, said closing signal having a predetermined fixed time relationship to the voltage of said supply bus,



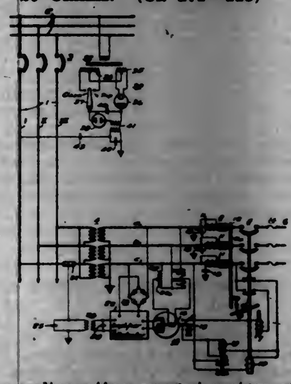
closing means for said network circuit breaker, said closing means being responsive to the transmitted closing signal and the phase voltages appearing at the transformer end of said feeder circuit when said feeder circuit breaker is closed, for effecting closure of said network circuit breaker when a normal time relationship exists and for preventing closure of said network circuit breaker when any of said phase conductors are transposed.

2,121,595

## NETWORK DISTRIBUTION SYSTEM

George O. Harrison, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 31, 1937, Serial No. 156,777
20 Claims. (Cl. 171—118)



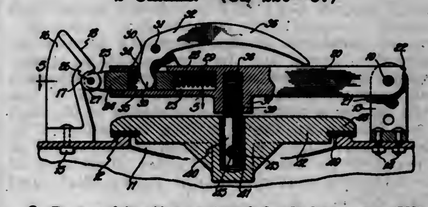
20. In an alternating-current system of transmission and distribution, an alternating-current power circuit, an alternating-current power source for energizing said circuit, a circuit breaker included in said circuit, means for superimposing modulated carrier frequency energy upon said circuit, said carrier frequency energy having modulations of the same frequency as said power source, means for controlling the phase relationship of the modulations of said carrier frequency as compared to the voltage of said power source, and control means for said circuit breaker, said control means being responsive to a predetermined phase relationship of the transmitted power frequency voltage of said circuit and the modulations of transmitted carrier energy for effecting closure of said circuit breaker, and responsive to a different phase relationship of said transmitted power frequency voltage and the modulations of transmitted carrier energy for effecting opening of said circuit breaker, said control means including an electronic device for detecting modulations of the transmitted carrier frequency energy.

2,121,596

## SAFETY CLOSURE FOR TANK TRUCKS

Charles L. Hill, North Plainfield, N. J.

Application February 14, 1936, Serial No. 63,849
2 Claims. (Cl. 220—57)



2. In combination, a truck body having a filling opening in the top thereof, a seat surrounding said filling opening, a cover member, an arm having one end pivotally connected to said tank forward of said opening, a coupling stud having one end threaded into said arm from the underside thereof, a socket provided in said cover and opening onto the top thereof and freely receiving the opposite end of said stud, a connecting pin extending transversely through the walls of said socket and freely through a transversely disposed opening in said stud to provide a flexible connection between said stud and cover member to assure positive seating of said cover member upon said seat, releasable latch means for preventing swinging movement of said arm when said cover member is in closed position, and cooperating means between said arm and said tank for holding the cover member open a slight distance beyond the vertical plane away from said filling opening.

2,121,597

## ELECTRODE SUPPORT

Otto Karl, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application November 6, 1937, Serial No. 173,263
In Germany November 30, 1936
8 Claims. (Cl. 250—27.5)



7. The method of constructing electrode structure which comprises aligning metal straps into parallel relation, bringing the ends of the straps

and molten insulating material together in a mold of the desired shape and fusing the straps and material together.

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2,121,598
**METAL CASE RECTIFIER**

Hans Kerschbaum and Werner Espe, Berlin-Siemensstadt, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 28, 1935, Serial No. 28,862
In Germany June 28, 1934
4 Claims. (Cl. 250—27.5)



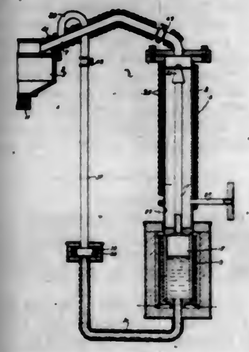
1. An electrical discharge device having an electrode therein and having a metallic vapor therein, said device having a portion of its walls composed of metal, said metal portion of the walls having a thin sheet of material of the iron group having an inner surface not affected by the metallic vapor, a thin intermediate layer of non-porous material, and an outer thick layer of strengthening material for the intermediate and inner layers.

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2,121,599
**VACUUM PUMPING FOR MERCURY RECTIFIERS**

Lee A. Kilgore and Joseph H. Cox, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 3, 1937, Serial No. 162,300
10 Claims. (Cl. 250—27.5)

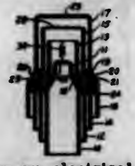


1. The combination with an evacuated vessel of a vacuum pumping system comprising a vapor pump, an auxiliary evaporating means, a conduit connected between said pump and said auxiliary evaporating means, a vaporizable medium in said pump and overflowing into said auxiliary evaporating means and a connection from said auxiliary evaporating means for returning the evaporated vaporizable medium to the evacuated vessel.

2,121,600
**METAL TUBE**

Dewey D. Knowles, Forest Hills, Pa., and Erwin F. Lowry, Batavia, Ill., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 26, 1936, Serial No. 97,977
6 Claims. (Cl. 250—27.5)



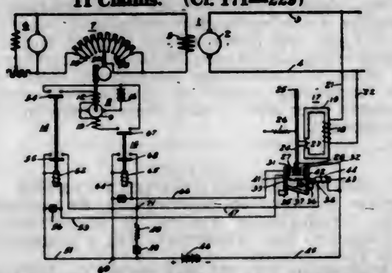
1. A casing for an electrical discharge device consisting of a plurality of metal conical members and insulation therebetween, electrodes within the casing, said metal members acting as the sole connections to said electrodes.

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2,121,601
**REGULATING APPARATUS**

Joseph F. Kovalsky, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 30, 1937, Serial No. 123,239
11 Claims. (Cl. 171—229)



1. In a regulating system, in combination, a control relay having contact means positionally responsive to a quantity to be regulated and contact means cooperatively related thereto, means responsive to the engagement of said cooperating contact means for controlling said regulated quantity, electromagnetically controlled anti-hunting means controlled by engagement of said cooperating contact means for abruptly varying the position of said second named contact means in a direction to separate said contact means, and damping means for permitting a gradual return only of said second named contact means to its initial position.

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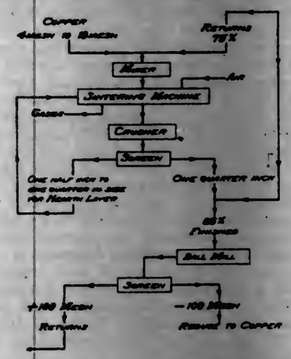
2,121,602
**PROCESS OF MAKING COPPER OXIDES**

Richard L. Lloyd, Great Neck, N. Y., and Reed W. Hyde, Summit, N. J.; Stella Warde Lloyd, executrix of said Richard L. Lloyd, deceased, assignors to Dwight & Lloyd Sintering Company, Inc., New York, N. Y., a corporation of Delaware

Application January 18, 1935, Serial No. 2,330
5 Claims. (Cl. 23—148)

1. A process of oxidizing metallic copper to copper oxide by the action of air, which comprises mixing particles of metallic copper with particles of copper oxide, forming the mixture into a permeable bed, heating a surface of said bed to the fusing temperature of the metal, and passing air through said surface and thence





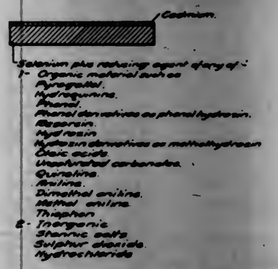
through said bed to oxidize the metallic copper by the oxygen of the air at said fusing temperature without melting said bed to a mass impermeable to said air.

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2,121,603
**METHOD OF PRODUCING SELENIUM RECTIFIERS**

Albert Lotz, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 14, 1937, Serial No. 136,990
In Germany May 30, 1936
2 Claims. (Cl. 175—366)




2. The method of reducing the value of the back current in a selenium rectifier which comprises treating the selenium with any one or more of the following reducing agents: pyrogallol, hydroquinine, phenol, resorcin, hydrazin, oleic acids, unsaturated carbonates, quinoline, aniline, thiophen, stannic salts, sulphur dioxide, and hydroxylamine.

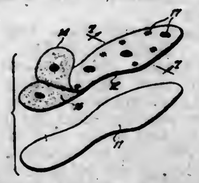
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2,121,604
**FOOT DEODORANT PAD**

Joseph J. Lynch, Upper Montclair, and Richard Semke and Harold J. Wemsley, Jersey City, N. J., assignors to Foot Filter, Inc., Jersey City, N. J., a corporation of New Jersey

Application November 16, 1935, Serial No. 50,090
11 Claims. (Cl. 36—44)

1. A foot deodoriser comprising in combination, a soft flexible pad of shoe sole shape composed of a plurality of sheets of gossamer like cellulose material arranged one upon the other, a sublime deodorant substance distributed between certain of said sheets, quilted portions



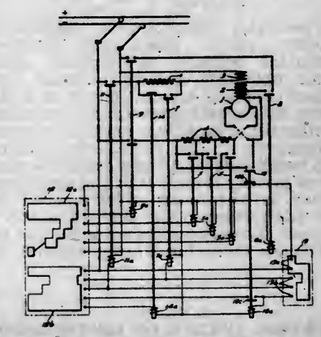
formed at spaced distances over the area of said pad to aid in maintaining the distribution of the deodorant substance, and an outer protective covering enclosing said pad.

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2,121,605
**ELECTRIC TRACTION MOTOR CONTROL SYSTEM**

Paul Lester Mardis and Eric Alton Binney, Ilkley, England, assignors to The English Electric Company Limited, London, England, a company of England

Application April 14, 1937, Serial No. 136,892
In Great Britain May 15, 1936
7 Claims. (Cl. 172—179)

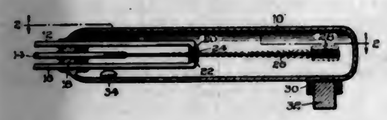


7. Means for controlling an electric traction motor comprising, in combination, a power controller for establishing power operating circuits, a controller independently operable to interrupt power conditions and introduce rheostatic braking irrespective of the position of the power controller, a contactor energized by the braking controller to close the circuit for rheostatically braking the motor, auxiliary contacts on the braking contactor which interrupt certain of the power operating circuits established by the power controller, and additional auxiliary contacts on the braking contactor cooperating with the power controller to complete a circuit in parallel with the braking controller for maintaining the braking contactor energized, said power controller being of the drum type and comprising a set of associated contact fingers of which one is energized through the said interrupting contacts, a set of contacts on the movable drum adapted to make connections between the latter finger and the others of the set, a second set of contact fingers of which one is energized independently of said interrupting contacts, and a second set of drum contacts adapted to make connections between the latter finger and the others of the second set.

2,121,606
**COATING FOR FERROUS ALLOYS**
Leon McCulloch, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 31, 1936, Serial No. 93,743
5 Claims. (Cl. 134—44)

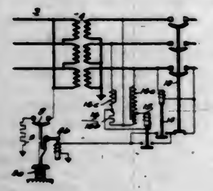
1. A coating for ferrous alloys comprising from 1 to 100 parts by weight of a colloidal aluminum silicate selected from the group consisting of bentonite and kaolin in a solution consisting of about 100 parts by weight of water, from 1 to 10 parts by weight of boric acid and magnesium oxide in an amount ranging from 1% to 100% of the weight of the boric acid.

2,121,607
**OSCILLATOR**
Oran T. McIlvaine, St. Charles, Ill.
Application February 16, 1935, Serial No. 6,812
2 Claims. (Cl. 250—27.5)



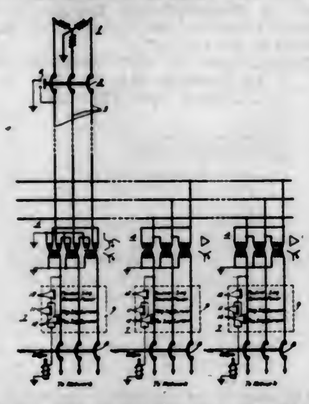
1. An oscillator comprising, in combination: a sealed bulb; a pair of spaced contacts therein; a third contact between said spaced contacts; means for oscillating said third contact between said spaced contacts; and an emitter in said tube, wherewith the contact surfaces are contaminated, said emitter being capable of emitting electrons at room temperature; the clearance between said contacts permitting said third contact a range of movement greater than, but of the same order of magnitude as, the mean effective orbit for an electron originating in the surface of the cathode at room temperatures and under the potential gradients obtaining during normal operation.

2,121,608
**NETWORK SYSTEM OF DISTRIBUTION**
John S. Parsons, Swissvale, and George O. Harrison, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application May 19, 1934, Serial No. 726,576. Patent No. 2,075,132, dated March 30, 1937. Divided and this application February 27, 1937, Serial No. 128,264
6 Claims. (Cl. 171—97)



6. In an alternating-current network system of distribution, a three-phase four-conductor alternating-current network circuit; a three-phase alternating-current feeder circuit; a plurality of transformer means for supplying power from said feeder circuit to said network circuit; a plurality of network circuit breakers for controlling the power flow through said transformer means, each of said circuit breakers having individual closing means therefor; means individual to said circuit breakers for preventing closure of the corresponding circuit breaker when a predetermined abnormal condition of said feeder circuit exists; and a group phasing device for all of said circuit breakers comprising an element effective, when operated, to establish said predetermined abnormal condition of said feeder circuit, a negative phase sequence voltage filter for segregating a negative sequence component of voltage of said feeder circuit, means responsive to the negative sequence voltage segregated by said filter for operating said element, and means responsive to an excess voltage condition between a secondary phase conductor of one of said transformer means and a corresponding phase conductor of said network circuit for operating said element, said excess voltage condition being of the order of 140% of the normal line-to-neutral voltage of said network circuit.

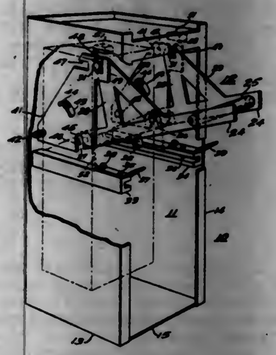
2,121,609
**PHASE SEQUENCE APPARATUS**
Rolla E. Powers, Westfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 20, 1936, Serial No. 111,360
11 Claims. (Cl. 171—97)



11. In an alternating-current network system of distribution, a polyphase alternating-current feeder circuit, a feeder circuit breaker in said feeder circuit, a polyphase network circuit, means effective when said feeder circuit breaker is open for artificially grounding one conductor of said feeder circuit, a plurality of polyphase transformer means having ungrounded windings connected to said feeder circuit and having low-voltage polyphase connections to said network circuit, a plurality of devices responsive to negative sequence current traversing said transformer means, and means for causing operation of said devices upon the opening of said feeder circuit breaker comprising network transformer means having low-voltage windings connected in suitable relationship for three-phase four-wire load service and having high-voltage windings connected to said feeder circuit in interconnected-star relationship with neutral grounded, said network transformer means being designed so that the leakage impedance of said high voltage windings is sufficiently low to permit the flow of sufficient negative sequence current for operation of said devices when said feeder circuit breaker is open.



2,121,610
**DISTRIBUTION APPARATUS**
Harold H. Rugg, Wilkinsburg, and Paul S. Graham, Turtle Creek, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1935, Serial No. 47,448
10 Claims. (Cl. 175—298)



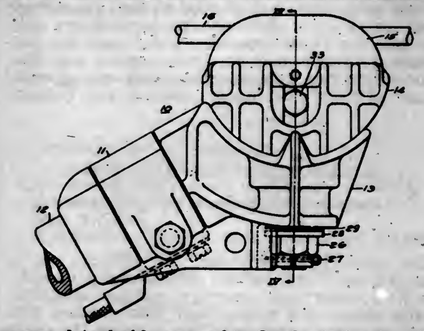
1. Current distribution apparatus comprising a housing, a circuit breaker unit removably mounted in the housing, combined levering and latching plates pivotally mounted on the sides of the housing substantially parallel to said sides for controlling the movement of the breaker unit into and out of the housing, and means for limiting the movement of said latching plates about their pivot points to cause the plates to act as fulcrums for levering the breaker unit into and out of the housing.

2,121,611
**NAPHTHENYL ESTERS OF PHOSPHOROUS ACIDS**
Paul Lawrence Salzberg, Carrcroft, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1937, Serial No. 150,958
11 Claims. (Cl. 260—98.10)

1. A naphthenyl ester of a phosphorous acid.

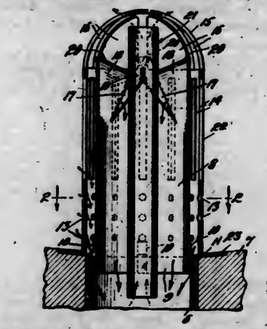
2,121,612
**CURRENT COLLECTING DEVICE**
William Schaake, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 23, 1935, Serial No. 46,276
17 Claims. (Cl. 191—59.1)

1. A device for collecting current from a trolley wire comprising, in combination, a pole head disposed to be carried by a trolley pole, support means rotatably mounted on said pole head, a swivel disposed in rotatable relation about said support means to oscillate in a plurality of planes relative to said pole head, and current collecting



means detachably secured in fixed relation to said swivel for engaging the trolley wire.

2,121,613
**DRAINAGE DEVICE**
Fritz Schultz, Baldwin, N. Y.
Application September 2, 1937, Serial No. 162,091
3 Claims. (Cl. 182—31)



1. A drainage device provided with a drain pipe, a tubular member having an end inserted down into the drain pipe, said member being of less external diameter than the internal diameter of the drain pipe whereby an annular drain opening is formed between the outer face of the tubular member and the inside of the drain pipe, said tubular member having its upper end formed with a plurality of infolded wings forming wiers and forming air vent openings between the wings, an air vent pipe supported within the tubular member by the infolded wings, and a perforated casing enclosing the tubular member and the air vent pipe.

2,121,614
**CYLINDER GAUGE**
John Stark, Chester, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application February 4, 1936, Serial No. 62,256
3 Claims. (Cl. 33—178)

1. A gauge for measuring the maximum and minimum internal diameters of cylinders which comprises an elongated gauge body adapted to be wholly inserted within the cylinder to be gauged and movable longitudinally therein, centering arms pivoted on said gauge body near each end thereof, and having their outer ends free to move

in a radial direction therefrom, means for applying uniform outward pressure to said centering arms, recording arms pivoted on said gauge body and having their outer ends free to move in a radial direction therefrom, means for applying outward pressure to said recording arms, a recording surface carried by said gauge body and movable longitudinally therealong, means for drawing



said gauge body through the cylinder to be gauged, said last named means being operable to first move said recording surface longitudinally along said gauge body into contact with said recording arms and then to move the gauge longitudinally through the cylinder whereby, during said movement of the gauge, said recording surface records radial movements of said recording arms.

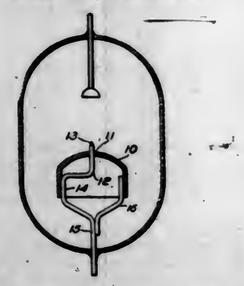
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**2,121,615**

**GAS OR VAPOR FILLED DISCHARGE DEVICE**

**Hans Vatter, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany**

**Application September 30, 1936, Serial No. 103,297**
**In Germany October 5, 1935**
**3 Claims. (Cl. 250—27.5)**



1. An electrical discharge device comprising a container, a gaseous atmosphere therein, an anode and a cathode structure within said container, said cathode structure having a large surface facing said anode and having an opening therein, a stem of said cathode structure projecting through the opening in said surface, said stem and said large surface being connected together away from the discharge space between said anode and cathode.

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**2,121,616**

**SULPHATES OF POLYBASIC ACID ESTERS**

**James Herbert Werntz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**

**No Drawing. Application May 29, 1937, Serial No. 145,515**
**16 Claims. (Cl. 260—99.12)**

1. An ester of a sulphato-polycarboxylic acid having less than 15 carbon atoms with a branched, open chain, aliphatic alcohol containing at least 6 carbon atoms.

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**2,121,617**

**ESTERS OF SULPHATO-CARBOXYLIC ACIDS**

**James Herbert Werntz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**

**No Drawing. Application June 10, 1937, Serial No. 147,486**
**17 Claims. (Cl. 260—99.12)**

1. A secondary straight chain neutral alkyl ester of a mono-sulphato-polycarboxylic acid wherein the alkyl group contains at least 6 carbon atoms and the sulphato-polycarboxylic acid contains less than 15 carbon atoms and has no hydroxyl substituents.

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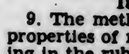
**2,121,618**

**PRESERVATION OF RUBBER**

**Ira Williams, Woodstown, N. J., and Arthur Morrill Neal, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**

**No Drawing. Application March 19, 1932, Serial No. 600,054**
**18 Claims. (Cl. 18—50)**

9. The method of increasing the age-resisting properties of rubber which comprises incorporating in the rubber a small amount of a compound having the formula



in which A represents a diphenyl nucleus, R represents a member of the group consisting of alkyl and aralkyl groups and $R_1$ represents a member of the group consisting of hydrogen and alkyl and aralkyl groups.

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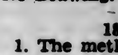
**2,121,619**

**PRESERVATION OF RUBBER**

**Ira Williams, Woodstown, N. J., and Arthur Morrill Neal, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**

**No Drawing. Application September 18, 1937, Serial No. 164,496**
**18 Claims. (Cl. 18—50)**

1. The method of increasing the age-resisting properties of rubber which comprises incorporating in the rubber a small amount of a compound having the formula



wherein A represents a diphenyl nucleus and R represents a member of the group consisting of alkyl and aralkyl groups.

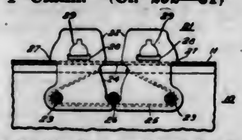
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**2,121,620**

**SWITCH BOX COVER FASTENER**

**Elden B. Workman, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania**

**Application April 10, 1935, Serial No. 15,579**
**1 Claim. (Cl. 292—31)**



A latching device for a cabinet having a cover, comprising a pair of latch members pivotally



mounted on the cabinet, each latch having a hook disposed to retain the cover in the closed position, the innermost portion of each hook being substantially in alinement with its pivotal support, and a single spring for biasing the latch members in opposite directions to engage the cover member, said spring being disposed around the pivotal supports for both latch members.

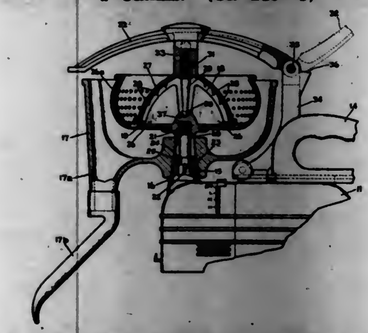
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**2,121,621**

**FRUIT JUICE EXTRACTOR**

**Joy C. Adams, Fairfield, Conn., assignor to General Electric Company, a corporation of New York**

**Application November 6, 1936, Serial No. 109,432**
**4 Claims. (Cl. 146—3)**



1. A fruit juice extractor comprising a reamer and a fruit support movable with relation to the reamer to bring the fruit on the support into extracting relation with the reamer, means for effecting relative rotary movement between the reamer and fruit holder to extract the juice from the fruit, and a bearing member on one of said members and a seat on the other to receive said bearing member to limit the movement of the support toward said reamer in bringing the fruit into extracting relation with the reamer, said bearing member and seat being so related as to offer substantially no resistance to the relative rotary movement between said holder and reamer.

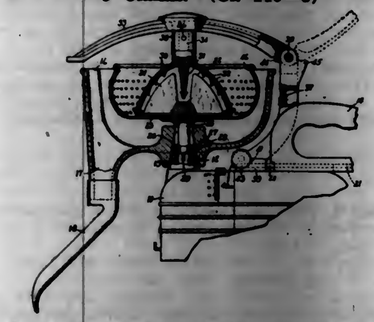
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**2,121,622**

**JUICE EXTRACTOR**

**Robert F. Bean, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York**

**Application November 6, 1936, Serial No. 109,431**
**6 Claims. (Cl. 146—3)**



2. A juice extracting device comprising a portable power unit having a supporting handle, means for moving said handle from its working position, a juice extracting member arranged to be fitted to said power unit in the space left by the handle when moved from the working position, a fruit holder to carry the fruit into extracting relation with said extracting member, and means detachably securing said fruit holder to said power unit.

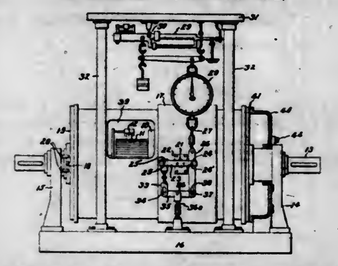
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**2,121,623**

**DYNAMO-ELECTRIC MACHINE**

**Karl Bobek, Falkensee, Germany, assignor to General Electric Company, a corporation of New York**

**Application June 3, 1936, Serial No. 83,378**
**In Germany June 8, 1935**
**2 Claims. (Cl. 265—24)**



1. A dynamo-electric machine having a rotatable member, a second member movably mounted about said rotatable member and arranged to cooperate electrodynamically therewith, means including a stationary casing having an opening communicating with said movable member for supplying a cooling medium thereto, and a labyrinth flanged seal arranged between said stationary casing and said movably mounted member.

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**2,121,624**

**FLEXIBLE CONDUIT CONNECTION**

**Irving Cowles, Detroit, Mich., assignor to himself and R. W. Lotz, Chicago, Ill., as cotrustees**

**Application September 16, 1936, Serial No. 101,091**
**3 Claims. (Cl. 285—84)**

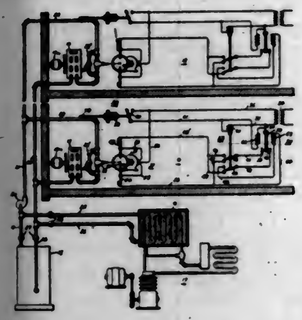


1. A hose coupling comprising a body member, a cylindrical contractible shell equipped with an internal thread formation, a helical wire member of less length than that of said thread formation disposed within said shell and in engagement with said thread formation throughout substantially all except the innermost end portion of the latter and adapted to embrace a hose end projecting into said shell to greater depth than said wire member to be permanently engaged with said coupling, the said shell adapted to be contracted progressively from its mouth to its inner end portion thereby to progressively contract said wire member into firm engagement with the hose end and progressively elongate said wire member from its outer to its inner extremities during said progressive contraction of the

hose and cause the latter to engage a correspondingly greater length of said hose end portion lying within said shell.

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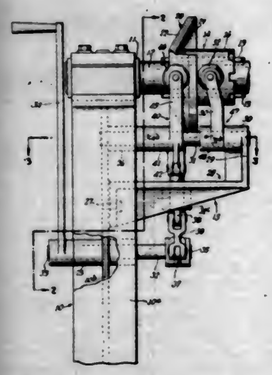
2,121,625
**HEATING AND COOLING SYSTEM**
Harry E. Crago, Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application November 17, 1936, Serial No. 111,208
15 Claims. (Cl. 236—1)



4. In combination, regulating means for controlling the flow of heat exchange medium having different temperatures, thermal responsive means for controlling said regulating means, means responsive to a predetermined difference in temperature of said medium for reversing with respect to temperature the action of said thermal responsive means over said regulating means, and means for maintaining a predetermined minimum flow of said medium over said last mentioned means.

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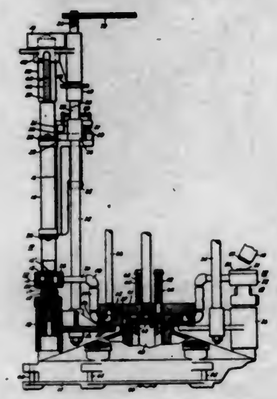
2,121,626
**CLUTCH ENGAGING AND DISENGAGING MECHANISM**
Edward Degelman, Secaucus, N. J.
Application June 4, 1936, Serial No. 83,528
12 Claims. (Cl. 74—107)



1. In combination with a shaft having a movable member thereon, said member being formed with a conical disk portion, means for causing movement of said member longitudinally of said shaft, said means comprising a pair of levers pivoted on axes parallel to the shaft and engaging a surface of said disk, and means for simultaneously rotating said levers in opposite directions.

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2,121,627
**APPARATUS FOR SEALING METAL TO GLASS**
John F. Donovan, East Cleveland, and Frank J. Malley, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application October 11, 1935, Serial No. 44,556
1 Claim. (Cl. 49—2)



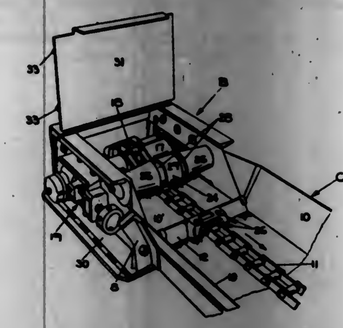
In a sealing machine, the combination of a turret rotatably mounted on a vertical axis, a plurality of heads mounted on said turret, each of said heads comprising a vertically disposed spindle adapted to hold a metal disc on its upper end and a pair of jaws disposed above said spindle and adapted to hold a tubular glass bulb in a vertical position with its lower end abutting against the upper surface of said disc, a burner surrounding the upper part of said spindle and having an annular opening therein around the upper end of said spindle for directing a flame at the bottom of the disc on said spindle to heat said disc and cause the end of the bulb abutting against the disc to be fused and sealed thereto, means for pressing said bulb downwardly as the lower end thereof is fused down, a stop for engaging said means and limiting the downward movement of said bulb and means for causing gas to be supplied to the said burners as the heads carrying them are indexed from a loading position.

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2,121,628
**CONVEYER**
William B. Fleming, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application July 30, 1935, Serial No. 33,850
11 Claims. (Cl. 198—171)

2. In a conveyer, the combination with a trough, of a continuous chain, flights carried by said chain, head and tail sprockets for said chain, a hold-down roller adjacent said tail sprocket adapted to guide said chain to a position on the bottom of said trough, said roller be-

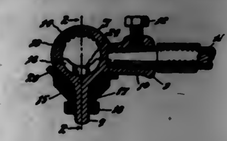




ing tapered to permit bent flights to pass thereunder.

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2,121,629
**BATTERY TERMINAL CLAMP**
Arthur Gladstone, Hartford, Conn., assignor to The Haw-Dee Manufacturing Corp., Hartford, Conn., a corporation of New York
Application April 2, 1935, Serial No. 14,288
1 Claim. (Cl. 173—259)

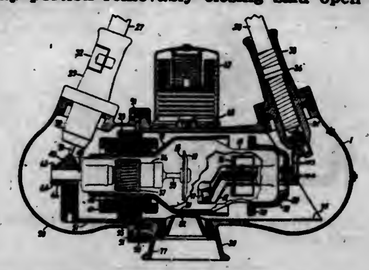


A battery terminal clamp comprising a ring-shaped connecting member adapted to connect an electrical conductor to the terminal post of a battery and having a threaded extension thereon, a nut on said extension, a clamping member having an opening to receive said extension and having portions overlapping the sides of said connecting member to engage said terminal post, and a strip of absorbent material positioned between said overlapping portions and having an opening to receive the said threaded extension therethrough for retaining the said strip in its position.

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2,121,630
**X-RAY APPARATUS**
Malvern J. Gross and Zed J. Atlee, Chicago, Ill., assignors to General Electric X-Ray Corporation, a corporation of New York
Application May 11, 1936, Serial No. 78,994
9 Claims. (Cl. 250—34)

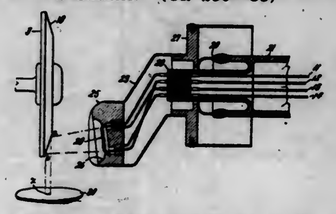
1. In X-ray apparatus, a casing comprising a main body portion open at one end thereof, an X-ray tube envelope arranged within said main body portion but having a section projecting from said open end, cooperating discharge electrodes within said envelope, a rotor structure within said projecting section of said envelope for rotating one of said electrodes, means for transmitting driving force to said rotor structure, said means comprising an electromagnetic stator surrounding said section of said envelope, means readily accessible at the open end of said casing for removably supporting said stator, and a cap portion removably closing said open end



of said casing and enclosing the projecting section of said envelope and said stator.

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2,121,631
**X-RAY TUBE**
Malvern J. Gross and Zed J. Atlee, Chicago, Ill., assignors to General Electric X-Ray Corporation, a corporation of New York
Application May 11, 1936, Serial No. 78,995
4 Claims. (Cl. 250—35)



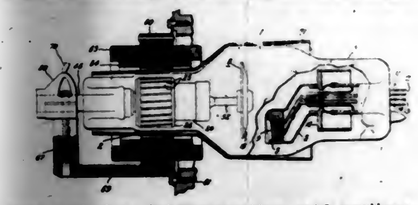
1. In an X-ray tube, a rotatable anode having a peripherally extending target surface thereon and a cathode structure axially spaced from the anode, said cathode structure including a plurality of transversely spaced linear filaments each relatively inclined with respect to the target surface and adapted during the operation of said tube to project an electron beam toward a common focal region on said surface, said filaments being arranged approximately radially with respect to the axis of rotation of said anode and being slightly convergent in the direction of said axis thereby to cause said electron beams to form parallel elongated focal spots on said focal region of said target surface.

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2,121,632
**X-RAY TUBE**
Malvern J. Gross and Zed J. Atlee, Chicago, Ill., assignors to General Electric X-Ray Corporation, a corporation of New York
Application May 11, 1936, Serial No. 78,996
4 Claims. (Cl. 250—35)

1. In an X-ray tube, a highly evacuated envelope containing a cathode and a rotatable anode, a stationary shaft projecting into said envelope, a rotor structure concentric with said shaft, means including anti-friction bearings supporting the rotor structure on said shaft, a mechanical connection between the rotor structure and said anode, and electromagnetic means arranged outside said envelope for transmitting driving force to the rotor structure, said rotor structure comprising a cylinder of laminated ferromagnetic material having a plurality of circumferentially spaced longitudinal slots therein,

and a squirrel cage of vacuum-cast copper having longitudinally extending portions filling said



slots and rings interconnecting said portions at the ends thereof.

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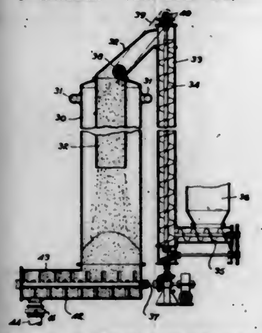
2,121,633

**METHOD OF TREATING CARBON BLACK**

Joseph Hartman, Pittsburgh, Pa., and William A. Knapp, Monroe, La., assignors to Imperial Oil & Gas Products Company, Pittsburgh, Pa., a corporation of West Virginia

Application March 25, 1935, Serial No. 12,964

5 Claims. (Cl. 134—60)



1. The method of densifying carbon black that contains entrained air, which comprises introducing it in the form of a loose stream into a chamber which has been and is being maintained under substantially complete vacuum, while withdrawing said entrained air from the chamber and preventing an inflow of an air stream thereto, and mechanically propelling the carbon black from said chamber into a receptacle while maintaining it out of contact with the atmosphere, the subjection of the carbon black to the vacuum and mechanical forces being carried to the point that the apparent volume thereof is so reduced that approximately 60 lbs. of carbon black will occupy no more space than 12½ lbs. thereof in its natural condition.

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2,121,634

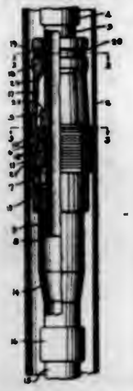
**SPEAR**

Granville A. Humason, Houston, Tex.

Application December 15, 1936, Serial No. 115,932

2 Claims. (Cl. 294—96)

1. A pipe pulling spear comprising a mandrel, a collar integral with mandrel intermediate the ends thereof, a jaw assembly slidably mounted upon the mandrel above the collar, and having a downwardly facing shoulder thereon, said assembly including jaws extending downwardly along the mandrel, a threaded area on the mandrel below said collar, an expander member threadably engaging said area to normally support the jaws in an operative position and slidable relative to the mandrel when the threaded connection is disengaged so that the collar may



be drawn upwardly against the jaws to release them from the expander.

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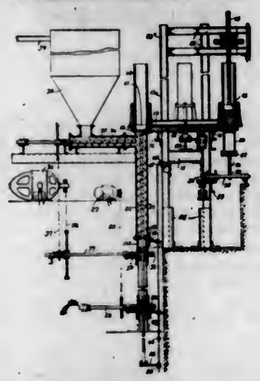
2,121,635

**METHOD OF AND APPARATUS FOR FORMING CONDENSED CARBON BLACK**

William A. Knapp and Warren W. Gregory, Monroe, La., assignors to Imperial Oil & Gas Products Company, Pittsburgh, Pa., a corporation of West Virginia

Application February 26, 1936, Serial No. 65,852

8 Claims. (Cl. 226—101)



8. The method of forming compacted blocks of pulverulent material such as carbon black, which comprises feeding the material upwardly into a chamber and against a movable abutment therein, subjecting the material to the unrestricted weight of the abutment to compact the material to a density sufficient to sustain the weight of the abutment, feeding the material into the chamber until the abutment is moved upwardly to a predetermined position in the chamber, thereby forming a charge of substantially predetermined density and quantity, thereafter subjecting the charge of material in the chamber to an additional compressive force independently of the feeding operation, to reduce the charge to a compacted block of predetermined volume, and then discharging the compacted block into a container.



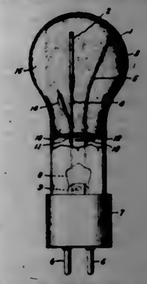
2,121,636

**PHOTOELECTRIC DEVICE**

Lewis R. Koller, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 26, 1937, Serial No. 144,895

2 Claims. (Cl. 250—27.5)



1. A photo-electric tube comprising an envelope containing a light-sensitive cathode and an anode, said cathode including cadmium and magnesium.

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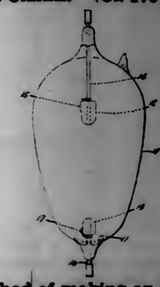
2,121,637

**ELECTRODE FOR ELECTRIC DISCHARGE DEVICES**

Eugene Lemmers, Cleveland, and Harry M. Fernberger, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York

Application April 16, 1935, Serial No. 16,614

12 Claims. (Cl. 176—126)



1. The method of making an electrode for electric discharge devices which comprises soaking a highly porous refractory metal body in a liquid comprising an alkaline earth compound capable of being converted to an electron emissive material and subsequently subjecting said porous metal body to heat to convert said alkaline earth compound to an electron emissive material.

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2,121,638

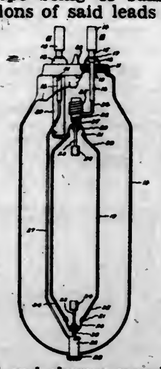
**ELECTRIC DISCHARGE DEVICE**

Eugene Lemmers, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application October 19, 1937, Serial No. 169,829

5 Claims. (Cl. 176—122)

5. An electric discharge lamp adapted to be operated with its longitudinal axis vertically disposed and comprising a tubular envelope having inwardly tapering ends closed by thin metallic closure members having their edges sealed directly to the ends of said envelope, and leads extending through said end closure members axially of said envelope and carrying electrodes at their inner ends, the portions of said leads within the envelope being of sufficiently large size and the portions of said leads adjacent the



outer sides of said end closure members being of sufficiently small size to balance the heat lost by radiation from said metallic end closure members and thereby permit the lamp to heat up, during starting, to its operating temperature.

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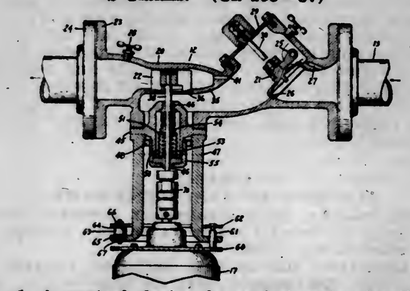
2,121,639

**HOT WATER HEATING CONTROL DEVICE**

Walter O. Lum, West Caldwell, N. J., assignor to General Electric Company, a corporation of New York

Original application July 6, 1933, Serial No. 679,172. Divided and this application March 24, 1936, Serial No. 70,603

2 Claims. (Cl. 103—87)

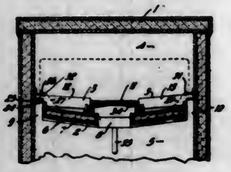


1. A control device for a hot water heating system comprising a horizontal tubular casing provided at each end with means for connecting the casing in the hot water piping system and having adjacent one end thereof a horizontally extending dividing wall with an opening therethrough opposite an opening in the bottom wall of the casing to form a centrifugal pump housing and adjacent the other end thereof a check valve housing, a check valve movably mounted in said valve housing and biased to the closed position, a pump shaft having a bearing bracket mounted in and sealing the opening in the bottom wall of said casing and provided with spring thrust bearing sealing means biasing the shaft vertically upward into said casing in predetermined alignment with said opening in said dividing wall, an impeller mounted on the upper end of said shaft for forcing circulation of the hot water through said opening to open said valve against its bias, a motor supporting bracket mounted on said bearing bracket and extending downwardly

from said bearing bracket, and an electric motor suspended from said support and connected with the lower end of said shaft for driving said impeller.

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**2,121,640**
**REFRIGERATOR**
Harry L. Merrill, Nashua, N. H., assignor to Harder Refrigerator Corporation, Cobleskill, N. Y., a corporation of New York
Application September 25, 1936, Serial No. 102,499
8 Claims. (Cl. 62—46)



1. In an ice refrigerator the combination with a cabinet having a partition extending from the front to the back thereof and subdividing the interior of said cabinet into an ice compartment above and a storage compartment below; said partition being provided with a central opening for the downflow of cold air, and being spaced from two opposite sides of said refrigerator to provide ducts for the upflow of warm air from the storage compartment; of an ice rack supported on said partition and comprising three separate elements whereby it is readily removable from said cabinet; said elements including two similar side elements of thin metal having comparatively deep, V-shaped valleys therein and cooperating with said partition to form air passages therebetween communicating with said central opening and with said ducts; said side elements being provided with means extending laterally therefrom to close said ducts and deflect the upflowing warm air into said air passages and toward those surface portions only of a body of ice resting on said rack which lie in the valleys of said rack.

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**2,121,641**
**ELECTRIC INCANDESCENT LAMP**
Erich Mickley, Berlin-Zehlendorf, Germany, assignor to General Electric Company, a corporation of New York
Application May 10, 1937, Serial No. 141,819
In Germany May 25, 1936
3 Claims. (Cl. 176—38)



1. In an incandescent lamp, the combination of a glass bulb having a filament sealed therein and lead wires extending through said bulb and supporting said filament, said lead wires including inner leads spaced by a bead of insulating material, said inner leads being bent, above said bead, perpendicularly to the center plane of the lamp passing through said inner leads, the extremities of said inner leads being formed with filament engaging hooks disposed perpendicularly to said center plane and supporting said filament in a symmetrical position with respect to the axis of said lamp.

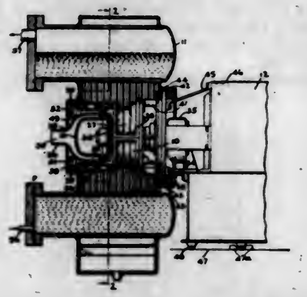
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**2,121,642**
**SYNTHETIC RESIN**
Israel Rosenblum, Jackson Heights, N. Y.
No Drawing. Application November 3, 1934, Serial No. 751,419
17 Claims. (Cl. 260—4)

1. The method which comprises reacting a phenolic body including a homologue of phenol, with an aldehyde in the presence of a terpene material consisting primarily of dipentene until a resin containing a considerable proportion of dipentene in chemical combination is obtained.

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**2,121,643**
**ELASTIC FLUID TURBINE ARRANGEMENT**
Arthur R. Smith, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 19, 1935, Serial No. 55,228
4 Claims. (Cl. 60—95)

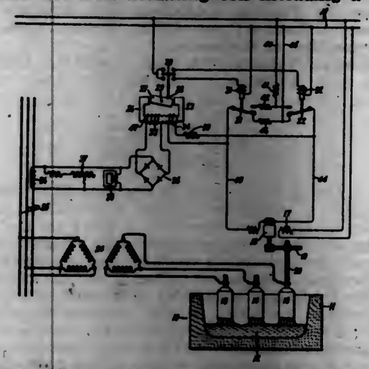


1. An elastic fluid turbine arrangement including the combination of a multi-stage elastic fluid turbine having a casing, a machine driven by the turbine, and a condenser for the turbine, the turbine casing being disposed substantially entirely within the condenser, said condenser having an outer casing, lower and upper headers extending axially with the turbine and a plurality of cooling tubes connected between the headers and embracing the turbine.

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**2,121,644**
**ELECTRIC FURNACE REGULATOR SYSTEM**
Louis W. Thompson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 17, 1937, Serial No. 137,522
10 Claims. (Cl. 13—13)

1. In a regulator system for an alternating current furnace, a direct current motor for adjusting an electrode, control means for starting said motor to adjust said electrode comprising a pivotally mounted armature, a magnet core for said armature, an actuating coil on said core, current supply means responsive to an electrical condition of the electrode circuit for producing a current varying with said electrical condition, electrical connections between said current supply means and said actuating coil including a current rectifying device, and an anti-hunting coil on said magnet core connected to said motor.



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**2,121,645**
**ELASTIC FLUID TURBINE**
Glenn B. Warren, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 17, 1936, Serial No. 59,579
2 Claims. (Cl. 253—69)

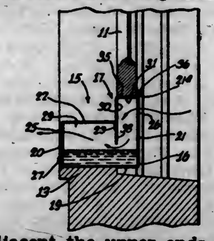


1. A multi-stage axial flow elastic fluid turbine including the combination of a casing, a rotor having a last stage bucket wheel with a plurality of buckets, a last stage nozzle diaphragm supported on the casing and having a plurality of nozzles for directing elastic fluid to the buckets, and a channel and throttling means defined by adjacent surfaces of the last stage nozzle diaphragm and the casing to receive a part of the elastic fluid flowing through the turbine before it enters the nozzles of the last stage diaphragm, the outlet diameter of the nozzles of the last stage nozzle diaphragm being greater than the outer diameter of the buckets of the last stage bucket wheel to bypass a part of the fluid flowing through the diaphragm with regard to the last stage bucket wheel.

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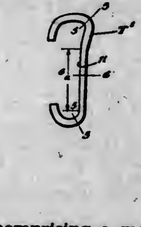
**2,121,646**
**WINDOW VENTILATOR**
James A. Webb, New York, N. Y.
Application June 18, 1936, Serial No. 85,930
7 Claims. (Cl. 98—100)

3. A window ventilator of the character described, comprising a case made of sheet metal and having a bottom wall, a front wall and a rear wall and end walls, said rear wall extending to greater height than the front wall, a wall extending rearwardly from the top of the front wall, said front and rear walls being formed with perforations adjacent the upper ends thereof, and a cover for said case comprising a member having a channel to frictionally receive the upper edge of the rear wall and having a wall engaging the rear end of the top wall and projecting below said top wall, thereby providing a baffle for air passing through the ventilator.



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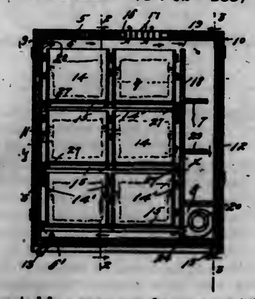
**2,121,647**
**RING TRAVELER**
Philip C. Wentworth, Providence, R. I.
Application November 1, 1937, Serial No. 172,132
4 Claims. (Cl. 118—61)



1. A ring traveler comprising a member bent to conventional traveler shape and exhibiting in all areas thereof an elliptical cross section whereby the surface of the traveler is smooth and rounded and devoid of cutting edges.

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**2,121,648**
**ROOM COOLER**
Carlos F. Wheaton, Minneapolis, Minn.
Application September 29, 1937, Serial No. 166,365
15 Claims. (Cl. 62—133)



10. A portable room cooler comprising a cabinet having a heat exchanger compartment and an air re-circulating chamber, a heat exchanger

in the form of an ice container in said compartment, said compartment having an air passageway leading to said chamber, means for taking air from the compartment, re-circulating said air through the chamber and returning the same to the compartment and an air escape port opening out of the cabinet for discharging air cooled in the heat exchanger compartment.

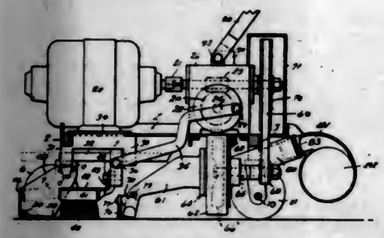
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2,121,649

## SCRUBBING MACHINE FOR FLOORS AND FLOOR COVERINGS

Albert B. Beitman, Cleveland Heights, Ohio, assignor to The French Renovating Company, Cleveland, Ohio, a corporation of Ohio

Application September 23, 1935, Serial No. 41,728
4 Claims. (Cl. 15—50)



2. In a machine for scrubbing floors and floor coverings adapted for movement over a surface to be cleaned, a scrubbing device supported in contact with said surface for reciprocatory movement, a liquid distributor in the nature of a flat plate disposed adjacent the surface and in a position to be overridden by the scrubbing device as the latter approaches and recedes from one end of its range of movement, means for containing a cleaning liquid and feeding the same gradually to the liquid distributor, and a prime mover for imparting movement to the scrubbing device.

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2,121,650

## CONVEYER BELT

Michael Berman and Theodore C. Zinter, Buffalo, N. Y., assignors to Hewitt Rubber Corporation, Buffalo, N. Y.

Application April 28, 1936, Serial No. 76,752
15 Claims. (Cl. 198—193)



1. A laminated rubber and canvas conveyer belt for use in a conveyer having idler rollers, the ends of which terminate short of the edges of the conveyer belt and having stationary surfaces for supporting the edges of the belt, said belt having the same thickness from side to side and formed of laminations of fabric layers disposed face to face, the roller engaging face of the belt having its fabric exposed in the side marginal zones between the ends of the rollers and the adjacent side edges of the belt, the remainder of the roller engaging face of the belt and the entire conveying face of the belt having rubber layers.

2,121,651

## SWITCH

Edward M. Clayton, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 13, 1936, Serial No. 110,661
8 Claims. (Cl. 200—81)



1. A switch comprising in combination; a base member; a yieldable contact insulatingly supported by the base member; a plate secured to the base member and provided with a plurality of integral projections; a shaft rotatably supported by the base member; a movable contact carried by the shaft and extending between two of the projections to limit rotary movement of the shaft; a spring around the shaft, said spring having one end anchored to the movable contact and the other end anchored to one of the projections to normally hold the contact out of engagement with the terminal; and means for rotating the shaft to move the contact into engagement with the yieldable contact.

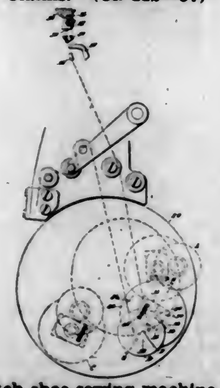
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2,121,652

## TAKE-UP MECHANISM FOR SEWING MACHINES

Harold Edmund Cooper, Kettering, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application January 23, 1937, Serial No. 122,003
In Great Britain February 5, 1936
7 Claims. (Cl. 112—57)



1. A lockstitch shoe sewing machine having, in combination with the other stitch forming devices, a take-up comprising a thread engaging member, and mechanism for actuating the thread engaging member to pull the needle loop from the shuttle into the work and to set the stitch comprising yielding means rendered inoperative while the thread engaging member is pulling the needle loop from the shuttle and rendered operative as each stitch is being set to relieve sudden tension on the thread.

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2,121,653

## FLUID BRAKE SAFETY DEVICE

George B. Davis, Jr., Washington, D. C.

Application June 3, 1937, Serial No. 146,301
10 Claims. (Cl. 303—84)

1. In a safety device for pressure operated brakes, a pressure control for interposition in the pressure conducting means leading to the brake, said control comprising a cylinder having intake and outlet heads provided with ports for communication with said means, said outlet head being formed on its inner side with a socket and an annular groove surrounding the socket, said outlet head having its port opening into said socket through the base of the latter, and a pres-





sure operated shut-off structure slidably mounted in said cylinder and having as parts thereof a sleeve valve and a needle valve for extension respectively into said groove, socket and port for sealing the latter to the cylinder when said structure automatically becomes active on the impairment of that part of the pressure conducting means leading from the outlet head.

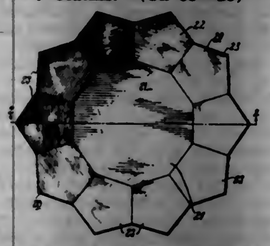
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2,121,654

## DISH

Paul S. Donchian, Hartford, Conn.

Application August 2, 1937, Serial No. 156,836
7 Claims. (Cl. 65—15)



1. A dish or the like, comprising: a center portion; and an outwardly and upwardly sloping border having a series of planar pentagonal panels, each inner and outer surface of each pentagonal panel being in the form of a pentagon, each inner surface pentagon having a base edge joined to said center portion, and said base edges lying substantially in a common plane.

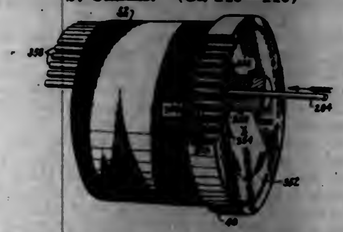
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2,121,655

## CONDUCTOR INSERTING MACHINE

George W. Kiley, Lawson E. Munsma, and Edward J. Vealer, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 15, 1936, Serial No. 85,322
27 Claims. (Cl. 140—140)



1. In a machine of the character described, the combination of a locator for a core having longitudinal recesses; a guide for bar stock; a device for aligning consecutive core recesses with the guide; another device for feeding bar stock into an aligned recess; and means for alternately operating both devices.

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2,121,656

## GRINDING WHEEL

John F. Fischer, Drexel Hill, Pa., assignor to Abrasive Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 12, 1938, Serial No. 195,632
4 Claims. (Cl. 51—206)



1. A molded article of the character described comprising an annular body member, and an annular reinforcing element embedded and bonded in each side face of said annular body member immediately adjacent and surrounding the central opening therein, said reinforcing elements each including a web portion disposed flush in a side face of the body member, an edge flange lining at least a portion of the central opening of said body member, and a portion projecting into the body member substantially parallel to its axis of rotation.

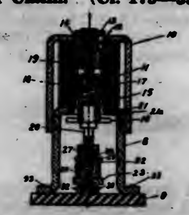
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2,121,657

## ELECTROMAGNETIC CONTROL MEANS

James B. Fisher, Detroit, Mich.

Application February 1, 1936, Serial No. 61,848
1 Claim. (Cl. 175—338)



In a device of the character described, the combination of a primary exciting coil, a non-magnetic guide member within said coil, a magnetic plug in said guide member, a magnetic frame secured to said plug, a magnetic plunger slidably mounted in said guide member, said plunger having integral transverse members at one end, an inverted U shaped magnetic yoke for supporting said frame, said yoke having an opening therein through which passes said plunger, an annular groove around said opening, and a copper ring in said groove arranged to be contacted by said transverse members on said plunger.

2,121,658
**EXHIBITION BENCH**
Charles A. Gehret, East Norriton Township, Montgomery County, Pa.
Application August 6, 1936, Serial No. 94,681
1 Claim. (Cl. 119—17)



In an exhibition bench, the combination with a base panel, of a plurality of cage units each comprising a top panel, front and rear panels and one side panel and adapted to be mounted on the base in series arrangement and with the open side of each unit at the closed side of an adjoining unit, and detachable means for closing the open side of the terminal unit of said series, said front, rear and side panels being hinged to the edges of the top panel, and said hinges being constructed and arranged to permit the folding together of said front, rear and side panels in face-to-face relation with the top panel, cooperative means on the base panel and at the bottoms of said rear and side panels for interlocking said panels with the base whereby said rear and side panels may function jointly and with the base as a stable and substantially rigid supporting frame for the individual unit maintaining said unit in its rectangular form, and leaving said front panel free to swing as a top-hinged door on the top panel, and means for releasably locking the front panel in its normal closed position.

2,121,659
**REINFORCED TRACK CROSSING**
Jean François Eugène Grand, Paris, and René Lucien Grand, Livry-Gargan, France
Application June 10, 1936, Serial No. 84,582
In France June 19, 1935
4 Claims. (Cl. 246—468)



3. In a track crossing for corresponding outer rails, a first rail bent to the crossing angle forming the outer bend of the crossing, a second rail also bent to the crossing angle forming the inner bend of the crossing, said second rail having portions thereof cut away to provide two points of the crossing in the second rail when said first and second rails are positioned, a third rail continuous lengthwise of the crossing and interposed between the first rail and the second rail, said third rail having portions thereof cut away to provide a counter-point for each of said points, said third rail being counter-bent so as to fit the first rail forming the outer bend, and means for rigidly securing the rail forming the points and the rail forming the counter-points together.

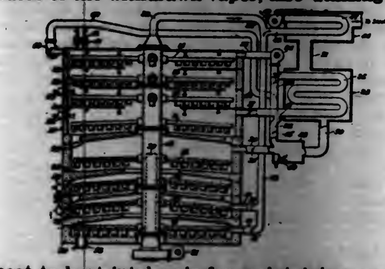
2,121,660
**INTERNAL COMBUSTION MOTOR**
Earl E. Hammers, St. Joseph, Mo., assignor of one-half to Christian M. Jespersen, Kansas City, Mo.
Application March 20, 1935, Serial No. 12,090
1 Claim. (Cl. 123—17)



A device of the class described having a substantially round cylinder comprising a ring and closure plates overlapping the edges of the ring and secured against opposite sides thereof, said ring having an enlargement providing a firing chamber, firing means associated with said chamber, a rotor, disks fastened on opposite sides of the rotor, said rotor and disks being of the same diameter as the interior of the ring and being collectively of the same width as the ring, a drive shaft carrying said rotor, pistons on said rotor having arcuate walls on the same arc as the rotor and adapted, when in their outermost position, to register with the periphery of the rotor, said rotor having spaces in which said pistons are mounted, means pivotally connecting each of said pistons to said disks, said pistons each having inward extensions at one end, a rod passing through each of said extensions between its pivot and the axis of the rotor, said closure plates having cam grooves into which the ends of the rods extend to move the pistons to effect intake, compression, firing and expansion of fuel and to effect exhaust, said ring having intake and exhaust ports to coact with the pistons and spaces, and said disks having arcuate slots therethrough through which said rods pass.

2,121,661
**PROCESS AND APPARATUS FOR DRYING AND BURNING MOIST MATERIALS**
Henry J. Hartley, Hastings on Hudson, N. Y., and Dudley Baird, Berkeley, Calif., assignors to Nichols Engineering & Research Corporation, New York, N. Y., a corporation of Delaware
Application August 14, 1936, Serial No. 95,950
21 Claims. (Cl. 110—12)

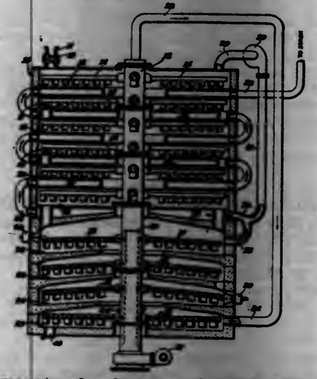
1. Process of drying and incinerating waste material, which comprises gradually passing the material while agitating the same, first through a drying zone or zones and then through an incinerating zone or zones, causing a stream of air for supporting combustion together with hot gaseous products of combustion to pass over the material in said incinerating zone or zones, withdrawing said stream from said incinerating zone or zones at a temperature sufficiently high for the same to be free of noxious odors, separately withdrawing vapor from said drying zone or zones and also recirculating over the material in said drying zone or zones at least a part of the vapor evolved from the drying material, utilizing heat of said withdrawn stream to heat said withdrawn vapor to a temperature sufficient to destroy noxious odors of the withdrawn vapor, also utilizing such



heat to heat intake air for maintaining combustion in the incinerating zone or zones, and to heat said recirculated vapor, whereby the latter provides heat for drying the material.

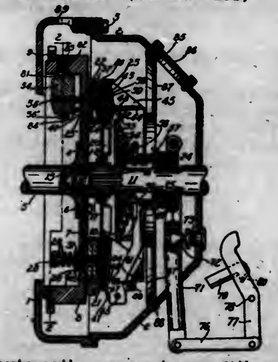


2,121,662
**INCINERATION OF SEWAGE SLUDGE AND OTHER WASTE MATERIALS**
Henry J. Hartley, Hastings on Hudson, N. Y., and Dudley Baird, Berkeley, Calif., assignors to Nichols Engineering & Research Corporation, New York, N. Y., a corporation of Delaware
Application August 18, 1936, Serial No. 96,576
Renewed February 19, 1937
22 Claims. (Cl. 110—12)



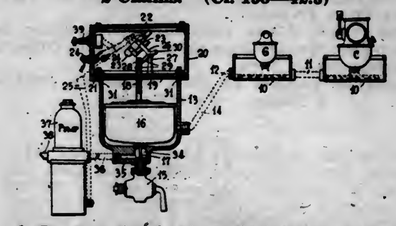
1. Apparatus for drying and incinerating waste material, which comprises a furnace having a plurality of superposed hearths including a top drying hearth or hearths and a lower incinerating hearth or hearths, means for feeding the material onto the top hearth, rabbling means cooperating with each hearth for agitating and advancing the material over each hearth and gradually from hearth to hearth down through the furnace, an opening adjacent an upper incinerating hearth through which hot gaseous products of combustion may be withdrawn, an opening from a drying hearth through which vapor evolved from the drying material may be withdrawn, said drying hearth or hearths being formed with muffle-heating cavities, means for mixing said withdrawn vapor with said gaseous products of combustion at a point adjacent said incineration hearth opening, and means for conducting the mixture through said cavities whereby substantial quantities of the heat of said mixture are transferred to the drying hearth or hearths.

2,121,663
**AUTOMATIC POWER TRANSMITTING MECHANISM**
William E. Haupt, Brooklawn, N. J., assignor to Automatic Drive & Transmission Company, Gloucester City, N. J., a corporation of New Jersey
Application January 27, 1933, Serial No. 653,875
30 Claims. (Cl. 192—105)



1. An automatic power transmitting mechanism comprising, a driving member; a driven member; speed responsive means operably associated with said driving member for causing pressure to build up slowly between said driving and driven members as said driving member is accelerated to a predetermined speed, and for causing said pressure to build up at a greater rate when said driving member reaches a second predetermined speed, and reaction means for causing said pressure to build up at a still greater rate as said driving member is accelerated to a still higher speed.

2,121,664
**DEVICE FOR PREVENTING CONFLAGRATIONS ON BOATS BY FUEL LEAKS**
Frank P. Huckins, Jacksonville, Fla.
Application February 19, 1935, Serial No. 7,308
2 Claims. (Cl. 158—42.3)



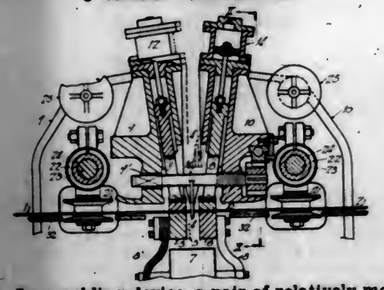
1. In a motor boat, a device for preventing conflagrations due to leakage of inflammable fuels from in-board internal combustion engines of the operable parts thereof in their fuel supply line, which leakage collects in relatively large quantities in the bilge water of boats, said device comprising in combination with a carburetor of an internal combustion engine and the fuel supply connections thereof, of a drip collecting means disposed and supported in relation to said carburetor and its connections to receive any drip or leakage therefrom, a chamber having a float therein and connected with said collecting means, said collecting means and connection being such as to discharge said drip or leakage received thereby into said float chamber, a pump con-

nected with said float chamber for discharging the contents of said chamber from the boat while isolated from aforementioned bilge water, means for driving said pump and an electric control circuit therefor, switch means included in said circuit and arranged to be actuated by said float for closing said circuit at a predetermined level of the leakage in said float chamber, the contacts of the switch being hermetically sealed from the atmosphere and from vapors of said leakage.

### 2,121,665
### BUTT WELDING DEVICE FOR METAL STRIPS

**Edwin B. Hudson, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio**

**Application April 1, 1936, Serial No. 72,129**
**3 Claims. (Cl. 219—4)**

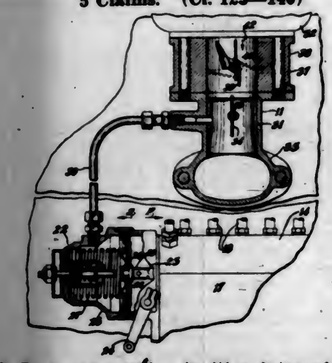


1. In a welding device, a pair of relatively movable heads, clamping means on said heads for holding material to be welded, a shaft journaled in one of said heads, a spacing gauge arm on said shaft and adapted in one position to lie between the ends of said material to be welded, means for rotating said shaft so as to bring said arm away from said first mentioned position, and for moving said gauge laterally to avoid contact with said other head during the welding operation.

### 2,121,666
### GOVERNOR CONTROLLED COMPRESSION IGNITION INTERNAL COMBUSTION INJECTION ENGINE

**David Wilson Latta, Canton, Ohio, assignor to Hercules Motors Corporation, Canton, Ohio, a corporation of Ohio**

**Application October 23, 1936, Serial No. 107,198**
**5 Claims. (Cl. 123—140)**

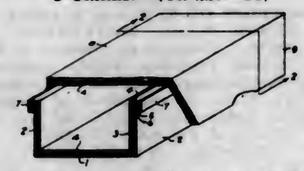


1. In a compression ignition internal combustion injection engine, air intake duct means for the engine, fuel injection pump means for the engine, differential pressure diaphragm actuated means controlling the rate of fuel injection of the pump means, tube means operatively associated with the air intake duct means and the differential pressure diaphragm actuated means for actuating the diaphragm means according to variations in pressure in the air intake duct means, manually operable valve means for varying the air intake opening of the air intake duct means, and air velocity actuated valve means normally arranged to permit air flow through the air intake duct means and operative to automatically reduce the air flow by the attainment of a predetermined velocity of air flow, so as to prevent overspeeding of the engine, as when the load on the engine is suddenly released.

### 2,121,667
### GAS-TIGHT PACKING BOX

**Harvey G. Kittredge, Dayton, and Sylvester J. Broderick, Yellow Springs, Ohio, assignors to Foilfilm, Inc., Dayton, Ohio, a corporation of Ohio**

**Application August 19, 1935, Serial No. 36,758**
**8 Claims. (Cl. 229—14)**



1. In a method of making a gas-tight container, forming a paper container, applying a metal foil to the walls of said container and interposing an adhesive between said foil and said container to render the foil structurally strong and permanently anchor it to the walls of the container, applying a sealing medium to a portion of the container and bringing a cover for the container into engagement therewith.

### 2,121,668
### METHOD OF TREATING LEATHER BOARD

**Joseph F. Pollard, Newburyport, Mass., assignor, by mesne assignments, to The International Leather Company, Boston, Mass., a corporation of Maine**

**Application April 15, 1936, Serial No. 74,495**
**9 Claims. (Cl. 8—107)**



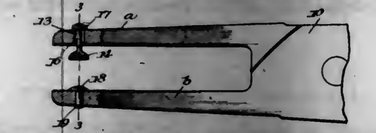
1. The method of making a striped leather board product which consists in first providing a leather board of uniform color throughout, then treating the said leather board through only a portion of its thickness with an aqueous solution comprising at least one acid salt selected from the group consisting of the alkali metal acid salts of hydrofluoric acid and the ammonium acid salt of hydrofluoric acid, and finally drying the same.

### 2,121,669
### PEENING TOOL

**Augustine T. Rochte, Tiffin, Ohio**

**Application April 6, 1937, Serial No. 135,319**
**6 Claims. (Cl. 81—3.6)**

1. A tool for peening screws and like comprising a pair of members adapted to be moved toward and away from each other, one of said members being provided with a loosely mounted element adapted to fit over and bear against the head of the screw and the other member being provided with a convexed peening element



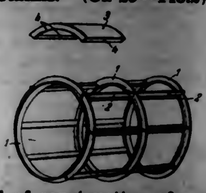
adapted to engage the other end of the screw, whereby the peening element may be moved over the end of the screw to upset the same while the other of said elements is in contact with the head of the screw when the tool is moved to rock the peening element.



### 2,121,670
### CONSTRUCTION OF FUSELAGES, VEHICLE BODIES, AND THE LIKE

**Léon Salves, Billancourt, France, assignor to Louis Renault, Billancourt, France**

**Application June 10, 1936, Serial No. 84,568**
**In France October 31, 1935**
**2 Claims. (Cl. 29—148.2)**



1. A method of construction of a metal frame assemblage for a hollow body which consists in forming a hollow frame of bars having a T-shaped cross section having the bottom flanges thereof disposed inwardly and so arranged as to provide open spaces therebetween, placing plates having peripheral flanges in said open spaces so that the flanges abut the stems of the T-shaped cross sectioned bars, and finally in welding each bar in the same operation with the adjacent flanges of two adjacent plates.

### 2,121,671
### IGNITION STARTER CONTROL

**Herman Schwarze, deceased, late of Pontiac, Mich., by Bruce H. Schwarze, administrator, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware**

**Application August 22, 1934, Serial No. 740,960**
**2 Claims. (Cl. 200—44)**

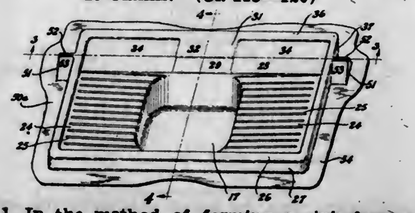


2. An electric switch comprising, in combination, a plurality of stationary contacts; a rotary bridging contact; a contact carrier supporting the bridging contact and provided with an elongated notch and spring means for returning the contact carrier to positions intermediate its extreme position of movement in either direction, said spring means comprising a leaf spring comprising an intermediate portion secured to a fixed portion and its free end portions extending into said notch of the carrier and stop means limiting movement of each free end of the spring in one direction.

### 2,121,672
### METHOD OF MAKING SINKS

**Jacques Stanitz, Warren, Ohio, assignor, by mesne assignments, to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York**

**Application June 29, 1936, Serial No. 87,846**
**13 Claims. (Cl. 113—120)**

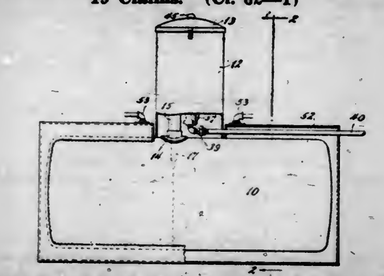


1. In the method of forming a sink from a single metal blank drawn flatwise to provide a bowl panel and a splash back panel terminating in a rim having a downwardly extending flange continuously around said panels, the steps of drawing trough-like lateral projections in said flange at opposite sides of the blank having wings intersecting on a line upon which the splash back panel is to be bent upwardly, and then trimming excess metal from said continuous flange and projections.

### 2,121,673
### DISPENSING APPARATUS FOR LIQUEFIED GAS

**Loyd J. White, San Antonio, Tex., assignor to Southern Steel Company, a corporation of Texas**

**Application August 26, 1936, Serial No. 98,048**
**19 Claims. (Cl. 62—1)**



19. In liquefied gas dispensing apparatus of the class described, an underground pressure storage tank; a standpipe constituting a gas dispensing conduit connected to the tank and extending upwardly therefrom to a point near the ground level; gas vapor dispensing means including a pressure reducing regulator communicating with the standpipe; and a liquid level gauge associated with the standpipe whereby the quantity of liquid in the tank may be determined.

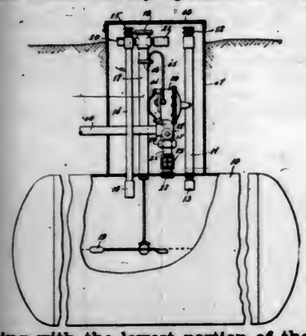
### 2,121,674
### LIQUEFIED GAS STORAGE AND DISPENSING SYSTEM

**Loyd J. White, San Antonio, Tex., assignor to Southern Steel Company, a corporation of Texas**

**Application May 28, 1937, Serial No. 145,352**
**26 Claims. (Cl. 62—1)**

1. In a liquefied gas storage and dispensing system of the class described, a pressure storage

tank; a service pipe; means to deliver gas from the tank to the service pipe at a reduced pressure; and intermittently operated means communicating with the lowest portion of the service pipe connected to return condensate formed therein to the tank.



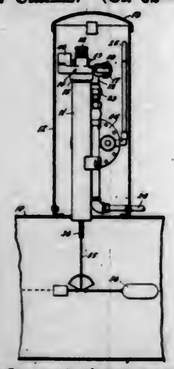
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2,121,675

**COMBINATION FITTING FOR GAS DISPENSING SYSTEMS**

Loyd J. White, San Antonio, Tex., assignor to Southern Steel Company, a corporation of Texas

Application October 18, 1937, Serial No. 169,699
17 Claims. (Cl. 62—1)



9. In a liquefied petroleum gas dispensing system having a pressure storage tank and a standpipe connected thereto, a unitary fitting on the upper end portion of the standpipe having an outlet conduit; a service pipe communicating with said outlet conduit; means to fill the tank through said fitting; a liquid level gauge on said fitting having a portion projecting through the standpipe into the tank; and a pressure relief valve in the fitting having a conduit communicating with the standpipe.

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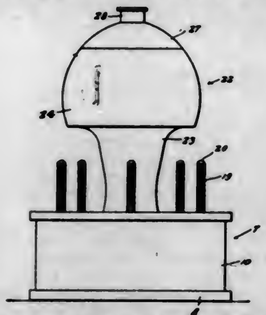
2,121,676

**MULTIPLE PURPOSE SEWING EQUIPMENT HOLDER**

Arthur Q. Adamson, Long Beach, Calif.

Application July 17, 1936, Serial No. 91,236
1 Claim. (Cl. 242—139)

A spool holder of the class described comprising a base having a circular row of spaced sockets in its top portion, a plurality of elongated vertically arranged coiled springs having their lower ends fitting in the sockets, a cap for the upper end of each spring, said springs receiving spools and an upright member including a bulbous-shaped head and a depending shank, said shank being connected with the central portion of the top part of the base and being surrounded by the springs and the junction of the head with the shank forming an annular shoulder which is slightly spaced above the spools placed on the spring for preventing the spools from falling off the springs if the device is tilted or upset, each spool being placed on the spring or removed therefrom by bending the spring outwardly to cause the spool to clear the shoulder.



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2,121,677

**LICENSE PLATE HOLDER**

Roy L. Anderson, Decorah, Iowa

Application May 10, 1937, Serial No. 141,828
1 Claim. (Cl. 40—125)




A device of the character described, comprising, in combination, a license plate bracket formed with a pair of slots, a license plate formed with a pair of slots in registery with said first mentioned slots, and a license plate holder for securing said plate to said bracket and comprising a rod, one end of said rod inflected to form a right angularly disposed extension extending through one pair of registering slots, means on said extension engaging said plate, a nut on said extension engaging said bracket and coacting with said means for clamping said plate to said bracket, the opposite end of said rod formed with a right angularly disposed extension adjacent said opposite end and extending through another pair of registering slots, said last mentioned extension fashioned with a right angularly extending offset end engaging said bracket, a washer on said last mentioned extension engaging said plate, and a coil spring on said last mentioned extension engaging said washer in a manner whereby said washer coacts with said end to maintain said plate in clamped condition on said bracket, said



first mentioned extension and associated parts coacting with said second mentioned extension and associated parts to maintain said rod in fixed position relative to said plate whereby to prevent disengagement of said second mentioned extension from said plate and bracket while said first mentioned extension is secured to said plate and bracket in clamped condition.

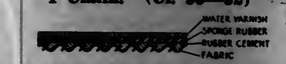
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2,121,678

**FOOTWEAR AND SOLE MATERIAL THEREFOR**

Horace Francis Armer, Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application September 19, 1934, Serial No. 744,656
1 Claim. (Cl. 36—32)




A footwear sole having a wearing surface simulating crepe rubber on one side and presenting on the other side a smooth surface to be attached to a shoe upper to form a complete article of footwear, said sole consisting of a fabric having on one side a layer of vulcanized dense rubber, a layer of sponge rubber constituting the wearing portion of the sole on said coating of dense rubber and formed in situ during vulcanization thereof to simulate a crepe rubber layer, and a tack-reducing layer on said sponge rubber layer.

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2,121,679

**FLOOR COVERING**

James Augustus Arvin and George Lewis Schwartz, Wilmington, Del., assignors to Krafelt Corporation of America, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 7, 1935, Serial No. 9,913
2 Claims. (Cl. 91—70)

1. In a process for producing in a single continuous operation a substantially filled and printed floor covering, the steps consisting of printing absorbent sheet material from the face with high viscosity, high pigment, low solvent content print paint the non-volatile part of which consists of from 55% to 70% pigment, and thereby through the application of said print paint alone in the printing step saturating the sheet in amount from 60% to 80% of the saturation capacity of the sheet, said paint penetrating and printing through the absorbent sheet sealing the pores toward the surface to an extent that the sheet will not accept from the face any substantial amount of additional filling material, and then applying saturant to the sheet from the back, and then curing the sheet at elevated temperature, the application of said saturant producing a substantially filled sheet at the curing stage.

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2,121,680

**COATING COMPOSITIONS**

James A. Arvin, Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 1, 1935, Serial No. 34,302
5 Claims. (Cl. 91—68)

1. An article of manufacture which comprises a rigid body coated with a composition comprising a non-heat hardening resin consisting essentially of ether linkages, said resin comprising the reaction product of a substantially unpolymerizable monomeric polyhydric phenol and an organic polyhalide free of ester groups whose halogen atoms are all attached to different carbon atoms which are in turn joined to other atoms by single bonds only.

4. As an article of manufacture metal having an adherent film of the resin defined in claim 1 and a top coat comprising a hardened film of divinyl acetylene polymer.

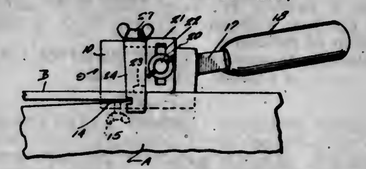
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2,121,681

**SHEET MATERIAL CUTTER**

Joseph A. Bassett, North Fork, Nev.

Application August 14, 1937, Serial No. 159,177
2 Claims. (Cl. 30—293)



2. In a sheet material stripping tool of the class described, a body including a work resting plate having down-turned spaced parallel longitudinal flanges, a shank, and a hand grip carried by said shank, one of said flanges being slotted to provide a blade accommodation and receiving sheath, a guard finger overlying said plate in spaced parallelism and provided at one end with a right angularly disposed attaching shank, said attaching shank being adjustably connected with the adjacent flange, a slotted-block-like gauge element slidably resting on said plate, one edge thereof being in abutting contact with the adjacent edge of that portion of the guard finger over-lying said plate, said gauge element being provided on said one edge with a lug interposed between the guard finger and plate, and a set-screw carried by said plate and independent of said guard finger and inserted through the slot in said gauge element.

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2,121,682

**FILLER ROD HOLDER**

Parks Boucher, Antlers, Okla.

Application June 23, 1936, Serial No. 86,867
1 Claim. (Cl. 113—111)



A rod holder comprising an elongated tube, a hollow handle at one end of the tube, a stationary transversely curved jaw member secured to the other end of the tube and extending laterally of each side thereof and at right angles to the length

of the tube, a plate fixed within said handle inwardly of the inner end thereof, an elongated rod extending longitudinally of the tube and slidable through said plate, a hook formed at one end of the rod and having the free end portion thereof engageable over an edge of said jaw member whereby to limit the inward movement of said rod, a spring in said handle engaging against said plate constantly urging said rod inwardly and longitudinally of the tube and handle, a spring tensioning nut threaded onto the inner end of said rod, and an operating member secured to the rod and projecting through the handle.

### 2,121,683
### CALCULATING MACHINE

Edwin F. Britten, Jr., Short Hills, N. J., assignor to Gardner Company, Orange, N. J., a corporation of Delaware

Application December 29, 1936, Serial No. 118,133
4 Claims. (Cl. 235—60)



1. In a key-set calculator including a plurality of columns of digital keys, register operating means including an electric motor, a normally open switch and differentially movable elements under control of said digital keys, and means including a manual key for accomplishing the closing of said switch; means displaceable to hold said digital keys in fully or partially depressed position, and means operable by the displaced holding means to hold said switch open notwithstanding the operation of said manual key when said digital keys are partially depressed.

### 2,121,684
### ARTIFICIAL LEATHER

Merlin Martin Brubaker, Wilmington, Del., and Leo Phillip Hubbuch, Springfield, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 15, 1936, Serial No. 85,416
2 Claims. (Cl. 91—68)

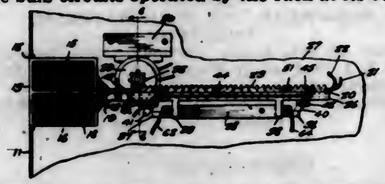
1. An artificial leather product which comprises a flexible fabric sheet provided with a tough, pliable coating of cellulose nitrate composition containing a softener consisting of a synthetic oil which comprises in chemical combination phthalic acid, a dihydric alcohol, and 40 to 70% by weight of the glyceride of coconut oil, said coating having an exudation temperature greater than 80° C. and having a high resistance to breaking upon rubbing coated faces of the artificial leather product together.

### 2,121,685
### DIRECTIONAL SIGNAL

Ira H. Crocker, Wilmot, S. Dak.

Application August 21, 1936, Serial No. 97,249
2 Claims. (Cl. 177—329)

1. An electrically operated directional signal for motor vehicles, comprising a signal lamp casing having two compartments on one side of which there are transparent right and left signs, bulbs in the respective compartments for indicating a right and left turn, a rack integral with the lamp casing, a track forming a sliding support for the rack, means for supporting the track on a vehicle, a reversing motor, a pinion driven by the motor engaging the rack, circuits for reversing the motor to project or to retract the lamp casing, circuits for the bulbs, circuit closers for the bulb circuits operated by the rack at its outer

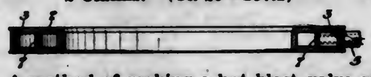


limit of movement to close the bulb circuits and operated upon the beginning of retracting movement to open the bulb circuits, circuit closers operated by the rack for controlling the motor circuits to reverse the field of the motor at each limit of movement of the rack, and a manually operable switch in the bulb circuits and in the motor circuits having two operative and one neutral position, in either operative position the projecting circuit of the motor being energized while in the neutral position the retracting circuit is energized.

### 2,121,686
### METHOD OF MAKING HOT-BLAST VALVE SEATS

Raymond H. Currie, Duquesne, Pa.

Application August 24, 1934, Serial No. 741,321
2 Claims. (Cl. 29—157.1)

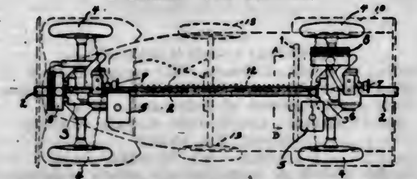


1. A method of making a hot-blast valve seat, including forming a ring from a solid piece of rolled metal, removing metal from said ring by way of its outer circumferential surface so as to form an outwardly facing channel ring whose walls are integral throughout and are of substantially equal thicknesses, and fastening a metal ring to said channel ring so as to close its face and to thereby form an enclosure which may receive cooling fluid.

### 2,121,687
### CROSS COUNTRY VEHICLE

Otto Daus, Hamburg, Germany

Application June 16, 1936, Serial No. 85,484
In Germany September 20, 1935
1 Claim. (Cl. 180—54)



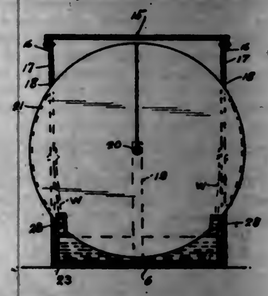
In a motor driven vehicle of the class described, including at least two pairs of driving wheels, separate axles for each pair of driving wheels, and a separate motor driving unit for each pair of the driving wheels, a tubular frame member extending completely through each of said driving units and comprising the sole support therefor, the axles of said driving wheels being operatively secured to the respective driving unit therefor, one of said driving units being rigidly secured to said tubular member, and the other of said driving units being pivotally secured to said tubular member.



### 2,121,688
### HOG OILER

Rudolf J. Dreessen, Douglas Township, Ida County, Iowa

Application March 8, 1937. Serial No. 129,711
3 Claims. (Cl. 119—157)

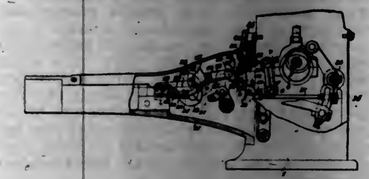


1. An apparatus of the class described comprising a casing with an oil trough in the bottom thereof, an upright wheel, means for journaling the wheel in the casing, said casing having slots through which portions of the periphery of the wheel when turning will protrude, and upright guards for the protruding portions of the wheel, disposed at opposite sides of said portions outside of the casing and having convex outer sides.

### 2,121,689
### SEWING MACHINE WITH LOOPER THREAD CONTROL

Fritz Ebert, Oberndorf-on-the-Neckar, Germany, assignor to Mauser-Werke A.-G., Oberndorf-on-the-Neckar, Germany, a joint-stock company of Germany

Application August 18, 1936, Serial No. 96,680
In Germany September 2, 1935
13 Claims. (Cl. 112—241)



1. In a sewing machine, a looper, a preliminary pull-off means for the looper thread, a thread clamp, a fixed cast-off and thread guides, and a control element in conjunction with the said pull-off means and the thread clamp comprising two curved portions each adapted to oscillate between the said cast-off and a fixed thread guide, and a transverse axle having a lever on which the control element and the pull-off means are mounted, the said pull-off means being driven by the oscillatory motion of the said lever.

### 2,121,690
### RESINOUS COATING COMPOSITIONS

Donald Edwards Edgar, Philadelphia, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

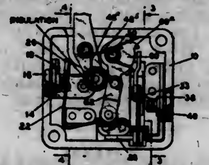
No Drawing. Application November 5, 1935, Serial No. 48,447
3 Claims. (Cl. 91—70)

1. An article of manufacture coated with a non-frosted and unwrinkled film of a baked resinous composition comprising urea-formaldehyde reaction product and substantial amount of polyhydric alcohol-polybasic acid resin modified with a substantial quantity of drying oil subject to frosting and wrinkling in the film which normally causes frosting and wrinkling in the films of such resins, said resin containing polyhydric alcohol in combined form in excess of from 5% to 30% of that required for complete esterification of the acid reactants.

### 2,121,691
### RESETTABLE CIRCUIT INTERRUPTER

Monroe Guett, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut

Application July 10, 1935, Serial No. 30,722
14 Claims. (Cl. 200—116)

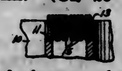


1. In a circuit interrupter, fixed and movable manually controlled contact members, fixed and movable automatically controlled contact members operable independently of the manually controlled contact members, mechanism for engaging and disengaging said automatically operable members comprising a plurality of pivotally connected links one of which is connected to said movable automatically operable contact member, means operated by the occurrence of an overload in the circuit to release said link mechanism, and a hand lever for moving said manually controlled contact members into engagement, said lever engaging directly with said manually movable contact member upon operation in one direction and directly with said link mechanism upon movement in the other direction, whereby said link mechanism may be reset.

### 2,121,692
### METHOD FOR CLOSING CRACKS IN CASTINGS AND THE LIKE

Newell Hays, El Paso, Tex.

Application November 23, 1936, Serial No. 112,390
1 Claim. (Cl. 29—148)



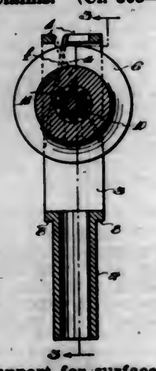
A method for closing cracks in castings and the like which comprises drilling spaced holes in the casting in a line generally along the line of the crack, channeling the face of the casting to dispose the holes along the center line of the channel, tapping said holes, inserting screws in the holes, and finally peening over the extremities of the screws to completely fill the channel with the metal thereof.

**2,121,693**
**ELECTRIC ARC WELDING**
**Hugh Moodie Henderson, Scunthorpe, England**
**Application March 31, 1936, Serial No. 71,953**
**In Great Britain April 1, 1935**
**6 Claims. (Cl. 219—10)**



1. The method of electric arc welding which consists in supplying the electric arc welding current direct to a metal welding wire, feeding said wire to the work through and relatively to a thick walled rigid tube which is linearly consumable at its end adjacent the work by heat conducted and radiated from the arc between said wire and work which tube by reason of its composition and wall thickness is consumable at a considerably lower rate than is the welding wire, said tube being composed at least mainly of non-metallic material which by being thus consumed continuously provides an annular supply of decomposition products around the arc substantially completely to protect the latter and the weld pool from the effects of the nitrogen and oxygen of the ambient air, and feeding said tube towards the work at the correspondingly reduced rate.

**2,121,694**
**ROD LINE CARRIER**
**Richard D. Hill, Wichita Falls, Tex., assignor of one-half to L. D. Mowrey, one-fourth to E. M. Robertson, and one-fourth to Ralph Decker, all of Wichita Falls, Tex.**
**Application February 4, 1935, Serial No. 5,066**
**Renewed May 25, 1937**
**8 Claims. (Cl. 308—7)**



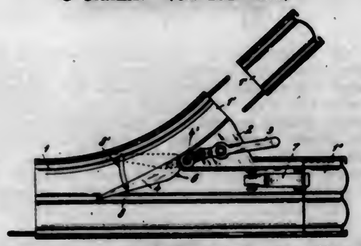
1. A roller support for surface pull rods comprising a grooved roller having a bearing affixed to its center and a pin extending therethrough, a mounting having a pair of arms in parallel relationship, said arms extending above the periphery of said roller and having alined openings intermediate the ends thereof and internal complementary grooves communicating with said openings and terminating at a point below said openings to receive the ends of said roller pin, said arms being substantially in the shape of right angle triangles inversely disposed and having their ends turned inwardly to define a diagonal slot to receive said pull rod whereby the latter will lie operatively between said arms and in the groove of said roller.

**2,121,695**
**POLYMERIZATION PROCESS**
**Rowland Hill, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain**
**No Drawing. Application October 13, 1936, Serial No. 105,444. In Great Britain October 23, 1935**
**3 Claims. (Cl. 260—2)**

1. A process for producing polymers which comprises heating in the presence of a catalyst an epoxy compound in which the oxygen is linked to adjacent carbon atoms in a carbocyclic ring, and continuing the heating until said epoxy compound is polymerized, said catalyst being selected from the class of active earths and clays.

2. In a process for making resins from cyclohexene oxide the step which comprises heating cyclohexene oxide with an active earth.

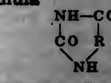
**2,121,696**
**SWITCH FOR TOY VEHICLE TRACKS**
**Ernst Horn, Nuremberg, Germany**
**Application November 18, 1936, Serial No. 111,514**
**In Germany May 20, 1936**
**3 Claims. (Cl. 104—130)**



1. A switch section adapted for insertion into a trough-shaped track body for the travel of a toy vehicle thereon, said switch comprising a pair of converging trough-shaped track portions merging into a single trough-shaped track portion, a swingable barrier pivotally attached to said section intermediate said converging portions and capable of being selectively positioned across the mouth of either of said converging portions, the working edge surfaces of said barrier being positioned at a height greater than the height of the wheels of a toy vehicle, said barrier being adapted to be moved aside by the engagement therewith of the body of a vehicle approaching from the trailing direction, at least one of said working surfaces adjacent the pivot of said barrier being outwardly convex to provide a surface for engaging a vehicle approaching from the trailing direction more nearly at right angles to the path of the vehicle than the remainder of said surface.

**2,121,697**
**SYNTHETIC RESINS**
**Ralph A. Jacobson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**No Drawing. Application April 14, 1937, Serial No. 136,923**
**14 Claims. (Cl. 260—3)**

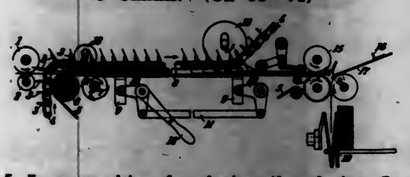
1. In a process for making resins the steps comprising heating in the presence of an alkali condensation catalyst a mixture of formaldehyde and a six-membered cyclic urea derivative, acidifying the reaction mixture, and evaporating water from the resulting product, said urea derivative having the formula



where R is a divalent radical having two and only two atoms in the ring of atoms forming the urea derivative, both of said atoms being carbon atoms.

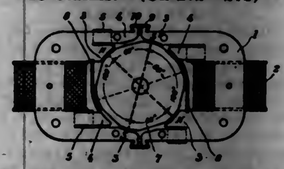


**2,121,698**
**DEVICE FOR DRYING THE CLOSING FLAPS OF LETTER ENVELOPES, BAGS, ETC.**
**Carl Hugo Jäger, Wuppertal-Elberfeld, Germany**
**Application December 6, 1935, Serial No. 53,274**
**In Germany December 6, 1934**
**5 Claims. (Cl. 93—74)**



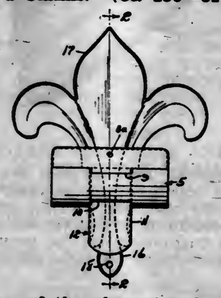
5. In a machine for drying the closing flaps of envelopes, bags and the like, a conveyor for moving the envelopes while drying the flaps, means for depositing envelopes having wet gummed flaps in spaced relation upon the conveyor, a second conveyor movable about and adjacent the first mentioned conveyor, means on said second conveyor engageable with said flaps for holding them out of contact with one another by changing the angular position of the flaps with respect to the bodies of the envelopes as the envelopes are moved along and movable at substantially the same speed as the first mentioned conveyor, and stop means for positioning the envelopes at a predetermined distance apart on the conveyor, said stop means comprising a rotatable roller having shoulders on its periphery, moving in the same direction as the envelopes deposited on the first mentioned conveyor.

**2,121,699**
**SELF-STARTING SINGLE-PHASE ALTERNATING CURRENT SYNCHRONOUS MOTOR**
**Otto Jansen, Berlin-Hermsdorf, Germany**
**Application August 22, 1936, Serial No. 97,470**
**In Germany February 17, 1936**
**15 Claims. (Cl. 172—278)**



1. A self-starting single-phase alternating current synchronous motor, comprising a stator having an exciting winding having four equally strong pronounced poles which are sub-divided into main and auxiliary poles, the main poles being arranged at unequal angular spacings of 60° and 120° with alternate poles of like polarity, and a rotor provided with six pole-projections and a cage winding, the parts being proportioned and arranged such that said main poles produce two rotating fields of different speeds and from said two fields a third asynchronous speed, somewhat higher than the synchronous speed corresponding to the smaller angular spacing and the rotor division, is obtained.

**2,121,700**
**SHADE FIXTURE**
**Laura Mable Kapsalis, Tarpon Springs, Fla.**
**Application September 17, 1937, Serial No. 164,413**
**4 Claims. (Cl. 156—31)**



1. A device of the character described, comprising, a body having registering slots and fashioned with a shade and stick engaging member, and a coacting shade and stick engaging member extending within some of said slots and coacting with said first mentioned member to secure said body to a shade and stick.

**2,121,701**
**DENTAL CLEANING AND MASSAGE DEVICE**
**John Landers, Omaha, Nebr.**
**Application December 22, 1936, Serial No. 117,217**
**1 Claim. (Cl. 15—227)**

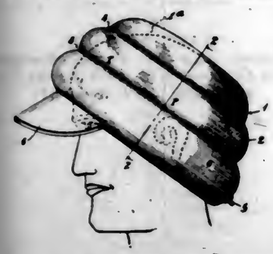


A dental cleaning and massaging device comprising a backing strip having its edges folded upon itself to define a recess for the reception of a dentifrice, means securing the edges in folded position, a destructible cover for the dentifrice and secured to the backing strip by said means, and a finger strip secured to the backing strip by said means.

**2,121,702**
**BASEBALL HEAD PROTECTOR**
**Edward Larkin, Washington, D. C.**
**Substitute for application Serial No. 639,689, October 26, 1932. This application August 10, 1937, Serial No. 158,412**
**2 Claims. (Cl. 2—3)**

1. A baseball head protector comprising an outer non-elastic casing encircling the head of

the player having an opening at the crown of the head, straps extending crosswise of the casing on its inner face, an elastic band passing between each of said straps and the adjacent portion of the casing and encircling the head of the wearer, said casing having a chamber cover-



ing the temporal, parietal and occipital bones and a single cell inflatable member adapted to fit within said chamber so that when inflated within the confining limits of the outer casing a pneumatic cushioning will be provided for the head, thus protecting the vital parts thereof.

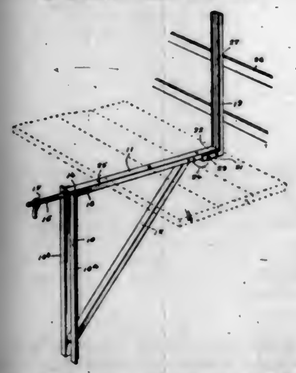
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**2,121,703**
**CORK TREATED PAPER PULP**
**Louis Leonard Larsen, Wilmington, Del., assignor to Krafelt Corporation of America, Wilmington, Del., a corporation of Delaware**
**No Drawing. Application March 7, 1935, Serial No. 9,901**
**8 Claims. (Cl. 92—21)**

1. A process for causing substantially uniform distribution of comminuted cork into paper pulp which comprises forming a dispersion of the cork in water containing a wetting agent and a dispersing agent, and intimately mixing the dispersion with the paper pulp.

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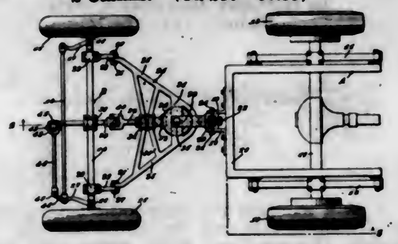
**2,121,704**
**SCAFFOLD BRACKET**
**Walter R. Leeworthy, Youngstown, Ohio**
**Application June 7, 1937, Serial No. 146,918**
**1 Claim. (Cl. 304—14)**



A scaffold bracket comprising a wall bar, a floor rail having a pivotal mounting with the wall bar at the upper end, a brace pivotally connected with the wall bar adjacent the lower end of the latter and having a releasable interlocking connection with the floor rail, an anchor stud secured to the floor rail, and a guard rail standard having a pivotal mounting with the floor rail at the end remote from the wall bar and means for releasably securing it in a position at right angles to the floor rail, the guard rail standard being formed with an angular end abutting the underface of the floor rail when the standard is in vertical position and the releasable securing means consisting of a pin passing through registering holes in the angular end of the guard rail standard and in the floor rail when the former is in vertical position.

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**2,121,705**
**TRAILER HITCH**
**Otto Emil Leines, Moose Jaw, Saskatchewan, Canada**
**Application November 16, 1937, Serial No. 174,887**
**2 Claims. (Cl. 280—33.55)**



1. A hitch for tow and trailer vehicles, the former having a chassis frame and the latter having a front axle, steering wheels and turning knuckle connections between the same comprising a coupling box vertically swingable on the chassis frame, a draft yoke swiveled in said coupling box, a gear having a seat for accommodating a portion of said yoke and holding the gear fixed within the latter, a draft frame attached for vertical swinging movement to the front axle and received in said yoke above said gear, a pin engaging the yoke, draft frame and gear and swingingly connecting the said draft frame and yoke with each other, a tie rod pivotally connecting the turning knuckles, a drag link associated with one of said knuckles, driven connections between the gear and the drag link and supported by said draft frame and front axle, respectively, and having a pinion meshing with said gear, and a universal joint between the said draft frame and the front axle.

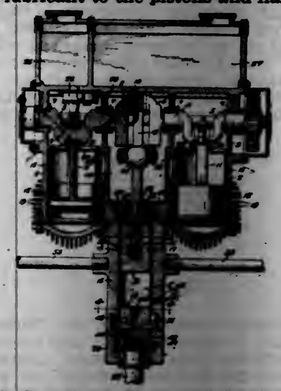
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**2,121,706**
**INTERNAL COMBUSTION ENGINE OPERATED DRILL**
**Daniel W. Little, Chicago, Ill.**
**Application July 14, 1937, Serial No. 153,615**
**2 Claims. (Cl. 123—7)**

1. A device of the character set forth comprising an engine base, a crank shaft operating in said base, cylinders connected to said base, pistons operating in said cylinders and connected to the crank shaft, an auxiliary crank formed on the crank shaft, a hammer cylinder carried by the first named cylinders, a hammer reciprocally mounted in the hammer cylinder, means connecting the hammer to the auxiliary crank, an anvil cylinder supported by the hammer cylinder, an anvil operable in the anvil cylinder and having a drill bit connected thereto and adapted to receive hammer blows by said hammer, means for lubricating the pistons and the hammer and the crank shaft and including a lubricant supply



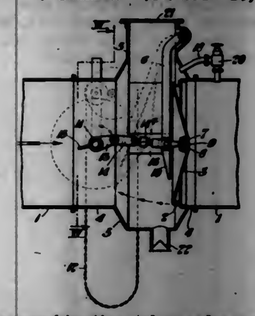
means, and pumps driven by the crank shaft for forcing lubricant to the pistons and hammer and



crank shaft and returning said lubricant to the lubricant supply means.

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**2,121,707**
**VALVE**
**Frank R. McGee, Steubenville, Ohio**
**Application March 5, 1936, Serial No. 67,362**
**7 Claims. (Cl. 251—10)**

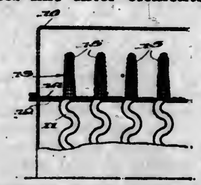


1. The combination of a valve seat arranged in a vertical plane, a valve for said seat, means for suspending said valve so it can swing between open and closed positions respecting said seat, a shaft journaled to transversely intersect the center line of said seat and in spaced relation respecting the latter, a crank symmetrically fixed to said shaft respecting said center line and a connecting-rod pivotally interconnecting the swinging end of said crank and the center of said valve, said rod being bent to clear said shaft when said crank swings the former toward the latter and said crank and said rod being arranged so their pivotally interconnecting parts move toward alinement with said center line as said valve swings toward said seat.

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**2,121,708**
**RADIATOR CONSTRUCTION**
**Joseph H. Miguel, St. Albans, N. Y., assignor to Louis E. Karcher, Middle Village, Long Island, N. Y., and himself, as copartners, trading under the name and style of Miguel Non-Clog Core Company**
**Application July 1, 1937, Serial No. 151,525**
**3 Claims. (Cl. 257—125)**

3. In a radiator comprising an upper tank and a plurality of vertical water channel members leading from said tank, the combination with said channels of a plurality of hollow elongated rib-like filter elements mounted in said upper tank, said rib-like filter elements, having sub-



stantially vertical side walls and each of said filter elements being positioned in said tank with the hollow portion thereof overlying the upper end of one of said water channels.

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**2,121,709**
**LEATHER-LIKE MATERIAL AND PROCESS OF PRODUCING SAME**
**John J. Moriarty, Toronto, Ontario, Canada, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**No Drawing. Application March 12, 1936, Serial No. 68,574**
**1 Claim. (Cl. 91—68)**

A process for the production of leather-like materials which comprises impregnating an absorbent sheet of felted textile fabric from but one of its surfaces to a portion only of its thickness with a cement comprising a solution of rubber in organic solvent of such viscosity to limit its impregnation to a portion only of the thickness of the fabric, drying the cement, then impregnating from the un-impregnated surface the remaining portion of the sheet with rubber latex, drying the impregnated fabric while maintaining it free from tension until substantially complete saturation of the fibers with the latex, consolidating the impregnated fabric through squeeze rolls, and coating with rubber that surface only of the impregnated fabric to which said solution of rubber was applied by spreading rubber cement over said surface to a thickness which permits embossing but which retains the fibrous appearance of the surface.

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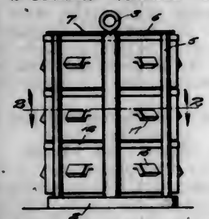
**2,121,710**
**THREADLESS INTERLOCKING ROTARY DRILL PIPE COUPLING**
**Adolph E. Nielsen, Alameda, Calif., assignor, by direct and mesne assignments, of one-sixth to John W. Ricketts, one-sixth to David A. Davini, and one-third to Randal F. Dickey, all of Alameda, Calif.**
**Application May 18, 1937, Serial No. 143,370**
**1 Claim. (Cl. 285—194)**



A coupling comprising male and female elements each having a bore therethrough and the female element provided with a tapered seat, a tapered portion formed on said male element to tightly fit the tapered bore of said female element and thereby prevent leakage between said male and female elements, said female element having packing grooves, packing in said grooves

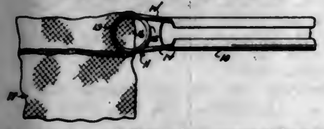
and engaging the tapered extension of the male element, groups of angularly related faces formed on the male and female elements and one group of each element being of a different diameter than the diameter of the other group, a split sleeve having internal faces shaped to match the angularly related faces of the male and female elements, a retaining sleeve fitting over the split sleeve and held against endwise movement by the female element, and a key carried by the male element engageable with the retaining sleeve to secure the latter against endwise movement in an opposite direction, and means for connecting well drill tubing to said male and female elements.

### 2,121,711
### CONDIMENT HOLDER
**Nickolas J. Patts, Dallas, Tex.**
**Application July 7, 1936, Serial No. 89,380**
**2 Claims. (Cl. 211—77)**



1. A holder for condiment receiving handled recessed containers, and comprising a substantially cylindrical housing having arcuate walled vertically arranged pockets disposed circumferentially about the same to receive the containers, spring arms struck from diametrically opposite sides of the walls of the pockets and arranged in horizontal companion pairs therein, and said arms having intermediate curved portions extending in gradually increasing spaced relation from the walls of the pockets toward the front of the latter and adapted for fitting engagement with the recesses in the containers for detachably securing the latter in the pockets for selective removal therefrom and replacement therein.

### 2,121,712
### SPRING CURTAIN THREADER
**Peter Petri, Pittsburgh, Pa.**
**Application December 22, 1936, Serial No. 117,236**
**3 Claims. (Cl. 223—105)**



1. A curtain rod threader comprising a spring wire deformed to provide diverging convolutions of a spiral adapted to enter and spread laterally the hem of the curtain, the ends of the wire being directed from the spiral to lie in the same plane and being provided near the extremities with bends forming jaws adapted to frictionally engage the flanges of a metal curtain rod and anchor the threader to the rod.

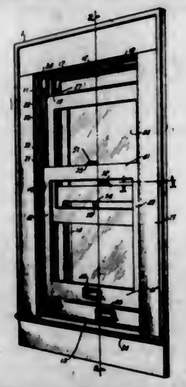
### 2,121,713
### ELECTRIC PLUG
**Frederick Pfeiffer, Freeport, N. Y.**
**Application October 30, 1936, Serial No. 108,490**
**2 Claims. (Cl. 173—343)**

1. An electric plug including male and female parts, a connector for said parts comprising a ring member rotatably carried by one part of the plug said part of the plug being provided with a flange having an annular groove in its perimeter, said ring member including a skirted portion, an annular rib on the inner surface of said skirted portion seated in said groove to secure the ring member against removal from said part of the plug, an interrupted annular flange on the other part of the plug and inter-engaging means be-



tween the ring member and a last named flange for rotatably connecting same, said inter-engaging means comprising an annular groove in the perimeter of the last named flange and an interrupted rib on the inner surface of the ring member seated in said last named groove and adapted for releasing this said other part of the plug from the ring member upon a predetermined rotating movement of the ring member.

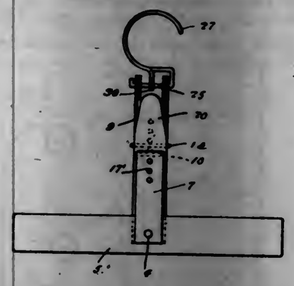
### 2,121,714
### WINDOW CONSTRUCTION
**Frederick B. Reese, Kansas City, Mo.**
**Application January 4, 1936, Serial No. 57,577**
**6 Claims. (Cl. 20—52)**



1. In a window construction, a frame having spaced guideways therein, pairs of sash mounted for sliding movement in each of the guideways, parting strips mounted in each of the guideways and having yieldable rib portions engaging between the sashes of each pair to form separate guideways for each individual sash, and means for attaching only the ends of the parting strips to the frame whereby the parting strips are shiftable incidental to sliding movement of the sash.

### 2,121,715
### TROUSERS HANGER
**Hugo F. Saenger, Milwaukee, Wis.**
**Application July 9, 1937, Serial No. 152,832**
**2 Claims. (Cl. 223—96)**

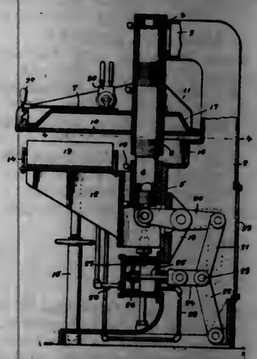
1. A device of the class described comprising a pair of pivoted jaws on a garment hanger and means detachable from the jaws for clamping the jaws together, said means comprising spaced abutments on the jaws, a U-shaped bail enclosing the jaws, a cam lever pivoted to the free end of the bail and including spaced parallel cam



lobes straddling one of the jaws and a pin extending between said cam lobes and selectively engageable with the abutments to retain the clamp in adjusted position on the jaws, the jaws including trousers engaging means.



### 2,121,716
### LEATHER CUTTING MACHINE
**William C. Shields, Bombay, N. Y.**
**Application October 15, 1936, Serial No. 105,806**
**1 Claim. (Cl. 164—23)**

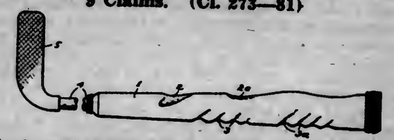


A leather cutting machine comprising a supporting structure including a hollow portion, vertically arranged bearings carried by said supporting structure, a shaft slidably supported by said bearings, a horizontally disposed work holder mounted on said supporting structure and having a vertical adjustment thereto and said supporting structure including an integrally formed extended portion arranged on the opposite side of the shaft from the work holder to provide a rest, a horizontally disposed presser journaled on the shaft and held against endwise movement thereon and including a heel portion to contact the rest for limiting the downward movement of the presser and to positively preclude further downward movement of the presser relative to said work holder when said heel portion contacts said rest, linkage mounted in the hollow portion of the supporting structure and connected to the shaft, and a manually controlled power means connected to said linkage.

### 2,121,717
### METHOD OF COATING FABRICS AND PRODUCT THEREOF
**David J. Sullivan, Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**No Drawing. Application May 11, 1935, Serial No. 20,983**
**1 Claim. (Cl. 91—68)**

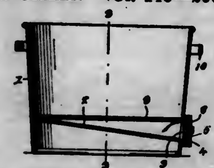
A process for applying an aqueous latex colloid to a fabric and coagulating the colloid on the surface of the fabric without more than superficial penetration of coagulated colloid into the fabric below the surface thereof and with retention of substantially the original flexibility of the fabric being coated, said process comprising saturating the fabric with a solution of latex coagulant capable of coagulating the latex so rapidly that subsequently applied latex coagulates on the surface of the fabric with at most superficial penetration, squeezing out the excess liquid, then drying the fabric, and applying by a spreading operation a coating of said aqueous latex colloid over at least one surface of the dried fabric.

### 2,121,718
### GOLF CLUB AND IMPLEMENT HANDLE
**Ernest J. Sweetland, Piedmont, Calif.**
**Application June 4, 1934, Serial No. 728,816**
**9 Claims. (Cl. 273—81)**



1. A golf club handle comprising a shaft, an end piece for receiving the end of said shaft, an envelope of covering material having its inner end secured to said shaft and its outer end secured to said end piece, a filling of plasticizable material between said shaft and said envelope, an aperture in said end piece through which said plasticizable material may be placed in or removed from the space between said shaft and said envelope.

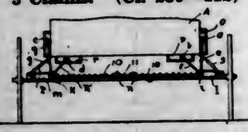
### 2,121,719
### VEGETABLE WASHER
**Frank Travaglini, Philadelphia, Pa.**
**Application April 7, 1936, Serial No. 73,147**
**2 Claims. (Cl. 146—203)**



1. A vegetable washer comprising a body having a side wall provided with an opening, a screen disposed within said body, a partition supported within the body below said screen and provided with a horizontally disposed flange throughout the greater portion of its periphery having its ends terminating short of said opening, said partition being concave and sloping toward said opening to provide a sump, said partition being provided with raised portions at each side of the opening adjacent to and outwardly of the ends of said flange, whereby a restricted passage is formed adjacent the opening having a size substantially equal to the size of the opening, the highest points of said raised portions being in the

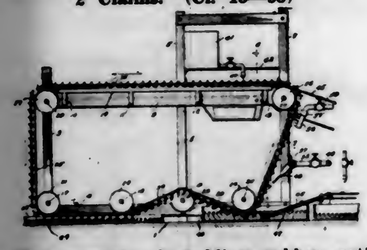
same horizontal plane as the flange, and said raised portions and flange adapted to engage said screen and support the latter in a horizontal plane above said opening.

2,121,720
**CONTROL FOR THE MOVEMENT OF VEHICLE BODIES**
Wolff von Wedelstaedt, Leipzig, Germany
Application October 22, 1937, Serial No. 170,457
In Germany August 29, 1936
5 Claims. (Cl. 280—112)



1. In a vehicle including running gear and a body, means connecting said body to said running gear and comprising the sole support for said body, said means being operable when said vehicle rounds a curve to automatically bank said vehicle to said curve to an angle commensurate with the speed of the vehicle and degree of the curve, said means including a slidable connection between said running gear and said body to permit a limited and variable lateral sliding of said body under the influence of the centrifugal force generated by the rounding of the curve, said connection including rigid means slidably and pivotally carried by said running gear and slidably and pivotally connected to said body, certain of said connecting means being actuated by said sliding of said body to raise the side thereof adjacent the long arc of the curve, and the remaining connecting means being similarly actuated to simultaneously lower the other side of said body.

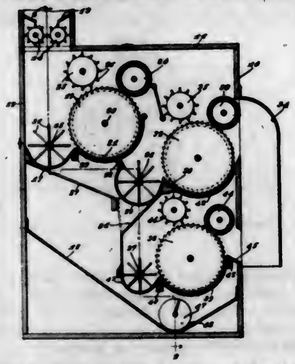
2,121,721
**PROCESS FOR MANUFACTURING ARTICLES FROM LATEX**
Harry Logue Welker, Williamsport, Pa.
Application September 18, 1935, Serial No. 41,138
2 Claims. (Cl. 18—58)



1. The process of molding rubber articles, which consists in coating a mold with a coagulant, applying rubber latex to the coagulant coating to form a film of rubber thereon, coating the rubber film with coagulant, and applying a stream of coagulant under pressure to remove the coagulated film from the mold and apply coagulant to the stripped mold.

2,121,722
**COTTON CLEANER**
Elam W. Wright, Abilene, Tex., assignor of forty per cent to Hattie Miller and ten per cent to J. W. Reid, both of Abilene, Tex.
Application May 10, 1937, Serial No. 141,783
2 Claims. (Cl. 19—37)

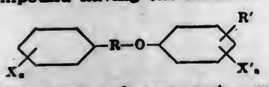
1. A cotton cleaner comprising a plurality of cleaner units adapted to operate successively upon hully cotton, a housing for the units; each unit including a saw cylinder, a cotton removing rotary brush engaging the cylinder, a spiked shaft and trough forming a conveyor for conveying hully cotton longitudinally of the cylinder, a knocker roller disposed between the conveyor and the brush, and blades on said spiked shaft



for ejecting hully cotton from the discharge end of one conveyor into the intake end of the next succeeding conveyor for recleaning the cotton; means for directing cleaned cotton from each unit, and means for directing hulls discharged from each conveyor unit in a unit mass out of the housing.

2,121,723
**ARALKYL ETHERS**
Shailer L. Bass, Midland, and Edward M. Van Duzee, deceased, late of Midland, Mich., by Clarence H. Macomber, administrator, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 10, 1937, Serial No. 147,474
12 Claims. (Cl. 260—150)

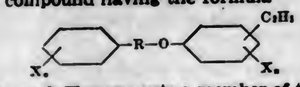
1. A compound having the formula



wherein X and X' each represent a member of the group consisting of the halogens and hydrogen, each $n$ is an integer not greater than 2, R represents an alkylene radical, and R' represents a substituent selected from the group consisting of the alkyl and alkoxy radicals containing at least 3 carbon atoms.

2,121,724
**ARALKYL ETHERS OF ETHYL-PHENOL COMPOUNDS**
Shailer L. Bass, Midland, Mich., and Edward M. Van Duzee, deceased, late of Midland, Mich., by Clarence H. Macomber, administrator, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 10, 1937, Serial No. 147,475
10 Claims. (Cl. 260—150)

1. A compound having the formula

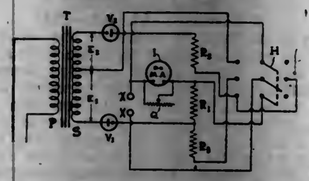


wherein each X represents a member of the group



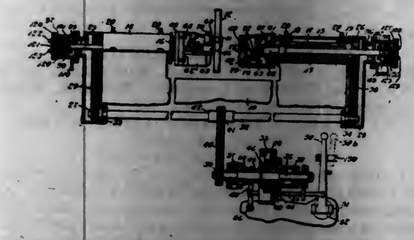
consisting of the halogens and hydrogen, each $n$ is an integer not greater than 2, and R represents an alkylene radical.

2,121,725
**CONDENSER TESTER**
Benjamin Baumzweiger, Cincinnati, Ohio, assignor of one-half to Floyd E. Hauss, Norwood, Ohio
Application May 2, 1936, Serial No. 77,596
4 Claims. (Cl. 175—183)



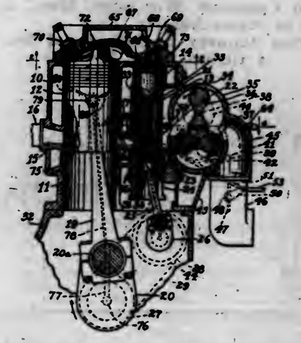
1. In a condenser tester, in combination, a condenser to be tested, a source of alternating current, two rectifiers connected in series conjunction across said source, two resistances connected in series in the circuit of and between said rectifiers, a direct current meter, said meter being connected between the junction of said resistances and a point between the ends of said source, means to removably connect a condenser to be tested between said point and one of said rectifiers, the location of said point being such as to reduce the current in said meter to zero upon the removal of said condenser.

2,121,726
**WORK SUPPORTING AND ROTATING MECHANISM**
Albert G. Belden, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application October 17, 1936, Serial No. 106,153
3 Claims. (Cl. 51—237)



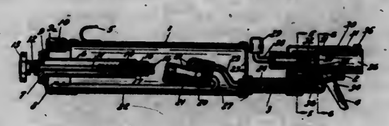
1. In a grinding machine, a work head, a hollow rotatable spindle supported therein, a work supporting member mounted on said spindle, a clamping jaw arranged to engage the work piece, a toggle arranged to operate said jaw, a slidable rod within said spindle, connections between the rod and toggle to actuate the latter, a cylinder mounted on the end of said head in axial alignment with said spindle and rod, a piston slidably mounted within said cylinder, an anti-friction bearing within said piston and connecting said piston with said rod, means to admit fluid under pressure to one side of said cylinder to move the rod so as to open said toggle and release said jaw, a compression spring within said cylinder and interposed between the other side of said cylinder and a cylinder head, a thrust plate between the cylinder head and the end of said spring, and means to adjust the position of said plate to increase or decrease the compression of said spring.

2,121,727
**TWO-CYCLE ENGINE**
Charles L. Bowden, Valparaiso, Ind.
Application June 4, 1934, Serial No. 728,953
11 Claims. (Cl. 123—53)



1. In a two cycle engine, the combination of a plurality of power cylinders, an auxiliary cylinder associated with and in open communication at its head end with each of said power cylinders, a power piston in each of said power cylinders, and an auxiliary piston in each of said auxiliary cylinders, said power cylinders having ports opened by the corresponding power pistons, each of said auxiliary cylinders having an intake port opened and closed by the corresponding auxiliary piston, each of said auxiliary pistons comprising a cylindrical member having an annular groove at its head end opening radially through its cylindrical surface and axially through its head end, said groove having a cylindrical wall spaced from the wall of the corresponding auxiliary cylinder and constituting a deflector, the axial extent of said groove being substantially less than the height of the corresponding intake port.

2,121,728
**BLOWTORCH AND ATTACHMENTS**
Carl C. Boyd, Rock Island, Ill.
Application July 10, 1935, Serial No. 30,631
4 Claims. (Cl. 158—33)



1. A blowtorch for operation either end up, horizontally, or any intermediate position, comprising an elongated body and a head arranged with their longitudinal axes substantially parallel so that the flame of the torch will be projected in the direction of the length of the body, said body having a valve therein whose discharge end is connected to the nozzle of the head, pipes connected to the valve and leading to opposite end portions of the body to draw fuel from the body and supply it to the valve, and said valve including automatically functioning means to close the discharge from one or the other of said pipes, depending upon the position of the torch with

relation to a horizontal plane, the pipes being connected one to each end of the valve and each pipe extending toward the opposite end of said body and into proximity thereto.

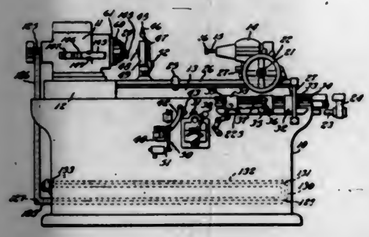
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**2,121,729**

## SIZING APPARATUS FOR INTERNAL GRINDING MACHINES

**Raymond A. Cole, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts**

**Application January 9, 1937, Serial No. 119,772**
**4 Claims. (Cl. 51—165)**



1. In an internal grinding machine, a grinding wheel, a work head having means to support and rotate a work piece, a table or carriage carrying one of the grinding wheels and the work head whereby the wheel may be advanced into the work piece bore and withdrawn therefrom, a source of light, lenses in front of the source of light so positioned that a beam will strike the work piece bore wall and be reflected thereby after coming to a focus, a photoelectric cell located in the path of the reflected beam, and electrical means operated by the photoelectric cell to cause a movement of the carriage carrying the grinding wheel out of the work piece.

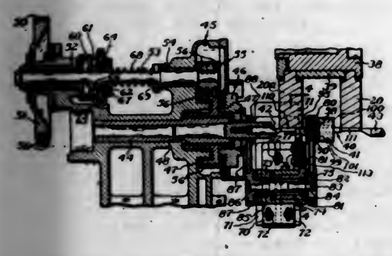
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**2,121,730**

## GRINDING MACHINE—WORK LOADING AND DRIVING MECHANISM

**Raymond A. Cole, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts**

**Application November 29, 1937, Serial No. 177,019**
**10 Claims. (Cl. 51—236)**



1. In a grinding machine having a pair of spaced rotatable grinding wheels arranged simultaneously to grind end portions of a cylindrical work piece, a rotatable work support including a headstock and footstock center, and a work loading and driving mechanism including a pivotally mounted arm, having a work receiving aperture adjacent to the end of said arm, a rotatable member supported on said arm and surrounding said aperture, and a work driver carried by said member which is arranged to drive the work piece at a point midway between its ends.

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**2,121,731**

## CELLULOSE ETHER RECOVERY

**William R. Collings, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan**

**No Drawing. Application July 30, 1936, Serial No. 93,428**
**2 Claims. (Cl. 260—152)**

1. In a method of treating the product obtained by reacting alkali cellulose with an excess of an alkyl halide at an elevated temperature and under super-atmospheric pressure, the steps which consist in mixing said reaction product with a sufficient quantity of an organic solvent for the cellulose ether to retain said ether in solution when the residual etherifying agent and volatile by-products are removed therefrom, said solvent being a liquid having a boiling point above that of said etherifying agent and being selected from the group consisting of the lower aromatic hydrocarbons, the mono- and di-chloro-lower aromatic hydrocarbons, chlorinated aliphatic hydrocarbons, lower aliphatic ketones, lower alkyl ethers, the aliphatic acid esters of lower aliphatic alcohols, and mixtures of the foregoing, the solvent being supplied at a temperature and pressure such that the mixture obtained has a heat content sufficient to vaporize said residual etherifying agent when the pressure on the mixture is reduced; reducing the pressure on the so-formed mixture to flash off unchanged etherifying agent and other constituents of the reaction mixture which are more volatile than the solvent employed, whereby the cellulose ether is subjected to a solvent exchange wherein the lower boiling solvent, comprising the residual etherifying agent, is removed and the cellulose ether remains in solution in the higher boiling solvent, while the alkali metal halide, formed in the reaction, is undissolved.

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**2,121,732**

## CELLULOSE ETHER RECOVERY

**William R. Collings, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan**

**No Drawing. Application August 1, 1936, Serial No. 93,763**
**2 Claims. (Cl. 260—152)**

1. In a method of treating the product obtained by reacting alkali cellulose with an excess of an alkyl halide at an elevated temperature and under super-atmospheric pressure, the steps which consist in mixing said reaction product with a sufficient quantity of a lower monohydric aliphatic alcohol to retain said ether in solution when the residual etherifying agents and volatile by-products are removed therefrom, said alcohol being a liquid having a boiling point above that of said etherifying agent, and being supplied at a temperature and pressure such that the mixture obtained has a heat content sufficient to vaporize said residual etherifying agent when the pressure on the mixture is reduced; reducing the pressure on the so-formed mixture to flash off unchanged etherifying agent and other constituents of the reaction mixture which are more volatile than the alcohol employed, whereby the cellulose ether is subjected to a solvent exchange wherein the lower boiling solvent, comprising the residual etherifying agent, is removed and the cellulose ether remains in solution in the relatively higher boiling alcoholic solvent, while the alkali metal halide, formed in the reaction, is undissolved.



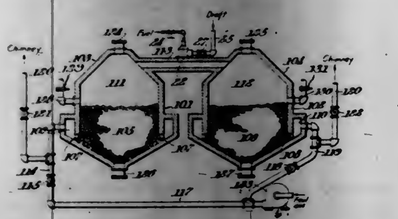
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**2,121,733**

## PURIFYING GASES AND APPARATUS THEREFOR

**Frederick G. Cottrell, Washington, D. C., assignor to Research Corporation, New York, N. Y., a corporation of New York**

**Application August 14, 1935, Serial No. 36,241**
**8 Claims. (Cl. 183—6)**



1. Process for thermal alteration of a gas, which comprises initially heating a portion of a body of gas-traversable heat-absorbing material to an elevated temperature $T_2$ at least equal to the thermal alteration temperature of the gas to be treated, whereby to create within said body a thermal alteration zone contiguous with another zone having a temperature materially below said thermal alteration temperature, forcing a stream of gas, at an entrant temperature $T_1$ which is materially lower than said thermal alteration temperature, through the body in one direction, whereby the gas is heated substantially to $T_2$ in passage through said thermal alteration zone and thereafter is cooled substantially below thermal alteration temperature by contact with a cooler portion of said body, the thermal alteration zone thereby being moved through said body in the direction of gas flow at a rate slower than the rate of passage of said gas, reversing the direction of gas flow before the thermal alteration zone has been substantially moved out of said body, whereby the thermal alteration zone is moved through said body in the reverse direction, and repeating the alternate movements of the gas, whereby the thermal alteration zone is reciprocated within said body.

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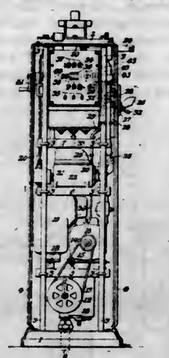
**2,121,734**

## LIQUID DISPENSING APPARATUS

**Cornelius A. Desimone, Bala Cynwyd, and Joseph C. Woodford, Haverford, Pa., assignors to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware**

**Application September 30, 1937, Serial No. 166,624**
**6 Claims. (Cl. 221—95)**

1. The combination with an electric switch; of a spring continually tending to open said switch; manually operative means for closing said switch; automatically operative switch controlling means permitting said switch to be manually opened and closed at any time, but including a manually operative lock lever for holding said switch in closed position, detent means for preventing operation of said lock lever; and means for releasing said detent means, including a manually rotary shaft, carrying a rotary eccentric, operatively related to an element of said detent means: said eccentric including a cam dog loosely journaled on said shaft, and a crank carried by said shaft for picking up and turning said dog with said shaft; whereby said detent is released only when said shaft and eccentric have been turned to a predetermined extent.



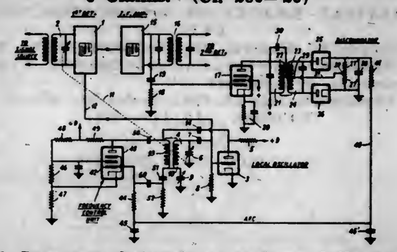
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**2,121,735**

## AUTOMATIC FREQUENCY CONTROL CIRCUIT

**Dudley E. Foster, Morristown, N. J., and Garrard Mountjoy, Bayside, N. Y., assignors to Radio Corporation of America, a corporation of Delaware**

**Application December 21, 1936, Serial No. 116,882**
**6 Claims. (Cl. 250—20)**



1. In a superheterodyne receiver of the type including a local oscillator having a tunable tank circuit, the tank circuit including reactive elements of opposite sign, an auxiliary condenser in series with the reactive elements of the tank circuit, a series combination of a resistor and condenser connected in shunt to the auxiliary condenser, a frequency control tube provided with an input control electrode and an output electrode, a radio frequency connection between the input electrode and the junction of said series resistor and condenser combination, and a radio frequency connection from the output electrode of the control tube to the tank circuit.

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**2,121,736**

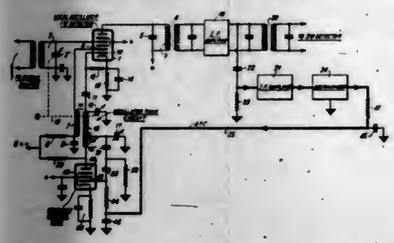
## AUTOMATIC FREQUENCY CONTROL CIRCUITS

**Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware**

**Application April 2, 1937, Serial No. 134,475**
**7 Claims. (Cl. 250—20)**

1. In a superheterodyne receiver circuit adapted for automatic frequency control, a control tube, a local oscillator tank circuit including a padding condenser, a condenser and a resistive impedance

in series with each other and both being connected across said padding condenser whereby part of the tank circuit current flows through the padding condenser and part through the series condenser and impedance, a connection for impressing on the control grid of the control tube alternating current voltage developed across said impedance, means magnetically coupling the out-



put circuit of the control tube to the tank circuit, means other than said magnetic coupling means reactively coupled to said tank circuit for producing local oscillations, and means connecting the control tube output circuit to said padding condenser whereby currents flowing in the output circuit are impressed on the tank circuit partially through said magnetic coupling and partially across said padding condenser.

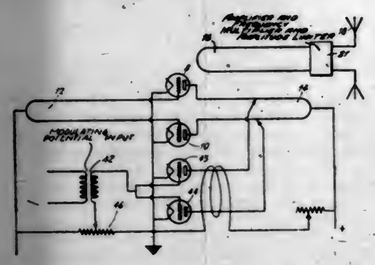
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**2,121,737**

**VARIABLE REACTANCE MODULATOR CIRCUIT**

**Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware**

**Application July 24, 1933, Serial No. 681,945**
**7 Claims. (Cl. 179—171)**



1. In combination a source of high frequency oscillations, a high frequency circuit coupled thereto, a load coupled to said circuit, an electron discharge device having an electron emitting cathode electrode and a relatively cold electrode spaced therefrom, said electrodes being coupled to said high frequency circuit, a circuit for applying a magnetic field to said electron discharge device whereby electrons are prevented from flowing from said electron emitting cathode to said cold electrode, and, a modulation circuit operatively associated with the electrons emanating from said cathode within said device for varying the distribution of electrons about said cathode and hence the capacity between said cathode and said cold electrode whereby the reactance of said high frequency circuit is varied in accordance with modulation energy in said modulation circuit and whereby the currents flowing in said load vary in accordance with said electronic distribution.

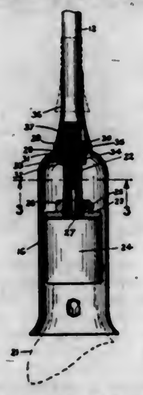
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**2,121,738**

**LIGHTING FIXTURE**

**Gordon B. Hurlbut, Middlebury, Conn., assignor to The Plume & Atwood Manufacturing Company, Waterbury, Conn., a corporation of Connecticut**

**Application May 21, 1937, Serial No. 144,009**
**1 Claim. (Cl. 240—78)**



In a lighting fixture, a supporting stem depending from a ceiling canopy, said stem having an exterior threaded portion of substantial length adjacent its lower end, a lamp socket mounted on the lower end of said stem and detachably secured against translation and rotation with respect thereto, an adjustable bushing screwed on said threaded portion, said bushing being exteriorly threaded at its upper end, a set screw passing through said bushing for detachable engagement with said threaded portion to lock said bushing at any desired height, said bushing having outstanding means intermediate its ends, a hollow shade holder surrounding said stem and lamp socket and having its upper end resting on said outstanding means, a locking nut screwed on the upper part of said bushing for clamping said holder against said outstanding means, and an elongated sleeve flared at its lower end loosely fitted upon said stem and resting by gravity upon said locking nut, said sleeve extending upwardly beyond the threaded portion of said stem and serving to conceal the threads of said stem and said bushing.

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**2,121,739**

**THREAD TENSIONING DEVICE FOR BRAIDING MACHINES AND THE LIKE**

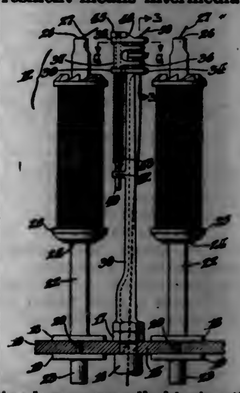
**Henry Janssen, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania**

**Application July 27, 1935, Serial No. 33,530**
**11 Claims. (Cl. 96—13)**

1. In a braiding machine and the like, the combination with a series of braiding carriers, of a stationary thread guide and tensioning device comprising a standard, aligned thread guide eyes spacedly positioned on said standard, a tensioning lever turnably mounted on the standard and swingable from thread holding to thread releasing position, a series of aligned guide eyes on said lever, a pin element supported by said standard



providing a pivotal mounting for said tensional lever, and resilient means intermediate said pin



and tensioning lever normally biasing the tensioning lever into thread holding position.

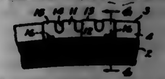
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**2,121,740**

**SKID-PREVENTING DEVICE FOR USE WITH VEHICLE TIRES**

**Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio**

**Application January 2, 1936, Serial No. 57,177**
**11 Claims. (Cl. 152—210)**



1. In a vehicle tire having a series of parallel, narrow, circumferential grooves in the tread portion thereof provided with opposed radial walls, said grooves being closely spaced and providing laterally flexible circumferential ribs between them, independently mounted skid-preventing elements radially disposed in and spaced laterally and circumferentially in the tread portion of said grooves, each of said elements comprising a flat member of hard, wear-resisting material having abutting engagement with said radial walls, and having an edge abutting the bottom of the groove within which the element is disposed, and means for anchoring said elements to contiguous flexible ribs, said elements being spaced laterally and circumferentially in the tread portion so that the portions of the ribs to which said elements are attached may flex laterally.

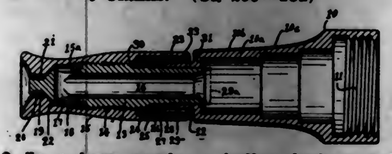
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**2,121,741**

**HOSE NOZZLE**

**Albert C. Lasher and Donald L. Spencer, Waterbury, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut**

**Application April 3, 1937, Serial No. 134,779**
**6 Claims. (Cl. 299—131)**



3. In a hose nozzle, a hollow body member having a reduced cylindrical neck at its forward end, a hollow stem comprising an intermediate enlarged exterior threaded section and a reduced smooth section defining a shoulder therebetween, a nozzle end axially adjustable with the threaded section of said stem and having a rearwardly extending skirt portion normally surrounding said neck, and a sealing unit permanently clamped between the annular end of said neck and said stem shoulder and cooperating with said skirt portion to effect a liquid seal between the relative movable parts.

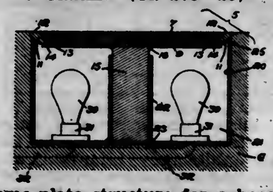
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**2,121,742**

**GAME APPARATUS**

**Thomas F. McLaughlin, Boston, Mass.**

**Application October 26, 1937, Serial No. 171,039**
**7 Claims. (Cl. 273—25)**



2. A home-plate structure for a baseball diamond, comprising, in combination, a housing adapted to be set in the ground and providing a compartment below the playing level; a plate unit including a resilient plate-forming element, translucent means bordering said element, and supporting means for said plate-forming element and said translucent means, said plate unit adapted for reception and positioning by the housing and providing a top cover for it; and a light source in the compartment in cooperative relation with said translucent means luminously to define the home-plate boundaries.

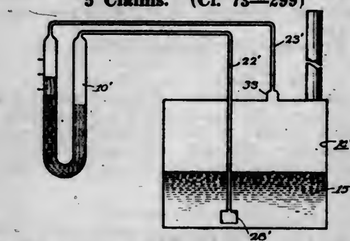
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**2,121,743**

**LIQUID GAUGE**

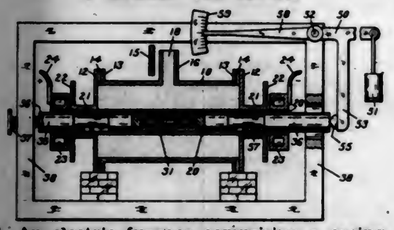
**Cornelius V. Oyen, Chicago, Ill.**

**Application February 21, 1927, Serial No. 169,721**
**5 Claims. (Cl. 73—299)**



5. The combination with a tank containing liquid and having a filler pipe extending upwardly thereabove, of an air chamber within said tank and communicating with the liquid at the depth to be measured, a pressure gauge, means for placing said air chamber and one side of said pressure gauge in communication, and means for placing the other side of said pressure gauge and said tank above the liquid in communication to equalize the pressure therebetween, said last mentioned means having an enlarged chamber at its point of communication with said tank and at a level below that of the upper end of said filler pipe so that the liquid does not pass beyond the enlarged chamber into the remaining portion when the level of liquid in said filler pipe is above said enlarged chamber.

2,121,744
**ELECTRIC FURNACE**
**Raymond R. Ridgway and Bruce L. Bailey, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts**
**Original application October 20, 1933, Serial No. 694,502. Divided and this application September 30, 1935, Serial No. 42,838**
**5 Claims. (Cl. 13—23)**



1. An electric furnace comprising a casing, a graphite resistor tube extending longitudinally within the casing and opening to the outside thereof, a graphite sleeve removably and slidably fitted within the central portion of said tube and supported throughout its length thereby, said sleeve being in both heat and electrically conductive relationship with the tube and arranged to be charged in situ with the substance to be heated, means including electric terminals and removable closures for the ends of the tube which form a circuit of high conductivity that localizes the electrically developed heat to the central portion of the resistor, heat insulation between the resistor and the casing and means for cooling the casing.

2,121,745
**COMPOSITION OF MATTER AND METHOD OF MAKING**
**Ernest D. Sackett, West Somerville, Mass., assignor of one-half to North American Holding Corporation, Syracuse, N. Y., a corporation of New York, and one-half to Parshad Holding Corporation, Syracuse, N. Y., a corporation of New York**
**No Drawing. Application April 5, 1935, Serial No. 14,799**
**10 Claims. (Cl. 106—3)**

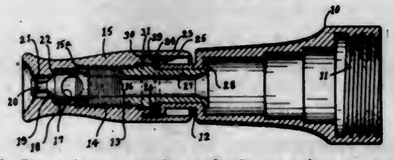
1. A plastic composition of matter adapted for use in shoe filler compositions, comprising a distillation residue of the substantially neutral, water-insoluble fraction obtained from the aqueous extract of wood having a volatilization point above 428° F.

2,121,746
**COMPOSITE ABRASIVE WHEEL**
**Baalis Sanford, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts**
**Application January 12, 1937, Serial No. 120,275**
**2 Claims. (Cl. 51—278)**



1. The method of making a composite abrasive wheel having a central support and an abrasive rim comprising the steps of premolding a heat settable material selected from the class consisting of an unconverted resinoid and a vulcanizable rubber compound, and thereby forming a plastic supporting body having substantially its final volume, separately molding a mixture of abrasive grains and a bond of the type selected for the support to form an abrasive rim, heat setting the rim to its final non-plastic condition, thereafter assembling the central support and rim in a pressure mold with a heat settable cement therebetween, pressing the wheel parts without distorting the rim and causing a plastic flow of the support into a firm union with the rim and heating the wheel to set the unconverted material of the support and cement into a final hard condition.

2,121,747
**HOSE NOZZLE**
**Albert J. Scholtes, Biloxi, Miss., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut**
**Application March 2, 1938, Serial No. 193,495**
**7 Claims. (Cl. 299—131)**

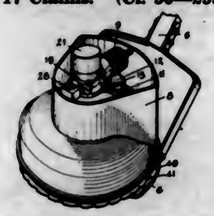


1. In a hose nozzle, a body member, a stem member carried by said body member, a nozzle end having axial adjustable engagement with said stem member, said nozzle end having a sleeve section surrounding and in spaced relation to the connecting portions of said body and stem members, a pliable sealing element engaged between said members and said sleeve, and means carried by said nozzle end for forcing said washer outwardly against the adjacent wall of said sleeve section each time the nozzle is adjusted to closed position.

2,121,748
**STABLE LIME SOAP GREASE**
**George A. Suit, Ponca City, Okla., assignor to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware**
**No Drawing. Application June 4, 1936, Serial No. 83,452**
**4 Claims. (Cl. 87—9)**

1. A grease comprising a semi-solid emulsion of heavy mineral oil, fatty acid-lime soap, 1–2% by weight of water, and 0.1%–0.2% phenyl-alpha-naphthylamine as a stabilizing agent for the emulsion adapted to prevent separation of its constituents.

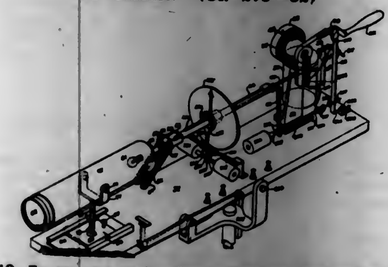
2,121,749
**MOWER**
**Bertis H. Urschel, Bowling Green, Ohio, assignor to The Urschel Engineering Company, Bowling Green, Ohio, a corporation of Ohio**
**Application May 7, 1936, Serial No. 78,297**
**17 Claims. (Cl. 56—255)**



1. In a grass cutter, a shell having a cylindrical part, a grass cutting blade part located at the lower edge of the cylindrical part, means for rotating the shell about a substantially vertical axis to cut and gather the cut portions of the grass on the surface of the cylindrical part of the shell and forwardly moving the shell over a supporting surface to maintain the cut grass on the surface of the shell and to deflect cut portions of the grass at one side of the swath cut by the blade part.



2,121,750
**GAME AND PRACTICE APPARATUS**
**John F. Vaughan, Belmont, Mass.**
**Application January 9, 1930, Serial No. 419,564**
**61 Claims. (Cl. 273—32)**



42. In an apparatus for indicating the potential distance of travel of an object, the combination with a projector for indicating by a movable spot of light the potential distance of travel of the object, of means for actuating the projector, and devices operating in accordance with the duration of time required by the object to travel a predetermined distance for controlling the operation of said actuating means.

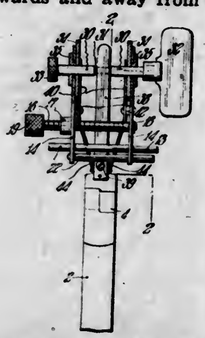
2,121,751
**CUTTING-OFF WHEEL**
**Duane E. Webster, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts**
**Application March 30, 1937, Serial No. 133,847**
**1 Claim. (Cl. 51—280)**




A cutting off wheel comprising a body of abrasive grains bonded by hard vulcanised rubber and having a thickness not greater than 0.025 inch and wherein the abrasive and rubber on each side of the wheel is substantially completely coated with a thin film of an infusible insoluble resinoid which strengthens the wheel and provides non-abrasive sides.

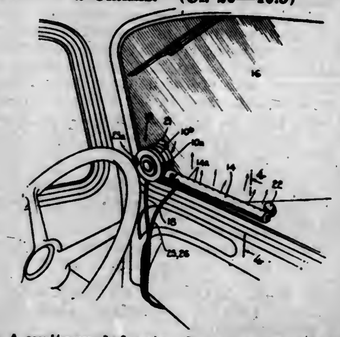
2,121,752
**CUTTING TOOL**
**Walter Williams, Springfield, Mass., assignor to Williams Jewelry Distributors Corp., Springfield, Mass., a corporation of Massachusetts**
**Application November 23, 1937, Serial No. 176,081**
**6 Claims. (Cl. 29—69)**

1. A cutting tool of the class described comprising in combination; a pair of work-clamping members pivoted together so as to have parts movable towards and away from one another, a support associated with one of said members including a pair of brackets pivoted so as to be movable towards and away from said members



in the direction of movement of the latter, a threaded rod rotatably associated with said brackets whereby the brackets may be moved axially thereof towards and away from one another and a rotatable cutter wheel associated with each of said brackets.

2,121,753
**WINDOW DEFROSTER**
**Edward S. Cornell, Jr., Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey**
**Application September 27, 1935, Serial No. 42,379**
**2 Claims. (Cl. 20—40.5)**

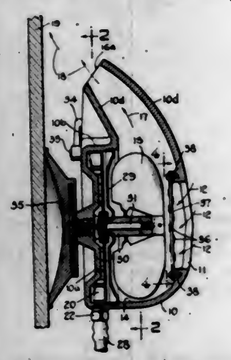


1. A unitary defroster for an automobile windshield or like glass device to be defrosted, comprising in combination casing means, detachable means for supporting said casing means in spaced relation to a face of such glass device, the side of said casing means adjacent such glass device being provided with an opening, a motor housed in said casing means, a compressor driven by said motor and housed in said casing means, said opening in the side of said casing means communicating with the portion of said casing means in which said compressor is located, said opening thereby serving as an air intake opening, and discharge means carried by said casing means and communicating with the portion of said casing means in which said compressor is housed and provided with discharge opening means located at the side of said discharge means adjacent to such glass device and directed toward and upwardly relative to such glass device, said

discharge means having a volumetric capacity for transmitting air under pressure supplied by said compressor.

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2,121,754
**DEFROSTER**
Edward S. Cornell, Jr., Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application February 1, 1936, Serial No. 61,850
2 Claims. (Cl. 20—40.5)



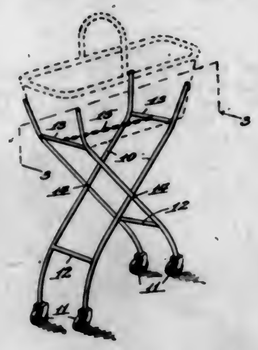
2. In a defroster possessing minimum visibility obstructing dimensions, the combination of a housing, means for supporting said housing upon a glass device, the wall of said housing on its side remote from the glass device being convex with respect to the glass device, channel means formed in said housing and including said convex wall of the housing, an air compressor mounted in said housing, a motor for actuating said air compressor, said motor being wholly disposed within said casing, said housing being provided on one side with an air ingress opening leading to said air compressor, the walls of said channel means including said convex side of the housing converging in the direction of air flow therethrough, said channel means having a discharge opening disposed at an acute angle to the plane of the glass device.

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2,121,755
**PROCESS FOR MAKING PATTERNED EFFECTS ON CREPE FABRICS AND PRODUCTS THEREFROM**
George Heberlein, Jun., Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 19, 1934, Serial No. 731,391. In Germany June 22, 1933
9 Claims. (Cl. 26—69)

1. A process for producing patterned effects on crepe fabrics, which comprises treating a crepe fabric containing highly twisted yarn which will shrink in the creping operation, at some time prior to its final shrinkage, to provide areas which are covered with a substantially insoluble binder, which areas are capable of resisting wet treatments of the usual creping operation, and then subjecting the fabric to creping treatment, causing the portions of the fabric untreated with the binder to crepe, and leaving the treated portions substantially uncreped and permanently covered with the substantially insoluble binder.

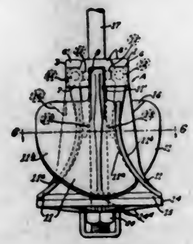
2,121,756
**MOBILE MERCHANDISING DEVICE**
John E. Heckert, Van Nuys, Calif., assignor by decree of court to Evelyn L. Heckert
Application July 26, 1937, Serial No. 155,751
1 Claim. (Cl. 280—41)



In a mobile merchandising device, a pair of practically identical frames, each comprising a pair of inclined legs, the intermediate portions of which legs are pivotally connected, casters carried by the lower ends of said legs, cross braces connecting the lower portions of the members of each pair of legs, cross braces connecting the upper portions of the members of each pair of legs, the upper portions of all of said legs above the upper cross bars diverging with respect to each other to form a pocket for the reception of a market basket or like receptacle and a flexible member connecting the intermediate portions of the upper pair of cross members.

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2,121,757
**EARTH ANCHOR**
Walter A. Heinrich, St. Louis, Mo., and Chester R. Pieper, La Crosse, Wis., assignors to Iron Products Corporation, La Crosse, Wis., a corporation of Wisconsin
Application October 26, 1936, Serial No. 107,738
3 Claims. (Cl. 189—92)



1. An earth anchor including a plurality of pivotally supported blades adapted for projection into undisturbed earth adjacent to a hole in the earth which receives the anchor in a bladefolded condition, said blades having edges which extend continuously and in an unbroken manner throughout their lengths, each of said blades

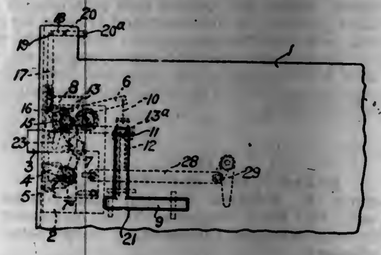


being disposed in angular overlapping relation with respect to an edge of one blade only of the associated blades when the blades are in their folded condition, and being itself angularly overlapped by still another single blade of the associated blades.

6. An earth anchor including a rod, a tamping block slidably supported by said rod, a plurality of blades pivotally supported by said tamping block, said tamping block comprising a pair of elements one of which includes a sleeve portion through which said rod extends, a portion of said sleeve portion of said one element being expanded in an opening formed in the other element so as to secure said elements together, trunnions formed on said blades, and complementary faces formed on said pairs of elements of which the tamping block is comprised which provide bearings for said trunnions.

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2,121,758
**DISAPPEARING DOOR HANDLE FOR AUTOMOBILES**
Emile Jones and Jesse C. Fincent, Lansing, Mich., assignors to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application June 12, 1934, Serial No. 730,342
5 Claims. (Cl. 70—208)

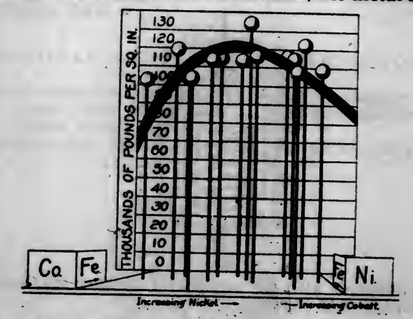


1. In a door lock of the character described, in combination with a door having an L-shaped cavity, a handle and shank constructed to fit said cavity flush with the outer surface of the door, a spring arranged to move the handle out of the cavity, the inner end of said shank being pivotally secured in said cavity, a sliding bolt, a spring arranged to project the bolt, a roll back arranged to move said bolt, a pivoted roll back lever, a link connecting said lever and the inner end of the handle shank whereby the movement of the handle outwardly withdraws the bolt, means for locking the handle from the outside of the door, and devices operated by the movements of the bolt for releasing and replacing the handle with respect to said cavity when the locking means are unlocked.

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2,121,759
**ALLOY**
Erwin F. Lowry, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Original application October 30, 1929, Serial No. 403,664. Divided and this application June 15, 1935, Serial No. 26,811
4 Claims. (Cl. 75—170)

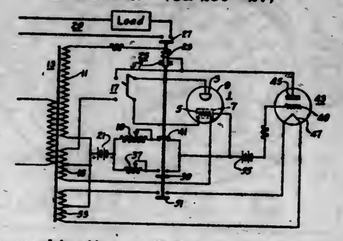
3. A cobalt-nickel base alloy consisting of cobalt and nickel in the aggregate amount of 80% to 95% by weight of the alloy, the cobalt ranging from 45% to 85% by weight and from 20% to 5% by weight iron and one of the following, titanium, manganese or vanadium, the metal se-




lected from the group being from 1% to 10% of the alloy.

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2,121,760
**ELECTRIC DISCHARGE DEVICE**
Erwin F. Lowry, Batavia, Ill., and Hymen Diamond, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 29, 1936, Serial No. 98,470
17 Claims. (Cl. 250—27)



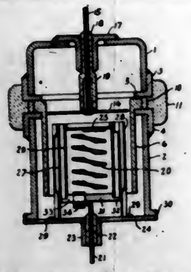

1. In combination, a first current path, a second current path, means tending to cause a current to flow in said current paths, the last said means being more effective in causing a current to flow in said first path than in said second path, whereby a current flows in said first path before it flows in said second path, means cooperative with said first path for preventing current from flowing in said second path when current flows in said first path, and means for causing current to flow in said second path as a result of the interruption of current flow in said first path.

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2,121,761
**HOT CATHODE TUBE WITH METAL ENVELOPE**
Erwin F. Lowry, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 4, 1936, Serial No. 57,537
9 Claims. (Cl. 250—27.5)

1. A discharge device comprising a cathode structure having a directly heated source of electrons, a lead for the heating current, a plurality of radiation shields therearound and an electrostatic guard surrounding said directly heated source and separating it from said radiation shields, said shields and guard being electrically connected together by a metallic support electrically continuous with a portion of the envelope.

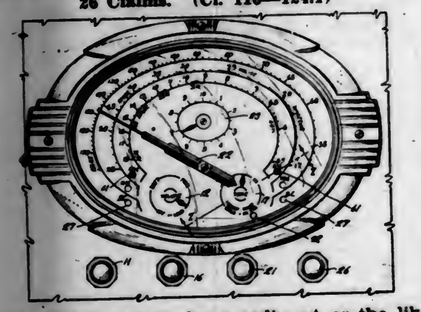
a seal separating said lead from said portion, another portion of the envelope being electrically



continuous with the anode and another seal separating said portions.

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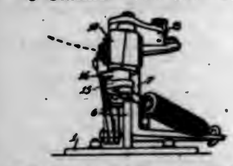
2,121,762
**RADIO RECEIVER DIAL APPARATUS**
**Richard C. Marholz, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois**
Application September 11, 1936, Serial No. 100,261
26 Claims. (Cl. 116—124.1)



1. Dial apparatus for a radio set or the like including a main tuning indication pointer movable through not more than approximately 180 degrees, and a dial having elliptically arranged calibrations thereon, the long axis of the ellipse being positioned above the rotational axis of the pointer but said elliptically arranged calibrations extending to each side of the rotational axis of the pointer and terminating on a longitudinal line substantially through said rotational axis.

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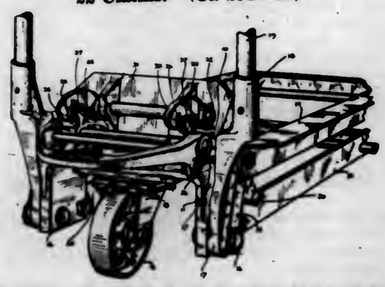
2,121,763
**TARGET TRAP**
**Arthur M. McCrea, Lamar, Mo., assignor to Western Cartridge Company, East Alton, Ill., a corporation of Delaware**
Application February 12, 1935, Serial No. 6,167
3 Claims. (Cl. 124—8)



1. In a target trap of the character described, a target carrier, means for swinging said carrier to throw the target, a shaft on which said carrier swings, and means for mounting said shaft at a definite inclination rearwardly and laterally with respect to the trap.

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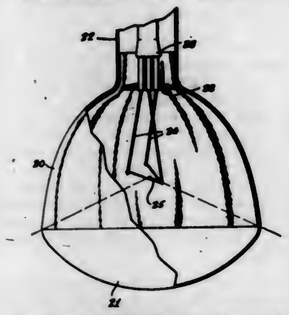
2,121,764
**HAND LIFT TRUCK**
**George Quayle, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Co., Stamford, Conn., a corporation of Connecticut**
Application March 8, 1935, Serial No. 9,952
22 Claims. (Cl. 254—10)



5. In a truck of the class described, an elevating platform, a lifting handle for elevating said platform, means for locking said platform in an elevated position, a foot operated treadle for releasing said locking means, and means whereby said locking means are deadlocked against release by said treadle until said elevating platform is elevated by said lifting handle slightly beyond said elevated position.

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2,121,765
**REFLECTING ELECTRIC LAMP**
**Clarence K. Reiman, Newton, and Joseph F. Cook, Jr., West Roxbury, Mass., assignors to Birdseye Electric Company, a corporation of Delaware**
Application November 25, 1935, Serial No. 51,364
9 Claims. (Cl. 176—34)



9. A reflecting electric lamp comprising a filament light source and a bulb having a reflecting surface upon a portion of its walls which is formed as a surface of revolution about the axis of the bulb by revolving as the generatrix a compound curve of such shape that the filament is completely hooded by the reflecting surface generated, said curve in all portions being concave toward the bulb axis, and the lower and the outer and major portion being a half catenary disposed with its axis intersecting the bulb axis at an acute angle.



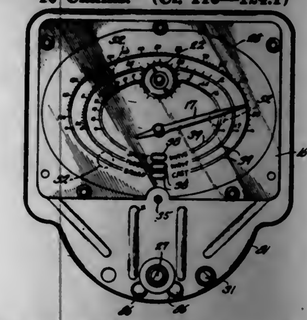
2,121,766
**DOOR HOLDER**
**Clifford P. Wicks, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut**
Application March 20, 1936, Serial No. 69,748
2 Claims. (Cl. 292—95)



2. In a combined door buffer and door holder, in which the door holder is a hook carried by means fixed to the door buffer, and the buffer has a rubber buffer portion, means supporting said hook above said rubber buffer portion, and a specially shaped upper surface on the buffer for directing gravitational movement of said hook into a downward hanging position in non-obstructing relation to the rubber buffer portion when said hook is released from holding relation to the door.

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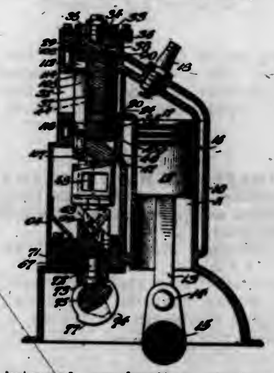
2,121,767
**TUNING AND INDICATING APPARATUS FOR RADIO RECEIVERS**
**Louis J. Wronke, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois**
Application June 29, 1936, Serial No. 87,892
10 Claims. (Cl. 116—124.1)



1. The combination of a radio tuning condenser having a condenser frame, a condenser shaft rotatable with respect thereto for adjusting the condenser, a housing support member drawn from a single piece of sheet metal and including a rearwardly cupped housing portion secured to said condenser frame, and an extension to one side of said cupped housing portion a dial secured to said cupped housing portion, an indicator movable with respect to said dial, and mechanism for moving said indicator supported entirely by the support structure including said housing support member and extension and said condenser frame, said mechanism including a gear segment mounted on said condenser shaft on which said indicator is also mounted, and a pinion engaging said gear segment and carried by a shaft spaced radially from said condenser shaft and independent thereof, and a micrometer indicator visible from in front of the dial operating over a micrometer scale and carried by said pinion shaft.

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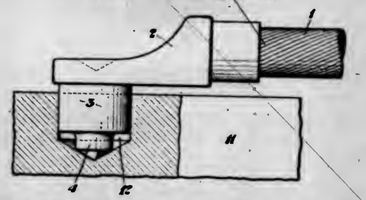
2,121,768
**OSCILLATORY VALVE FOR INTERNAL COMBUSTION ENGINES**
**Curt Bretschneider, Philadelphia, Pa., assignor of twenty-five percent to C. Alexander Hatfield, North Wales, Pa.**
Application January 29, 1938, Serial No. 187,612
14 Claims. (Cl. 123—81)



1. In internal combustion engines a valve chamber, a valve in the chamber, means for oscillating the valve in the chamber, and means for expanding the valve in the chamber in synchronism with the oscillations thereof.

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2,121,769
**RAIL BOND**
**John Statz, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey**
Application January 21, 1935, Serial No. 2,820
3 Claims. (Cl. 173—283)



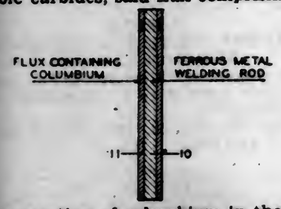
1. The combination of a railroad rail having a substantially cylindrically walled depression with a bottom formed therein, and a rail bond stud terminal having a substantially cylindrically sided solid stud insertable in said depression, said stud integrally having an end for contacting said bottom when said stud is inserted in said depression and a neck interconnecting said stud and said end, said neck being of less diameter than said stud and substantially concentric therewith, said neck being free from said bottom when said end contacts the same.

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2,121,770
**WELDING FLUX**
**Cecil G. Chadwick, West New York, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York**
Application August 1, 1934, Serial No. 737,899
4 Claims. (Cl. 148—24)

1. A flux for use in welding steels containing

more than about 2% chromium, to produce welds substantially free from non-metallic inclusions and soluble carbides, said flux comprising a sub-

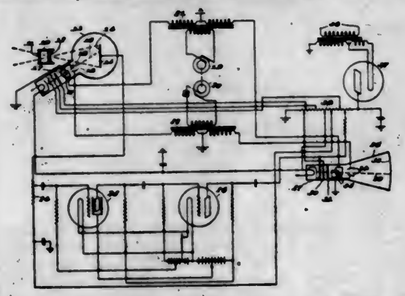



stantial proportion of columbium in the metallic state, silicon, and a slag-forming material composed of feldspar and calcium carbonate, the columbium forming about 10% to 40% of the flux.

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**2,121,771**
**PHOTOELECTRIC HAZE PENETRATOR**
**Herbert E. Jones, Colorado Springs, Colo., assignor, by mesne assignments, to Kansas City Testing Laboratory**
**Application July 27, 1934, Serial No. 737,311**
**8 Claims. (Cl. 178—6.8)**

1. A haze penetrator system comprising a filter which passes infrared rays, a cathode ray tube having a photo-electric mosaic screen, an electron gun and deflecting means, a lens associated with the filter and the screen for forming an inverted image of an object on said screen, a cathode ray receiving tube having an electron gun, a fluorescent screen and deflecting means, electrical connections between the screen of the first tube and the gun of the second tube for modulating the electron beam as it passes to the

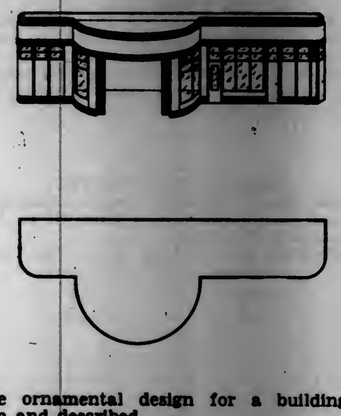


second tube, common sources of potential for deflecting the electron beams horizontally and vertically at the transmitter and receiver, and electrical connections between the deflecting member at the receiving station and the generator which invert the received image to form an erect image.

# DESIGNS

JUNE 21, 1938

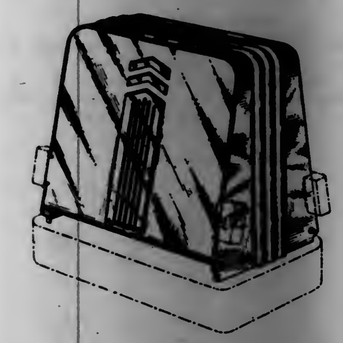
**110,138**
**DESIGN FOR A BUILDING**
**Ralph N. Aldrich and Alfred H. Jaehne, San Francisco, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware**
**Application March 2, 1938, Serial No. 75,499**
**Term of patent 7 years**



The ornamental design for a building, as shown and described.

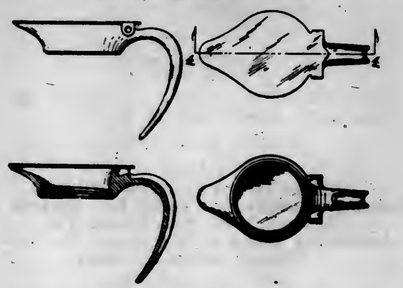
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**110,139**
**DESIGN FOR AN ELECTRIC BREAD TOASTER OR THE LIKE**
**David Chapman, Chicago, Ill., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri**
**Application April 18, 1938, Serial No. 76,592**
**Term of patent 7 years**



The ornamental design for an electric bread toaster or the like, substantially as shown and described.

**110,140**
**DESIGN FOR A PITCHER TOP OR SIMILAR ARTICLE**
**Theolian Gamble, Des Moines, Iowa**
**Application December 14, 1937, Serial No. 73,595**
**Term of patent 14 years**



The ornamental design for a pitcher top or similar article, substantially as shown.

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**110,141**
**DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE**
**Robert Geissmann, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y.**
**Application May 20, 1938, Serial No. 77,288**
**Term of patent 3½ years**



The ornamental design for a brooch pin or similar article, substantially as shown.

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**110,142**
**DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE**
**Robert Geissmann, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y.**
**Application May 20, 1938, Serial No. 77,289**
**Term of patent 3½ years**



The ornamental design for a brooch pin or similar article substantially as shown.

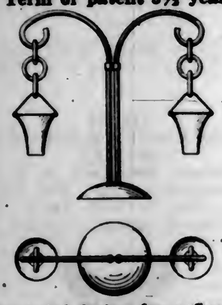
110,143
**DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE**
Robert Geissmann, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y.
Application May 20, 1938, Serial No. 77,290
Term of patent 3½ years



The ornamental design for a brooch pin or similar article substantially as shown.

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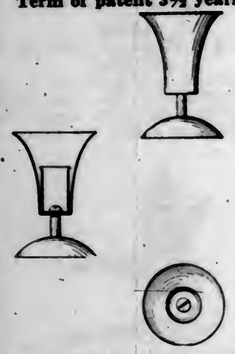
110,144
**DESIGN FOR A FLOWER HOLDER**
Gretchen Geoghnour, York, Pa., assignor to Lewis P. Weil, Philadelphia, Pa.
Application March 8, 1938, Serial No. 75,657
Term of patent 3½ years



The ornamental design for a flower holder, as shown.

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110,145
**DESIGN FOR A COMBINED CANDLESTICK AND FLOWER HOLDER**
Gretchen Geoghnour, York, Pa., assignor to Lewis P. Weil, Philadelphia, Pa.
Application March 8, 1938, Serial No. 75,658
Term of patent 3½ years



The ornamental design for a combined candlestick and flower holder, as shown and described.

110,146
**DESIGN FOR A FOUNTAIN SHELF RACK**
George B. Hume, Kansas City, Mo.
Application April 6, 1938, Serial No. 76,324
Term of patent 14 years



The ornamental design for a fountain shelf rack, as shown.

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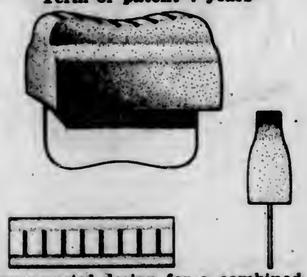
110,147
**DESIGN FOR A BOTTLE**
François Klotz, Asnieres, France, assignor to Pinaud Incorporated, New York, N. Y., a corporation of New York
Application May 5, 1938, Serial No. 77,020
Term of patent 14 years



The ornamental design for a bottle, as shown.

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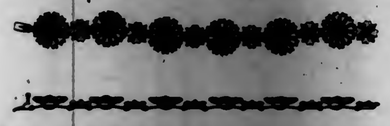
110,148
**DESIGN FOR A COMBINED FROZEN CONFECTION AND HANDLE**
Morris Lazow, Brooklyn, N. Y.
Application March 17, 1938, Serial No. 75,898
Term of patent 7 years



The ornamental design for a combined frozen confection and handle as shown.



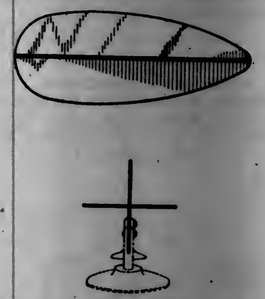
110,149
**DESIGN FOR A BRACELET**
Louis Maser, New York, N. Y.
Application April 21, 1938, Serial No. 76,669
Term of patent 3½ years



The ornamental design for a bracelet substantially as shown.

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110,150
**DESIGN FOR AN AUTOMOBILE AERIAL**
Robert D. McIntosh, River Forest, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 28, 1937, Serial No. 71,369
Term of patent 3½ years



The ornamental design for an automobile aerial, as shown and described.

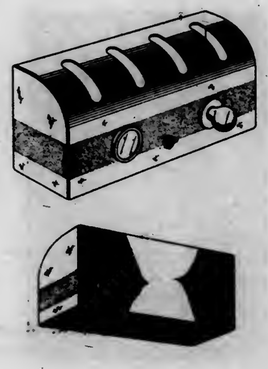
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110,151
**DESIGN FOR A LACE TABLECLOTH**
Walter C. Miller, Philadelphia, Pa., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa.
Application April 12, 1938, Serial No. 76,446
Term of patent 3½ years



The ornamental design for a lace tablecloth, substantially as shown and described.

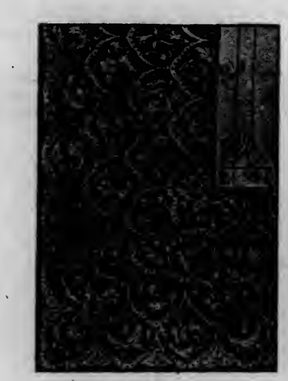
110,152
**DESIGN FOR AN ELECTRIC FENCE CONTROL CASING**
Sidney A. Moore, Milwaukee, Wis., assignor to The Prime Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 4, 1938, Serial No. 76,276
Term of patent 7 years



The ornamental design for an electric fence control casing, as shown.

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110,153
**DESIGN FOR A LACE TABLECLOTH**
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa.
Application April 12, 1938, Serial No. 76,448
Term of patent 3½ years



The ornamental design for a lace tablecloth, substantially as shown and described.

110,154
**DESIGN FOR A LACE TABLECLOTH**
Ferdinand P. Otte, Philadelphia, Pa., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa.
Application April 12, 1938, Serial No. 76,449
Term of patent 3½ years



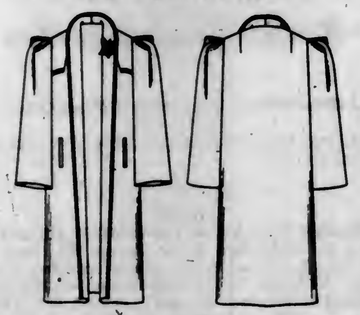
The ornamental design for a lace tablecloth substantially as shown and described.

110,155
**DESIGN FOR A BOX COVER**
James Quartz, Newton, Mass.
Application February 15, 1938, Serial No. 75,159
Term of patent 14 years



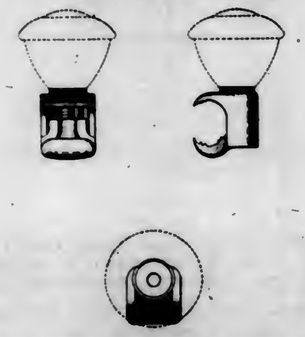
The ornamental design for a box cover as shown.

110,156
**DESIGN FOR A COAT**
Jacob A. Silverman, New York, N. Y.
Application April 13, 1938, Serial No. 76,477
Term of patent 3½ years



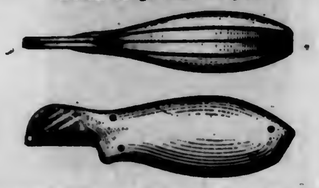
The ornamental design for a coat, substantially as shown and described.

110,157
**DESIGN FOR A COMBINED STEERING WHEEL KNOB AND BRACKET**
John Sinko, Oak Park, Ill.
Application March 21, 1938, Serial No. 75,998
Term of patent 14 years



The ornamental design for a combined steering wheel knob and bracket, as shown and described.

110,158
**DESIGN FOR AN ELECTRIC SHAVER**
Carl W. Stillwell, Dobbs Ferry, N. Y., assignor to General Theatres Equipment Corporation, New York, N. Y., a corporation of Delaware
Application October 16, 1937, Serial No. 72,238
Term of patent 14 years



The ornamental design for an electric shaver as shown.



110,159
**DESIGN FOR A BUOYANT WATERBOARD**
William H. Taylor, Seal Beach, Calif.
Application November 10, 1937, Serial No. 72,737
Term of patent 14 years



The ornamental design for a buoyant waterboard, as shown.

110,160
**DESIGN FOR AN ASHTRAY**
Frank Trottman, Los Angeles, Calif.
Application March 24, 1938, Serial No. 76,077
Term of patent 7 years



The ornamental design for an ashtray, as shown.

110,161
**DESIGN FOR A LACE TABLECLOTH**
William Wolf, Philadelphia, Pa., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa.
Application April 12, 1938, Serial No. 76,450
Term of patent 3½ years



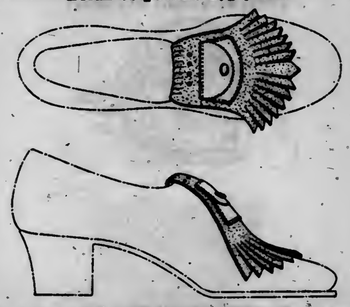
The ornamental design for a lace tablecloth, substantially as shown and described.

110,162
**DESIGN FOR A HEAD COVERING**
Theres Wyner, New York, N. Y.
Application May 3, 1938, Serial No. 76,944
Term of patent 7 years



The ornamental design for a head covering, substantially as shown.

110,163
**DESIGN FOR A SHOE**
Jerome Edson Andrews, Andover, Mass.
Application March 30, 1938, Serial No. 76,192
Term of patent 3½ years



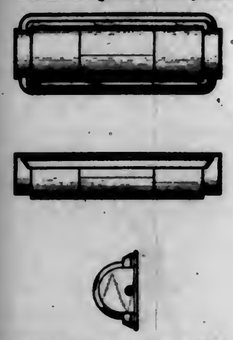
The ornamental design for a shoe substantially as shown and described.

110,164
**DESIGN FOR A LIGHTING FIXTURE**
Albert L. Arenberg, Highland Park, Ill.
Application November 11, 1937, Serial No. 72,791
Term of patent 14 years



The ornamental design for a lighting fixture, substantially as shown.

110,165
**DESIGN FOR A LIGHTING FIXTURE**
Albert L. Arenberg, Highland Park, Ill.
Application November 11, 1937, Serial No. 72,792
Term of patent 14 years



The ornamental design for a lighting fixture, substantially as shown.

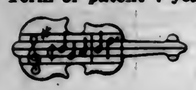
110,166
**DESIGN FOR A WRIST-WATCH**
Emanuel L. Arst, Brooklyn, N. Y.
Application March 17, 1938, Serial No. 75,896
Term of patent 3½ years





The ornamental design for a wrist-watch as shown.

110,167
**DESIGN FOR A BARRETTE**
Siegfried Behr, Flushing, N. Y., assignor to Ben Hur Products, Inc., New York, N. Y., a corporation of New York
Application March 24, 1938, Serial No. 76,071
Term of patent 7 years





The ornamental design for a barrette as shown.

110,168
**DESIGN FOR A HAT**
Martin Berg, New York, N. Y.
Application April 16, 1938, Serial No. 76,569
Term of patent 7 years



The ornamental design for a hat, as shown.

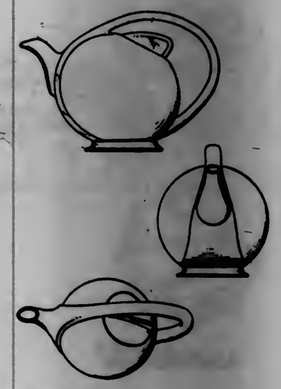
110,169
**DESIGN FOR A DRESS**
Morris Bloom, New York, N. Y.
Application May 20, 1938, Serial No. 77,295
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

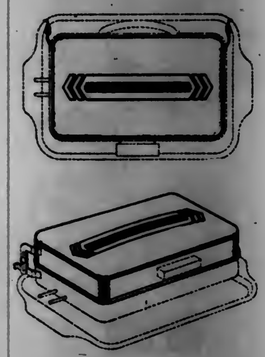


110,170
**DESIGN FOR A TEAPOT**
Leonard Brindley, East Liverpool, Ohio, assignor to The Hall China Company, East Liverpool, Ohio, a corporation of Ohio
Application February 24, 1938, Serial No. 75,393
Term of patent 7 years



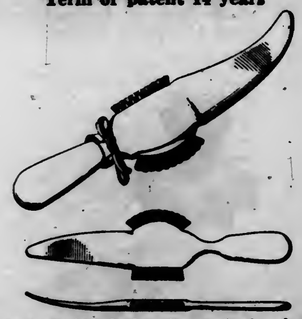
The ornamental design for a teapot, as shown.

110,171
**DESIGN FOR A SANDWICH TOASTER OR SIMILAR ARTICLE**
David Chapman, Chicago, Ill., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application April 18, 1938, Serial No. 76,593
Term of patent 7 years



The ornamental design for a sandwich toaster or similar article substantially as shown and described.

110,172
**DESIGN FOR A DEVICE FOR CLEANING SILVER AND OTHER WARE**
Elizabeth Darwin, Hollywood, Calif.
Application March 9, 1938, Serial No. 75,703
Term of patent 14 years



The ornamental design for a device for cleaning silver and other ware, substantially as shown and described.

110,173
**DESIGN FOR A LAMP SHADE OR SIMILAR ARTICLE**
Paul S. Donchian, Hartford, Conn.
Application August 2, 1937, Serial No. 70,775
Term of patent 14 years



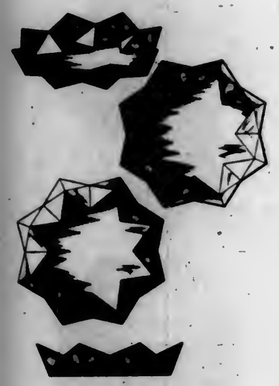
The ornamental design for a lamp shade or similar article substantially as shown and described.

110,174
**DESIGN FOR A LAMP BASE OR SIMILAR ARTICLE**
Paul S. Donchian, Hartford, Conn.
Application August 2, 1937, Serial No. 70,776
Term of patent 14 years



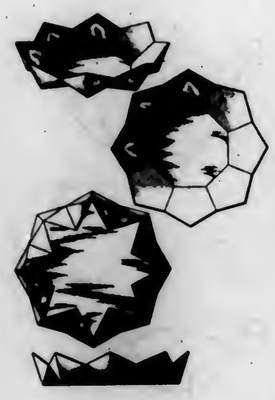
The ornamental design for a lamp base or similar article substantially as shown and described.

110,175
**DESIGN FOR A TRAY OR SIMILAR RECEPTACLE**
Paul S. Donchian, Hartford, Conn.
Application August 2, 1937, Serial No. 70,777
Term of patent 14 years



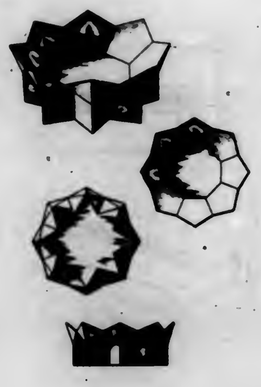
The ornamental design for a tray or similar receptacle substantially as shown and described.

110,176
**DESIGN FOR A TRAY OR SIMILAR RECEPTACLE**
Paul S. Donchian, Hartford, Conn.
Application August 2, 1937, Serial No. 70,778
Term of patent 14 years



The ornamental design for a tray or similar receptacle, substantially as shown and described.

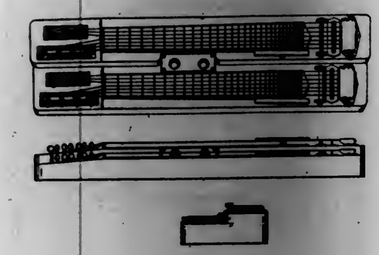
110,177
**DESIGN FOR A TRAY OR SIMILAR RECEPTACLE**
Paul S. Donchian, Hartford, Conn.
Application August 2, 1937, Serial No. 70,779
Term of patent 14 years



The ornamental design for a tray or similar receptacle, substantially as shown and described.

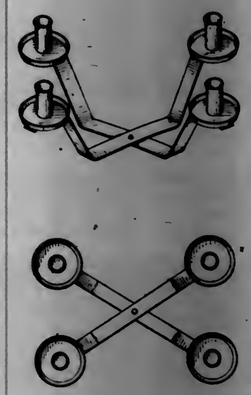


110,178
**DESIGN FOR A HAWAIIAN GUITAR**
Walter L. Fuller, Kalamazoo, Mich., assignor to Gibson, Inc., Kalamazoo, Mich., a corporation of Michigan
Application April 28, 1938, Serial No. 76,839
Term of patent 7 years



The ornamental design for a Hawaiian guitar, as shown.

110,179
**DESIGN FOR A CANDELABRA**
Gretchen Goughnour, York, Pa., assignor to Lewis P. Weil, Philadelphia, Pa.
Application March 8, 1938, Serial No. 75,656
Term of patent 3½ years



The ornamental design for a candelabra, as shown.

110,180
**DESIGN FOR A MEDICINE BOTTLE**
Charles d'Orville Pilkington Jackson, Edinburgh, Scotland, assignor to T. & H. Smith Limited, Edinburgh, Scotland, a British company
Application January 17, 1938, Serial No. 74,334
Term of patent 14 years



The ornamental design for a medicine bottle, as shown.

110,181
**DESIGN FOR A TEXTILE FABRIC**
Herman B. Lehman, New York, N. Y.
Application May 28, 1938, Serial No. 77,439
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

110,182
**DESIGN FOR A SHOE**
David Levin, New York, N. Y., assignor to Avon Shoe Co., New York, N. Y.
Application May 11, 1938, Serial No. 77,101
Term of patent 3½ years



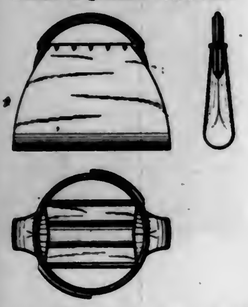
The ornamental design for a shoe, substantially as shown and described.

110,183
**DESIGN FOR A SHOE**
David Levin, New York, N. Y.
Application May 11, 1938, Serial No. 77,102
Term of patent 3½ years



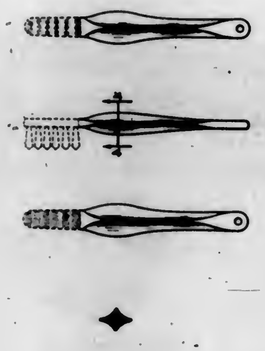
The ornamental design for a shoe, substantially as shown and described.

110,184
**DESIGN FOR A HANDBAG**
Rudolph Lobel, New York, N. Y.
Application April 27, 1938, Serial No. 76,764
Term of patent 3½ years



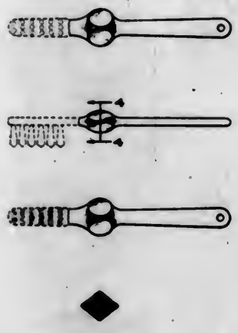
The ornamental design for a handbag, substantially as shown.

110,185
**DESIGN FOR A BRUSH**
Emery D. Lukenbill, Indianapolis, Ind.
Application October 25, 1937, Serial No. 72,469
Term of patent 14 years



The ornamental design for a brush, as shown and described.

110,186
**DESIGN FOR A BRUSH**
Emery D. Lukenbill, Indianapolis, Ind.
Application November 4, 1937, Serial No. 72,622
Term of patent 3½ years



The ornamental design for a brush, as shown and described.



110,187
**DESIGN FOR A SHIRT DISPLAY STAND**
Max C. Meyer, Brooklyn, N. Y.
Application February 4, 1938, Serial No. 74,856
Term of patent 3½ years



The ornamental design for a shirt display stand, as shown.

110,188
**DESIGN FOR A KNITTED FABRIC**
Jack Minoff, Newark, N. J.
Application May 14, 1938, Serial No. 77,189
Term of patent 14 years



The ornamental design for a knitted fabric substantially as shown.

110,189
**DESIGN FOR A KNITTED FABRIC**
Jack Minoff, Newark, N. J.
Application May 14, 1938, Serial No. 77,191
Term of patent 14 years



The ornamental design for a knitted fabric substantially as shown.

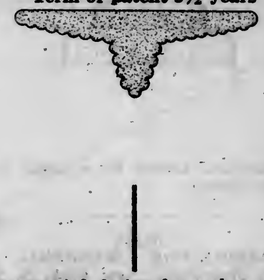


110,190
**DESIGN FOR A KNITTED FABRIC**
Jack Minoff, Newark, N. J.
Application May 20, 1938, Serial No. 77,301
Term of patent 14 years



The ornamental design for a knitted fabric substantially as shown.

110,191
**DESIGN FOR A SHOE RETAINER**
Elizabeth J. O'Brien, Boston, Mass.
Application July 17, 1936, Serial No. 63,908
Term of patent 3½ years



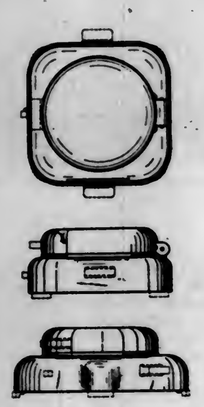
The ornamental design for a shoe retainer, as shown and described.

110,192
**DESIGN FOR A LACE TABLECLOTH**
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa.
Application April 12, 1938, Serial No. 76,447
Term of patent 3½ years



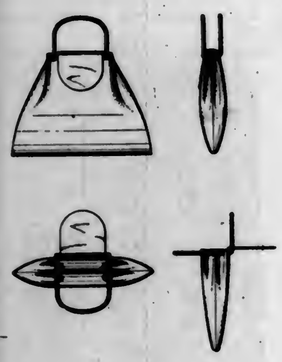
The ornamental design for a lace tablecloth substantially as shown and described.

110,193
**DESIGN FOR A WAFFLE IRON**
Joseph Pavelka, Jr., St. Louis, Mo., assignor to Joseph Pavelka, St. Louis, Mo.
Application March 12, 1938, Serial No. 75,778
Term of patent 7 years



The ornamental design for a waffle iron substantially as shown.

110,194
**DESIGN FOR A HANDBAG**
Harry Rosenberg, New York, N. Y.
Application April 28, 1938, Serial No. 76,783
Term of patent 3½ years



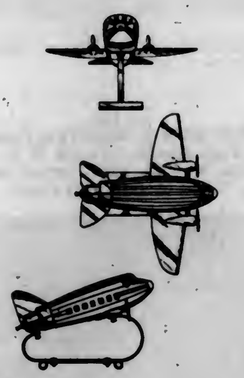
The ornamental design for a handbag substantially as shown and described.

110,195
**DESIGN FOR A PORTABLE LAMP**
Isidore Scheinberg, Baltimore, Md.
Application July 7, 1937, Serial No. 70,289
Term of patent 3½ years



The ornamental design for a portable lamp, as shown.

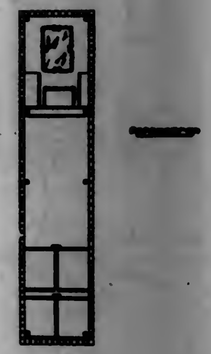
110,196
**DESIGN FOR A LAMP**
Ray A. Schober, Chicago, Ill., assignor to Premium Products Mfg. Co., Chicago, Ill., a partnership composed of Ray A. Schober and Nate Asher
Application February 18, 1938, Serial No. 75,244
Term of patent 3½ years



The ornamental design for a lamp, substantially as shown.

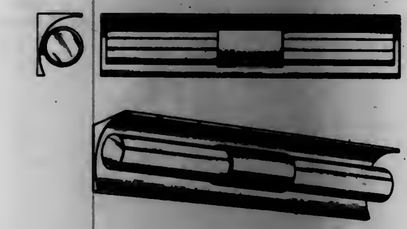


110,197
**DESIGN FOR A TOILET DRESSING HANGER**
Robert Shapiro, New York, N. Y.
Application April 19, 1938, Serial No. 76,606
Term of patent 14 years



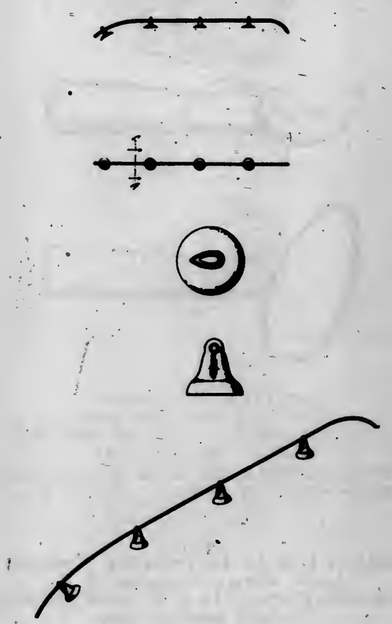
The ornamental design for a toilet dressing hanger, substantially as shown and described.

110,198
**DESIGN FOR A LIGHTING FIXTURE OR SIMILAR ARTICLE**
Lemuel L. Stewart, Chicago, Ill., assignor to The Adlake Company, a corporation of Illinois
Application May 10, 1937, Serial No. 69,273
Term of patent 14 years



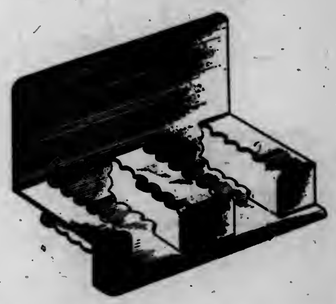
The ornamental design for a lighting fixture or similar article, substantially as shown.

110,199
**DESIGN FOR AN ANTENNA FOR AUTOMOBILE RADIOS**
John Raymond Stimps, Shelby, Mont.
Application March 4, 1936, Serial No. 61,467
Term of patent 14 years



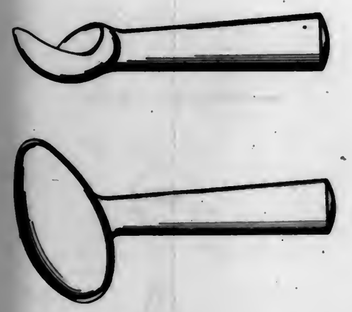
The ornamental design for an antenna for automobile radios, as shown and described.

110,200
**DESIGN FOR A MERCHANDISE DISPLAY RACK**
Frederick A. Sunderhauf, Rutherford, N. J., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application April 22, 1938, Serial No. 76,697
Term of patent 7 years



The ornamental design for a merchandise display rack, as shown.

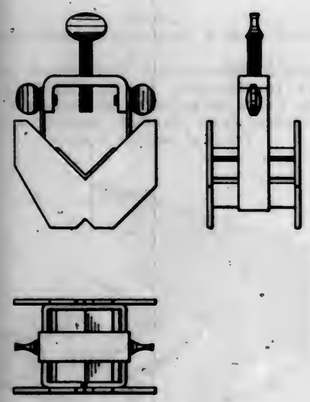
**110,201**
**DESIGN FOR AN ICE CREAM DIPPER OR SIMILAR ARTICLE**
**Ernest E. Tutsch, La Crosse, Wis.**
**Application April 21, 1938, Serial No. 76,679**
**Term of patent 7 years**



The ornamental design for an ice cream dipper or similar article, as shown.

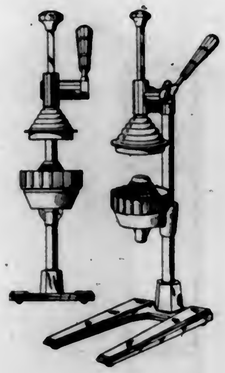
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**110,202**
**DESIGN FOR AN ADJUSTABLE V-BLOCK**
**Leo J. Werner, Arlington, N. J.**
**Application February 14, 1938, Serial No. 75,128**
**Term of patent 7 years**



The ornamental design for an adjustable V-block, as shown.

**110,203**
**DESIGN FOR A FRUIT JUICER**
**Samuel Bloomfield, Chicago, Ill.**
**Application April 13, 1938, Serial No. 76,480**
**Term of patent 7 years**



The ornamental design for a fruit juicer, as shown.

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**110,204**
**DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR THE LIKE**
**Michael Chernow, Brooklyn, N. Y.**
**Application March 8, 1938, Serial No. 75,665**
**Term of patent 7 years**




The ornamental design for an alphabet for forming monograms or the like, substantially as shown.



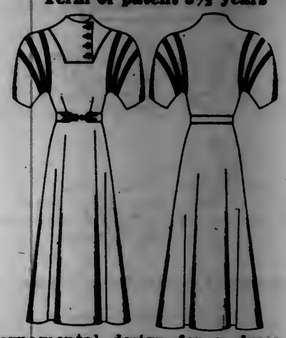
**110,205**
**DESIGN FOR A DRESS**
**Tora Coleman, New York, N. Y.**
**Application May 27, 1938, Serial No. 77,418**
**Term of patent 3½ years**



The ornamental design for a dress substantially as shown.

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**110,206**
**DESIGN FOR A DRESS**
**Tora Coleman, New York, N. Y.**
**Application May 27, 1938, Serial No. 77,419**
**Term of patent 3½ years**



The ornamental design for a dress substantially as shown.

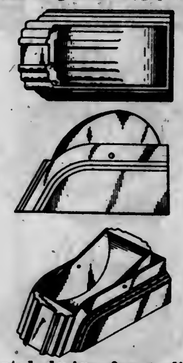
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**110,207**
**DESIGN FOR A TRAY OR SIMILAR ARTICLE**
**Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware**
**Application November 16, 1936, Serial No. 65,927**
**Term of patent 7 years**



The ornamental design for a tray or similar article substantially as shown and described.

**110,208**
**DESIGN FOR A DISPLAY BOX**
**Joseph Dinstman, New York, N. Y.**
**Application February 9, 1938, Serial No. 74,988**
**Term of patent 3½ years**



The ornamental design for a display box, as shown.

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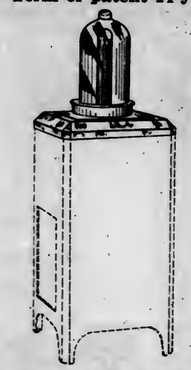
**110,209**
**DESIGN FOR A JACKET**
**Alice Engel, New York, N. Y.**
**Application March 30, 1938, Serial No. 76,171**
**Term of patent 3½ years**



The ornamental design for a jacket, substantially as shown.

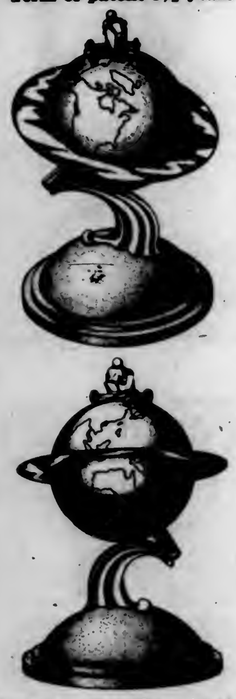
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**110,210**
**DESIGN FOR A CABINET FOR A CHLORINATOR**
**Roy Blair Everson, Chicago, Ill.**
**Application April 5, 1937, Serial No. 68,559**
**Term of patent 14 years**



The ornamental design for a cabinet for a chlorinator, substantially as shown, and described.

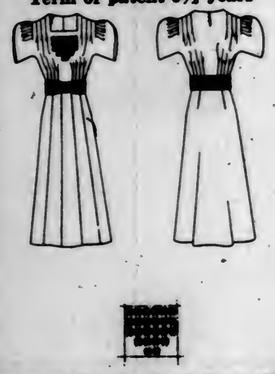
110,211
**DESIGN FOR A TROPHY**
Clarence P. Fisken, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 18, 1937, Serial No. 72,292
Term of patent 3½ years



The ornamental design for a trophy as shown.

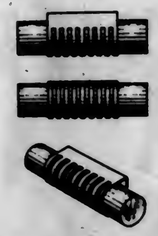
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110,212
**DESIGN FOR A DRESS**
Pauline Fracchia, New York, N. Y.
Application May 7, 1938, Serial No. 77,060
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

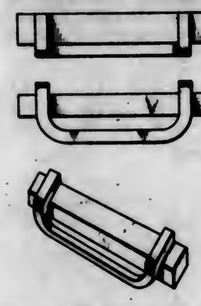
110,212
**DESIGN FOR A DRAWER PULL**
Cornell D. Hasenberg, Evansville, Ind.
Application March 21, 1938, Serial No. 75,981
Term of patent 3½ years



The ornamental design for a drawer pull as shown.

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110,214
**DESIGN FOR A DRAWER PULL**
Cornell D. Hasenberg, Evansville, Ind.
Application March 21, 1938, Serial No. 75,982
Term of patent 3½ years



The ornamental design for a drawer pull, as shown.

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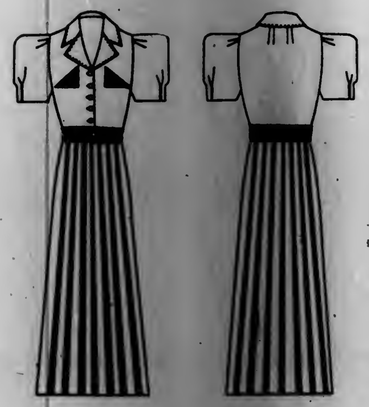
110,215
**DESIGN FOR A COAT**
Joseph Henschel, New York, N. Y.
Application April 22, 1938, Serial No. 76,687
Term of patent 3½ years



The ornamental design for a coat substantially as shown and described.



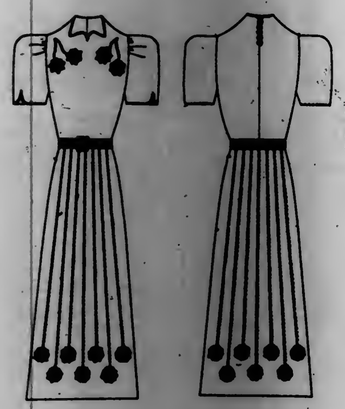
110,216
**DESIGN FOR A DRESS**
Beatrice Chudnoff Kalish, New York, N. Y.
Application April 30, 1938, Serial No. 76,889
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

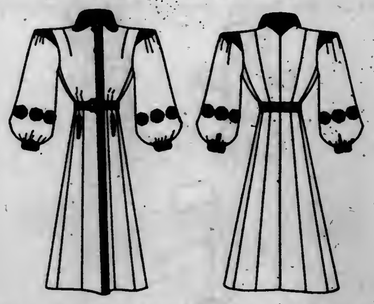
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110,217
**DESIGN FOR A DRESS**
Jacob J. Kushner, New York, N. Y.
Application April 23, 1938, Serial No. 76,710
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

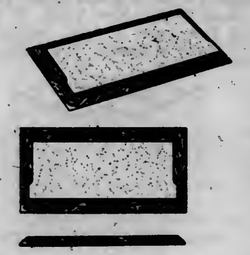
110,218
**DESIGN FOR A COAT**
Salvatore Lo Prete, New York, N. Y.
Application May 6, 1938, Serial No. 77,033
Term of patent 3½ years



The ornamental design for a coat substantially as shown.

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110,219
**DESIGN FOR A GRAVE MARKER**
Joseph M. Majewski, Jr., Kansas City, Mo.
Application October 1, 1937, Serial No. 71,905
Term of patent 14 years



The ornamental design for a grave marker, substantially as shown and described.

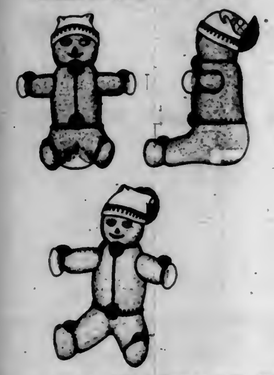
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110,220
**DESIGN FOR A DRESS**
Mary Porpora, New York, N. Y.
Application May 25, 1938, Serial No. 77,369
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

110,221
**DESIGN FOR A DOLL**
Kathryn Queen, Cleveland, Ohio
Application April 4, 1938, Serial No. 76,262
Term of patent 7 years



The ornamental design for a doll, substantially as shown.

110,222
**DESIGN FOR A BRACELET CHAIN**
Saul Ritter, New York, N. Y.
Application December 1, 1937, Serial No. 73,285
Term of patent 3½ years



The ornamental design for a bracelet chain, as shown.

110,223
**DESIGN FOR A DRESS**
Ludwig Rothenberg, New York, N. Y.
Application May 27, 1938, Serial No. 77,417
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

110,224
**DESIGN FOR A DRESS**
Harry T. Schakne, New York, N. Y.
Application December 9, 1937, Serial No. 73,503
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

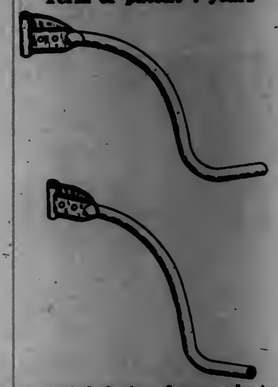
110,225
**DESIGN FOR A PLAY BALL GOAL**
William A. Schutt, Litchfield, Ill.
Application April 13, 1937, Serial No. 68,735
Term of patent 7 years



The ornamental design for a play ball goal, as shown.

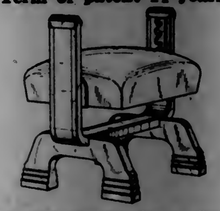


110,226
**DESIGN FOR A VELOCIPEDE FRAME MEMBER**
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application April 11, 1938, Serial No. 76,440
Term of patent 7 years



The ornamental design for a velocipede frame member substantially as shown.

110,227
**DESIGN FOR A FOOT REST**
Henry C. Stoll, Bronx, N. Y., assignor of one-half to Rudolph Koll, Bronx, N. Y.
Application May 19, 1938, Serial No. 77,274
Term of patent 14 years



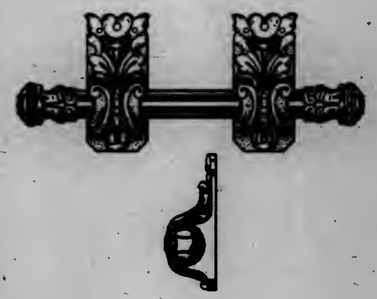
The ornamental design for a foot rest, substantially as shown.

110,228
**DESIGN FOR A HANDLE FOR A CASKET OR THE LIKE**
Edwin H. Thoresen, Chicago, Ill., assignor to William Thoresen Company, Chicago, Ill., a corporation of Illinois
Application April 9, 1938, Serial No. 76,407
Term of patent 3½ years



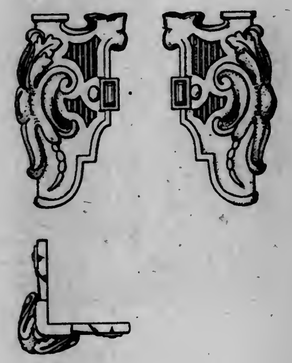
The ornamental design for a handle for a casket or the like, substantially as shown.

110,229
**DESIGN FOR A HANDLE FOR A CASKET OR THE LIKE**
Edwin H. Thoresen, Chicago, Ill., assignor to William Thoresen Company, Chicago, Ill., a corporation of Illinois
Application April 9, 1938, Serial No. 76,408
Term of patent 3½ years



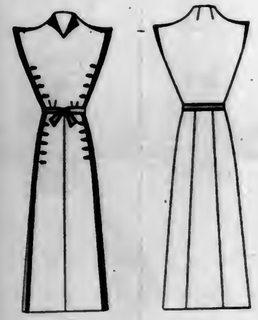
The ornamental design for a handle for a casket or the like, substantially as shown.

110,230
**DESIGN FOR A CORNER ORNAMENT FOR A CASKET OR THE LIKE**
Edwin H. Thoresen, Chicago, Ill., assignor to William Thoresen Company, Chicago, Ill., a corporation of Illinois
Application April 9, 1938, Serial No. 76,409
Term of patent 3½ years



The ornamental design for a corner ornament for a casket or the like, substantially as shown.

**110,231**
**DESIGN FOR A DRESS**
**Mildred Wagner, New York, N. Y.**
**Application April 21, 1938, Serial No. 76,655**
**Term of patent 3½ years**



The ornamental design for a dress, substantially as shown and described.

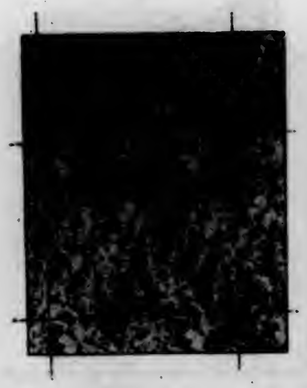
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**110,232**
**DESIGN FOR LACE**
**Isaac Zendman, Jr., New York, N. Y.**
**Application May 28, 1938, Serial No. 77,443**
**Term of patent 3½ years**



The ornamental design for lace, substantially as shown, and described.

**110,233**
**DESIGN FOR LACE**
**Isaac Zendman, Jr., New York, N. Y.**
**Application May 28, 1938, Serial No. 77,444**
**Term of patent 3½ years**



The ornamental design for lace, substantially as shown, and described.

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**110,234**
**DESIGN FOR LACE**
**Isaac Zendman, Jr., New York, N. Y.**
**Application May 28, 1938, Serial No. 77,445**
**Term of patent 3½ years**



The ornamental design for lace, substantially as shown, and described.

Patents Nos. 2,121,772 to 2,122,898

THE
# OFFICIAL GAZETTE
OF THE
## United States Patent Office

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### June 28, 1938

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| Trade-Marks | 202—No. | 388,033 to No. | 388,234, inclusive. |
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| Prints | 22—No. | 16,901 to No. | 16,922, inclusive. |
| Reissues | 4—No. | 20,772 to No. | 20,775, inclusive. |
| Patents | 622—No. | 2,121,773 to No. | 2,122,394, inclusive. |
| Designs | 30—No. | 110,205 to No. | 110,232, inclusive. |
| Total | 901 | | |

## NOTICE

[PUBLIC—No. 498—75TH CONGRESS]
[CHAPTER 188—3D SESSION]
[S. 477]
AN ACT

To prevent fraud, deception, or other improper practice in connection with business before the United States Patent Office, and for other purposes.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled*, That it shall be unlawful for any person who has not been duly recognised to practice before the United States Patent Office in accordance with the provisions of section 487 of the Revised Statutes (U. S. C., title 35, sec. 11) and the rules of the Patent Office to hold himself out or knowingly permit himself to be held out as a patent solicitor, patent agent, or patent attorney, or otherwise in any manner hold himself out, either directly or indirectly, as authorized to represent applicants for patent in their business before the Patent Office, and it shall be unlawful for any person who has, under the authority of section 487 of the Revised Statutes (U. S. C., title 35, sec. 11) been disbarred or excluded from practice before the Patent Office, and has not been reinstated, to hold himself out in any manner whatever as entitled to represent or assist persons in the transaction of business before the Patent Office or any division thereof; and any offense against the foregoing provision shall be a misdemeanor and be punished by a fine of not less than $50 and not exceeding $500.

Approved, May 9, 1938.

## Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., May 26, 1938.*

*Mildred Alice Berkeley, her assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of The Doerman Shoe Mfg. Co., South Milwaukee, Wis., to effect the cancellation of trade-mark registration No. 201,507, issued July 28, 1925, to Mildred Alice Berkeley, 1111 Grand Avenue, Kansas City, Mo., and a notice of such proceeding sent by registered mail to said Berkeley at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Berkeley, her assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

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U. S. PATENT OFFICE, *Washington, D. C., June 8, 1938.*

*Domestic Mills Company, Inc., its assigns or legal representatives, take notice:*

A cancellation proceeding having been instituted by this Office upon the application of North Star Woolen Mill Company, Minneapolis, Minn., to effect the cancellation of trade-mark registration No. 149,034, issued December 6, 1921, to Domestic Mills Company, Inc., 341 Middlesex Street, Lowell, Mass., and a notice of such proceeding sent by registered mail to said Domestic Mills Company, Inc., at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Domestic Mills Company, Inc., its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

## Condition of Applications Under Examination at Close of Business June 11, 1938

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,233; Trade-Mark Division, 1,561. Oldest new case, Nov. 2, 1937. oldest amended, Oct. 7 1937.)
(The dates given are 1938 except where † indicates 1937)

| Room No. | Divisions, Examiners, and Subjects of Inventions | Oldest new application awaiting office action: New | Oldest new application awaiting office action: Amended | No. of applications awaiting action |
|---|---|---|---|---|
| 6624 | 1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage. | Jan. 6 | Jan. 13 | 783 |
| 6706 | 2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture. | Jan. 13 | Jan. 5 | 961 |
| 4088 | 3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces | Apr. 12 | Apr. 6 | 391 |
| 7053 | 4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes. | Feb. 25 | Feb. 25 | 524 |
| 3077 | 5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons | Mar. 11 | Mar. 11 | 630 |
| 4886C | 6. LEWERS, A. M., Carbon Chemistry (part) | Jan. 27 | Jan. 25 | 979 |
| 5726 | 7. JARBOE, C. G., Optics; Photography | Feb. 21 | Feb. 21 | 944 |
| 2885 | 8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets | Feb. 24 | Feb. 25 | 623 |
| 4894 | 9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors | Mar. 10 | Mar. 21 | 428 |
| 6812 | 10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices. | Feb. 8 | Feb. 8 | 846 |
| 8867B | 11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather. | Feb. 26 | Feb. 26 | 536 |
| 7701 | 12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes. | †Nov. 12 | †Nov. 12 | 987 |
| 8686 | 13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling. | Feb. 1 | Feb. 1 | 590 |
| 8697 | 14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes. | Mar. 26 | Mar. 24 | 535 |
| 4807 | 15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics | Feb. 15 | Feb. 15 | 1,202 |
| 5716 | 16. SPENCER, C. J., Telegraphy; Telephony | Jan. 15 | Jan. 21 | 962 |
| 5701 | 17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting. | Feb. 7 | Feb. 5 | 802 |
| 4612 | 18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices | Jan. 21 | Feb. 2 | 495 |
| 4088 | 19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners | Feb. 26 | Feb. 26 | 656 |
| 8686 | 20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making. | Mar. 2 | Mar. 3 | 420 |
| 7738 | 21. THOMPSON, T. J., Textiles; Cloth Finishing | Mar. 12 | Mar. 12 | 552 |
| 8600 | 22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion. | Mar. 12 | Mar. 12 | 642 |
| 7624 | 23. BUTTNER, W. J., Registers (part) | †Nov. 2 | †Oct. 7 | 323 |
| 5088 | 24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines | Mar. 7 | Mar. 9 | 654 |
| 5709 | 25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors. | Feb. 19 | Feb. 18 | 610 |
| 8888 | 26. YOUNG, R. R., Electricity, Generation; Motive Power | Feb. 17 | Feb. 11 | 539 |
| 5708 | 27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing | †Dec. 20 | †Dec. 22 | 1,063 |
| 4628 | 28. SOLYOM, H. L., Internal-Combustion Engines | Mar. 2 | Mar. 12 | 341 |
| 3082 | 29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables. | †Dec. 15 | †Dec. 15 | 996 |
| 4083 | 30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats. | Jan. 11 | Jan. 11 | 841 |
| 4716 | 31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons | Mar. 14 | Mar. 12 | 572 |
| 4086 | 32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating | Mar. 10 | Mar. 12 | 610 |
| 6086 | 33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads | Mar. 19 | Mar. 9 | 772 |
| 6628 | 34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders. | Mar. 11 | Feb. 25 | 352 |
| 3676 | 35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles | Feb. 26 | Mar. 9 | 630 |
| 7502 | 36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers | Jan. 11 | Jan. 18 | 884 |
| 8868B | 37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits | †Dec. 31 | †Dec. 7 | 926 |
| 3084 | 38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions. | †Dec. 15 | †Dec. 15 | 801 |
| 4878 | 39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances. | Feb. 11 | Feb. 14 | 612 |
| 7880 | 40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles | Jan. 18 | Jan. 18 | 1,470 |
| 7612 | 41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part) | Feb. 26 | Feb. 25 | 812 |
| 5083 | 42. CUTTING, H. O., Electric Signaling | †Dec. 7 | †Nov. 11 | 750 |
| 4886B | 43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch. | Feb. 24 | Feb. 24 | 630 |
| 4087B | 44. HARVEY, L. P., Refrigeration; Dispensing Beverages | Jan. 13 | Jan. 13 | 747 |
| 7088 | 45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles. | Feb. 9 | Feb. 5 | 806 |
| 4613 | 46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines. | Feb. 11 | Feb. 11 | 806 |
| 6062 | 47. LOWE, E. R. (Act.), Clutches; Brakes | Feb. 26 | Feb. 23 | 687 |
| 5731 | 48. ROEPKE, O. B., Electricity, General Applications; Igniters | Feb. 28 | Feb. 28 | 494 |
| 7726 | 49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification | †Nov. 30 | †Nov. 27 | 988 |
| 4701 | 50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products | Mar. 7 | Mar. 8 | 690 |
| 5628 | 51. BACKUS, C. D., Radiant Energy | Mar. 8 | Mar. 8 | 841 |
| 7709 | 52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits. | Mar. 1 | Feb. 29 | 841 |
| 6907 | 53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging. | Feb. 14 | Feb. 14 | 804 |
| 5874 | 54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes | Apr. 13 | Apr. 11 | 425 |
| 6063 | 55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery | Jan. 11 | Jan. 11 | 1,048 |
| 4726 | 56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making | Jan. 11 | Jan. 11 | 1,072 |
| 6913 | 57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys. | Feb. 12 | Feb. 17 | 494 |
| 5606 | 58. DOWELL, E. F., Abrading; Bottles and Jars | Mar. 24 | Mar. 16 | 343 |
| 4709 | 59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation. | Mar. 7 | Mar. 15 | 635 |
| 5886 | 60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants | Jan. 28 | Jan. 28 | 670 |
| 3724 | 61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery. | †Dec. 28 | †Dec. 28 | 735 |
| 5621 | 62. PUGH, E. C., Games; Geometrical Instruments | Mar. 11 | Mar. 2 | 586 |
| 4688 | 63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation | Mar. 11 | Mar. 16 | 328 |
| 4708 | 64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel. | Feb. 7 | Feb. 7 | 1,220 |
| 5813 | 65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission | Jan. 22 | Jan. 22 | 665 |
| 2089B | Trade-Marks, Labels, and Prints: F. A. RICHMOND (Trade-Marks | Apr. 13 | May 7 | 1,407 |
| | Labels and Prints | May 28 | May 28 | 154 |
| 2686 | Designs: H. H. KALUPY | May 10 | May 26 | 689 |



# DECISIONS IN PATENT AND TRADE-MARK CASES

## Commissioner's Decision

EX PARTE VICTOR M. CALDERON COMPANY, INC.

*Decided April 30, 1938*

1. TRADE-MARKS—REGISTRABILITY—ACT OF 1920.
"* * * marks in which a dominant or essential feature, of unquestioned trade-mark significance, prevents registration without disclaimer under the act of 1905, and which otherwise meet the requirements of the act of 1920, are registrable under the latter act even though they include features of an arbitrary character."
2. SAME—COMPOSITE MARK—DESIGN AND A SURNAME.
Trade-mark comprising a descriptive design and a surname, the latter being a dominating feature, *Held* registrable under act of 1920.

ON PETITION.

*M. S. Meem* for applicant.

FRAZER, *Assistant Commissioner:*

Victor M. Calderon Company, Inc., applied for registration of a trade-mark under the provisions of the act of February 20, 1905. The application was passed for publication, but became involved in an opposition proceeding. On final hearing the Examiner of Trade-Mark Interferences dismissed the opposition, but nevertheless refused registration of applicant's mark on the ground that its dominant feature was the name of an individual not distinctively displayed. Returning to the Trade-Mark Division, and making appropriate amendments to its application, applicant then sought to have its mark registered under the act of March 19, 1920; but was met with the objection that because the mark "contains a design which is arbitrary subject matter" it was registrable only under the act of 1905 with a disclaimer of the name. By this petition applicant seeks a review and reversal of the refusal of the Examiner of Trade-Marks to register the mark under the act of 1920.

Concerning the mark sought to be registered the Examiner of Interferences had the following to say in his decision in the opposition proceeding:

"The mark disclosed in the drawing of the applicant consists, essentially, of the notation 'Dubonnet' displayed across a circular device enclosing what may be described as the representation of a fish in the act of leaping from the water, the name and pictorial feature being enclosed by a substantially rectangular broken-line frame or border. While of course it is true that this mark is a composite one, it is deemed to be equally true that the dominating feature, and the name by which applicant's goods would be distinguished from the products of others, is the name 'Dubonnet'."

The goods described in the application being canned sardines, it will thus be seen that the mark comprises the combination of a descriptive design and a surname; and I agree with the Examiner of Interferences that the name is its dominating feature.

In *Ex parte Ternstedt Manufacturing Co.*, 151 Ms. D. 91, the Commissioner of Patents affirmed the Examiner of Trade-Marks in his refusal to register, under the act of 1920, the notation of "Hevy Duty Hardware" in association with the picture of a truck, as a trade-mark for "automobile body hardware," and in his decision used the following language:

"The purpose of the act of 1920 was to permit the registration of words which could not be registered under the act of 1905 and which presumably by their exclusive use for a certain specified time had acquired a secondary meaning. It was not the purpose of this act to permit the registration of marks which included arbitrary matter registrable under the act of 1905 merely because they also included descriptive words which might or might not have been used in a trade-mark sense."

That decision seems to have been construed by the Examiner of Trade-Marks as prohibiting registration under the 1920 act of all marks which include arbitrary matter. I do not think it need be so construed. Obviously the words of the adjudicated mark were purely descriptive and incapable of trade-mark significance, and therefore could not have been used "in a trade-mark sense." Had they been so used, I doubt that the Commissioner would have refused the registration applied for merely because the mark also included matter which in their absence would have been registrable under the act of 1905.

[1] The act of March 19, 1920, provides for the registration thereunder of all marks

"not registrable under the act of February 20, 1905, as amended, except those specified in paragraphs (*a*) and (*b*) of section 5 of that act, but which have been in bona fide use for not less than one year * * *."

I agree with the conclusion expressed in *Ex parte Ternstedt Manufacturing Co.*, supra, that this language was not intended to embrace technical trade-marks, unregistrable under the act of 1905 merely because they include descriptive or other prohibited matter "which might or might not have been used in a trade-mark sense." But I think that marks in which a dominant or essential feature, of unquestioned trade-mark significance, prevent registration without disclaimer under the act of 1905, and which otherwise meet the requirements of the act of 1920, are registrable under the latter act even though they include features of an arbitrary character.

[2] It follows that in my opinion applicant's mark in the present case is properly registrable under the act of 1920, and the decision of the Examiner of Trade-Marks is accordingly reversed.

## Commissioner's Decision

EX PARTE TEX-O-KAN FLOUR MILLS COMPANY

*Decided April 30, 1938*

1. TRADE-MARKS—REGISTRABILITY—GEOGRAPHICAL TERM.
In an application for registration of a composite trade-mark under the act of February 20, 1905, the requirement that a word thereof be disclaimed as geographical is unwarranted unless such word shall "clearly appear to have a generally accepted geographical meaning." Distinguishing *Ex parte Hettrick Manufacturing Co.*, 475 O. G. 688, 32 U. S. P. Q. 164; and *Chippewa Springs Corporation* v. *J. Leinenkugel Brewing Co.*, 480 O. G. 695, 33 U. S. P. Q. 556.

2. SAME—SAME—SAME—"BEBE".

The notation "Bebe Agua" *Held* registrable as a trade-mark for wheat flour without a disclaimer of the word "Bebe", the mere fact that such word is listed in the U. S. Official Postal Guide being insufficient to render it a "geographical name or term" within the meaning of the Trade-Mark Act.

ON APPEAL.

*M. S. Meem* for applicant.

FRAZER, *Assistant Commissioner:*

This is an appeal from the refusal of the Examiner of Trade-Marks to register the notation "Bebe Agua" as a trade-mark for wheat flour, in the absence of a disclaimer of the word "Bebe," which the Examiner holds to be geographical.

In support of his position the Examiner cites the cases of *Ex parte Hettrick Manufacturing Co.*, 475 O. G. 688, 32 U. S. P. Q. 164; *Chippewa Springs Corporation* v. *J. Leinenkugel Brewing Co.*, 480 O. G. 695, 33 U. S. P. Q. 556; and *Champion Spark Plug Co.* v. *Globe-Union Mfg. Co.*, 24 C. C. P. A. 1088, 88 Fed.(2d) 970. The first two of these cases are Commissioner's decisions, in which language may be found to the effect that section 5 of the act of February 20, 1905, forbids registration of all geographical terms, and that its association with other matter does not render a geographical term registrable unless it is disclaimed. In *Champion Spark Plug Co.* v. *Globe-Union Mfg. Co.*, the Court of Customs and Patent Appeals defined the phrase "geographical name or term," as used in the statute, to mean "a nation, state, county, city, municipality, river, lake, or the like."

[1] While I am still of the opinion, as stated in *Ex parte Hettrick Manufacturing Co.*, supra, that "the language of the statute • • • leaves no room for exception, but forbids registration of all geographical terms, including those with alternative meanings, one of which may be nongeographical;"

and while I have not changed my view, as expressed in *Chippewa Springs Corporation* v. *J. Leinenkugel Brewing Co.*, supra, that a geographical name or term, incorporated in a composite mark, should be disclaimed; it nevertheless seems manifest that before either ruling may properly be applied the particular word or term involved should clearly appear to have a generally accepted geographical meaning.

Applicant's mark here in issue is a Spanish translation of its registered trade-mark "Drink Water"; and registration is sought for the purpose of procuring a similar registration in Cuba, where it is said to be required that the application be based on a United States registration disclosing the words of the mark in the Spanish language. The specimen labels filed with the present application are printed in Spanish, and I doubt that the Spanish word "Bebe" as there used would impress any observer as having a geographical significance. So far as I am aware the word has no English meaning.

[2] Bebe is a post office in Texas, serving thirty-five inhabitants. It is unincorporated, is not a political subdivision of the state or county in which it is located, has no power of local self-government, and hence is not a "municipality" in any sense of the word. It is listed in the U. S. Official Postal Guide, but that fact alone does not in my opinion render it a "geographical name or term" within the meaning of the Trade-Mark Act.

For the reasons stated the decision of the Examiner of Trade-Marks is reversed.

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## Commissioner's Decision

EX PARTE ESLEY FOSTER SALSBURY

*Decided May 5, 1938*

1. DESIGNS—SUFFICIENCY OF DISCLOSURE—PRACTICE.

"The situation here presented shows the need for caution in phrasing an adverse ruling in the form of a requirement to add to the disclosure where the question involved is its sufficiency. It is inadvisable to 'require' an applicant to take a certain one of several courses that may be open to him as being responsive to an adverse ruling merely because that course commends itself to the Examiner as overcoming the ruling. It is applicant's right to contend that the ruling is in error, and hence that it is unnecessary to overcome it."

2. SAME—SAME—SAME.

"• • • there may be a measure of inconsistency when the Examiner requires the insertion of an amendment and then holds it to be improper when presented. • • • Where, however, the Examiner requests submission of a sketch for the purpose of examination, which if approved may be added to the drawing, there is no inconsistency in refusing approval of the sketch if it proposes substantial matter which the Examiner believes cannot be inferred from the original disclosure."

3. SAME—SAME.

"A design patent • • • should disclose the configuration and complete appearance of the article in which the design is embodied, so fully, clearly and with such certainty as to enable those skilled in the art to make the article without being forced to resort to conjecture."

4. SAME—SAME.

"With articles which are unsymmetrical and which present different appearances from different points of view, one figure from a single point, however well executed, is not sufficient for complete disclosure."

5. SAME—SAME.

Where the claim was rejected on the ground of lack of complete disclosure and requirement was made for additional illustration, *Held* the Examiner should withdraw the requirement for further illustration, and, if still convinced that the claim is unpatentable because of insufficiency of the disclosure, should repeat the rejection, or, on the other hand, allow the claim if he reaches the conclusion that the illustration is sufficient.

ON PETITION.

*Mr. Marcus Lothrop* for applicant.

MACKLIN, *First Assistant Commissioner:*

This petition raises a question of proper practice with respect to disclosure in design applications. The facts are as follows:

Applicant's design • • • was originally illustrated by only a single view, in perspective. The Examiner noted that the design appeared to be novel but held that the disclosure was incomplete because of the lack of another view by which its appearance from all sides could be determined, or, in lieu of another view, of a description which would supply the missing disclosure. Attempts were made to meet the Examiner's criticisms, among which was the submission of a sketch of a proposed view, but the Examiner regarded that as not agreeing with the original disclosure.

Applicant ultimately withdrew all proposals for additional disclosure and rested upon the single view originally presented.

Rejection of the claim for lack of a complete disclosure then followed and was later made final. There was also made final a requirement for further illustration. Appeal followed.

The Board of Appeals dismissed the appeal, taking the view that since the design had been regarded as patentable over the art, and the question at issue was whether applicant should furnish additional illustration, further remedy from the Examiner's requirement was by petition. As stated in the decision:

"The character of illustration and the number of views that should be furnished in a design case are matters of form, rather than merit."

This holding was adhered to in the decision upon petition for reconsideration.

Applicant's petition now asks withdrawal of the requirement for additional illustration, and also of the rejection of the claim, "as presented", on the ground of lack of complete disclosure. Applicant points to certain passages in the Board's decisions, as indicating that the Board had ruled in such a way as to be decisive of the controversy on the ground of disclosure. Quotations below are from the decision of the Board on the petition for reconsideration.

"The single figure of the drawing shows the complete object, but of course not all portions of its surface since they are not all simultaneously visible from a single point."

Again:—

"Whether or not such illustration is necessary when the present figure shows the complete article is a matter of form rather than merits."

Taking the quoted phrases, together with the main theme of the decision, which was that the appeal was not in order, it does not appear that the quoted phrases can be taken as decisive of any matter of merits.

[1] The situation here presented shows the need for caution in phrasing an adverse ruling in the form of a requirement to add to the disclosure where the question involved is its sufficiency. It is inadvisable to "require" an applicant to take a certain one of several courses that may be open to him as being responsive to an adverse ruling merely because that course commends itself to the Examiner as overcoming the ruling. It is applicant's right to contend that the ruling is in error, and hence that it is unnecessary to overcome it. It is generally preferable to state the ruling in the form of a rejection or objection (whichever is appropriate) based upon the record at that time, and leave to the applicant his choice of response. If the applicant appears to be unfamiliar with the practice, and the Examiner seeks to be helpful, he may make suggestions, but they should be clearly phrased as suggestions, and not include any language that may ordinarily be construed as a requirement.



In the present instance, if the Examiner's ruling had been merely a rejection because the claim was based upon a disclosure which was not sufficiently complete, four courses would have been open to applicant:

(*a*) To refile the case with a more complete disclosure;

(*b*) To contend that the disclosure was sufficient;

(*c*) To propose additional disclosure which would have met with approval, or

(*d*) To propose additional disclosure which, because of its form or substance, would have been regarded as improper.

Appeal from a final rejection following either course (*b*) or (*d*), not complicated by a requirement to add matter, would have presented a proper question for decision on appeal.

[2] That there may be a measure of inconsistency when the Examiner requires the insertion of an amendment and then holds it to be improper when presented, was recognized by the Board in its decision:

"Any thought that the additional view would necessarily include new matter is inconsistent with the requirement that it be furnished."

Where, however, the Examiner requests submission of a sketch for the purpose of examination, which if approved may be added to the drawing, there is no inconsistency in refusing approval of the sketch if it proposes substantial matter which the Examiner believes can not be inferred from the original disclosure.

Concerning the practice to be followed with respect to illustration in design applications, it is the representation of the article as it will appear to purchasers that must be made. This rule and the reasons therefor were stated in *Ex parte Sutphen*, 1925 C. D. 65. The disclosure should leave no uncertainty as to what constitutes the patented design. *Tompkins* v. *New York Woven Wire Mattress Co.*, 159 Fed. 133. Different types of articles require different forms of illustration, and hence no single rule can be made to fit all cases as seems to be urged in the argument.

[3] The practice concerning applications for design patents is very similar to that for applications for utility patents. (Rule 81.) A design patent, therefore, should disclose the configuration and complete appearance of the article in which the design is embodied, so fully, clearly and with such certainty as to enable those skilled in the art to make the article without being forced to resort to conjecture.

It is recognized that flat articles can generally be sufficiently illustrated by a single view. Likewise articles of a symmetrical nature are often sufficiently illustrated by a single well-executed perspective view, since it can be deduced with certainty from that one view how the article would appear from the other side. Design Patents 68,381, 68,501, and 68,394, cited by applicant illustrate symmetrical articles by one view.

[4] With articles which are unsymmetrical and which present different appearances from different

points of view, one figure from a single point, however well executed, is not sufficient for complete disclosure. That it is the proper practice to illustrate designs of such articles from more than one point of view is indicated in the following design patents: 103,252, 104,062, 107,969, and 108,281.

In some cases it is possible to supplement the graphic representation in a single figure of the drawing by a brief statement in the specification. Patent No. 107,148 has the statement:

"That side of the cabinet not shown in the drawing is the same as the side shown."

Patent 107,092 states:

". . . the left-hand end of the cabinet as viewed in the drawing being identical with the right-hand end shown, and the rear wall of the cabinet construction simply a plane substantially vertical surface."

Patent 107,091 also contains a statement that the two sides not shown are like the one shown.

Other patents cited by applicant, namely, 107,079, 107,401, 107,405, 107,406 show clocks illustrated by a single perspective view. As the rear side would be expected to be conventional, such as a plane surface, no description or illustration thereof is deemed necessary. Moreover in this type of article the rear side is ordinarily not exposed to view. The same is true of the radio loud speaker shown in 68,420.

[5] In the present case the Examiner is directed to remove any inconsistency. If he is still convinced that the claim is unpatentable because of insufficiency of the disclosure, even though the design be apparently novel, he should repeat the rejection, but should withdraw the requirement for further illustration. If, on the other hand, after consideration of the arguments advanced, and after applying the standards above set forth herein, he reaches the conclusion that the illustration is sufficient, he is in position to allow the claim.

To the extent indicated the petition is denied.

JUSTIN W. MACKLIN,
*First Assistant Commissioner.*

## Commissioner's Decision

EX PARTE PETER T. LANDSEM

*Decided May 27, 1938*

FEES—RETURN OF.

Where the Examiner cited a new reference after applicant had taken an appeal to the Board of Appeals and the applicant then elected to reopen the prosecution before the Examiner, *Held* the appeal fee will not be refunded.

ON PETITION.

*Messrs. Browne & Phelps* for applicant.

FRAZER, *Assistant Commissioner:*

Applicant appealed to the Board of Appeals from the final rejection of all of the claims in the application, paying the statutory appeal fee of $15. After the Examiner's statement had been filed and the appeal regularly set for hearing, the Examiner filed a supplemental statement in which he cited a German patent not previously relied on, and said:

"Because of the introduction of a new reference and the consequent new ground of rejection, the applicant may proceed with the appeal or reopen the prosecution before the Primary Examiner * * *."

Having elected to reopen, applicant now petitions that the appeal fee be returned.

The Appropriation Act of March 6, 1920 (U. S. C., title 35, Sec. 79), authorizes the Commissioner of Patents

"to pay back any sum or sums of money paid to him by any person by mistake or in excess of the fee required by law;"

and rule 195 of the Rules of Practice provides as follows:

"Money paid by actual mistake, such as a payment in excess, or when not required by law, or by neglect or misinformation on the part of the Office, will be refunded; but a mere change of purpose after the payment of money, as when a party desires to withdraw his application for a patent or for the registration of a trade-mark, or to withdraw an appeal, will not entitle a party to demand such a return."

That the fee here in question was not paid by mistake, nor in excess of that required by law, is manifest; and its return is forbidden by the express language of the rule, unless applicant's contention be upheld that it was paid

"by neglect or misinformation on the part of the Office."

In his supplemental statement the Examiner said that the new reference had

"just become available to the division;"

and it is hinted in the petition, though not definitely stated, that if this reference had been cited earlier the appeal would not have been taken. Hence it is asserted

"that the appeal was taken by mistake arising from 'neglect or misinformation on the part of the Office,' the neglect being in not promptly sending the reference to Div. 33, and the misinformation being that the art upon which the appeal was taken was the best prior art."

That applicant's position is untenable seems too clear to warrant extended discussion. While rule 66 of the Rules of Practice requires that the Examiner "cite the best references at his command," it does not necessarily follow that his failure to cite the best reference in existence constitutes either neglect or misinformation.

The petition is denied.

LESLIE FRAZER,
*Assistant Commissioner.*

## U. S. Court of Appeals for the District of Columbia

THE PROCTER & GAMBLE COMPANY
*v.*
COE, COMMISSIONER OF PATENTS

*No. 6,894. Decided February 28, 1938*

[— Fed.(2d) —]

TRADE-MARKS — CANCELLATION PROCEEDING — BILL IN EQUITY TO ENJOIN CANCELLATION.

Where the Commissioner had held in a cancellation proceeding that a registration should be canceled and his decision had been affirmed by the Court of Customs and Patent Appeals and thereupon a Federal district court in New Jersey had in another proceeding held the question of cancellation to be res adjudicata, *Held*, the Commissioner will not be enjoined from cancelling the registration pending appeal from the decision of the district court.

APPEAL from the District Court of the U. S. for the District of Columbia. Affirmed.

*Mr. Frederick D. McKenney* and *Mr. C. Russell Riordan*, for appellant.



*Mr. R. F. Whitehead* for the Commissioner of Patents.

By leave of court, *Mr. Joshua R. H. Potts*, *Mr. Basel H. Brune*, and *Mr. Eugene Vincent Clarke*, all of Philadelphia, Pa., filed a brief as amici curiae.

Before GRONER, STEPHENS, and MILLER, Judges.

MILLER, *J.:*

On October 26, 1931, a petition was filed in the Patent Office by The J. L. Prescott Company (owner of registered trade-mark "Chase-O"), under section 13 of the Trade-Mark Act (15 U. S. C. A. § 93), seeking to cancel the registration of appellant's (The Procter & Gamble Company's) trade-mark "Chipso".

Subsequently, on November 20, 1931, the Prescott Company—as defendant in a suit theretofore commenced by appellant in the District Court of the United States for the District of New Jersey involving another mark—filed an amended counterclaim praying that The Procter & Gamble Company be required to deliver up its trade-mark "Chipso" to the Commissioner of Patents for cancellation, as provided by section 22 of the Trade-Mark Act (15 U. S. C. A. § 102). For the purposes of this appeal, the parties concede that the filing of the amended counterclaim had the effect of an original suit brought under section 22.

Proceedings were had in the Patent Office on the petition to cancel, and the Commissioner held that The Procter & Gamble Company mark should be cancelled. From the Commissioner's decision The Procter & Gamble Company elected to appeal[1] to the Court of Customs and Patent Appeals, under section 9 of the act (15 U. S. C. A. § 89), and that court, on April 29, 1935, affirmed his decision. *Procter & Gamble Co.* v. *J. L. Prescott Co.*, C. C. P. A., 77 F.(2d) 98.

Following the entry by the Court of Customs and Patent Appeals of its order affirming the Commissioner's decision, the district court for New Jersey, on motion of the Prescott Company, dismissed its amended counterclaim on the ground that the decision of the former court made the question of cancellation res adjudicata. *Procter & Gamble Co.* v. *J. L. Prescott Co.*, D. C. N. J., 16 F. Supp. 65. The Procter & Gamble Company thereupon appealed from that ruling to the Circuit Court of Appeals for the Third Circuit, which appeal was pending at the time argument was heard in this court in the present case.

On June 11, 1935, appellant filed the present bill in the District Court of the United States for the District of Columbia, seeking to enjoin the Commissioner of Patents from cancelling its mark until the litigation involved in the Federal court in New Jersey should be terminated. A temporary restraining order issued, but on the final hearing was dissolved and the bill dismissed upon motion of the Commissioner. This appeal was taken from that decree.

[1] *Hygienic Products Co.* v. *Coe*, 85 F.(2d) 264, 66 App. D. C. 98.

The Commissioner contends that appellant is barred from equitable relief; that under the provisions of § 4911, R. S. (35 U. S. C. A. § 59a) and § 4915, R. S. (35 U. S. C. A. § 63), having elected to appeal from the Patent Office to the Court of Customs and Patent Appeals instead of proceeding by bill in equity, appellant is barred from proceeding thereafter in equity. *Hygienic Products Co.* v. *Coe*, 85 F.(2d) 264, 66 App. D. C. 98. Appellant, however, does not claim the limited statutory remedy in equity prescribed by §§ 4911 and 4915, R. S. What it does claim is a right to maintain a proceeding in equity which "falls within a recognized domain of general equity jurisdiction, and is not a statutory proceeding in any sense", i. e., a proceeding—not to secure or prevent the cancellation of a trade-mark—but to restrain the Commissioner from committing an illegal act. It contends that the cancellation of the trade-mark "Chipso" by the Commissioner, if done, will constitute an illegal act committed under color of authority; that a public officer may be restrained from the commission of an illegal act when such act, unless enjoined, will result in irreparable injury; that the Commissioner's threatened act will destroy appellant's property and injure appellant irreparably, because, it alleges, a trade-mark once cancelled cannot be restored to the register.

A court of equity has power under certain circumstances to restrain a public officer or official agency from the commission of a contemplated illegal act.[2] The question is whether the circumstances of the present case bring it within the rule stated in the cases cited.

The general rule is that the judicial power will not be interposed, either by mandamus or injunction, to limit or direct the action of public executive officers in respect to pending matters within their jurisdiction and control.[3]

"Interference in such a case would be to interfere with the ordinary functions of government."

*Louisiana* v. *McAdoo*, 234 U. S. 627, 633; and see *National Life Ins. Co.* v. *National Life Ins. Co.*, 209 U. S. 317, 325. Such interference by the courts

"with the performance of the ordinary duties of the executive departments of the government, would be productive of nothing but mischief; and we are quite satisfied that such a power was never intended to be given to them."

*U. S. ex rel. Ness* v. *Fisher*, 223 U. S. 683, 693. It was never intended that the courts should displace the judgments of administrative officers or bodies in matters properly within their jurisdiction. *Waite* v. *Macy*, 246 U. S. 606, 608; *Plested* v. *Abbey*, 228 U. S. 42; *U. S. ex rel. Riverside Oil Co.* v. *Hitchcock*, 190 U. S. 316, 324–25.

[2] *Santa Fe Pacific R. R.* v. *Lane*, 244 U. S. 492, 497; *Philadelphia Co.* v. *Stimson*, 223 U. S. 605, 620–21; *Interstate Commerce Commission* v. *Northern Pacific Ry.*, 216 U. S. 538; *Lane* v. *Watts*, 234 U. S. 525, 540; *Noble* v. *Union River Logging R. R.*, 147 U. S. 165, 172; *American School of Magnetic Healing* v. *McAnnulty*, 187 U. S. 94, 109–10.

[3] *Dakota Central Tel. Co.* v. *South Dakota ex rel. Payne*, 250 U. S. 163, 184; *New Orleans* v. *Paine*, 147 U. S. 261, 268; *Gaines* v. *Thompson*, 74 U. S. 347, 352; *Commercial Solvents Corp.* v. *Mellon*, 277 F. 548, 51 App. D. C. 146; *O'Brien* v. *Lane*, 40 App. D. C. 493; *Cummins Co.* v. *Burleson*, 40 App. D. C. 500, 507; *Ferris* v. *Wilbur*, 4 Cir., 27 F.(2d) 262, 264.

It is only in clear cases of illegality of action, therefore, that the courts will intervene (*Bates & Guild Co.* v. *Payne*, 194 U. S. 106, 108–09; *National Life Ins. Co.* v. *National Life Ins. Co.*, supra; *Masses Pub. Co.* v. *Patten*, 2 Cir., 245 F. 102, 106) to displace the judgments of administrative officers or bodies. *Waite* v. *Macy*, supra.

"The presumption of regularity supports the official acts of public officers and, in the absence of clear evidence to the contrary, courts presume that they have properly discharged their official duties."

*United States* v. *Chemical Foundation*, 272 U. S. 1, 14–15. The presumption of validity attends legislative and other official action, and the burden of proof to the contrary is upon one who challenges the action.[4]

The courts will not hesitate in a proper case to restrain threatened action under an unconstitutional law.[5]

"Where the officer is proceeding under an unconstitutional act, its invalidity suffices to show that he is without authority, and it is this absence of lawful power and his abuse of authority in imposing or enforcing in the name of the State unwarrantable exactions or restrictions, to the irreparable loss of the complainant, which is the basis of the decree. *Ex parte Young*, 209 U. S. p. 150."

*Philadelphia Co.* v. *Stimson*, 223 U. S. 605, 621.

The Supreme Court has, indeed, in numerous instances—in order to prevent the invasion of the rights of property—upheld the propriety of enjoining officers from bringing criminal proceedings to compel obedience to unconstitutional requirements.[6]

The following tests have been used to uphold the exercise of judicial restraint upon executive action under valid laws: (1) Where an officer, insisting that he has the warrant of the statute, is transcending its bounds, and thus unlawfully assuming to exercise the power of government (*Philadelphia Co.* v. *Stimson*, supra); (2) where an officer attempts to enlarge his power, or to usurp power (*Waite* v. *Macy*, supra); or (3) where his act is based upon a clear mistake of law (*American School of Magnetic Healing* v. *McAnnulty*, 187 U. S. 94, 109–10); (4) where the action of the officer or administrative body is clearly beyond its power and in violation of the statute (*Interstate Commerce Commission* v. *Northern Pacific Ry.*, 216 U. S. 538. See *Lane* v. *Watts*, 234 U. S. 525, 540; *Santa Fe Pacific R. R.* v. *Lane*, 244 U. S. 492, 497); (5) where an officer has acted, or threatens to act, in a capricious and arbitrary manner. *Commercial Solvents Corp.* v. *Mellon*, 277 F. 548, 550, 51 App. D. C. 146, and cases there cited. (6) where the act of the officer,

"under any view that could be taken of the facts that were laid before him, was ultra vires, and beyond the scope of his authority . . . [and] he has no power at all to do the act complained of, he is as much subject to an injunction as he would be to a mandamus if he refused to do an act which the law plainly required him to do."

*Noble* v. *Union River Logging R. R.*, 147 U. S. 165, 171–72; *Board of Liquidation* v. *McComb*, 92 U. S. 531, 541.

In the present case there is no contention that the law under which the Commissioner proposes to act is unconstitutional or that his proposed action is not in strict compliance with its terms. No authority has been cited which suggests the propriety of injunctive action under the existing circumstances. Consequently, such action is not warranted. The position which appellant takes is in substance that, if the Commissioner acts as is required by law, it will suffer irreparable injury; whereas, if he is restrained until the suit pending on appeal in the third circuit is terminated, it may perhaps be able to avoid that injury. This is not sufficient; it falls far short of establishing that the proposed act of the Commissioner is illegal and should be enjoined. Compare *U. S. ex rel. Chicago Great Western R. R.* v. *Interstate Commerce Commission*, 294 U. S. 50, 62.

As the matter now stands the issue has been finally determined by the administrative tribunal charged with the duty of passing upon such issues, and the equity court in New Jersey has decided that the decision of the Court of Customs and Patent Appeals is res adjudicata. Quite apart from the merits of the latter question, it is apparent that upon the record before us there is no such showing of (1) illegal action, (2) usurping power, (3) transcending the bounds of the statute, (4) improperly assuming to exercise the power of government, (5) clear mistake of law, (6) violation of the statute, (7) capricious or arbitrary action, (8) ultra vires action "under any view that could be taken of the facts" as would warrant judicial interference with the duties of the Commissioner of Patents.

Affirmed.

[4] *Concordia Fire Ins. Co.* v. *Illinois*, 292 U. S. 535, 547. See also *Lewis* v. *United States*, 279 U. S. 63, 73; *United States* v. *Royer*, 268 U. S. 394, 398; *Bates & Guild Co.* v. *Payne*, supra, at 109.

[5] *Truax* v. *Reich*, 239 U. S. 33; *Pierce* v. *Society of Sisters*, 268 U. S. 510; *Bacon* v. *Rutland R. R.*, 232 U. S. 134; *Prentis* v. *Atlantic Coast Line*, 211 U. S. 210; *Ex parte Young*, 209 U. S. 123, 159; *Railroad Retirement Board* v. *Alton R. R.*, 295 U. S. 330; *Greene* v. *Louisville & Interurban R. R.*, 244 U. S. 499; *Louisville & Nashville R. R.* v. *Greene*, 244 U. S. 522; *Adams* v. *Tanner*, 244 U. S. 590; *Hammer* v. *Dagenhart*, 247 U. S. 251; *Osborn* v. *United States Bank*, 9 Wheat. 737; *Davis* v. *Gray*, 16 Wall. 203; *Pennoyer* v. *McConnaughy*, 140 U. S. 1; *Scott* v. *Donald*, 165 U. S. 107; *Smyth* v. *Ames*, 169 U. S. 466; *Herndon* v. *Chicago, R. I. & Pac. Ry.*, 218 U. S. 135; *Hill* v. *Wallace*, 259 U. S. 44; *Foster-Fountain Packing Co.* v. *Haydel*, 278 U. S. 1; *Appleby* v. *City of New York*, 271 U. S. 364; *Michigan Pub. Util. Commission* v. *Duke*, 266 U. S. 570; *Buck* v. *Kuykendall*, 267 U. S. 307; *Shafer* v. *Farmers Grain Co.*, 268 U. S. 189.

[6] *Davis and Farnum Mfg. Co.* v. *Los Angeles*, 189 U. S. 207, 217–18; *Dobbins* v. *Los Angeles*, 195 U. S. 223, 241; *Ex parte Young*, 209 U. S. 123, 161–62; *Western Union Telegraph Co.* v. *Andrews*, 216 U. S. 165; *Williams* v. *Standard Oil Co.*, 278 U. S. 235; *Cline* v. *Frink Dairy Co.*, 274 U. S. 445; *Connally* v. *General Construction Co.*, 269 U. S. 385; *Panama Refining Co.* v. *Ryan*, 293 U. S. 388.

## Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,262,560, S. B. Smith, Incubator, D. C., N. D. Calif. (San Francisco), Doc. E 3786–S, *S. H. Smith* v. *E. B. Arnold*. Doc. E 3843–R, *S. H. Smith* v. *D. A. Lorimer et al.* Doc. E 3844–S, *S. H. Smith* v. *A. H. Alves*. Dismissed without prejudice Apr. 9, 1938, in each of above cases.

1,333,038, W. Rutan, Cable hook; 1,558,635, 1,492,222, same, Hoisting mechanism; 1,333,064, J. H. Donat, Hoisting mechanism, D. C., S. D. N. Y., Doc. E 83/278, *G. & G. Hoist Corp.* v. *Potts Ash Hoist Corp. et al.* Consent decree dismissing bill (notice Apr. 25, 1938).

1,333,064. (See 1,333,038.)

1,413,989, F. E. McCabe, Bung bushing; 1,513,516, McCabe & Roshetko, Bung and bung bushing; 1,529,929, M. Schwartz, Bushing structure; 1,638,555, F. R. Burgess, Container and sealing means; 1,718,610, J. Strama, Process for forming rims; 1,789,928, L. B. Wackman, Bushing structure; 1,887,435, F. W. Sample, Method of closing and sealing an opening in a metal container; 1,951,491, same, Tool for applying seal caps; 1,901,196, J. W. Shera, Closure device, D. C., E. D. Pa., Doc. 9669, *American Flange & Mfg. Co., Inc.*, v. *Meirath Supply & Gasket Co., Inc.* Consent decree granting injunction Apr. 28, 1938.



1,460,492, H. L. Latz, Communication sheet, D. C., S. D. N. Y., Doc. E 83/322, *H. Latz et al.* v. *Funk & Wagnalls Co.* Consent order of discontinuance (notice April 30, 1938).

1,482,197, W. D. Kimball, Carton closing machine with automatic stop mechanism; 1,503,126, Kimball & Rideout, Sealing machine for filled cartons; 1,815,571, same, Carton sealing machine, filed Apr. 28, 1938, D. C., S. D. Calif. (Los Angeles), Doc. E 20, *Standard-Knapp Corp.* v. *Elliott Mfg. Co.*

1,492,222. (See 1,333,038.) 1,503,126. (See 1,482,197.)

1,513,516. (See 1,413,989.) 1,529,929. (See 1,413,989.)

1,558,635. (See 1,333,038.)

1,575,944, 1,575,945, B. K. Stroud, Application of mud laden fluids to oil or gas wells, D. C., S. D. Calif. C. Div., Doc. E Z–64–H, *National Pigments & Chemical Co.* v. *G. M. Brown*. Patents held infringed Apr. 26, 1938.

1,575,945. (See 1,575,944.)

1,623,996, P. S. Carter, Radio transmission system; 1,909,610, same, Electric circuit; 1,974,387, same, Antenna; 1,884,006, 1,927,522, N. E. Lindenblad, same, C. C. A., 2d Cir., Doc. —, *R. C. A.* v. *Mackay Radio & Telegraph Co., Inc.* Decree modified (notice May 2, 1938).

1,633,555. (See 1,413,989.)

1,694,341, F. Crossley, Magnesium compound and process of producing same, C. C. A., 2d Cir., Doc. —, *The Plant Products Co.* v. *The C. H. Phillips Chemical Co.* Decree affirmed (notice May 2, 1938).

1,709,600, H. M. Baker, Camera copy, and method of, and medium for making same, D. C., N. D. Calif. (San Francisco), Doc. E 3848–S, *H. M. Baker et al.* v. *The Draftint Mfg. Co.* Patent held valid and infringed, injunction Apr. 24, 1938. Same, filed Apr. 27, 1938, D. C., W. D. Mo. (Kansas City), Doc. 2975, *H. M. Baker* v. *Demaree Stationery Co.* Same, D. C., N. D. Ohio, W. Div., Doc. 5465, *H. M. Baker et al.* v. *W. Sweetland (Rightone Mfg. Co.)*. Consent decree holding claims 1 to 8 valid and infringed, injunction (notice May 5, 1938).

1,718,025. (See Re. 18,641.)

1,718,610. (See 1,413,989.)

1,769,947, J. M. Fullman, Connector for electrical conduits, D. C., S. D. N. Y., Doc. E 81/229, *The Thomas & Betts Co. et al.* v. *Electrical Fittings Corp. et al.* Claim 1 held valid, claim 2 held invalid, bill dismissed (notice Apr. 28, 1938).

1,777,256, J. C. Daley, Transformer, D. C., N. D. Ohio, E. Div., Doc. E 5431, *Jefferson Electric Co.* v. *France Mfg. Co.* Patent held valid, claims 8, 14, and 19 held infringed, injunction Apr. 28, 1938.

1,781,834, L. F. D'Autremont, Stencil sheet, filed Apr. 29, 1938, D. C., S. D. N. Y., Doc. E 87/21, *Profilm Corp.* v. *A. A. Tushbar et al.* (*Ion-Alex Textile Novelties*).

1,782,391, K. Davis, Mechanism for separating intermixed materials; 1,787,340, 1,822,840, 1,817,298, 1,786,739, same, Process and mechanism for separating intermixed divided materials, D. C., N. D. Ohio, E. Div., Doc. E 4766, *Peale-Davis Co.* v. *Edgefield Coal Co.* Dismissed Apr. 29, 1938.

1,786,739. (See 1,782,391.) 1,787,340. (See 1,782,381.)

1,789,928. (See 1,413,989.)

1,798,110, M. M. Scharf, Method of making umbrellas; 1,994,406, same, Machine for sewing fabric to umbrella tips, filed Apr. 28, 1938, D. C., S. D. N. Y., Doc. E 87/18, *M. M. Scharf* v. *Weinfeld & Kahn, Inc.*

1,815,571. (See 1,482,197.) 1,817,298. (See 1,782,391.)

1,822,840. (See 1,782,391.) 1,884,006. (See 1,623,996.)

1,887,435. (See 1,413,989.)

1,899,777, N. M. Stanley, Lense, filed Apr. 29, 1938, D. C., W. D. Mo. (Kansas City), Doc. 2978, *The Univis Corp. et al.* v. *W. M. Morgan (Morgan Optical Co.)*.

1,901,196. (See 1,413,989.) 1,909,610. (See 1,623,996.)

1,909,616, W. A. Hecking, Pen, pen point and process of making same, filed Apr. 29, 1938, D. C., S. D. N. Y., Doc. E 87/22, *W. A. Hecking et al.* v. *Eagle Pencil Co., Inc.*

1,911,537, R. R. Tanner, Coating metal with an organic salt of the metal, D. C., N. D. Ohio, E. Div., Doc. E 5640, *Parker Rust-Proof Co.* v. *The Cleveland Welding Co.* Dismissed without prejudice Apr. 29, 1938.

1,927,522. (See 1,623,996.)

1,930,897, W. J. Hughes, Tuyère, D. C., S. D. Ohio, W. Div., Doc. 8973, *American Engineering Co.* v. *E. H. Bardes Range & Foundry Co.* Patent held valid and infringed Apr. 29, 1938.

1,947,357, C. E. Pink, Fabric, filed Feb. 21, 1938, D. C., E. D. Pa., Doc. 9943, *The Cambridge Wire Cloth Co.* v. *Audubon Wire Cloth Corp.*

1,951,491. (See 1,413,989.)

1,953,598, H. T. Goss, Fluid dispensing, D. C., M. D. Pa., Doc. 1934, *L. N. S. Corp.* v. *J. J. Dougherty (Domoco)*. Dismissed pursuant to stipulation (notice Apr. 28, 1938). Same, D. C., S. D. N. Y., Doc. E 78/36, *L. N. S. Corp.* v. *The Wayne Pump Co.* Consent order of discontinuance (notice May 7, 1938).

1,957,038, E. W. Beidler, Rotary pump and mounting plate therefor, D. C., N. D. Ohio, E. Div., Doc. 5585, *Romec Pump Co.* v. *Pump Engineering Service Corp.* Dismissed without prejudice (notice May 3, 1938).

1,974,387. (See 1,623,996.) 1,994,406. (See 1,798,110.)

2,012,951, Brinker & Thomas, Method of producing gas tight seals; 2,012,952, same, Vermiculite paste for sealing pistons, D. C., W. D. Mo. (Kansas City). Doc. 2930, *Motor Seal Corp.* v. *United Factories, Inc.* Judgment for plaintiff (notice Apr. 27, 1938).

2,012,952. (See 2,012,951.)

2,031,642, E. J. Graf, Illuminated decorative device, D. C., E. D. N. Y., Doc. E 8253, *G. B. G. Corp.* v. *McCrory Stores Corp.* Dismissed May 3, 1938.

2,034,886, 2,111,437, G. W. Skilbeck, Humidifier, D. C., E. D. Wis. (Milwaukee), Doc. 5234, *G. W. Skilbeck* v. *C. Koenes et al.* (*Modern Specialty Mfg. Co.*). Consent decree for plaintiff holding claims 5 and 6 of 2,034,886, and claims 1 to 7 inclusive of 2,111,437 valid and infringed Apr. 27, 1938.

2,043,498, R. A. Uecker, Scaffold, filed Apr. 30, 1938, D. C., S. D. Ind. (Evansville), Doc. E 192, *Safway Steel Scaffold Co. of America* v. *The Steel Scaffolding Co.*

2,073,998. (See Des. 103,077.)

2,082,712, D. G. McIvor, Insect exterminator, D. C., N. D. Calif. (San Francisco), Doc. E 4188–R, *D. G. McIvor* v. *Chemurgic Corp.* Claims 1, 2, 4, and 5 held invalid; bill and cross-bill dismissed Apr. 4, 1938.

2,086,365, F. C. Rehor, Necktie, filed May 3, 1938, D. C., E. D. N. Y., Doc. E 8522, *F. C. Rehor* v. *Fred. Loeser & Co., Inc.*

2,100,868, A. Oppenheimer, Jr., Slip cover for furniture, D. C., S. D. N. Y., Doc. E 86/387, *The Comfy Mfg. Co.* v. *Hecht Co.* Consent order of discontinuance (notice Apr. 28, 1938). Same, filed Apr. 14, 1938, D. C., Md. Doc. E 2541, *The Comfy Mfg. Co.* v. *Hutzler Bros. Co.*

2,111,437. (See 2,034,886.)

Re. 18,841, J. Mayer, Hair waving method; 1,718,025, R. Bishinger, Hair-curling appliance, filed Mar. 25, 1938, D. C., N. D. Calif. (San Francisco), Doc. E 4256–R, *The Philad Co.* v. *Deckelman Bros., Inc.*

Re. 19,744. H. A. Wheeler, Volume control, D. C., E. D. Mich. (Detroit), Doc. 8322, *Hazeltine Corp.* v. *Sparks-Withington Co.* Consent decree dismissing bill without prejudice (notice Apr. 28, 1938).

Des. 77,857, C. A. Petersen, Service station booth, filed Apr. 30, 1938, D. C., W. D. Mich. (Grand Rapids), Doc. E 2827, *The Pure Oil Co.* v. *F. H. Ruthsatz et al.*

Des. 97,119, Des. 100,850, Des. 100,852, R. G. Cowan, Cup. Des. 100,851, same, Plate, filed Apr. 23, 1938. D. C., W. D. Pa., Doc. 3401, *Onondaga Pottery Co.* v. *Shenango Pottery Co.*

Des. 100,850. (See Des. 97,119.)

Des. 100,851. (See Des. 97,119.)

Des. 100,852. (See Des. 97,119.)

Des. 103,077, R. G. Fear, Panorama dolly; 2,073,998, V. R. Raby, Camera carriage, D. C., S. D. Calif. (Los Angeles), Doc. E 1198–C, *R. G. Fear* v. *V. R. Raby et al.* (*Studio Equipment Co.*). Patent 2,073,998 held valid, injunction; bill dismissed Apr. 29, 1938.

Des. 104,879, L. Rogow, Apron, filed Apr. 27, 1938, D. C., S. D. N. Y., Doc. E 87/11, *M. Mitroni et al.* v. *W. L. M. Clark, Inc.*

Des. 108,865, T. Fritz, Dress ensemble, D. C., S. D. N. Y., Doc. E 86/361, *B. Weinberg et al.* v. *Gorshire Frocks, Inc.* Consent decree for plaintiff (notice Apr. 25, 1938).

Des. 109,361, J. E. Abraham, Negligee, filed Apr. 25, 1938, D. C., S. D. N. Y., Doc. E 87/11, *Negligee Fashions, Inc.*, v. *Raymodes, Inc.*

## Adjudicated Patents

(C. C. A. Calif.) Calvert et al. patent, No. 1,502,547, for diatomaceous earth product and process of making the same, claims 1, 2, 11–14, 18, and 21 *Held* invalid. *Celite Corporation* v. *Dicalite Co.*, 96 F.(2d) 242.

(C. C. A. Md.) Ingle patent, No. 1,583,046, for leer for annealing glassware, claim 5 *Held* infringed. *Hartford-Empire Co.* v. *Swindell Bros.*, 96 F.(2d) 227.

(C. C. A. Md.) Mulholland patent, No. 1,840,463, for method of and apparatus for annealing glassware, *Held* not infringed. *Id.*

(C. C. A. Md.) Mulholland reissue patent, No. 17,263, for method and apparatus for annealing glassware, claims 1, 2, 7, 8, 14–46, 48–53 *Held* valid and infringed. *Id.*

## Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,948,345, R. J. Garofalo, Method and apparatus for cracking oils, decided May 25, 1938, claim 13.

Pat. 1,957,449, D. M. Evans and W. C. Dorsett, Purification of hydrocarbon oils, decided May 10, 1938, claim 3.

Pat. 2,060,250, A. M. Searle, G. L. Hunt, and R. J. M. Andrews, Combined teleprinter and telephone system, decided March 21, 1938, claims 1, 2, and 9.

Pat. 2,073,995, G. W. Raiziss and L. W. Clemence, Alkyl cresols, decided May 28, 1938, claim 1.

Design Pat. 97,447, Evalyn Weber, Design for an antenna for automobile radios, decided April 13, 1938, the claim as shown.

## Trade-Mark Registrations Canceled

334,615. Piece goods. Marshall Field & Company, Chicago, Ill. Registered May 5, 1936. Canceled June 14, 1938.

341,858. Medicated tablets. Anestan Limited, London, England. Registered December 29, 1936. Canceled June 3, 1938.

350,150. Adhesives. Klingtite Products Company, Los Angeles, Calif. Registered September 14, 1937. Canceled June 3, 1938.

354,405. Furniture. Drexel Furniture Co., Drexel, N. C. Registered February 8, 1938. Canceled June 7, 1938.

## Disclaimers

Re. No. 19,017.—*Irving P. Whitehouse*, Erie, Pa. CUSHION SUPPORT. Patent dated December 5, 1933. Disclaimer filed June 6, 1938, by the assignee, *Hugh C. Lord.*

Hereby enters his disclaimer to claims 13 and 23 but without in any way modifying the scope or affecting the scope of the remaining claims.

2,060,250.—*Arthur M. Searle, George L. Hunt*, and *Robert J. M. Andrews*, Aldwych, London, England. COMBINED TELEPRINTER AND TELEPHONE SYSTEM. Patent dated November 10, 1936. Disclaimer filed June 2, 1938, by the assignee, *Western Electric Company, Incorporated.*

Hereby enters this disclaimer to claims 1, 2, and 9 of said Letters Patent.

2,062,016.—*Iwan Serrurier*, Los Angeles, Calif. FILM REWINDER. Patent dated November 24, 1936. Disclaimer filed June 6, 1938, by the patentee.

Hereby enters this disclaimer to claims 1 and 2 in said specification.

## Changes in Classification

Order No. 3,429, June 4, 1938, directs:

In *class 132, Toilet* (Division 53), abolish the following subclasses with their definitions:

| | |
|---|---|
| 73 | **Manicuring devices** |
| 73.1 | Cutters combined, |
| 73.2 | File, |
| 74 | Machines, |
| 75 | With storage cavity, |
| 76 | Folding or retracting tool |
| 77 | With clipping jaws, |
| 78 | Handled nail buffers. |

The patents formerly contained in these subclasses have been placed for the most part in class 132, subclass 73, and indented subclasses, established in this order.

In *class 132, Toilet* (Division 53), establish the following subclasses and definitions:

| | |
|---|---|
| 73 | **Manicuring devices** |
| 73.5 | Combined |
| 73.6 | With motor, |
| 74.5 | With fluent material feed, |
| 75 | With storage cavity, |
| 75.3 | Compound tools |
| 75.4 | With cutter |
| 75.5 | Plural cooperating blade, |
| 75.6 | With abrader, file or buffer, |
| 75.8 | Driven type, |
| 76.2 | Folding, retractable or sheathed tool, |
| 76.4 | Abrader, file or buffer |
| 76.5 | With separable holder. |

73. Devices and accessories for manicuring the nails, for removing corns and other callosities by abrasion, and for removal of wax from the human ear.
Note.—Manicuring cutters per se are in class 30, CUTLERY, subclass 26, and indented subclasses.

73.5. Devices under subclass 73 when combined with other structure.
(1) Note.—Manicuring devices with supporting structure are found in this subclass, mere handles being excluded.
(2) Note.—For compound manicuring tools, see this class, subclass 75.3 and indented subclasses.
(3) Note.—For sheaths for manicuring tools, claimed alone or in combination with the tool, see this class, subclass 76.2.

73.6. Devices under subclass 73.5 in combination with a motor.
Note.—Manicuring devices adapted to be driven by manual or motor means are found in this class, subclass 75.8.

74.5. Devices under subclass 73.5 combined with means for feeding or controlling the flow of fluent material usually for delivery to the working end of a tool.
(1) Note.—For cleaning implements having analogous structure, see class 15, BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclasses 123 through 140.
(2) Note.—For coating implements having analogous structure, see class 91, COATING, subclass 67.1 and indented subclasses.

75. Devices under subclass 73.5 where there is included in the body or handle a storage cavity, usually for the reception of manicuring tools or supplies.
Note.—Where the cavity holds and feeds fluent material, see this class, subclass 74.5.

75.3. Tools under subclass 73 having more than one working part or surface.
Note.—See class 7, COMPOUND TOOLS.

75.4. Devices under subclass 75.3 which comprise a cutter combined with some other form of manicuring device.
Note.—For manicuring cutters per se, see class 30, CUTLERY, subclass 26, and indented subclasses.

75.5. Devices under subclass 75.4 in which two or more blades cooperate to perform a cutting operation.
Note.—These devices are usually called nippers and shears.

75.6. Devices under subclass 75.3 which have a file or other abrading or polishing surface.
(1) Note.—Devices having multiple characters of abrading, filing and polishing surfaces are included here but those having single characters of surface are in this class, subclasses 76.4 and 76.5.
(2) Note.—For other files and rasps, see class 12, BOOT AND SHOE MAKING, subclass 84; class 29, METAL WORKING, subclass 76, and indented subclasses; class 32, DENTISTRY, subclass 46, and class 168, FARRIERY, subclass 48.
(3) Note.—For abrading tools of general application, see class 51, ABRADING.
(4) Note.—For cleaning tools similar to buffers, see class 15, BRUSHING, SCRUBBING, AND GENERAL CLEANING, particularly subclass 208 and indented subclasses.

75.8. Tools under subclass 73 which are adapted to be driven by manual or motive power.
(1) Note.—Complete the search in this class, subclass 73.5.
(2) Note.—For clippers of the driven type, see this class, subclass 75.5.

76.2. Tools under subclass 73 where a portion of the device is folded, withdrawn or otherwise sheathed when not in use.
(1) Note.—Sheaths per se are included here.
(2) Note.—For cutlery having similar structure, see class 30, CUTLERY, subclass 151 and indented subclasses.

76.4. Tools under subclass 73 which have a file or other abrading or polishing surface.
(1) Note.—Complete the search in this class, subclass 75.6 and see the notes thereunder.
(2) Note.—For driven devices of this type, see this class, subclass 75.8.

76.5. Tools under subclass 76.4 in which there is a separable holder for the file or other abrader or polisher.

The patents contained in these subclasses have been taken for the most part from class 132, subclass 73 and indented subclasses, abolished in this order.

In *class 7, Compound Tools* (Division 29), in the second note following the main class definition cancel the existing reference to class 132, Toilet, and substitute the following:

132—TOILET, subclass 75.3, and indented subclasses, for compound manicuring implements.

In *class 29, Metal Working* (Division 13), subclass 78, in the note following the definition, cancel the reference to class 132, Toilet, and substitute the following:

132—TOILET, subclasses 75.6 and 76.4, for files for use in manicuring.

In *class 30, Cutlery* (Division 55), in the main class definition, add, at the end of the second note, the following:

For abrading devices peculiarly adapted for manicuring, see class 132, TOILET, subclasses 75.6 and 76.4;

under note (6), in the reference to class 132, Toilet, change "73.2" to *75.6 and 76.4;* and under note (49) change "73.1" to read *75.4 and indented subclass;* in subclass 26, change note (2) to read:

132—TOILET, subclasses 75.4 and 75.5, for cutters combined with other manicuring implements;

in subclass 123, in the fifth note following the definition, in the reference to class 132, Toilet, change "subclass 73.1" to read subclasses *75.4 and 75.5;* in subclass 151, in the third note following the definition, in the reference to class 132, Toilet, change "76" to read *76.2;* and in subclass 155, in the second note following the definition, in the reference to class 132, Toilet, change "76" to read *76.2.*

In *class 128, Surgery* (Division 55), in subclass 355, cancel in the definition the words "by abrasion of corns and other callosities," and add the following note:

Note.—For devices for removing corns and other callosities by abrasion, see class 132, TOILET, subclasses 76.4 and 76.5.

In *class 132, Toilet* (Division 53), subclass 90, in the note following the definition change "76" to *76.2.*

In *class 280, Land Vehicles* (Division 10), establish the following subclasses and definitions:

| | |
|---|---|
| | **Wheeled** |
| | Attachments |
| | Dust and mud guards |
| | Body attached |
| 153.5 | Joint welts, |
| 154.5 | Splash guards. |

153.5. Anti-squeak welts or moldings adapted to be disposed between a mud-guard and the body or frame of a land vehicle.
Note.—See the search notes appended to the definition of class 20, WOODEN BUILDINGS, subclass 74, outlining the field of search for other moldings and welts and processes for their manufacture.

154.5. Auxiliary guard members secured to a mud-guard or adjacent rigid portion of a vehicle and disposed to the front or rear of the vehicle wheels to catch the splash therefrom.

The patents contained in these subclasses have been taken for the most part from class 280, Land Vehicles, subclasses 152 and 153.

In *class 20, Wooden Buildings* (Division 33), subclass 74, add to the definition the following note:

Note.—For joint welts or moldings disposed between a mud-guard and the body or frame of a land vehicle, see class 280, LAND VEHICLES, subclass 153.5.

# BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

## RENDERED DURING MAY, 1938

EX PARTE THE MIDY LABORATORIES, INC., Serial No. 391,281.

In a decision rendered May 13, 1938 (163 Ms. Dec. 41), *Assistant Commissioner Frazer* held that The Midy Laboratories, Inc., of New York, N. Y., is not entitled to register, under the act of 1905, as a trade-mark for

"preparations for the treatment of gravel, stone, and other manifestations of the uric-acid diathesis, and to control the formation of urates,"

the term "Piperazine-Midy."

The ground of the decision is that the first word contained in the mark is descriptive and the second is a surname, and therefore the mark is not registrable.

In his decision, after noting applicant's contention in this respect, he said:

"The statute forbids the registration of either word alone, and I can find no reasonable basis for holding that their association together results in a registrable combination."

And then, after noting that applicant had filed a disclaimer of any attempt to cover by this registration either word, except in the precise relation shown, he said:

"The office of a disclaimer is that of 'distinguishing, without deleting, non-registrable matter in the drawing of the mark as registered.' *Beckwith* v. *Commissioner of Patents*, 252 U. S. 538, 1920 C. D. 471. And where, as here, the entire mark is non-registrable, there would seem to be nothing from which to distinguish. I do not think that any mark should be accepted for registration under the act of 1905, unless it includes at least one element that is registrable without disclaimer."

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OLD JOE DISTILLING COMPANY *v.* THE OLD QUAKER COMPANY, Cancellation No. 3,075.

In a decision rendered May 14, 1938 (163 Ms. Dec. 43), *Assistant Commissioner Frazer* held that the registration obtained by The Old Quaker Company, of Lawrenceburg, Ind., of the term "Old Joe Smiles," as a trade-mark for whisky, gin, etc. (registration No. 322,208) should be cancelled on the ground that the mark is substantially an appropriation of the corporate name of the petitioner for cancellation, Old Joe Distilling Company, of Lawrenceburg, Ky.

In his decision the Assistant Commissioner said:

"As the parties deal in identical merchandise, I think there can be no serious question but that registrant's mark and petitioner's name would be confused, and that while only a part of the name is incorporated in the mark, the registration should therefore be canceled. *American Steel Foundries* v. *Robertson*, 269 U. S. 372, 1926 C. D. 289."

Then, after noting registrant's contention that the statutory prohibition against the registration of petitioner's corporate name was not pleaded and noting that the case of *Rookwood Pottery Co.* v. *A. Wilhelm Co.*, 43 App. D. C. 1, was cited in support of that contention, he said:

"Certainly the petition is not as definite in that regard as it might be; but I think the allegations are sufficient to distinguish from the Rookwood Pottery case, and to support the Examiner's decision. In that case, which was an opposition proceeding, it was alleged in the notice of opposition merely that the opposer, 'in the year 1890, was incorporated as the Rookwood Pottery Company; and apparently the name clause of the statute was sought to be invoked for the first time before the court of appeals."

And then, after quoting from the Rookwood decision, he said:

"In the present petition it is alleged 'that said name "Old Joe Distilling Co." was adopted and made the corporate name of this petitioner which name this petitioner has used to the present time * * *. Petitioner has never parted with any interest in * * * its said corporate name and owns all right, title and interest therein.'

"I think that language clearly indicates the intention of the pleader to rely on the rather obvious fact, as a ground for the cancelation sought, that petitioner's name has been appropriated by registrant, and that the latter was sufficiently placed on notice of such intention."

Then, with reference to the contention that petitioner had failed to prove its corporate name and that the only evidence was the testimony of a witness who stated that he was president of the company and that the company was incorporated on July 28, 1933, he said:

"Not only was no objection made to this testimony, but on cross-examination the witness was again asked 'when the present Old Joe Distillling Company was organised,' and again answered, 'July 28, 1933.' As this testimony stands uncontradicted in the record, I think it must be accepted as establishing prima facie the fact of petitioner's incorporation and its ownership of the corporate name."

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EX PARTE AUSTIN, NICHOLS & CO., INC., Serial Nos. 72,826 and 72,827.

In a decision rendered May 14, 1938 (163 Ms. Dec. 42), *Assistant Commissioner Frazer* held Austin, Nichols & Co., Inc., of Brooklyn, N. Y., is not entitled to register certain labels, each of which specifies a large number of goods, some of which differ as widely as peanut butter and prune juice.

The Assistant Commissioner, after quoting rule 29 and rule 30 of the rules of practice relating to the registration of prints and labels, said:

"Manifestly a label that describes peanut butter could not be impressed on a bottle of prune juice 'to indicate the article of manufacture,' nor could a label for fruit cake be descriptive of salad dressing. To permit these registrations as applied for would be, in effect, to abrogate the rules in so far as they require that a label describe the article to which it is applied."

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THE PENETRENE CORPORATION *v.* PLOUGH, INC., Cancellation No. 3,086.

In a decision rendered May 20, 1938 (163 Ms. Dec. 44), *Assistant Commissioner Frazer* held that a notice of opposition should not, under the circumstances of the case, have been dismissed without prejudice, on the opposer's motion.

In his decision after noting the well established rule under Federal practice, which is followed in oppositions, that a plaintiff may dismiss his bill without prejudice, upon payment of costs, any time before final hearing, unless such dismissal "would prejudice the defendants in some way other than





by the mere prospect of being harassed and vexed by future litigation of the same kind," and noting that it was insisted and the Examiner of Interferences held, that petitioner's right to dismiss was absolute, the Assistant Commissioner said:

"The record discloses that the motion to dismiss was filed after respondent had taken testimony, and within a few days before the date set for final hearing. Respondent had thus incurred certain costs which in a court of equity petitioner would have been required to pay as a condition precedent to the dismissal of its bill. The Patent Office, however, has no authority to tax costs, so that this condition could not be here imposed. Under these circumstances it seems to me that respondent would be prejudiced by the dismissal beyond the mere possibility of a renewal of the litigation."

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A. P. DE SANNO & SON, INC., *v.* THE STAR DENTAL MANUFACTURING CO., INC., Opposition No. 15,239.

In a decision rendered May 27, 1938 (163 Ms. Dec. 46), *Assistant Commissioner Frazer* held that The Star Dental Manufacturing Co., Inc., of Philadelphia, Pa., is not entitled to register the notation "Heldryte" as a trade-mark for dental tools and instruments such as explorers, excavators, etc., since the mark is merely descriptive of the goods. In his decision the Assistant Commissioner noted that the Examiner of Interferences had dismissed the opposition and the opposer had not appealed and therefore the only question was as to applicant's right to register the mark. He then referred to an exhibit filed by the applicant consisting of an advertising folder in which it was said of these tools "They can be inserted into the handles quickly and will not turn or become loose while operating", and then said:

"I am constrained to agree with the Examiner's conclusion that this advertising matter sufficiently establishes the descriptive character of applicant's mark, and that it is therefore unregistrable for the merchandise involved. Applicant advertises, in effect, that when its tools are inserted in their handles they are 'held right;' and the mark is an obvious misspelling of that descriptive expression."

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WM. P. POYTHRESS & COMPANY, INC., *v.* VAN PELT & BROWN, INC., Opposition No. 15,902.

In a decision rendered May 27, 1938 (163 Ms. Dec. 47), *Assistant Commissioner Frazer* held that the opposer Wm. P. Poythress & Company, Inc., of Richmond, Va., was not entitled to appeal from the decision of the Examiner of Interferences dismissing the opposition, since the Examiner had also held applicant's mark was unregistrable as descriptive and the applicant had not appealed.

In his decision after referring to, and quoting from, the decision, *Frigidaire Corporation* v. *Nitterhouse Brothers*, 20 C. C. P. A. 865, 63 Fed.(2d) 123, in which under similar circumstances an appeal had been dismissed by the Court of Customs and Patent Appeals the Assistant Commissioner said:

"Opposer urges that it is entitled to have the Examiner's decision reviewed because, as the case now stands, applicant may still seek registration of its mark under the act of March 19, 1920, whereas a reversal of that decision would serve to prevent such procedure; and it is suggested that this contingency was overlooked by the court in deciding the cited case. The fact is, however, that the point was expressly called to the court's attention in the decision of the Commissioner which was before the court for review (*Frigidaire Corporation* v. *Nitterhouse Brothers*, 156 Ms. D. 671, 9 U. S. P. Q. 532), and was doubtless given such consideration as it was thought to merit.

"The statute provides for opposition to applications filed under the act of February 20, 1905; and in such proceedings an applicant's right to register under the 1920 act is not in issue, and may not properly be adjudicated. In the instant case, it having been finally determined that applicant is not entitled to have its mark registered under the act of 1905, and that being the only question presented for determination, 'there is no statutory relief which appellant may receive in this proceeding which has not already been adjudged.'"

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EX PARTE MORRIS SHOE CO., INC., Serial No. 380,013.

In a decision rendered May 31, 1938 (163 Ms. Dec. 50), *Assistant Commissioner Frazer* held that the Morris Shoe Co., Inc., of New York, N. Y., is not entitled to register a trade-mark for children's shoes, the notation "Chester's Walk-Eas-E" in view of the prior registration to another of the mark containing the words "Putney Walkeasy Shoe."

In his decision the Assistant Commissioner said:

"Applicant points out numerous differences between this mark and its own, and I am inclined to agree that in appearance they are sufficiently dissimilar to render confusion unlikely. I think the Examiner was right, however, in concluding that by reason of the occurrence in applicant's mark of the expression 'Walk-Eas-E,' and in the registered mark of the word 'Walkeasy,' which are phonetically the same, the marks as a whole may reasonably be confused when used as they are with substantially identical merchandise." (Citing and quoting from the decision of the Court of Customs and Patent Appeals in *E-Z Mills, Inc.*, v. *Martin Brothers Co.*, 95 Fed.(2d) 269, 37 U. S. P. Q. 199).

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EX PARTE JOYCE D. WILSON (doing business as The Sign of the Zodiac Advertising Company), Serial No. 73,552.

In a decision rendered May 31, 1938 (163 Ms. Dec. 51), *Assistant Commissioner Frazer* held that Joyce D. Wilson, of Minneapolis, Minn., is not entitled to register a print stated to be "used for advertising purposes to assist in selling advertising matter," since the print is not descriptive of any article of manufacture as required by rule 30 of the rules of the Patent Office relating to the registration of prints and labels.

In his decision the Assistant Commissioner said:

"Applicant urges, however, and with apparent seriousness, that the print itself is an article of manufacture, and that it is self-describing. I quote from the brief on appeal:

"'The applicant cannot agree with the Examiner. Rather, it would seem the print of the application is an advertisement descriptive of a vendible commodity. The vendible commodity is advertising matter. The applicant sells advertising matter. The print sought to be registered is the vendible commodity itself.'

"As rule 28 provides that a print, to be registrable, must be 'designed to be used for an article of manufacture and in some fashion pertaining thereto, but not borne by it,' applicant thus suggests an alternative bar to the registration sought.

"Whether upon the theory adopted by the Examiner, or upon the one advanced by the applicant, I think the application was properly refused."

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EX PARTE HARDINGE COMPANY, INCORPORATED, Serial No. 373,567.

In a decision rendered May 31, 1938 (163 Ms. Dec. 50), *Assistant Commissioner Frazer* held that the Hardinge Company, of York, Pa., is not entitled to register under the act of 1920 the words "Constant Weight Feeder" as a trade-mark for ma-

chinery for feeding and conveying various kinds of materials.

The ground of the decision is that the alleged mark is not in fact a trade-mark.

In his decision the Assistant Commissioner said:

"Obviously 'feeder' is the generic name of applicant's goods; and it seems clear from the record that the modifying words, 'constant weight,' are used merely to designate the particular type of feeder in which applicant deals. This is tacitly conceded by applicant, but the contention is made that because used by no other dealer in similar merchandise to designate his product this particular combination of words has come to indicate origin in applicant. That, however, is not a conclusive test. A trade-mark must indicate origin, but it does not follow that everything which indicates origin is a trade-mark. To those familiar with applicant's goods I have no doubt that the words 'Constant Weight Feeder' would signify those goods; but I think the average individual would regard them as the name of goods merely, without reference to origin."

# TRADE-MARKS

## OFFICIAL GAZETTE, JUNE 28, 1938

[VOL. 491. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

## CLASS 1

### Raw or Partly Prepared Materials

Ser. No. 404,553. WAGNER-FELLER & Co., New York, N. Y. Filed Mar. 26, 1938.




No claim is made to the words "Seal" and "Dyed Coney" apart from the mark.

For Fur Pelts.

Claims use since Feb. 14, 1938.

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Ser. No. 405,984. CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Filed May 4, 1938.




No claim is made to the word "Brand" apart from the mark.

For Wood Pulp.

Claims use since Apr. 23, 1938.

## CLASS 4

### Abrasive, Detergent, and Polishing Materials

Ser. No. 396,918. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio. Filed Aug. 30, 1937.

ALURE

For Complexion Soap.

Claims use since Mar. 10, 1937.

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Ser. No. 401,533. MAR-VIN DISPENSER AND PRODUCTS CO., New York, N. Y. Filed Jan. 4, 1938.




The words "Dish", "Washing", and "Compound" are disclaimed apart from the mark.

For Dish Washing Compounds and Dish Washing Powders.

Claims use since Aug. 1, 1937.

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Ser. No. 404,209. GARDNER MACHINE COMPANY, South Beloit, Ill. Filed Mar. 18, 1938.

BLUE-RIM

For Abrasive Tools, Abrasive Wheels, and Abrasive Disks.

Claims use since March, 1934.

Ser. No. 404,543. PRIM CORPORATION, St. Louis, Mo. Filed Mar. 26, 1938.



The drawing is lined for red and yellow.
For Liquid Cleaner for Painted and Enameled Surfaces, Walls, Furniture, Refrigerators, Floors, Blinds, Shades, and the Like.
Claims use since Feb. 8, 1938.

Ser. No. 404,647. A. GUSMER, INC., Hoboken, N. J. Filed Mar. 30, 1938.

**BRANDHEFETON**

For Brewers' Tank Cleaning Preparation—Namely, a Prepared Paste Utilising China Clay Applied to the Inside Surface of a Fermentation Tank or Vat, and Remaining on during Fermentation and Being Cleaned off After the Fermented Contents Has Been Removed from the Tank.
Claims use since Mar. 25, 1938.

Ser. No. 405,468. JOSEPH A. TUMBLER, doing business as J. A. Tumbler Laboratories, Baltimore, Md. Filed Apr. 19, 1938.

**HYDEGRE**

For Preparation for Degreasing and Cleaning Cement Floors, Auto Chassis, Truck Bodies, Wire Wheels, Motors, Grease Pits, Etc.
Claims use since September, 1934.

Ser. No. 405,948. MIRIAM WEINGARTEN, doing business as Milton Weingarten Co., San Francisco, Calif. Filed May 2, 1938.

**JEWELGLO**

For Jewelry Cleaner.
Claims use since Mar. 30, 1938.

Ser. No. 406,357. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed May 14, 1938.

**MULSINE**

For Cleaning Compounds in Liquid Form for Industrial and Household Use.
Claims use since Aug. 10, 1935.

Ser. No. 406,858. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed May 14, 1938.

**GLYST**

For Glass Cleaning Preparations.
Claims use since June 1, 1937.

## CLASS 6

### Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 375,768. A. M. MEINCKE & SON, INC., Chicago, Ill. Filed Mar. 9, 1936.

**BARANOX**

For Powdered Material for Use in Coating, Filling, or Treating Printing Paper.
Claims use since Oct. 14, 1935.

Ser. No. 375,769. A. M. MEINCKE & SON, INC., Chicago, Ill. Filed Mar. 9, 1936.

**CALONOX**

For Powdered Material for Use in Coating, Filling, or Treating Printing Paper.
Claims use since Oct. 14, 1935.

Ser. No. 389,264. PAULIAN DRUG & CHEMICAL COMPANY, St. Louis, Mo. Filed Feb. 23, 1937.




For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Liquid Cleansing Creams, Stimulator Creams, Toning Stimulator, Pore Rejuvenators, Pore Reducers, Pore Cleansers, Obesity Creams, Refreshing Creams, Foundation Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.
Claims use since Feb. 29, 1936.



Ser. No. 389,914. ERNESTINE FOWLER, doing business as Betty Wells Cosmetic Co., San Francisco, Calif. Filed Mar. 11, 1937.

**3 Tone**

For Skin Tonic, Astringent, and Powder Base.
Claims use since Mar. 2, 1937.

Ser. No. 393,316. CHAMPION CHEMICAL WORKS, INCORPORATED, New York, N. Y. Filed May 27, 1937.

**CHAMPION**

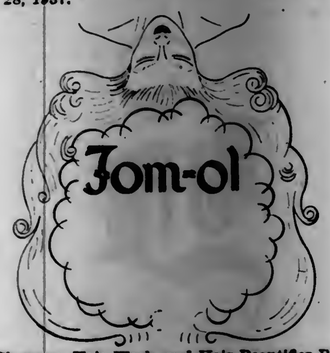
For Chlorinated Lime.
Claims use since 1888.

Ser. No. 394,580. CLAIROL, INC., New York, N. Y. Filed June 28, 1937.

**POM-OL**

For Shampoo, Hair Wash, and Hair Beautifier Preparation.
Claims use since May 8, 1935.

Ser. No. 394,581. CLAIROL, INC., New York, N. Y. Filed June 28, 1937.




For Shampoo, Hair Wash, and Hair Beautifier Preparation.
Claims use since Oct. 24, 1935.



Ser. No. 394,582. CLAIROL, INC., New York, N. Y. Filed June 28, 1937.



For Shampoo, Hair Wash, and Hair Beautifier Preparation.
Claims use since Oct. 24, 1935.

Ser. No. 401,306. INSTITUTO NAZIONALE MEDICO FARMACOLOGICO "SERONO", Rome, Italy. Filed Dec. 28, 1937.

**DUOCRINA**

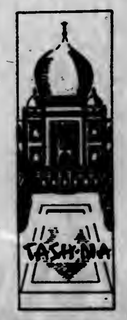
For Pharmaceutical in the Form of Powder for the Treatment of Leanness, Epathic Insufficiency, Glycosuria Diabetes, Ketosis of the Infancy, and Constipation.
Claims use since February, 1937.

Ser. No. 402,281. JAMES VAGHELATOS, Toledo, Ohio. Filed Jan. 24, 1938.

**ZENITH**

For Beauty Treatment Medicated Preparations.
Claims use since 1912.

Ser. No. 402,303. MYRA B. MARCUS AND HORTENSE S. MARCUS, New York, N. Y. Filed Jan. 25, 1938.




For Perfumes, Face Powders, Body Powders, Lipsticks, Rouges, Cologne, Rouge and Powder Fills for Compacts, Toilet Waters, Bath Salts, Cold and Cleansing Creams, and Hand and Skin Lotions.
Claims use since June 1, 1937.

Ser. No. 402,690. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed Feb. 4, 1938.




All words except "Nopco" and the letters "XX" are disclaimed.
For Cod Liver Oil Fortified with Vitamin Concentrates.
Claims use since Jan. 1, 1932.

Ser. No. 402,770. MARION SEYMOUR COSGROVE, New York, N. Y. Filed Feb. 7, 1938.




The portrait is fanciful.
For Preparation for Relief of Pain of Eye Brow Plucking, and Also an Antiseptic Solution to Help Eliminate Possible Skin Infections Due to Eye Brow Plucking, and Attendant Rupturing of Skin.
Claims use since Jan. 14, 1938.

Ser. No. 402,947. MARGUERITE J. MORGAN, doing business as New Health Laboratories, East Aurora, N. Y. Filed Feb. 11, 1938.

TOXELIM

For Laxative.
Claims use since Nov. 15, 1934.

Ser. No. 403,155. WHITE LABORATORIES, INC., Newark, N. J. Filed Feb. 17, 1938.

Dillard's
Aspergum

For Chewing Gum Containing Acetylsalicylic Acid.
Claims use since May 28, 1928.

Ser. No. 403,884. H. KIRK WHITE AND COMPANY, Oconomowoc, Wis. Filed Mar. 9, 1938.

PURG-ALL

For Deodorant Tablets.
Claims use since Jan. 1, 1938.

Ser. No. 404,150. JACQUES WOLF & CO., Clifton, N. J. Filed Mar. 16, 1938.

HYDRALASE

For Catalyst of Fungus Origin, More Specifically Described as a Diastatic and/or Proteolytic Enzyme for the Conversion of Starch and/or Protein in Fruit Juices, Pectin Solutions, Food Products, Digestive Element in Pharmaceutical Preparations, Stabilizer for Cereal Beverages, Beers and Ales, Desizing Textile Fabrics.
Claims use since Jan. 24, 1938.

Ser. No. 404,626. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed Mar. 30, 1938.

TANNIES

For Sun-Tan Lotion and Pads Impregnated with Sun-Tan Lotion.
Claims use since Mar. 10, 1937.

Ser. No. 404,667. JOSEPH F. STOCKARD, Lee's Summit, Mo. Filed Mar. 30, 1938.




For Medicinal Composition for the Treatment of Blackhead and Range Paralysis in Poultry.
Claims use since Feb. 1, 1938.



Ser. No. 404,758. THE HEATBATH CORPORATION, West Springfield, Mass. Filed Apr. 1, 1938.

PEN-KAY

For Salt Compositions for Metal Treating Baths.
Claims use since June 1, 1937.

Ser. No. 404,867. MAURICE E. PROCTOR, doing business as Proctors Products Co., New Haven, Conn. Filed Apr. 4, 1938.




No claim is made to the words "Triple Action", "Dental Cream", "Quality", and "Products", apart from the mark. The drawing is lined for two shades of blue.
For Dental Cream.
Claims use since Dec. 15, 1937.

Ser. No. 404,868. SCHNEFEL BROS. CORPORATION, Newark, N. J. Filed Apr. 4, 1938.




No claim is made to the word "Stazon" apart from the mark.
For Base Coat Nail Polish.
Claims use since Oct. 15, 1937.

Ser. No. 404,948. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Apr. 6, 1938.

VOLOPHEN

For Disinfectant, Germicide, and Antiseptic.
Claims use since Mar. 24, 1938.

Ser. No. 405,111. GELLOCIDE CORPORATION, Tulsa, Okla. Filed Apr. 11, 1938.

Progonalu

For Medicine for Female Disorders and as a Preventative Against Gonorrhea.
Claims use since Mar. 23, 1938.

Ser. No 405,112. GELLOCIDE CORPORATION, Tulsa, Okla. Filed Apr. 11, 1938.

Progonasyl

For Medicine for Female Disorders and as a Preventative Against Gonorrhea.
Claims use since Mar. 23, 1938.

Ser. No. 405,113. GELLOCIDE CORPORATION, Tulsa, Okla. Filed Apr. 11, 1938.

Proluagon

For Medicine for Female Disorders and as a Preventative Against Gonorrhea.
Claims use since Mar. 23, 1938.

Ser. No. 405,114. GELLOCIDE CORPORATION, Tulsa, Okla. Filed Apr. 11, 1938.

Prosylagon

For Medicine for Female Disorders and as a Preventative Against Gonorrhea.
Claims use since Mar. 23, 1938.

Ser. No. 405,155. GENERAL PURCHASING COMPANY, Paris, France. Filed Apr. 12, 1938.

Comtesse de Jansac

For Perfume.
Claims use since Aug. 24, 1937.

Ser. No. 405,169. LOESER LABORATORY, INCORPORATED, New York, N. Y. Filed Apr. 12, 1938.

PHOS-AMIN

The word "Amin" is disclaimed apart from the mark.
For Aqueous Vehicle Containing Manganese Glycerophosphate, Iron Glycerophosphate, Sodium Glycerophosphate, Calcium Glycerophosphate, Strychnine Glycerophosphate, Vitamin B and Vitamin G for Use as a General Tonic.
Claims use since Mar. 30, 1938.

Ser. No. 405,176. NATIONAL INSTITUTE OF NUTRITION, Los Angeles, Calif. Filed Apr. 12, 1938.

CALCIWAFERS

For Calcium Phosphate Product Containing Vitamin D to be Used in the Treatment for Calcium Deficiency and General Metabolism.
Claims use since Apr. 2, 1938.

Ser. No. 405,177. NATIONAL INSTITUTE OF NUTRITION, Los Angeles, Calif. Filed Apr. 12, 1938.

V-D-I

For Nasal Inhalant.
Claims use since Apr. 2, 1938.

Ser. No. 405,221. PARFUMS CORDAY, INC., New York, N. Y. Filed Apr. 13, 1938.

TZIGANE

For Perfumes.
Claims use since Apr. 4, 1938.

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Ser. No. 405,385. FEARN LABORATORIES, INC., Chicago, Ill. Filed Apr. 18, 1938.

*Tops 'em all.*

For Curing Salts and Compounds Containing Curing Salts.
Claims use since Mar. 24, 1938.

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Ser. No. 405,820. CARLOS SANTIAGO PEREZ, Caracas, Venezuela. Filed Apr. 28, 1938.

PULMOBRONK

For Medicinal Preparations for Treating Colds.
Claims use since Nov. 20, 1935.

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Ser. No. 406,080. FREDERICK A. BOCKMAN, doing business as Bocan Drug Co., Utica, N. Y. Filed May 7, 1938.




For Laxative Tablets.
Claims use since 1913.

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Ser. No. 406,360. LOUIS D. BRACKEN, Seattle, Wash. Filed May 16, 1938.

Bliss

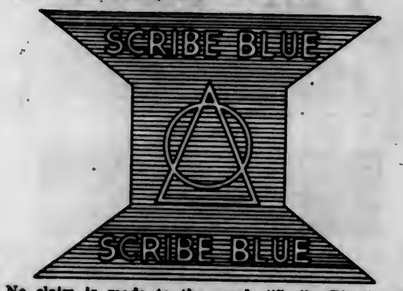
℞

The word "Bliss" is usually in red script and "℞" in black. Exclusive use of "℞" is disclaimed apart from the mark.
For Medicated Ointment for Cold Sores.
Claims use since July 10, 1929.

## CLASS 11

### Inks and Inking Materials

Ser. No. 402,839. JOHN ACQUISTO, Jamaica, Long Island, N. Y. Filed Feb. 9, 1938.




No claim is made to the words "Scribe Blue" apart from the mark. The drawing is lined for blue.
For Bluing Liquid for Lay out Work on Steel.
Claims use since November, 1937.

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Ser. No. 406,186. THE INTERNATIONAL PRINTING INK CORPORATION, New York, N. Y. Filed May 10, 1938.

GLORAY

For Printing Inks.
Claims use since Apr. 23, 1938.

## CLASS 12

### Construction Materials

Ser. No. 391,694. THE FLINTKOTE COMPANY, New York, N. Y. Filed Apr. 22, 1937.

CANE-ITE

The word "Cane" is disclaimed apart from the mark.
For Insulating Materials—Namely, Building Board, Insulating Lath, Roof Insulation, Insulating Tile, and Insulating Plank.
Claims use since Apr. 2, 1937.

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Ser. No. 391,832. THE GEO. WORTHINGTON COMPANY, Cleveland, Ohio. Filed Apr. 24, 1937.

TRAIL BLAZER

For Composition Roofing, Sheet Metal Roofing, Composition Shingles, Mill Board, Metal Roof Gutters.
Claims use since Sept. 1, 1936.

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Ser. No. 400,305. KENITE LABORATORY, INC., New York, N. Y. Filed Nov. 30, 1937.

K&NITE

For Pipe Joint Compounds.
Claims use since Aug. 7, 1937.



Ser. No. 401,479. SAMUEL GEBBLER, doing business as Chicago Sales & Building Supply Co., Chicago, Ill. Filed Jan. 3, 1938.

HERCULES

For Structural Glass-Fused Metal Building Units.
Claims use since Nov. 26, 1937.

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Ser. No. 402,119. EVER-PLASTICS CORPORATION, New York, N. Y. Filed Jan. 20, 1938.

CAULKTEX

For Synthetic Compound for Use as a Filler Between Stone, Wood, Metal, and the Like.
Claims use since Oct. 30, 1937.

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Ser. No. 402,371. GLENCOE LIME & CEMENT CO., St. Louis, Mo. Filed Jan. 27, 1938.

ETHEL

For Lime.
Claims use since Mar. 26, 1936.

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Ser. No. 405,139. TANK SEAL PRODUCTS COMPANY, Tulsa, Okla. Filed Apr. 11, 1938.

"NATASCO"

For Plastic Tank Cement, Plastic Tank Bottom Cement, Inside Shell Cement, Fibre Caulking Compound, Long Fibre; Fibre Caulking Compound, Short Fibre; Petroleum Proof (No-Crode) Caulking Compound; Gray Plastic Roof Cement; Red Plastic Roof Cement; Tank Ring Cement, Regular; Tank Ring Cement, Heavy; Tank Bottom Primer; Petroleum Proof (No-Crode) Metal Coating, and Insulation Weather Coat.
Claims use since Apr. 22, 1927.

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Ser. No. 405,572. STANDARD WALL COVERING COMPANY, INC., Philadelphia, Pa. Filed Apr. 21, 1938.

MONOLITE

For Wall Panels for Construction Purposes.
Claims use since October, 1936.

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Ser. No. 405,573. STANDARD WALL COVERING COMPANY, INC., Philadelphia, Pa. Filed Apr. 21, 1938.

MONOMARB

For Wall Panels for Construction Purposes.
Claims use since October, 1937.

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Ser. No. 405,574. STANDARD WALL COVERING COMPANY, INC., Philadelphia, Pa. Filed Apr. 21, 1938.

MONOWOOD

For Wall Panels for Construction Purposes.
Claims use since October, 1936.

## CLASS 13

### Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 405,231. WILLIAM B. WATKINS, Evanston, Ill. Filed Apr. 13, 1938.

*happy day*

For Base Metal Cooking Hollowware.
Claims use since Mar. 20, 1938.

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Ser. No. 405,570. SECURITY ENGINEERING CO. INC., Whittier, Calif. Filed Apr. 21, 1938.

SECURALOY

For Oil and Gas Well Drilling, Operating, and Cementing Equipment—Namely, Well Liners, Collars, Adapters, Pipe, Pipe Nipples, Lead Seal Plugs, Inner Lead Seal Packers Single Stage, Inner Lead Seal Packers Multiple Stage, Liner Hangers, Guide Shoes, Casing Plugs, and Bull Plugs.
Claims use since Sept. 1, 1937.

## CLASS 14

### Metals and Metal Castings and Forgings

Ser. No. 404,505. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio. Filed Mar. 28, 1938.



The mark consists of a series of green colored substantially oblong areas arranged end to end. The representation of the rod is disclaimed.
For Metallic Welding Electrodes.
Claims use since Feb. 26, 1938.

## CLASS 15

### Oils and Greases

Ser. No. 385,154. ROY E. SCHNEIDER, doing business as Alder Products Co., Kansas City, Mo. Filed Nov. 4, 1936.

ALDER

For Specialized Lubricating and Penetrating Oil.
Claims use since July 3, 1934.

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Ser. No. 401,002. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Dec. 17, 1937.

VAN TALGAR

For Lubricating Oils and Lubricating Greases.
Claims use since Sept. 9, 1937.

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Ser. No. 402,927. AUTO-LEC STORES, INC., New Orleans, La. Filed Feb. 11, 1938.

MOTO-PRIDE

For Lubricating Oils.
Claims use since 1935.

Ser. No. 404,446. JAMES E. MOON, New York, N. Y. Filed Mar. 24, 1938.



For Gunsight Blackening Candles, Bullet Lubricants, Colloidal Graphited Oil.
Claims use since Mar. 17, 1938.

Ser. No. 405,128. PARAGON OIL COMPANY, INC., Brooklyn, N. Y. Filed Apr. 11, 1938.

Parathred

For Cutting Oils and Lubricating Oils and Greases.
Claims use since Jan. 21, 1938.

Ser. No. 405,251. R. M. HOLLINGSHEAD CORPORATION, Camden, N. J. Filed Apr. 14, 1938.




For Lubricants, Lubricating Oils, Lubricating Greases, Anti-Corrosive Oils, Rust Preventive Oils, Oils for Shock Absorbers and Knee-Action Units of Automobiles, Buses, Trucks, Tractors and Airplanes; Oils for Hydraulic Brakes of Automobiles, Hydraulic Lifts, Door Checks; Rust Removing Oils and Compound Oils for Lubricating and Greasing.
Claims use since May 16, 1934.

Ser. No. 405,264. A. PHILLIPS SERVICE, Newkirk, Okla. Filed Apr. 14, 1938.



The map of Oklahoma is disclaimed apart from the mark.
For Motor Lubricating Oil.
Claims use since Apr. 5, 1938.

## CLASS 16

### Paints and Painters' Materials

Ser. No. 402,565. HUMBLE OIL & REFINING COMPANY, Houston, Tex. Filed Feb. 1, 1938.

HUMBLE

For Ready Mixed Paints and Paint Enamels.
Claims use since Sept. 15, 1937.

Ser. No. 404,706. GENERAL PAINT & VARNISH CO., Chicago, Ill. Filed Mar. 31, 1938.

SKANDIA

For Ready Mixed Paints, Paste Paints, Flat Paints, and Paint Enamels.
Claims use since Jan. 1, 1928.

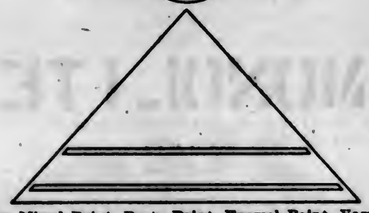
Ser. No. 405,162. IVOROID MIXED PAINT COMPANY, Newark, N. J. Filed Apr. 12, 1938.

TUSCAR

For Barn and Roof Paint.
Claims use since May 27, 1914.

Ser. No. 406,061. J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky. Filed May 6, 1938.

KURFEES



For Mixed Paint, Paste Paint, Enamel Paint, Varnish, Varnish Stain, Wood Filler, and Lacquer.
Claims use since Feb. 12, 1938.

## CLASS 19

### Vehicles, Not Including Engines

Ser. No. 388,923. EVR-KLEAN SEAT PAD CO., St. Louis, Mo. Filed Feb. 15, 1937.

Bear

For Automobile Seat Covers.
Claims use since Jan. 1, 1937.



Ser. No. 388,927. EVR-KLEAN SEAT PAD CO., St. Louis, Mo. Filed Feb. 15, 1937.

Moose

For Vehicle Seat Covers and Pads.
Claims use since Jan. 1, 1937.

Ser. No. 404,876. UTILITY TRAILER MANUFACTURING COMPANY, Los Angeles, Calif. Filed Apr. 4, 1938.



The drawing is lined for silver.
For Vehicle Bodies.
Claims use since Dec. 21, 1937.

## CLASS 21

### Electrical Apparatus, Machines, and Supplies

Ser. No. 389,563. MCGRAW ELECTRIC COMPANY, Chicago, Ill. Filed Mar. 2, 1937.

TOASTMASTER

For Electrical Appliances—Namely, Toasters, Water Heaters, Coffee Makers, Waffle Bakers, and Food Heating Containers.
Claims use on toasters since Jan. 11, 1926; on water heaters since Oct. 8, 1936; on coffee makers since Feb. 21, 1934; on waffle bakers since Sept. 18, 1935; and on food heating containers since Mar. 26, 1936.

Ser. No. 394,072. ZEPHYR COMPANY, Minneapolis, Minn. Filed June 14, 1937.

YOUR SILENT SERVANT

For Electric Vacuum Cleaners.
Claims use since Aug. 15, 1936.

Ser. No. 401,463. WRIGHT-DE COSTER, INC., St. Paul, Minn. Filed Dec. 31, 1937.

Lifetime

For Magnets.
Claims use since May 1, 1937.

Ser. No. 404,524. HERSOG MINIATURE LAMP WORKS, INC., Long Island City, N. Y. Filed Mar. 26, 1938.

SOL-REX

For Electric Incandescent Lamp Bulbs.
Claims use since Mar. 24, 1938.

Ser. No. 405,043. THE WHEELER INSULATED WIRE CO., Bridgeport, Conn. Filed Apr. 8, 1938.




No claim is made to the words "Litz" and "Wheeler" apart from the mark.
For Electric Wire.
Claims use since Mar. 10, 1938.

Ser. No. 405,508. JAMES R. KEARNEY CORPORATION, St. Louis, Mo. Filed Apr. 20, 1938.



For Overhead and Underground Electrical Line Equipment—Namely, Electrical Connectors, Lightning and Surge Arresters, Electrical Clamps, Grounders, Electrical Switches and Parts Thereof, Fuse Links, Drop Wire Grips, Wire Holders, and Electrical Cutouts.
Claims use since September, 1926.

Ser. No. 405,654. P. R. MALLORY & CO., INC., Indianapolis, Ind. Filed Apr. 23, 1938.

HAMSWITCH

For Electric Switches, Switches for Radio Sets and Similar Purposes.
Claims use since Mar. 31, 1938.

Ser. No. 405,710. KNAPP-MONARCH COMPANY, doing business as Chevron Co., St. Louis, Mo. Filed Apr. 25, 1938.

Chevron

For Electric Fans.
Claims use since Sept. 27, 1937.

## CLASS 22

### Games, Toys, and Sporting Goods

Ser. No. 397,770. AL. REUGE ET CIE., Ste. Croix, Switzerland. Filed Sept. 24, 1937.




The geographical term apart from the rest of the mark is disclaimed.

For Skis, Side-Irons for Skis, Toe Irons for Skis, Ski Bindings, Jaws for Ski Bindings, Take-up Buckles for Ski Bindings, Ski Poles, and Rings for Ski Poles.

Claims use since Nov. 16, 1932.

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Ser. No. 402,976. EDWARD J. HUGHES, doing business as Tribike Company, Mineola, N. Y. Filed Feb. 12, 1938.

TRIBIKE

For Children's Velocipedes.

Claims use since Dec. 4, 1937.

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Ser. No. 403,743. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Mar. 5, 1938.

Royale

For Playing Cards.

Claims use since 1932.

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Ser. No. 403,867. WILLIAM G. GRANT, doing business as Willco Mfg. Company, Tulsa, Okla. Filed Mar. 9, 1938.




For Athletic Equipment—Namely, Arm and Leg Exercising Devices, Bars, Rings, and Arm and Leg Developers.

Claims use since Nov. 15, 1937.

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Ser. No. 406,086. EVE BENNET, New York, N. Y. Filed May 7, 1938.

ASTRO-LOGICAL

For Dolls and Dummy Representations of Beings.

Claims use since May 12, 1937.

## CLASS 23

### Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 391,835. THE GEO. WORTHINGTON COMPANY, Cleveland, Ohio. Filed Apr. 24, 1937.

TRAIL BLAZER

For Carving Knives, Butcher Knives, Pocket Knives, Knife Sharpeners, Fruit Corers, Fruit Parers, Razors, Razor Blades, Hatchets, Axes, Hammers, Saws, Planes, Screw Drivers, Chisels, Breast Drills, Hand Drills, Vises, Picks, Mattocks, Anvils, Blacksmiths' Tools, Crow Bars, Punches, Pliers, and Gimlets.

Claims use since Sept. 1, 1936.

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Ser. No. 398,593. SAFETY VULCANIZER COMPANY, Chicago, Ill. Filed Oct. 16, 1937.




Applicant disclaims all wording apart from the mark.

For Tire Repair Vulcanizers, Tube Repair Vulcanizers, Sectional Molds, Tire Recapping Machines, and Tire Retreading Machines.

Claims use since Oct. 5, 1937.

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Ser. No. 400,149. AMERICAN CUTTING ALLOYS, INC., New York, N. Y. Filed Nov. 26, 1937.

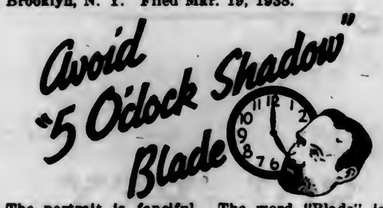
TANCUT

For Cutting Tools for Turning, Milling, Drilling, Boring, Threading, and Planing Machines, and Parts of Such Tools.

Claims use since Nov. 13, 1937.

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Ser. No. 404,243. AMERICAN SAFETY RAZOR CORPORATION. Brooklyn, N. Y. Filed Mar. 19, 1938.




The portrait is fanciful. The word "Blade" is disclaimed apart from the mark.

For Safety Razors and Safety Razor Blades.

Claims use since Mar. 7, 1938.



Ser. No. 404,261. ONSRUD MACHINE WORKS, INC., Chicago, Ill. Filed Mar. 19, 1938.

TECHNI FORM

For Routing Machines, Bending Machines, and Gluing Machines for Making Round Corner Furniture.

Claims use since Mar. 31, 1937.

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Ser. No. 404,273. TITANIUM CARBIDE CORPORATION, New York, N. Y. Filed Mar. 19, 1938.

TITALOY

For Cutting Tools for Turning, Milling, Drilling, Boring, Threading, and Planing Machines, and Parts of Such Tools.

Claims use since Feb. 2, 1938.

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Ser. No. 404,584. JOSEPH P. RUTH, Denver, Colo. Filed Mar. 28, 1938.

DESELMULE

For Mine Locomotives.

Claims use since Sept. 1, 1937.

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Ser. No. 405,460. OIL WELL SUPPLY COMPANY, Dallas, Tex. Filed Apr. 19, 1938.




For Water Tubes for Swivels, Plunger Pumps, and Plunger Pump Barrels.

Claims use since July 21, 1936, on water tubes for swivels; and since Oct. 22, 1937, on plunger pumps and plunger pump barrels.

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Ser. No. 405,696. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Apr. 25, 1938.




For Electrically Operated Instruments for Shaving and for Removing Hair From the Body.

Claims use since Apr. 18, 1938.

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Ser. No. 405,697. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Apr. 25, 1938.

Gil-lectric

For Electrically Operated Instruments for Shaving and for Removing Hair From the Body.

Claims use since Apr. 18, 1938.

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Ser. No. 405,698. HYAL PRODUCTS CO., New York, N. Y. Filed Apr. 25, 1938.

SLIMS

For Razor Blades.

Claims use since Dec. 15, 1937.

## CLASS 26

### Measuring and Scientific Appliances

Ser. No. 399,504. GEMLOID CORPORATION, New York, N. Y. Filed Nov. 9, 1937.

GEMLOID

For Dials for Use on Clocks, Radios, Gauges, Indicators and the Like.

Claims use since April, 1936.

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Ser. No. 401,808. JACQUES L. BRIL, New York, N. Y. Filed Jan. 12, 1938.

BRILOGRAF

For Electrical Lie Detector and Accessories, Including Variable Resistance Boxes, Variable Shunts, Also Sound Recording Machines for Recording on Light Sensitized Film, and Devices for Recording Electrical Changes on a Graph.

Claims use since Dec. 28, 1937.

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Ser. No. 403,085. DAVID F. KNOBLOCK, New York, N. Y. Filed Feb. 16, 1938.

VIS-O-DOR

For Optical Viewing Device for Use in Viewing Person or Object on Opposite Side of Door, Wall, or Other Barrier From the Observer.

Claims use since Feb. 5, 1938.

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Ser. No. 403,624. THE KALART COMPANY, New York, N. Y. Filed Mar. 1, 1938.

KALART

For Photograph Cameras and Camera Attachments.

Claims use since September, 1922.

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Ser. No. 404,807. INTERNATIONAL RADIO CORPORATION, Ann Arbor, Mich. Filed Apr. 2, 1938.

CINTAR

For Cameras, Camera Lens, and Photographic Equipment, More Specifically Lenses of all Types.

Claims use since Jan. 24, 1938.

Ser. No. 405,009. BUILDERS IRON FOUNDRY, Providence, R. I. Filed Apr. 8, 1938.

BUILDERS KENNISON

The word "Builders" is disclaimed.
For Fluid Flow Metering Nozzles.
Claims use since Apr. 5, 1938.

## CLASS 28

### Jewelry and Precious-Metal Ware

Ser. No. 398,356. INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Oct. 11, 1937.

FIRST LOVE

For Silver-Plated Flat-Ware and Hollow-Ware for Table Use and the Like.
Claims use since Aug. 4, 1937.

Ser. No. 402,747. OLGA TRITT, New York, N. Y. Filed Feb. 5, 1938.

EVE'S

For Jewelry for Personal Wear or Adornment, not Including Watches.
Claims use since Jan. 21, 1938.

Ser. No. 404,546. ROSENFELD CHAIN MFG. CO., New York, N. Y. Filed Mar. 26, 1938.

ROSECO

For Chains and Other Jewelry of Precious Metals for Personal Wear, not Including Watches.
Claims use since September, 1937.

Ser. No. 405,443. JACOBY-BENDER, INC., New York, N. Y. Filed Apr. 19, 1938.

PREST-O-SLIDE

No claim is made to the word "Slide" apart from the mark.
For Wrist Watch Clasps and Buckles.
Claims use since Dec. 15, 1937.

## CLASS 30

### Crockery, Earthenware, and Porcelain

Ser. No. 398,271. AKTIESELSKABET BING & GRØNDAHLS PORCELLENSFABRIK, Copenhagen, Denmark. Filed Oct. 8, 1937.

B&G KJØBENHAVN

B&G

No claim is made to the word "Kjøbenhavn".
For Porcelain and Crockery Ware for Domestic and Restaurant Use—Namely, Dinner-Services, Breakfast-Services, Lunch-Services, Tea-Services, Coffee-Services, Including Tea Sets and Coffee Sets and Specified as Plates, Dishes, Dessert Plates, Bowls, Tureens, Vegetable Dishes, Sauce Pans, Cups, Saucers, Sauce-Tureens, Jugs, Jars, Mugs, Pots, Salt-Boxes, Salt-Cellars, Mustard-Boxes, Pepper-Boxes, Sugar-Boxes, Sugar Basins; and Porcelain Stoneware and Earthenware in the Form of Vases, Bowls.
Claims use since Dec. 12, 1907.

Ser. No. 404,921. STETSON CHINA COMPANY, INC., Chicago, Ill. Filed Apr. 5, 1938.

Queen Anne

For China Tableware.
Claims use since Mar. 1, 1936.



## CLASS 31

### Filters and Refrigerators

Ser. No. 405,867. THE WHIRLFLO CORPORATION, Pittsburgh, Pa. Filed Apr. 29, 1938.

Whirlflo

For Apparatus for Straining or Filtering Fluids, and Parts Thereof.
Claims use since July 2, 1937.

## CLASS 32

### Furniture and Upholstery

Ser. No. 406,481. DAVID PARANSKY, doing business as Star Bedding Company, Pittsburgh, Pa. Filed May 14, 1938.

For Mattresses.
Claims use since Jan. 1, 1938.

Ser. No. 406,588. THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md. Filed May 21, 1938.

SNOW CLOUD

For Cotton Mattresses, Cotton Felt Mattresses, Hair Mattresses, Lamb's Wool Mattresses, Mattresses with Innerspring Center, Cushions, Studio Couches, Box Springs, and Pillows.
Claims use since Nov. 1, 1932.

## CLASS 34

### Heating, Lighting, and Ventilating Apparatus

Ser. No. 404,894. GENERAL EQUIPMENT CO., Los Angeles, Calif. Filed Apr. 5, 1938.

Seabreeze

For Cooling Unit for Air Conditioning.
Claims use since Mar. 12, 1938.

## CLASS 35

### Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 391,840. THE GEO. WORTHINGTON COMPANY, Cleveland, Ohio. Filed Apr. 24, 1937.

TRAIL BLAZER

For Rubber Hose, Leather Belting, Canvas Belting, Wick Packing, and Valve Packing.
Claims use since Sept. 1, 1936.

Ser. No. 401,427. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio. Filed Dec. 31, 1937.

TOE ACTION TREAD

The term "Tread" is disclaimed apart from the mark.
For Tires Constructed of Rubber and Fabric Composition.
Claims use since July 14, 1937.

## CLASS 37

### Paper and Stationery

Ser. No. 403,473. THE SMEAD MANUFACTURING COMPANY, Hastings, Minn. Filed Feb. 26, 1938.

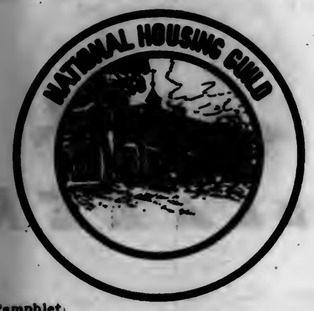
TELL-I-VISION

The word "Vision" is disclaimed apart from the mark.
For Filing Pockets, Expanding Wallets, File Holders, Index Guides, Filing Envelopes, Mailing Envelopes, Visible Record Sheets, Index Cards, Memorandum Sheets, Loose Leaf Sheets, and Loose Leaf Index Tabs.
Claims use since June 15, 1933.

## CLASS 38

### Prints and Publications

Ser. No. 388,192. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Jan. 26, 1937.




For Pamphlet.
Claims use since Oct. 7, 1936.

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Ser. No. 395,629. SALESMEN'S LEAGUE OF AMERICA, INC., New York, N. Y. Filed July 24, 1937.

**SALES DIGEST**

For Periodical Publication.
Claims use since July 19, 1937.

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Ser. No. 400,080. APPLEBY & APPLEBY, doing business as Audit Bureau of Broadcasting Coverage, Atlantic City, N. J. Filed Nov. 24, 1937.




For Periodic Bulletins, Reports, and Compilations of Data Relating to Broadcasting Activities.
Claims use since Nov. 1, 1937.

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Ser. No. 400,551. CHURCHILL DOWNS-LATONIA INC., Louisville, Ky. Filed Dec. 7, 1937. Under 10-year proviso.

*Kentucky*
DERBY

For Magazine Published from Time to Time.
Claims use since June, 1874.

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Ser. No. 401,116. THE MCCORMICK-ARMSTRONG PRESS COMPANY, Wichita, Kans. Filed Dec. 21, 1937.

*THE American Way*

The word "American" alone is disclaimed apart from the mark.
For Magazines.
Claims use since Dec. 1, 1937.

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Ser. No. 401,369. CAMDEN FURNITURE COMPANY, Camden, Ark. Filed Dec. 30, 1937.

**CAMDEN ADALOG**

The word "Camden" per se is disclaimed except as shown.
For Periodical Advertising Publication.
Claims use since Nov. 3, 1937.

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Ser. No. 402,782. THE MEYERCORD COMPANY, Chicago, Ill. Filed Feb. 7, 1938.

**SANS-MARB**

For Decalcomanias.
Claims use since September, 1931.

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Ser. No. 403,026. FRANCES ROYSTER WILLIAMS, doing business as Mrs. Winthrop Williams, Kansas City, Mo. Filed Feb. 14, 1938.

**CUDDLES AND TUCKIE**

For Series of Cartoons.
Claims use since May 8, 1932.

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Ser. No. 403,160. THE DECORATORS DIGEST, INC., New York, N. Y. Filed Feb. 18, 1938.

**INTERIOR DESIGN**
**AND**
**DECORATION**

For Magazine Published at Monthly Intervals.
Claims use since April, 1932.

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Ser. No. 403,250. FLYING STORIES, INC., New York, N. Y. Filed Feb. 21, 1938.

*BASEBALL STORIES*

For Periodical.
Claims use since Jan. 5, 1938.

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Ser. No. 403,400. DEPARTMENT STORE PUBLISHING CORPORATION, New York, N. Y. Filed Feb. 25, 1938.

**DEPARTMENT STORE** *Economist*

For Bi-Monthly Magazine of General Interest to Those Engaged in Department Store and Retail Business.
Claims use since Jan. 25, 1938.



Ser. No. 403,925. SHOWMEN'S TRADE REVIEW, INC., New York, N. Y. Filed Mar. 10, 1938.




For Annual Trade Publication.
Claims use since Jan. 29, 1938.

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Ser. No. 404,166. DEUTSCHER KRIEGERBUND NEW YORK VON 1884, INC., New York, N. Y. Filed Mar. 17, 1938.

**Der Frontkämpfer**

For Monthly Magazine.
Claims use since July 1, 1936.

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Ser. No. 404,275. UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed Mar. 19, 1938.

COMICS ON PARADE

For Magazine Issued Periodically.
Claims use since Mar. 11, 1938.

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Ser. No. 404,496. SIMPLICITY PATTERN COMPANY, New York, N. Y. Filed Mar. 23, 1938.

***SCHOOL SEWING SERVICE NEWS***

For Fashion Periodicals.
Claims use since Sept. 1, 1937.

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Ser. No. 404,504. POLYFOTO CORPORATION, Bridgeport, Conn. Filed Mar. 24, 1938.

*Silver Shadows Studio*

No claim is made to the word "Studio" apart from the mark.
For Photographs.
Claims use since Mar. 16, 1938.

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Ser. No. 405,021. HEARST MAGAZINES INC., New York, N. Y. Filed Apr. 8, 1938.

**HOUSE BEAUTIFUL**
**BUILDING MANUAL**

For Magazine Published Semi-Annually.
Claims use since 1935.

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Ser. No. 405,709. WILLIAM H. KOPOED, Philadelphia, Pa. Filed Apr. 23, 1938.

SIR *Addressed to Men*

For Magazine Published Periodically.
Claims use since Mar. 1, 1938.

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## CLASS 39

### Clothing

Ser. No. 391,830. TRIBORO KNITTING MILLS, INC., New York, N. Y. Filed Apr. 24, 1937.

**VES-TEX**

For Sweaters.
Claims use since Mar. 30, 1937.

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Ser. No. 403,188. STAR-MAID DRESSES INC., New York, N. Y. Filed Feb. 18, 1938.

PAKABLES

For Women's and Misses' Dresses, Coats, Jackets, Skirts, and Blouses Made of Rayon, Silk, Cotton, Wool, or Mixtures Thereof.
Claims use since Jan. 17, 1938.

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Ser. No. 404,126. W. H. GOODSTEIN MILLINERY CO., Chicago, Ill. Filed Mar. 16, 1938.




For Women's Hats.
Claims use since Apr. 1, 1932.

Ser. No. 404,162. CONGRESS SHIRT COMPANY, Boston, Mass. Filed Mar. 17, 1938.

Congress MAC-PARKA SPORTSWEAR

Applicant disclaims the words "Parka" and "Sportswear" apart from the mark.

For Sport Jackets and Parkas for use by Men and Young Men.

Claims use since Feb. 1, 1937.

Ser. No. 404,177. S. LIEBOVITZ & SONS, INC., New York, N. Y. Filed Mar. 17, 1938.

PARAGON

For Negligee Shirts for Men and Youths.

Claims use since September, 1909.

Ser. No. 404,935. COHEN, GOLDMAN & CO. INC., New York, N. Y. Filed Apr. 6, 1938.

Velour-tex

Applicant disclaims the word "Velour" apart from the mark.

For Men's, Boys', and Children's Outer Garments, Consisting of Coats, Vests, Pants, and Trousers Made of Velour Fabric.

Claims use since Jan. 2, 1938.

Ser. No. 405,160. GROBLUE KNITTING MILLS, INC., New York, N. Y. Filed Apr. 12, 1938.

"GOOD MIXERS" by Groblue

The words "Good Mixers" are disclaimed apart from the mark.

For Ladies', Misses', and Children's Dresses.

Claims use since Mar. 21, 1938.

Ser. No. 405,203. FRIENDLY KNITTING MILLS, INC., Brooklyn, N. Y. Filed Apr. 13, 1938.

Sleeve-A-Way

For Knitted Sweaters.

Claims use since Mar. 1, 1938.

Ser. No. 405,375. U. S. KNITWEAR CO., Baltimore, Md. Filed Apr. 16, 1938.

Oxford Hall

The word "Oxford" is claimed only in association with the other features of the mark.

For Knitted Sweaters and Knitted Bathing Suits.

Claims use since Mar. 1, 1938.

Ser. No. 405,412. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 18, 1938.

"Searspride"

For Women's and Children's Dresses.

Claims use since December, 1935.

Ser. No. 405,431. BELK BROTHERS COMPANY, Charlotte, N. C. Filed Apr. 19, 1938.

Bellbro

For Men's, Women's, and Children's Shoes Made of Leather, Men's and Children's Hose, and Children's Anklets.

Claims use since Aug. 15, 1937, on shoes; since Oct. 15, 1937, on men's hose; and since Sept. 29, 1937, on children's hose.

Ser. No. 405,586. BERMUDA KNITWEAR CORPORATION, New York, N. Y. Filed Apr. 22, 1938.

KITTEN GORA

For Knitted Outerwear and Beach Wear—Namely, Sweaters, Play Suits, Jackets, Shirts, Skirts, Vestees, Dresses, Mufflers, Snow-Hats, Snow-Suits, Bathing Suits, Capes, Pajamas, and Beach Robes for Men, Women, and Children.

Claims use since Nov. 9, 1936.

Ser. No. 405,695. GALLENKAMP STORES CO., San Francisco, Calif. Filed Apr. 25, 1938.

GOOD NEWS

For Shoes Made Wholly or Partly of Leather.

Claims use since Mar. 1, 1938.



Ser. No. 405,789. JOHN D. VAN ALLEN & SON, INC., Clinton, Iowa. Filed Apr. 27, 1938.

BRAECREST

For the Following Items of Men's Furnishings: Dress, Negligee, and Work Shirts, Pajamas, Socks, and Neckties.

Claims use since May 14, 1937.

Ser. No. 405,961. HICKEY FREEMAN COMPANY, Rochester, N. Y. Filed May 3, 1938.

Ka'rajah

For Suits, Topcoats, and Overcoats.

Claims use since Apr. 11, 1938.

Ser. No. 405,964. LOOMTOGS, INC., New York, N. Y. Filed May 3, 1938.

"Javanola"

For Women's and Misses' Two-Piece Playsuits Made of a Printed Rayon Fabric.

Claims use since Mar. 15, 1938.

Ser. No. 406,006. WOLFE & LANG, INC., New York, N. Y. Filed May 4, 1938.

Separettes

For Panties and Girdles.

Claims use since Apr. 1, 1938.

## CLASS 42

### Knitted, Netted, and Textile Fabrics

Ser. No. 392,006. ARONSON-CAPLIN COMPANY, INC., New York, N. Y. Filed Apr. 29, 1937.



The word "Satin" is claimed only in connection with the other features of the mark. The figures are fanciful.

For Silk, Satin, Rayon, and Cotton Piece Goods.

Claims use since Apr. 1, 1930.

Ser. No. 395,538. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed July 22, 1937.

Pepperell Princess

Applicant is owner of T. M. Reg. No. 141,199 effected under the ten-year proviso.

For Sheets and Pillowcases.

Claims use since June, 1932.

Ser. No. 403,151. TREMONT MILLS CORPORATION, New York, N. Y. Filed Feb. 17, 1938.



For Grosgrain Ribbon Made from Silk Warp, with Cotton Filling, Grosgrain Ribbon Made from Rayon Warp, with Cotton Filling, Grosgrain Ribbon Made from Rayon Warp, with Rayon Filling, Satin Ribbon, Made from Rayon Warp, with Rayon Filling, Satin Ribbon Made from Rayon Warp with Cotton Filling, Grosgrain Tubular Ribbon Made from Rayon Warp with Cotton Filling, Rattail Round Satin Ribbon and Cord Made from Rayon Warp, with Cotton Filling, Ribbon Made from Satin and Grosgrain, One Side of Which Is Satin and the Other Grosgrain, Metallic Ribbon, Tinsel Ribbon, Rayon and Tinsel Ribbon, Rayon Ribbon Made from Tinsel Warp with Cotton Filling, Rayon Ribbon Made from Tinsel Warp with Rayon Filling, All for Trimming and Ornamental Purposes, Sold by the Yard, Piece, or Bolt.

Claims use since Nov. 1, 1935.

Ser. No. 404,276. WELLESLEY MODES, INC., New York, N. Y. Filed Mar. 19, 1938.

TAILORED BY GENUINE Sea Mist

All words except "Sea Mist" are disclaimed apart from the mark. The representation of the label per se is disclaimed.

For Piece Goods of Silk, Silk and Rayon, Cotton, Rayon, Wool, and Mixtures Thereof.

Claims use since Feb. 25, 1937.

Ser. No. 405,590. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 22, 1938.

CELOSATIN

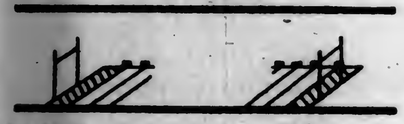
For Fabrics in the Piece Made Wholly or Partially of Cellulose Derivatives.
Claims use since Apr. 19, 1938.

Ser. No. 405,758. JESSE ALBERT BACK, Lawrence, N. Y. Filed Apr. 27, 1938.

CLOTHEX

For Cheese Cloth in the Piece and in Cut Lengths.
Claims use since Apr. 18, 1938.

Ser. No. 405,950. WEST POINT MANUFACTURING COMPANY, Langdale, Ala. Filed May 2, 1938.



For Towels.
Claims use since Dec. 17, 1937.

## CLASS 43

### Thread and Yarn

Ser. No. 398,539. RICHARD INGHAM & COMPANY LIMITED, Pudsey, England. Filed Oct. 15, 1937.




The figure is fanciful.
For Yarns of Wool, Worsted, or Hair.
Claims use since 1921.

Ser. No. 402,314. MAX POLLACK & COMPANY, INC., New York, N. Y. Filed Jan. 25, 1938.

FALCON

For Thread.
Claims use since Jan. 15, 1935.

Ser. No. 405,951. AMERICAN BEMBERG CORPORATION, New York, N. Y. Filed May 3, 1938.

Bembella

For Thread and Yarn of Artificial Origin.
Claims use since Oct. 31, 1928.

## CLASS 44

### Dental, Medical, and Surgical Appliances

Ser. No. 401,763. BROADWAY DRUG PRODUCTS CO., New York, N. Y. Filed Jan. 11, 1938.

Broadway

For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since May 1, 1937.

## CLASS 45

### Beverages, Nonalcoholic

Ser. No. 399,738. L. STEINERBOSER & SONS, INC., Jersey City, N. J. Filed Nov. 13, 1937.

RIPPLE

For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks, and Sirups and Extracts for Making the Same.
Claims use since Apr. 28, 1937.

Ser. No. 402,970. GARNER-TARKENTON, Wilson, N. C. Filed Feb. 12, 1938.



The portrait is fanciful.
For Non-Alcoholic Soda Fountain Beverage.
Claims use since June, 1937.



Ser. No. 404,949. NEWPORT MINERAL WATER COMPANY, INC., Newport, Ky. Filed Apr. 6, 1938.




The word "Cola" is disclaimed apart from the mark.
For Non-Alcoholic, Non-Cereal, Maltless Beverage, Sold as a Soft Drink and Sirup and Extract for Making the Same.
Claims use since January, 1938.

Ser. No. 404,969. VIM LABORATORIES, Chicago, Ill. Filed Apr. 6, 1938.




The slogan "Rids That Morning After Feeling" is disclaimed apart from the mark.
For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since November, 1937.

Ser. No. 405,577. UNION BOTTLING COMPANY, Memphis, Tenn. Filed Apr. 21, 1938.







The words and numerals "Beverages—6—Delicious Flavors—6—Quality in Abundance" are disclaimed apart from the mark shown and no claim is made to the representation of the labels per se.
The bust of an American Indian shown is believed to be a likeness of Chief Chisca, who was the leader of a tribe of Indians located near applicant's place of business at the time De Soto discovered the Mississippi River about the year 1541.
For Soft Drinks—Namely, Grape, Orange, Lemon, Lime-Rickey, Strawberry, Peach, Cherry, Cream Soda, and Root Beer.
Claims use since Apr. 1, 1914.

Ser. No. 405,864. LOLA BEVERAGES, INC., Thompsonville, Conn. Filed Apr. 29, 1938.

Lola

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Apr. 20, 1938.

Ser. No. 405,917. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed May 2, 1938.

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For Orange Soda, Root Beer, Grape Soda, Lemon Club Soda, and Ginger Ale.
Claims use since Apr. 27, 1938.

Ser. No. 406,464. NATURAL SET UP SALES CORPORATION, St. Louis, Mo. Filed May 18, 1938.

MILK-BOTL

For Nonalcoholic, Maltless Soft Drinks, Particularly Orange Beverages, and for Nonalcoholic, Maltless Extracts and Concentrated Fruit Syrups Used in the Preparation of said Soft Drinks.
Claims use since Aug. 20, 1937.

## CLASS 46

### Foods and Ingredients of Foods

Ser. No. 391,680. THE WILLIAM G. BELL COMPANY, Boston, Mass. Filed Apr. 22, 1937. Under 10-year proviso.



For Spiced Seasonings.
Claims use since Mar. 10, 1878.

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Ser. No. 397,666. KARL DANA JAMES, doing business as K. D. James, Algona, Iowa. Filed Sept. 22, 1937.

**JAMES FAMOUS WALKING SUNDAE**

No claim is made to the word "Sundae" or to the name "James" used apart from the mark.
For Ice-Cream Confection.
Claims use since Aug. 11, 1937.

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Ser. No. 398,609. S. BUXBAUM COMPANY, Newton Centre, Mass. Filed Oct. 18, 1937.




The word "Butter" is disclaimed apart from the mark.
For Butter.
Claims use since June 15, 1937.

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Ser. No. 399,810. EARL SILLIS CO., Anaheim, Calif. Filed Nov. 16, 1937.

**CITRA-GOLD**

For Orange Butter, Orange Marmalade, Citrus Fruit Juices for Food Purposes—Namely, Orange Juice, Lime Juice, Lemon Juice, and Grapefruit Juice, and Citrus Fruit Oils for Food Purposes—Namely, Orange Oil, Lemon Oil, Grapefruit Oil, and Lime Oil.
Claims use since July 1, 1937.

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Ser. No. 400,006. GOLD BUCKLE ASSOCIATION, East Highlands, Calif. Filed Nov. 22, 1937.

**LAGOON**

For Fresh Citrus Fruits.
Claims use since 1919.

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Ser. No. 400,123. NEW ERA CANNING COMPANY, New Era, Mich. Filed Nov. 24, 1937.

**New Era**

For Canned Fruits and Canned Vegetables.
Claims use since June 1, 1910.

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Ser. No. 401,795. ST. CLAIR FOODS COMPANY, McAllen, Tex. Filed Jan. 11, 1938.

**Texas Top**

No claim is made to the word "Texas" apart from the mark.
For Canned Foods—Namely, Canned Fruit Juices for Food Purposes.
Claims use since Dec. 24, 1937.

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Ser. No. 402,552. CALIFORNIA CITRUS JUICE EXCHANGE INCORPORATED, Santa Ana, Calif. Filed Feb. 1, 1938.

**CALCIJUS**

For Canned Orange Juice, Lemon Juice, Lime Juice, and Grapefruit Juice for Food Purposes; Orange Jelly; Orange Jam; Orange Butter; Cold Pressed Oil of Orange, Cold Pressed Oil of Lemon, Cold Pressed Oil of Lime, and Cold Pressed Oil of Grapefruit, said Oils Being for Food Flavoring Purposes; and Lemon Sherbet Base, Orange Sherbet Base, Grapefruit Sherbet Base, and Lime Sherbet Base, said Sherbet Bases Being in Liquid Form.
Claims use since Nov. 4, 1936.

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Ser. No. 402,904. THE DON CONFECTIONERY COMPANY LIMITED, Sheffield, England. Filed Feb. 10, 1938.

**THE DON**

For Candies.
Claims use since Feb. 8, 1889.



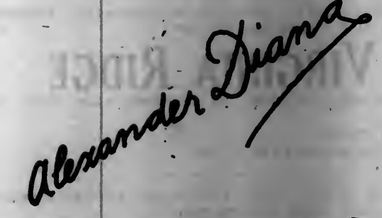
Ser. No. 403,345. JOSEPH S. WITKOWSKI, doing business as Witt Packing Co., Chicago, Ill. Filed Feb. 23, 1938.




No claim is made to the words apart from the mark.
For Prepared Dog Food.
Claims use since Nov. 1, 1934.

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Ser. No. 403,542. ALEXANDER DIANA, doing business as Diana Fruit Preserving Co., Santa Clara, Calif. Filed Mar. 1, 1938.




Trade mark is applicant's facsimile signature.
For Preserved Cherries.
Claims use since Dec. 29, 1937.

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Ser. No. 404,290. BEMMER BROS., Chicago, Ill. Filed Mar. 21, 1938.

**HEXIES**

For Crackers.
Claims use since Aug. 17, 1937.

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Ser. No. 404,362. GUM INCORPORATED, Philadelphia, Pa. Filed Mar. 22, 1938.




The drawing is lined for red.
For Chewing Gum.
Claims use since Feb. 18, 1938.

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Ser. No. 404,463. VERNON J. BILLIMACK, doing business as Inca Products, St. Louis, Mo. Filed Mar. 25, 1938.

**...INCA...**

**BIRD SEED**



No claim is made to the words "Bird Seed" nor "INCA" apart from the mark as shown in the drawing.
For Bird Foods for Canaries and the like.
Claims use since Mar. 17, 1938.

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Ser. No. 404,627. BALFOUR, GUTHRIE & CO., LIMITED, San Francisco, Calif. Filed Mar. 30, 1938.

**BALFOURIZED**

For Canned Prunes.
Claims use since Mar. 12, 1938.

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Ser. No. 404,633. WARD DANIELS, Fillmore, Calif. Filed Mar. 30, 1938.

**SILVER CRAFT**

For Fresh Citrus Fruit.
Claims use since Mar. 3, 1938.

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Ser. No. 404,766. KENNETH A. MCGAW, Chicago, Ill. Filed Apr. 1, 1938.

*Dixie-Doodle*

Applicant disclaims the term "Dixie" apart from the mark.
For Cakes, Filled and Garnished with Butter Cream, Filling or Icing.
Claims use since May, 1937.

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Ser. No. 404,789. THE HASBROT COMPANY, Cleveland, Ohio. Filed Apr. 4, 1938.

**UNION CLUB**

For Coffee.
Claims use since Apr. 7, 1904.

Ser. No. 405,150. CENTRAL ORANGE COUNTY CITRUS EXCHANGE, Anaheim, Calif. Filed Apr. 12, 1938.

**TRUVAL**

For Fresh Citrus Fruit, Canned Citrus Fruit Juices, and Citrus Fruit Concentrates for Food Purposes.
Claims use since Apr. 4, 1938.

Ser. No. 405,487. DAN DAWSON, Harveysburg, Ohio. Filed Apr. 20, 1938.




The words "Medicated Hog Food" are disclaimed apart from the mark.
For Medicated Hog Food.
Claims use since Jan. 22, 1938.

Ser. No. 406,106. HUGH TEBAULT & COMPANY, INC., New York, N. Y. Filed May 7, 1938.

**CEREVIM**

For Breakfast Cereals.
Claims use since Dec. 14, 1936.

Ser. No. 406,135. ICE CREAM PRODUCTS, INC., Chicago, Ill. Filed May 9, 1938.

**FRIZ**

For Specially Treated Milk Solids with and Without Sugar and Flavoring in Liquid and Powdered Form.
Claims use since June 22, 1937.

Ser. No. 406,163. ADAMS & BROOKS, Los Angeles, Calif. Filed May 10, 1938.

**STUF**

For Popped Popcorn.
Claims use since May 3, 1938.

## CLASS 47
### Wines

Ser. No. 386,798. FEUERHEERD BROS. & CA. LTDA., Villa Nova de Gaya (Oporto), Portugal. Filed Dec. 16, 1936.

**FEUERHEERD'S PORT**
**(Portugal)**

For Port Wines.
Claims use since June 16, 1885.

Ser. No. 398,925. ANTONIO MORAMARCO, doing business as California Mission Vintage Co., Los Angeles, Calif. Filed Oct. 25, 1937.

**SANTA YNEZ**

For Wines.
Claims use since Sept. 21, 1937.

Ser. No. 403,779. MONARCH WINE COMPANY, INC., New York, N. Y. Filed Mar. 7, 1938.

**FIVE STAR**
★ ★ ★ ★ ★

For Wines.
Claims use since 1914.

Ser. No. 404,374. QUALITY BRANDS, INC., San Francisco, Calif. Filed Mar. 22, 1938.

**DARDANELLA**

For Wines.
Claims use since Mar. 8, 1938.

## CLASS 49
### Distilled Alcoholic Liquors

Ser. No. 402,511. CONRAD PAOH CORPORATION, Washington, D. C. Filed Jan. 31, 1938.

**VIRGINIA RIDGE**

The word "Virginia" is disclaimed apart from the mark.
For Brandy.
Claims use since Feb. 2, 1937.

Ser. No. 403,927. TRAIN & MCINTYRE, LIMITED, Glasgow, Scotland. Filed Mar. 10, 1938.

**THE VETERAN BLEND**

No claim is made to the word "Blend" apart from the mark.
For Scotch Whisky.
Claims use since Jan. 16, 1919.

Ser. No. 404,142. TOM WALKER, INC., Pittsburgh and Glenfield, Pa. Filed Mar. 16, 1938.




For Whiskey.
Claims use since Mar. 1, 1938.



Ser. No. 404,903. MONTEBELLO DISTILLERS, INCORPORATED, Baltimore, Md. Filed Apr. 5, 1938.

**Six Bells**

For Whiskey, Gin, Brandy, Cognac, Rum, and Alcoholic Cordials.
Claims use since Dec. 7, 1933.

Ser. No. 405,064. JPH. ETOURNAUD & CO., Cognac, France. Filed Apr. 9, 1938.




THE GENTLEMEN'S DRINK: ETOURNAUD

Applicant disclaims the words "Trade Mark" and "The Gentlemen's Drink: Etournaud" except as shown.
For Cognac and Liqueurs.
Claims use since Oct. 25, 1937.

Ser. No. 405,372. JOSEPH SPATOLA, SR., doing business as Spatola Importing Company, Philadelphia, Pa. Filed Apr. 16, 1938.

**GLEN SYLVIA**

For Scotch Whiskey.
Claims use since October, 1935.

# TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 28, 1938

358,023. MEDICATED CHEWING GUM FOR USE AS A BREATH DEODORANT OR AS AN ANTACID. THOMPSON & THOMPSON, Pittsburgh, Pa.
Filed May 22, 1936. Serial No. 378,765. PUBLISHED APRIL 19, 1938. Class 6.

358,024. DETERGENTS FOR LAUNDRY USES. THE SPEARE SUPPLY COMPANY, Chicago, Ill.
Filed July 20, 1936. Serial No. 381,234. PUBLISHED SEPTEMBER 7, 1937. Class 4.

358,025. DETERGENTS, PARTICULARLY SODIUM SILICATE DETERGENTS. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed October 30, 1936. Serial No. 384,960. PUBLISHED JANUARY 5, 1937. Class 4.

358,026. CLUTCH PLATES AND REPLACEMENT PARTS OF CLUTCH PLATES. B. G. H. AUTOMOTIVE MANUFACTURING CO., Elgin, Ill.
Filed November 4, 1936. Serial No. 385,129. PUBLISHED APRIL 19, 1938. Class 23.

358,027. COVERS FOR FURNITURE, CHAIRS, SEATS, AND DAVENPORTS, AND TAILORED-TO-FIT SEAT AND BACK COVERS FOR FURNITURE, CHAIRS, SEATS, AND DAVENPORTS. FRY PRODUCTS, INCORPORATED, Detroit, Mich.
Filed December 17, 1936. Serial No. 386,856. PUBLISHED APRIL 19, 1938. Class 32.

358,028. WOVEN CLOTH COMPOSED OF A MIXTURE OF ANIMAL FIBRES IN THE PIECE. S. STROOCK & Co. INC., New York, N. Y.
Filed December 30, 1936. Serial No. 387,296. PUBLISHED APRIL 19, 1938. Class 42.

358,029. ANALGESIC. FERNAND MAUMARY, doing business as Mau Mary Laboratories, New York, N. Y.
Filed January 14, 1937. Serial No. 387,793. PUBLISHED APRIL 5, 1938. Class 6.

358,030. PREPARATION FOR THE TREATMENT OF COUGHS, COLDS, BRONCHIAL, AND THROAT IRRITATIONS. JOSEPH A. COLLINS, doing business as Collins The Chemist, Yonkers, N. Y.
Filed January 16, 1937. Serial No. 387,860. PUBLISHED APRIL 12, 1938. Class 6.

358,031. PREPARATION FOR PREVENTING RUST IN RADIATORS, FOR DISSOLVING AND REMOVING RUST FROM RADIATORS, ETC. KANT-RUST MANUFACTURING COMPANY, Holdenville, Okla.
Filed February 9, 1937. Serial No. 388,680. PUBLISHED APRIL 12, 1938. Class 6.

358,032. FINGERNAIL PRESERVER AND TONIC, NAIL POLISHES, NAIL POLISH REMOVER, NAIL WHITE, CUTICLE SOFTENER, AND CUTICLE REMOVER. SUNBEAM LABORATORIES, Los Angeles, Calif.
Filed February 11, 1937. Serial No. 388,808. PUBLISHED APRIL 27, 1937. Class 6.

358,033. ELECTRICAL AUTOMOBILE HORNS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed February 24, 1937. Serial No. 389,333. PUBLISHED APRIL 19, 1938. Class 21.

358,034. FRUIT JUICES FOR FOOD PURPOSES AND CANDIES. DAVERS, Springfield, Ill.
Filed March 15, 1937. Serial No. 390,051. PUBLISHED APRIL 19, 1938. Class 46.

358,035. ELECTRICAL CONTACTS. EISLER ELECTRIC CORPORATION, also doing business as Callite Products Co., Union City, N. J., and Wilmington, Del.
Filed March 29, 1937. Serial No. 390,641. PUBLISHED APRIL 19, 1938. Class 21.

358,036. LIGHT POLARIZERS. POLARIZED PRODUCTS CORPORATION, Whitestone, N. Y.
Filed April 22, 1937. Serial No. 391,709. PUBLISHED APRIL 19, 1938. Class 26.

358,037. SHAVING SOAP. CASTILIAN PRODUCTS CORP., Los Angeles, Calif.
Filed May 3, 1937. Serial No. 392,196. PUBLISHED APRIL 19, 1938. Class 4.

358,038. SOLUBLE CELLULOSE PRODUCT, HAVING VARIOUS USES IN THE INDUSTRIAL ARTS, PARTICULARLY AS A BINDER OR A PLASTIC. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed May 8, 1937. Serial No. 392,488. PUBLISHED APRIL 19, 1938. Class 6.

358,039. PREPARATION CONTAINING VITAMIN B. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed May 17, 1937. Serial No. 392,889. PUBLISHED APRIL 12, 1938. Class 6.

358,040. PREPARATION CONTAINING VITAMIN B. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed May 17, 1937. Serial No. 392,890. PUBLISHED APRIL 12, 1938. Class 6.

358,041. WORM VEGETABLE COMPOUND, SPECIFIC SYRUP AND MEDICINE FOR TEETHING CHILDREN. ALICE V. SCOTT, Dayton, N. Y.
Filed May 27, 1937. Serial No. 393,466. PUBLISHED APRIL 5, 1938. Class 6.

358,042. TISSUE CREAM. GENE PALMER, INCORPORATED, Los Angeles, Calif.
Filed June 2, 1937. Serial No. 393,546. PUBLISHED JANUARY 25, 1938. Class 6.

358,043. CAMERA LENSES, PHOTOGRAPHIC LENSES, AND LENS MOUNTS. IHAGEE KAMERAWERK STEENBERGEN & COMPANY, Dresden, Germany.
Filed June 15, 1937. Serial No. 394,085. PUBLISHED APRIL 19, 1938. Class 26.

358,044. FACE POWDER, COLD CREAM, VANISHING CREAM, ALL PURPOSE FACE CREAM, ASTRINGENT, LIPSTICK, LIP ROUGE, ETC. LOVELY LADY, INC., Chicago, Ill.
Filed June 18, 1937. Serial No. 394,239. PUBLISHED JANUARY 25, 1938. Class 6.

358,045. MOTH REPELLANT PREPARATION. MOTH-O-RIZE CO., INC., Chicago, Ill.
Filed June 18, 1937. Serial No. 394,242. PUBLISHED MARCH 8, 1938. Class 6.

358,046. MOTH REPELLANT PREPARATION. MOTH-O-RIZE CO., INC., Chicago, Ill.
Filed June 18, 1937. Serial No. 394,243. PUBLISHED MARCH 8, 1938. Class 6.

358,047. FURNITURE MADE OF WOOD, METAL, OR UPHOLSTERY, AS FOLLOWS—LIVING ROOM FURNITURE, SUCH AS TWO, THREE, OR MORE PIECE UPHOLSTERED (OVERSTUFFED) SUITES, SOFAS, SETTEES, ETC. STERN & CO., Philadelphia, Pa.
Filed June 23, 1937. Serial No. 394,436. PUBLISHED APRIL 5, 1938. Class 32.

358,048. FRESH CITRUS FRUIT AND CANNED ORANGE JUICE FOR FOOD PURPOSES. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif.
Filed July 3, 1937. Serial No. 394,852. PUBLISHED JANUARY 4, 1938. Class 46.

358,049. AFTER SHAVE POWDER, AFTER SHAVE LOTION, SHAMPOOS, AND COLOGNES. NASSOUR BROS. INC., LTD., Los Angeles, Calif.
Filed July 10, 1937. Serial No. 395,076. PUBLISHED JANUARY 18, 1938. Class 6.





358,050. CHEMICALS, AND PHARMACEUTICAL PREPARATIONS—NAMELY, MENTHOL, THYMOL, EUCALYPTOL, ANETHOLE, BORNEOL, CAMPHOR, ETC. SOCIÉTÉ CHEYSA, Fontaines-sur-Saone, France.
Filed August 5, 1937. Serial No. 396,048. PUBLISHED APRIL 19, 1938. Class 6.

358,051. DANDRUFF REMOVER AND PREPARATION FOR STIMULATING THE GROWTH OF HAIR. MAUD E. BRYANT, doing business as Bry-a-Lene Company, San Francisco, Calif.
Filed August 17, 1937. Serial No. 396,488. PUBLISHED APRIL 5, 1938. Class 6.

358,052. NEWSPAPER. THE PONTIAC PRESS CO., Pontiac, Mich.
Filed August 17, 1937. Serial No. 396,507. PUBLISHED JANUARY 11, 1938. Class 38.

358,053. OLIVE OIL. R. H. MACY & CO., INC., New York, N. Y.
Filed September 9, 1937. Serial No. 397,262. PUBLISHED APRIL 19, 1938. Class 46.

358,054. GUMMED PAPER LABELS, STICKERS, STAMPS, AND ORNAMENTAL SEALS. JAMES W. MALLY, doing business as James W. Mally Co., Cleveland, Ohio.
Filed September 14, 1937. Serial No. 397,410. PUBLISHED APRIL 19, 1938. Class 37.

358,055. MECHANICALLY PROPELLED HYDRANT LAWN SPRINKLERS. HENRY NOËL DILLON FUGE, Beverly Hills, Calif.
Filed September 17, 1937. Serial No. 397,507. PUBLISHED APRIL 19, 1938. Class 23.

358,056. RESINOUS, ORGANIC, POLYBASIC ACID INTERMEDIATE FOR MAKING SYNTHETIC RESINS. HERCULES POWDER COMPANY, Wilmington, Del.
Filed September 18, 1937. Serial No. 397,537. PUBLISHED FEBRUARY 22, 1938. Class 6.

358,057. WOMEN'S HANDBAGS CONTAINING PERFUME AND COSMETIC ARTICLES. LENTHERIC, INCORPORATED, New York, N. Y., assignor to Pulp Products Company, Incorporated, New York, N. Y., a corporation of Delaware.
Filed September 23, 1937. Serial No. 397,714. PUBLISHED NOVEMBER 23, 1937. Class 3.

358,058. TREE SAVER, A PREPARATION TO BE USED TO SAFEGUARD TREES AGAINST INSECTS. GOULARD & OLENA, INCORPORATED, New York, N. Y.
Filed September 28, 1937. Serial No. 398,073. PUBLISHED APRIL 19, 1938. Class 6.

358,059. SUDLESS CLEANING POWDER, CLOTHES WASHING COMPOUND. DAVID WRÓBLEWSKI, doing business as D. Wróblewski and Company, Brooklyn, N. Y.
Filed October 6, 1937. Serial No. 398,225. PUBLISHED APRIL 19, 1938. Class 4.

358,060. BULK AND PACKAGED POPCORN IN BOTH ITS NATURAL AND THERMALLY EXPANDED STATES. JOE F. JOHNSON, doing business as Joe F. Johnson Popcorn Co., Columbus, Ohio.
Filed October 8, 1937. Serial No. 398,283. PUBLISHED APRIL 19, 1938. Class 46.

358,061. LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, CREAMS FOR THE HANDS AND FACE, PREPARATIONS FOR SKIN, HAIR, AND FINGER NAILS, AND PERFUMES. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill.
Filed October 18, 1937. Serial No. 398,603. PUBLISHED JANUARY 4, 1938. Class 6.

358,062. MEDICINE FOR DISEASES OF THE LUNG. CARL BÜHLER, Constance, Germany.
Filed October 20, 1937. Serial No. 398,705. PUBLISHED APRIL 19, 1938. Class 6.

358,063. TOILET KITS, SUCH KITS CONTAINING A MIRROR, TOILET TISSUES, AND A NUMBER OF PREPARATIONS FOR THE TREATMENT OF THE SKIN, SAID TOILET KITS BEING SOLD AS AN ENTIRETY. RICHARD HUDNUT, INC., New York, N. Y.
Filed October 20, 1937. Serial No. 398,726. PUBLISHED FEBRUARY 15, 1938. Class 50.

358,064. LIPSTICKS, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, CREAMS FOR THE HANDS AND FACE, PREPARATIONS FOR SKIN, HAIR, AND FINGER NAILS, CLEANSING PADS IMPREGNATED WITH LOTION, AND PERFUMES. JAMES L. YOUNGHUSBAND, Chicago, Ill.
Filed October 25, 1937. Serial No. 398,953. PUBLISHED APRIL 19, 1938. Class 6.

358,065. MEN'S AND BOYS' SUITS, OVERCOATS, COATS, JACKETS, TROUSERS, AND SLACKS. SAMUEL SPITZ & SONS, INC., New York, N. Y.
Filed October 27, 1937. Serial No. 399,016. PUBLISHED JANUARY 4, 1938. Class 39.

358,066. PRESERVED FRUITS, PRESERVED BERRIES, AND PRESERVED TOMATOES. RICHARD D. Mitchell, doing business as Mitchell Syrup & Preserving Co., Detroit, Mich.
Filed October 28, 1937. Serial No. 399,066. PUBLISHED APRIL 12, 1938. Class 46.

358,067. FOOD SUPPLEMENT OR FOOD INGREDIENT RICH IN MINERALS AND VITAMINS, ADAPTED FOR NUTRITIONAL FORTIFICATION OF FOODS AND FOR THE PREVENTION OF DIETARY DEFICIENCY DISEASES, FOR HUMAN AND ANIMAL CONSUMPTION. CHAPPEL BROS., INC., Rockford, Ill.
Filed November 6, 1937. Serial No. 399,397. PUBLISHED APRIL 19, 1938. Class 46.

358,068. AFTER SHAVING LOTIONS, FACE LOTION, FACE POWDERS, CLEANSING CREAM, TISSUE CREAM, FACIAL CREAM, FOUNDATION CREAM, AND MEDICATED SKIN CREAM. EMIL JOHN KASTNER, Indianapolis, Ind.
Filed November 10, 1937. Serial No. 399,563. PUBLISHED APRIL 5, 1938. Class 6.

358,069. RADIO FREQUENCY AND AUDIO FREQUENCY TRANSMITTING AND RECEIVING APPARATUS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed November 13, 1937. Serial No. 399,740. PUBLISHED APRIL 19, 1938. Class 21.

358,070. MEDICINE FOR USE IN THE TREATMENT OF GONORRHEA, WEAK KIDNEYS, IMPURE BLOOD, INWARD HEMORRHAGE, AND FALLING OF THE WOMB. JULIUS C. GRUBB, High Point, N. C.
Filed November 17, 1937. Serial No. 399,835. PUBLISHED APRIL 19, 1938. Class 6.

358,071. MEDICATED MINERAL MIX CONTAINING YEAST FOR STOCK FEED, POULTRY FEED, AND DOG FOOD. 4-5-6 Company, Highland, Ill.
Filed November 18, 1937. Serial No. 399,886. PUBLISHED APRIL 5, 1938. Class 6.

358,072. PREPARATION FOR TREATING FINGER NAILS, NAIL CREAM, NAIL POLISH, NAIL LACQUER, NAIL WHITENER, NAIL POLISH REMOVER, AND CUTICLE REMOVER. SUNBEAM LABORATORIES, Los Angeles, Calif.
Filed November 23, 1937. Serial No. 400,071. PUBLISHED APRIL 19, 1938. Class 6.

358,073. LIVING ROOM FURNITURE, DINING ROOM FURNITURE, BEDROOM FURNITURE, CHAIRS, TABLES, DESKS, ALL TYPES OF NOVELTY FURNITURE, METAL AND WOOD BEDS, SPRINGS, BOX SPRINGS, MATTRESSES, PILLOWS, STUDIO LOUNGES. PEOPLES' OUTFITTING COMPANY, Detroit, Mich.
Filed November 29, 1937. Serial No. 400,248. PUBLISHED MARCH 22, 1938. Class 32.

358,074. COD LIVER OIL AND TABLETS CONTAINING EXTRACT OF COD LIVER OIL. McCOY'S PRODUCTS, INC., New York, N. Y.
Filed December 3, 1937. Serial No. 400,424. PUBLISHED APRIL 19, 1938. Class 6.

358,075. SOUND PRODUCING TOY. ZINO ZONG CO., INC., Richmond, Va.
Filed December 6, 1937. Serial No. 400,548. PUBLISHED APRIL 19, 1938. Class 22.

358,076. PHARMACEUTICAL PREPARATION HAVING TONIC PROPERTIES FOR USE IN THE TREATMENT OF DEBILITY, LASSITUDE, NERVOUS EXHAUSTION, AND THE DEVELOPMENT OF GLANDS OF INTERNAL SECRETION. NICOLAS DE KOUZNETZOFF, Paris, France.
Filed December 9, 1937. Serial No. 400,634. PUBLISHED APRIL 19, 1938. Class 6.

358,077. PIECE GOODS OF COTTON, RAYON, SILK, COTTON AND RAYON, LINEN, ALL SILK, RAYON AND SILK, AND OTHER COMBINATIONS. NATIONAL FABRICS CORPORATION, New York, N. Y.
Filed December 9, 1937. Serial No. 400,651. PUBLISHED APRIL 19, 1938. Class 42.

358,078. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF DISEASE. THE KILLIAN MANUFACTURING COMPANY, Akron, Ohio.
Filed December 14, 1937. Serial No. 400,842. PUBLISHED APRIL 19, 1938. Class 44.

358,079. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. SHULTON, INC., New York, N. Y.
Filed December 16, 1937. Serial No. 400,935. PUBLISHED APRIL 19, 1938. Class 6.

358,080. BOILER FITTINGS. ALVA GUY BLANCHARD, doing business as Inferno Company, Shreveport, La.
Filed December 17, 1937. Serial No. 400,944. PUBLISHED APRIL 19, 1938. Class 13.

358,081. STEEL WIRE RODS AND STEEL WIRE. WICKWIRE SPENCER STEEL COMPANY, New York, N. Y.
Filed December 18, 1937. Serial No. 401,037. PUBLISHED APRIL 12, 1938. Class 14.

358,082. FLOOR RUGS AND MATS IN THE NATURE OF TEXTILE PILE FABRICS COMPOSED OF MOHAIR, COTTON, AND JUTE. EDWIN FIELD & SONS, LIMITED, Skelmanthorpe, England.
Filed December 20, 1937. Serial No. 401,054. PUBLISHED APRIL 19, 1938. Class 42.

358,083. FLOOR RUGS AND MATS IN THE NATURE OF TEXTILE PILE FABRICS COMPOSED OF MOHAIR, COTTON, AND JUTE. EDWIN FIELD & SONS, LIMITED, Skelmanthorpe, England.
Filed December 20, 1937. Serial No. 401,055. PUBLISHED APRIL 19, 1938. Class 42.

358,084. PREPARED READY-TO-SERVE CANNED SOUPS. AIME L. DUHAIME, doing business as A. L. Duhaime Soup Co., Bedford, N. H.
Filed December 21, 1937. Serial No. 401,106. PUBLISHED APRIL 19, 1938. Class 46.

358,085. HOUSEHOLD AND INDUSTRIAL CLEANER OR SOLVENT FOR KITCHEN UTENSILS, DISHES, SILVERWARE, GLASSWARE, ETC. J. J. HARPEL, doing business as Zefer Manufacturing Company, Denver, Colo.
Filed December 21, 1937. Serial No. 401,113. PUBLISHED APRIL 19, 1938. Class 4.

358,086. HEATING APPARATUS—NAMELY, STOVES FOR COOKING AND STOVES FOR HEATING WATER, USING SOLID FUEL, AND PARTS THEREOF. AGA STOVE COMPANY, Elizabeth, N. J.
Filed December 22, 1937. Serial No. 401,128. PUBLISHED APRIL 19, 1938. Class 34.

358,087. COMPOSITION FOR USE AS A FLOOR CLEANER. SCHALK CHEMICAL COMPANY, Los Angeles, Calif.
Filed December 27, 1937. Serial No. 401,277. PUBLISHED APRIL 19, 1938. Class 4.

358,088. PISTON RINGS AND PISTON RING EXPANDERS. RAMSEY ACCESSORIES MANUFACTURING CORPORATION, St. Louis, Mo.
Filed December 30, 1937. Serial No. 401,400. PUBLISHED APRIL 19, 1938. Class 35.

358,089. COMPOSITION FOR THE TREATMENT OF COAL TO PREVENT DUSTING AND IMPROVE ITS CHARACTERISTICS. THE CONEWANGO REFINING COMPANY, Warren, Pa.
Filed January 3, 1938. Serial No. 401,471. PUBLISHED APRIL 19, 1938. Class 6.

358,090. VARNISH SEALER FOR PLYWOOD. A. C. HORN COMPANY, Long Island City, N. Y.
Filed January 3, 1938. Serial No. 401,488. PUBLISHED APRIL 19, 1938. Class 16.

358,091. SLIDE-OPERATED FASTENERS. THE G. E. PRENTICE MANUFACTURING COMPANY, Berlin, Conn.
Filed January 3, 1938. Serial No. 401,507. PUBLISHED APRIL 19, 1938. Class 13.

358,092. FERROUS AND NON-FERROUS METAL RODS AND WIRE FOR METAL SPRAYING. METALLIZING ENGINEERING COMPANY, INC., New York, N. Y.
Filed January 4, 1938. Serial No. 401,535. PUBLISHED APRIL 19, 1938. Class 14.

358,093. CINEMATOGRAPHIC PICTURES, PHOTOGRAPHIC FILMS, COLOR FILMS, AND MOTION PICTURE FILM STRIPS. IVAN MELVILLE TERWILLIGER, Altadena, Calif.
Filed January 4, 1938. Serial No. 401,537. PUBLISHED APRIL 19, 1938. Class 26.

358,094. GLASS LETTER SIGNS. GARDEN CITY PLATING & MFG. CO., INC., Chicago, Ill.
Filed January 6, 1938. Serial No. 401,607. PUBLISHED APRIL 19, 1938. Class 50.

358,095. LIPSTICKS. W. E. HAUSHEER, doing business as The Tecor Co., Chicago, Ill.
Filed January 6, 1938. Serial No. 401,610. PUBLISHED APRIL 5, 1938. Class 6.

358,096. ANALGESIC, ANTI-RHEUMATIC, AND ANTI-NEURALGIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed January 6, 1938. Serial No. 401,621. PUBLISHED APRIL 5, 1938. Class 6.

358,097. GLASS REFRIGERATOR DISHES AND JARS WHICH MAY BE USED FOR COOKING OR TABLEWARE, OR FOR SIMILAR PURPOSES. BORG-WARNER CORPORATION, Detroit, Mich.
Filed January 7, 1938. Serial No. 401,646. PUBLISHED APRIL 19, 1938. Class 33.

358,098. TRUCK LANTERNS BURNING LIQUID FUEL. EMBURY MANUFACTURING COMPANY, Warsaw, N. Y.
Filed January 7, 1938. Serial No. 401,655. PUBLISHED APRIL 19, 1938. Class 34.

358,099. CHEMICAL SOLUTION USED IN PHOTOGRAPHIC DEVELOPING AND PRINTING OF PHOTOGRAPHIC MATERIALS. MAX FACTOR & CO. INC., Los Angeles, Calif.
Filed January 10, 1938. Serial No. 401,729. PUBLISHED APRIL 5, 1938. Class 6.

358,100. TOILET WATER AND PERFUME. MARTIN DE BOTELHO, New York, N. Y.
Filed January 11, 1938. Serial No. 401,771. PUBLISHED APRIL 5, 1938. Class 6.

358,101. GARDENIA PLANTS, ROOTED GARDENIA CUTTINGS, GARDENIA SCIONS, AND CUT GARDENIA BLOOMS. CARLETON T. LUM, INC., Chatham, N. J.
Filed January 11, 1938. Serial No. 401,783. PUBLISHED APRIL 19, 1938. Class 1.



358,102. NONMETALLIC WELDING COMPOSITIONS. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y.
Filed January 12, 1938. Serial No. 401,825. PUBLISHED APRIL 5, 1938. Class 6.

358,103. HAMS. THE HENRY MUHS COMPANY, Passaic, N. J.
Filed January 12, 1938. Serial No. 401,834. PUBLISHED APRIL 19, 1938. Class 46.

358,104. AIRCRAFT PROPELLERS, PARTS, AND ATTACHMENTS THEREFOR. UNITED AIRCRAFT CORPORATION, East Hartford, Conn.
Filed January 12, 1938. Serial No. 401,838. PUBLISHED APRIL 19, 1938. Class 19.

358,105. NITRATE OF AMMONIA COMPOUNDS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed January 13, 1938. Serial No. 401,852. PUBLISHED APRIL 5, 1938. Class 6.

358,106. DIURETIC STIMULANT. FRIENDLY LABORATORIES, Shawnee, Okla.
Filed January 15, 1938. Serial No. 401,931. PUBLISHED APRIL 5, 1938. Class 6.

358,107. FIRE RESISTING PAINT IN READY MIXED, PASTE, AND POWDER FORM. WM. E. HOOPER & SONS COMPANY, Baltimore, Md.
Filed January 15, 1938. Serial No. 401,933. PUBLISHED APRIL 5, 1938. Class 16.

358,108. FACE POWDER COMPACTS, ROUGE COMPACTS, AND COMBINATIONS THEREOF. PARFUMS CHEVALIER GARDE, INC., New York, N. Y.
Filed January 15, 1938. Serial No. 401,943. PUBLISHED APRIL 19, 1938. Class 6.

358,109. MEDICINAL JELLY FOR EXTERNAL TREATMENT OF BURNS. ABBOTT LABORATORIES, North Chicago, Ill.
Filed January 17, 1938. Serial No. 401,966. PUBLISHED APRIL 5, 1938. Class 6.

358,110. ANODYNE AND SCLEROSING SOLUTION. ABBOTT LABORATORIES, North Chicago, Ill.
Filed January 17, 1938. Serial No. 401,967. PUBLISHED APRIL 5, 1938. Class 6.

358,111. RECONDITIONER FOR HAIR AND SCALP. EQUALIFE LABORATORIES, Los Angeles, Calif.
Filed January 17, 1938. Serial No. 401,994. PUBLISHED APRIL 5, 1938. Class 6.

358,112. CASES AND CONTAINERS FOR HEARING-AID BATTERIES, THE CASES AS USED BEING WORN, OR CARRIED, UPON THE PERSON. LEWPAT MFG. CO., Springfield, Mass.
Filed January 17, 1938. Serial No. 402,008. PUBLISHED APRIL 19, 1938. Class 44.

358,113. MINERAL WATER. LINCOLN PARK NATURAL SPRINGS CORPORATION, Paterson, N. J.
Filed January 17, 1938. Serial No. 402,009. PUBLISHED APRIL 19, 1938. Class 45.

358,114. ANTI-FREEZE COMPOUND. ASTRO CHEMICAL COMPANY, San Antonio, Tex.
Filed January 18, 1938. Serial No. 402,054. PUBLISHED APRIL 5, 1938. Class 6.

358,115. ELECTRICAL EQUIPMENT FOR THE CONTROL AND OPERATION OF SIGNALS AND SWITCHES ON RAILROADS, AND PARTS THEREOF. GENERAL RAILWAY SIGNAL COMPANY, Rochester, N. Y.
Filed January 18, 1938. Serial No. 402,061. PUBLISHED APRIL 19, 1938. Class 21.

358,116. PREPARATION FOR THE TREATMENT OF HEADACHES AND NEURALGIA. ROBERT HARRIS, Los Angeles, Calif.
Filed January 18, 1938. Serial No. 402,063. PUBLISHED APRIL 5, 1938. Class 6.

358,117. COSMETICS AND BEAUTY SHOP SUPPLIES—NAMELY, POMADES, CREAMS, POWDER, SHAMPOO, LOTION, PERFUME, HAIR DYE, ROUGES, LIPSTICKS, EYE-SHADOW, DEPILATORIES, PERMANENT WAVE OIL, HAIR CURLING POWDERS AND FLUIDS, FACIAL CLAYS, ASTRINGENTS, AND MUSCLE OIL. ALICE W. KOKEN, executrix of the estate of Walter F. Koken, deceased, St. Louis, Mo.
Filed January 18, 1938. Serial No. 402,066. PUBLISHED APRIL 5, 1938. Class 6.

358,118. PREPARATION USED IN TANNING. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y.
Filed January 18, 1938. Serial No. 402,068. PUBLISHED APRIL 12, 1938. Class 6.

358,119. PREPARATIONS HAVING ANESTHETIC QUALITIES. RARE CHEMICALS, INC., Nepera Park, N. Y.
Filed January 19, 1938. Serial No. 402,101. PUBLISHED APRIL 19, 1938. Class 6.

358,120. WINES. B., M. & J. STRAUSS LTD., London, England.
Filed January 19, 1938. Serial No. 402,104. PUBLISHED APRIL 19, 1938. Class 47.

358,121. BABY CREAM AND CLEANSING CREAM. CLEANTHE E. LOGOTHETON, doing business as the Eustace Company, New York, N. Y.
Filed January 20, 1938. Serial No. 402,130. PUBLISHED APRIL 12, 1938. Class 6.

358,122. CHEMICALS USED FOR AFTER-TREATMENT OF DYED MATERIALS FOR ENHANCING THEIR FASTNESS. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed January 21, 1938. Serial No. 402,167. PUBLISHED APRIL 12, 1938. Class 6.

358,123. DYES. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed January 21, 1938. Serial No. 402,168. PUBLISHED APRIL 5, 1938. Class 6.

358,124. DYESTUFFS, LAKES, AND CHEMICAL PRODUCTS SUITABLE FOR DYEING AND PRINTING PURPOSES. GEIGY COMPANY, INC., New York, N. Y.
Filed January 21, 1938. Serial No. 402,181. PUBLISHED APRIL 12, 1938. Class 6.

358,125. TANNING MATERIALS AND CHEMICAL PRODUCTS SUITABLE FOR TANNING PURPOSES. GEIGY COMPANY, INC., New York, N. Y.
Filed January 21, 1938. Serial No. 402,182. PUBLISHED APRIL 12, 1938. Class 6.

358,126. BEES. THE WALTER T. KELLEY CO., Paducah, Ky.
Filed January 22, 1938. Serial No. 402,225. PUBLISHED APRIL 19, 1938. Class 1.

358,127. MEDICINAL PREPARATION USED AS A LAXATIVE. LIQUI-LAX CO., Baltimore, Md.
Filed January 22, 1938. Serial No. 402,229. PUBLISHED APRIL 5, 1938. Class 6.

358,128. BRILLIANTINE, PETROLEUM JELLY USED AS OIL TREATMENT FOR THE HAIR, DEPILATORY WAX USED AS A HAIR REMOVER, ETC. HARRY AARON, Brooklyn, N. Y.
Filed January 24, 1938. Serial No. 402,242. PUBLISHED APRIL 5, 1938. Class 6.

358,129. BELT LACER PINS. CLIPPER BELT LACER COMPANY, Grand Rapids, Mich.
Filed January 24, 1938. Serial No. 402,250. PUBLISHED APRIL 19, 1938. Class 13.

358,130. PREPARATION FOR THE RELIEF OF ATHLETE'S FOOT, POISON IVY, AND ECZEMA. AARON LARMON HASSELBUSCH, doing business as Hypotox Laboratories, College Hill, Cincinnati, Ohio.
Filed January 24, 1938. Serial No. 402,260. PUBLISHED APRIL 12, 1938. Class 6.

358,131. MEDICINAL TONIC TAKEN INTERNALLY WITH WATER TO AID THE FUNCTIONING OF INTERNAL ORGANS, SUCH AS THE STOMACH, INTESTINES, ETC. OTTO J. HOFFMANN, doing business as Bell's Homeopathic Pharmacy, New York, N. Y.
Filed January 24, 1938. Serial No. 402,261. PUBLISHED APRIL 19, 1938. Class 6.

358,132. CIGARETTE VENDING OR DISPENSING MACHINES. AUTOSMOKER CORPORATION OF AMERICA, New York, N. Y.
Filed January 26, 1938. Serial No. 402,325. PUBLISHED APRIL 19, 1938. Class 23.

358,133. TALLOEL, SOMETIMES KNOWN AS TALL OIL. THE CHAMPION PAPER AND FIBRE COMPANY, Canton, N. C.
Filed January 26, 1936. Serial No. 402,328. PUBLISHED APRIL 5, 1938. Class 6.

358,134. PERFUME. KATHLEEN MARY QUINLAN, INC., New York, N. Y.
Filed January 26, 1938. Serial No. 402,344. PUBLISHED APRIL 5, 1938. Class 6.

358,135. SEDATIVE AND HYPNOTIC MEDICINE. UNITED DRUG COMPANY, Boston, Mass.
Filed January 26, 1938. Serial No. 402,353. PUBLISHED APRIL 5, 1938. Class 6.

358,136. RUM. COMPANIA AGRICOLA CARABAYLLO, Lima, Peru.
Filed January 27, 1938. Serial No. 402,358. PUBLISHED APRIL 19, 1938. Class 49.

358,137. RAZORS AND RAZOR BLADES. AMERICAN MERCHANDISE COMPANY, INC., New York, N. Y.
Filed January 27, 1938. Serial No. 402,359. PUBLISHED APRIL 19, 1938. Class 23.

358,138. EXPECTORANT. GREEN CROSS PHARMACEUTICAL PRODUCTS, INC., New York, N. Y.
Filed January 27, 1938. Serial No. 402,374. PUBLISHED APRIL 5, 1938. Class 6.

358,139. TABLETS FOR THE RELIEF OF PERIODIC PAIN, MUSCULAR ACHES AND PAINS, AND HEADACHES. MEDICAL PRODUCTS CO., also doing business as Mother Marie's Medicine Co., Los Angeles, Calif.
Filed January 27, 1938. Serial No. 402,382. PUBLISHED APRIL 5, 1938. Class 6.

358,140. TABLET FOR STOMACH GAS, HEARTBURN, ACID INDIGESTION, IRRITATED AND UPSET STOMACH, NAUSEA, AND OVER EATING AND DRINKING. FRANK A. YOUNG, Shamokin, Pa.
Filed January 27, 1938. Serial No. 402,392. PUBLISHED APRIL 5, 1938. Class 6.

358,141. PREPARATION FOR RELIEF OF ATHLETE'S FOOT. EVERETT W. BUCK, JR., doing business as Buck & Buck Company, Tulsa, Okla.
Filed January 28, 1938. Serial No. 402,411. PUBLISHED APRIL 5, 1938. Class 6.

358,142. PAINTS (READY MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, LACQUERS, JAPANS, VARNISHES, STAINS, PAINT FILLERS, KALSOMINE, WATER PAINTS, WHITE LEAD, DRY PAINT COLORS, AND PAINT PIGMENTS. THE MARTIN-SENOUR CO., Cleveland, Ohio.
Filed January 28, 1938. Serial No. 402,429. PUBLISHED APRIL 19, 1938. Class 16.

358,143. RAZOR BLADES. BERG SALES CO., Chicago, Ill.
Filed January 29, 1938. Serial No. 402,464. PUBLISHED APRIL 19, 1938. Class 23.

358,144. ALUMINUM COOKING UTENSILS—NAMELY, TEAKETTLES, ROASTERS, COFFEE POTS, SKILLETS, SAUCE PANS, PLATTERS, GRIDDLES, AND DUTCH OVENS. THE GRISWOLD MANUFACTURING COMPANY, Erie, Pa.
Filed January 29, 1938. Serial No. 402,474. PUBLISHED APRIL 19, 1938. Class 13.

358,145. ANTISEPTIC AND DEODORANT COMPOUND FOR RELIEVING CONGESTION AND DELAYED MENSTRUATION DUE TO EXPOSURE, COLDS, AND OTHER IRREGULARITIES, AND FOR ALLAYING PAIN INCIDENTAL THERETO. CHARLES L. LUNTZ, doing business as Secret Products Company, Los Angeles, Calif.
Filed January 29, 1938. Serial No. 402,481. PUBLISHED APRIL 12, 1938. Class 6.

358,146. SHEET METAL BOXES OR CONTAINERS USED BY THE ELECTRICAL TRADE FOR INDOOR AND/OR OUTDOOR USE, ETC. WALKER ELECTRICAL COMPANY, Atlanta, Ga.
Filed January 31, 1938. Serial No. 402,545. PUBLISHED APRIL 19, 1938. Class 21.

358,147. BOTTLED GAS. CONSUMERS UTILITIES COMPANY, Winchester, Va.
Filed February 1, 1938. Serial No. 402,557. PUBLISHED APRIL 19, 1938. Class 6.

358,148. SOLUTION OF CHLOROMERCURIFURAN USEFUL AS A GERMICIDE AND ANTISEPTIC. G. D. SEARLE & CO., Chicago, Ill.
Filed February 1, 1938. Serial No. 402,573. PUBLISHED APRIL 5, 1938. Class 6.

358,149. LOTION FOR MEDICINAL USES FOR APPLICATION TO THE SKIN FOR RELIEF OF CERTAIN SKIN AFFECTIONS, SUCH AS ATHLETE FOOT, RINGWORM, IMPETIGO, AND PIMPLES. FREDERICK A. FRAZIER, Berkeley, Calif.
Filed January 31, 1938. Serial No. 402,582. PUBLISHED APRIL 19, 1938. Class 6.

358,150. PREPARATION FOR TREATMENT OF COLDS, ASTHMA, HAY FEVER, SINUS AFFECTIONS, ALSO EAR AND THROAT AFFECTIONS. THE ELECTRO-INHALER CO., INC., Washington, D. C.
Filed February 4, 1938. Serial No. 402,702. PUBLISHED APRIL 12, 1938. Class 6.

358,151. GENERAL HEALTH TONIC IN TABLET FORM. JOSEPH BREYER, doing business as Feroyse Company, New York, N. Y.
Filed February 5, 1938. Serial No. 402,709. PUBLISHED APRIL 5, 1938. Class 6.

358,152. FUR SKINS, HIDES, AND PELTS. FOUKE FUR COMPANY, St. Louis, Mo.
Filed February 5, 1938. Serial No. 402,722. PUBLISHED APRIL 19, 1938. Class 1.

358,153. NON-EXPLOSIVE AND NON-BURNING SIZING AND DRESSING FLUID, FOR USE ON FABRICS. WILLIAM M. OUTON, doing business as Cell-O-Flex Co., Chicago, Ill.
Filed February 7, 1938. Serial No. 402,788. PUBLISHED APRIL 19, 1938. Class 6.

358,154. NASAL SPRAY. GRIFFIN-GARY COMPANY, Bakersfield, Calif.
Filed February 8, 1938. Serial No. 402,816. PUBLISHED APRIL 19, 1938. Class 6.

358,155. AUGER BITS. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio.
Filed February 9, 1938. Serial No. 402,864. PUBLISHED APRIL 19, 1938. Class 23.

358,156. GENERAL HOUSEHOLD CLEANING PASTE. THE NELLIE-LOU CORPORATION, Norwalk, Conn.
Filed February 9, 1938. Serial No. 402,865. PUBLISHED APRIL 19, 1938. Class 4.

358,157. PREPARATION FOR AN ANTIGEN (PARENTERAL ALTERATIVE). SPICER AND COMPANY, Glendale, Calif.
Filed February 9, 1938. Serial No. 402,874. PUBLISHED APRIL 5, 1938. Class 6.

358,158. COTTON, RAYON, ACETATE, AND SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed February 10, 1938. Serial No. 402,892. PUBLISHED APRIL 19, 1938. Class 42.



358,159. WEIGHING SCALES. TOLEDO SCALE MANUFACTURING COMPANY, Toledo, Ohio.
Filed February 14, 1938. Serial No. 403,025. PUBLISHED APRIL 19, 1938. Class 26.

358,160. PAINT COLORS AND DRY ENAMELS USED IN THE CERAMIC INDUSTRIES, OIL PAINTS AND INGREDIENTS THEREFOR. B. F. DRAKENFELD & CO. INC., New York, N. Y.
Filed February 16, 1938. Serial No. 403,077. PUBLISHED APRIL 19, 1938. Class 16.

358,161. BRAKES AND PARTS THEREOF FOR INDUSTRIAL MACHINERY. EMPIRE ELECTRIC BRAKE CORPORATION, Dover, Del.
Filed February 16, 1938. Serial No. 403,080. PUBLISHED APRIL 19, 1938. Class 23.

358,162. ELECTRIC WAFFLE IRONS. MANNING, BOWMAN & Co., Meriden, Conn.
Filed February 16, 1938. Serial No. 403,089. PUBLISHED APRIL 19, 1938. Class 21.

358,163. MEDICINAL PREPARATION INTENDED FOR INTRAVENOUS AND INTRAMUSCULAR QUININE-CALCIUM THERAPY IN ACUTE INFECTIONS SUCH AS PNEUMONIA, ETC. SANDOZ CHEMICAL WORKS, INC., New York, N. Y.
Filed February 16, 1938. Serial No. 403,093. PUBLISHED APRIL 5, 1938. Class 6.

358,164. DENTAL APPARATUS, DENTAL INSTRUMENTS AND PARTS THEREOF, PARTICULARLY FOR PAINLESS DRILLING OF THE TEETH. WAROPA A. G. (S. A. WAROPA), Basel, Switzerland.
Filed February 16, 1938. Serial No. 403,106. PUBLISHED APRIL 19, 1938. Class 44.

358,165. TOILET AND TALCUM POWDERS, ANTISEPTIC POWDER, LIQUID SKIN LOTION, CREAM SKIN LOTION, AND ANTISEPTIC OIL FOR THE PROTECTION OF THE SKIN. THE MENNEN COMPANY, Newark, N. J.
Filed February 17, 1938. Serial No. 403,139. PUBLISHED APRIL 19, 1938. Class 6.

358,166. WATER SOFTENER IN POWDER AND TABLET FORM, AND BATH SALTS. THE PHOSPHATE MINING COMPANY, New York, N. Y.
Filed February 17, 1938. Serial No. 403,147. PUBLISHED APRIL 12, 1938. Class 6.

358,167. BOOK RACKS. ALLIED MANUFACTURERS, INC., Ypsilanti, Mich.
Filed February 18, 1938. Serial No. 403,158. PUBLISHED APRIL 19, 1938. Class 32.

358,168. PREPARED COCOA. DURKEE-MOWER, INC., Lynn, Mass.
Filed February 18, 1938. Serial No. 403,172. PUBLISHED APRIL 19, 1938. Class 46.

358,169. TWIST DRILLS, REAMERS, MILLING CUTTERS, AND OTHER METAL CUTTING TOOLS. UNITED DRILL AND TOOL CORPORATION, Chicago, Ill.
Filed February 18, 1938. Serial No. 403,185. PUBLISHED APRIL 19, 1938. Class 23.

358,170. NON-ALCOHOLIC SODA BEVERAGE. ANDREW EDMUND FLADUNG, doing business as Fladung Bottling Works, Reading, Ohio.
Filed February 19, 1938. Serial No. 403,202. PUBLISHED APRIL 19, 1938. Class 45.

358,171. RAZOR BLADES. MAX HERMAN, doing business as Westex Blade Company, and Herman's Supply House, Fort Worth, Tex.
Filed February 19, 1938. Serial No. 403,208. PUBLISHED APRIL 19, 1938. Class 23.

358,172. AMMONIA. C. M. KIMBALL CO., Everett, Mass.
Filed February 19, 1938. Serial No. 403,211. PUBLISHED APRIL 19, 1938. Class 6.

358,173. PERFUMES AND PERFUME MATERIALS. ALBERT VERLEY, INC., Chicago, Ill.
Filed February 19, 1938. Serial No. 403,227. PUBLISHED APRIL 5, 1938. Class 6.

358,174. MEDICINAL OINTMENT FOR USE IN THE TREATMENT OF BURNS, INFECTED WOUNDS, SKIN ABRASIONS, FROST BITE, AND OTHER SKIN CONDITIONS. AYERST, MCKENNA & HARRISON, LIMITED, Montreal, Quebec, Canada.
Filed February 23, 1938. Serial No. 403,296. PUBLISHED APRIL 19, 1938. Class 6.

358,175. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 23, 1938. Serial No. 403,305. PUBLISHED APRIL 19, 1938. Class 42.

358,176. FRESH FRUITS—NAMELY, FRESH GRAPES. NATOMAS FRUIT COMPANY, Exeter, Calif.
Filed February 23, 1938. Serial No. 403,321. PUBLISHED APRIL 19, 1938. Class 46.

358,177. VARNISHES, PAINT ENAMELS; DRY, READY-MIXED, AND PASTE PAINTS; LACQUERS, STAINS, FILLERS, PRIMERS, SURFACERS, PUTTIES, UNDERCOATINGS, DRYERS, THINNERS, AND REMOVERS. PRATT & LAMBERT-INC., Buffalo, N. Y.
Filed February 23, 1938. Serial No. 403,329. PUBLISHED APRIL 19, 1938. Class 16.

358,178. GINGERALE, CLUB SODA, AND CREAM SODA. RUSSIAN TEA ROOM RESTAURANT, INC., New York, N. Y.
Filed February 23, 1938. Serial No. 403,331. PUBLISHED APRIL 19, 1938. Class 45.

358,179. READY MIXED PAINTS AND ENAMELS, PAINT COLORS, VARNISHES, LACQUERS, THINNERS FOR PAINTS AND ENAMELS, PAINT-LIKE COMPOSITIONS FOR LACQUERING AND ENAMELING, AND THINNERS THEREFOR. ATLAS POWDER COMPANY, Wilmington, Del.
Filed February 24, 1938. Serial No. 403,354. PUBLISHED APRIL 19, 1938. Class 16.

358,180. CEVITAMIC ASCORBIC ACID. MYRON L. WALKER, Mount Vernon, N. Y.
Filed February 24, 1938. Serial No. 403,379. PUBLISHED APRIL 19, 1938. Class 6.

358,181. SYNTHETIC THIAMIN CHLORIDE IN AN AQUEOUS SOLUTION. MYRON L. WALKER, Mount Vernon, N. Y.
Filed February 24, 1938. Serial No. 403,380. PUBLISHED APRIL 19, 1938. Class 6.

358,182. ELASTIC SUPPORTS FOR TYPEWRITER ERASERS. WELDON ROBERTS RUBBER CO., Newark, N. J.
Filed February 24, 1938. Serial No. 403,382. PUBLISHED APRIL 19, 1938. Class 37.

358,183. SANITARY NAPKINS. W. T. GRANT COMPANY, New York, N. Y.
Filed February 25, 1938. Serial No. 403,411. PUBLISHED APRIL 19, 1938. Class 44.

358,184. SMOKING TOBACCO, CHEWING TOBACCO, AND CIGARETTES. RICHARD R. TOBIN, doing business as R. R. Tobin Tobacco Co., Detroit, Mich.
Filed February 25, 1938. Serial No. 403,431. PUBLISHED APRIL 19, 1938. Class 17.

358,185. NOVELTY TOY DOLL. MEYER JULIUS HACKMAN, doing business as Jock-O-Company, Chicago, Ill.
Filed February 26, 1938. Serial No. 403,460. PUBLISHED APRIL 19, 1938. Class 22.

358,186. CURTAINS, CURTAIN MATERIALS, AND LACE TABLE COVERS. THE SCRANTON LACE COMPANY, Scranton, Pa.
Filed February 26, 1938. Serial No. 403,470. PUBLISHED APRIL 19, 1938. Class 42.

358,187. COAL TAR COLORS. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed February 26, 1938. Serial No. 403,474. PUBLISHED APRIL 19, 1938. Class 6.

358,188. CHEMICAL PRODUCTS FOR USE AS AUXILIARY AGENTS IN THE TEXTILE INDUSTRY—NAMELY, SOLUBILIZING, LEVELING, EMULSIFYING, WETTING, SOFTENING, AGENTS, AGENTS TO FIX DYESTUFFS IN DYEING AND PRINTING. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed February 26, 1938. Serial No. 403,475. PUBLISHED APRIL 19, 1938. Class 6.

358,189. GLUES, ADHESIVES, AND BINDING AGENTS, COMPOSED PRINCIPALLY OF SYNTHETIC RESINS SOLD IN SOLID, LIQUID, OR POWDER FORM FOR INDUSTRIAL PURPOSES. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed February 26, 1938. Serial No. 403,476. PUBLISHED APRIL 19, 1938. Class 5.

358,190. GLUES, ADHESIVES, AND BINDING AGENTS COMPOSED PRINCIPALLY OF SYNTHETIC RESINS SOLD IN SOLID, LIQUID, OR POWDER FORM FOR INDUSTRIAL PURPOSES. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed February 26, 1938. Serial No. 403,478. PUBLISHED APRIL 19, 1938. Class 5.

358,191. HAND-STAMPS. HILL-INDEPENDENT MFG. CO., Philadelphia, Pa.
Filed February 28, 1938. Serial No. 403,499. PUBLISHED APRIL 19, 1938. Class 37.

358,192. HAND-STAMPS. HILL-INDEPENDENT MFG. CO., Philadelphia, Pa.
Filed February 28, 1938. Serial No. 403,505. PUBLISHED APRIL 19, 1938. Class 37.

358,193. SHEETS, PILLOW CASES, AND BEDDING. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Denver, Colo.; St. Louis, Mo.; and Los Angeles, Calif.
Filed March 1, 1938. Serial No. 403,553. PUBLISHED APRIL 19, 1938. Class 42.

358,194. MEDICINAL TABLET FOR RELIEVING THE DISCOMFORTS OF COLDS, HEADACHES, AND MUSCULAR PAIN. UNITED DRUG COMPANY, Boston, Mass.
Filed March 1, 1938. Serial No. 403,570. PUBLISHED APRIL 12, 1938. Class 6.

358,195. SYPHON EVACUATORS FOR USE IN SURGICAL AND SIMILAR OPERATIONS. THE BURROWS COMPANY, Chicago, Ill.
Filed March 2, 1938. Serial No. 403,578. PUBLISHED APRIL 19, 1938. Class 44.

358,196. DENTAL AMALGAM. CRESCENT DENTAL MFG. CO., Chicago, Ill.
Filed March 2, 1938. Serial No. 403,583. PUBLISHED APRIL 19, 1938. Class 44.

358,197. MEDICINAL PREPARATION FOR THE RELIEF OF EPILEPSY. THE RENESOL CORPORATION, New York, N. Y.
Filed March 2, 1938. Serial No. 403,615. PUBLISHED APRIL 19, 1938. Class 6.

358,198. DEODORANTS. JAMES A. HAINES, doing business as Haines Products Company, Carey, Ohio.
Filed March 4, 1938. Serial No. 403,684. PUBLISHED APRIL 19, 1938. Class 6.

358,199. LIQUID PREPARATION CONTAINING IODINE USED FOR MALADIES OF THE CIRCULATION AND NUTRITION. JACQUES LOGEAIS, Issy-les-Moulineaux, France.
Filed March 7, 1938. Serial No. 403,775. PUBLISHED APRIL 19, 1938. Class 6.

358,200. BEER. THE WILLIAM PETER BREWING CORP., Union City, N. J.
Filed March 7, 1938. Serial No. 403,781. PUBLISHED APRIL 19, 1938. Class 48.

358,201. POMADE FOR TREATING WAVY HAIR. LEE DAVIS, doing business as Davis Manufacturing Co., Tampa, Fla.
Filed March 10, 1938. Serial No. 403,910. PUBLISHED APRIL 19, 1938. Class 6.

358,202. JOURNAL BOX LIDS. NATIONAL MALLEABLE AND STEEL CASTINGS COMPANY, Cleveland, Ohio.
Filed March 12, 1938. Serial No. 404,006. PUBLISHED APRIL 19, 1938. Class 14.

358,203. COMPOSITION FOR EXTERNAL APPLICATION FOR EFFECTING REFORMATION OF FLESHY PORTIONS OF THE HUMAN BODY. MELDOL, INCORPORATED, New York, N. Y.
Filed April 19, 1938. Serial No. 405,455. Class 6.

**[ACT OF MARCH 19, 1920, SEC. 1 (b)]**

**THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION**

358,204. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDGAR KLEINHANS, New York, N. Y. Filed Dec. 10, 1936. Serial No. 386,589.

SELECTED TABLE POTATOES

GRADE A BRAND

For Bagged or Boxed Potatoes.
Claims use since April, 1928.

358,205. (CLASS 12. CONSTRUCTION MATERIALS.) FIR-TEX INSULATING BOARD COMPANY, St. Helens, Oreg. Filed Feb. 23, 1937. Serial No. 389,239.

"FIRKOTE"

For Sheathing Board, Insulating Material, and Wall Covering in Panel Formation.
Claims use since Jan. 4, 1937.

358,206. (CLASS 47. WINES.) SCATENA BROS. WINE CO., Healdsburg, Calif. Filed Apr. 5, 1937. Serial No. 390,972.

HEALDSBURGER

For Wines.
Claims use since Jan. 31, 1937.



358,207. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ARONSON-CAPLIN COMPANY, INC., New York, N. Y. Filed Apr. 29, 1937. Serial No. 392,007.

SHADOWEAVE

For Silk, Satin, Rayon, and Cotton Piece Goods.
Claims use since Apr. 1, 1937.

358,208. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOWLETT & HOCKMEYER CO. INC., New York, N. Y. Filed May 20, 1937. Serial No. 393,036.

STURDY-KORD

For Corduroys of Cotton, Wool, Rayon, and Mixtures Thereof in the Piece.
Claims use since April, 1937.

358,209. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BORDEN COMPANY, New York, N. Y. Filed June 2, 1937. Serial No. 393,523.

Churned Flake

For Buttermilk.
Claims use since May 2, 1937.

358,210. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TIFFANY BAKERIES, INC., Dallas, Tex. Filed June 4, 1937. Serial No. 393,674.

TIFFANY

For Bakery Products—Namely, Bread, Cake, Pastries, and Rolls.
Claims use since Apr. 2, 1937.

358,211. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN GROWERS PROTECTIVE ASSN., Los Angeles, Calif. Filed June 21, 1937. Serial No. 394,350.

Sweet Eatin'

For Melons of the Following Varieties: Cantaloupes, Persians, Honey Balls, Casabas, and Watermelons.
Claims use since May 12, 1937.

358,212. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WINDSOR-LLOYD PRODUCTS, INC., Wilmington, Del. Filed July 16, 1937. Serial No. 395,326.

LLOYD

For Ignition Coils and Replacement Ignition Coils.
Claims use since May 1, 1937.

358,213. (CLASS 38. PRINTS AND PUBLICATIONS.) NEW YORK EVENING JOURNAL, INC., New York, N. Y. Filed Sept. 17, 1937. Serial No. 397,513.

Mary Warwick

For Newspaper Section.
Claims use since Apr. 29, 1937.

358,214. (CLASS 47. WINES.) SCHROEDER BROS., INC., New York, N. Y. Filed Oct. 9, 1937. Serial No. 398,326.

MARQUÉS DEL RONCAL

For Sherry.
Claims use since Apr. 28, 1937.

358,215. (CLASS 17. TOBACCO PRODUCTS.) THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Oct. 20, 1937. Serial No. 398,701.

NEW YORKER

For Cigarettes.
Claims use since Apr. 12, 1937.

358,216. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ERA CANNING COMPANY, New Era, Mich. Filed Nov. 24, 1937. Serial No. 400,121.

Good Taste

For Canned Fruits and Canned Vegetables.
Claims use since June 1, 1927.

358,217. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAYNESVILLE PHARMACY, Haynesville, La. Filed Feb. 3, 1938. Serial No. 402,627.

Waller & Sutton

For Pharmaceutical Preparation for the Relief of Hay Fever and Asthma.
Claims use since Apr. 20, 1937.

358,218. (CLASS 12. CONSTRUCTION MATERIALS.) JAMES F. LARKIN, doing business as Allied Earthen Products Company, Oklahoma City, Okla. Filed Feb. 26, 1938. Serial No. 403,457.

WEIGHTY

For Drilling Mud and Mud Weights—Namely, a Material Composed of Clays and Limestone for Combining with Drilling Fluids to Increase Their Weight.
Claims use since March, 1937.

358,219. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BENJAMIN A. SCHIFF, doing business as Underwood Razor Company, Chicago, Ill. Filed Mar. 10, 1938. Serial No. 403,922.

**UNDERWOOD**

For Electric Dry Shavers.
Claims use since Mar. 1, 1937.

358,220. (CLASS 12. CONSTRUCTION MATERIALS.) GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill. Filed Mar. 31, 1938. Serial No. 404,708.

**COLUMBIA**

For Asphalt Composition Roofing and Building Papers.
Claims use since Mar. 1, 1937.

358,221. (CLASS 17. TOBACCO PRODUCTS.) NATHAN ELSON & CO., INC., Chicago, Ill. Filed Apr. 4, 1938. Serial No. 404,842.

**EL CUBO**

For Cigars.
Claims use since 1903.

358,222. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DALE LUGGAGE, INC., New York, N. Y. Filed Apr. 13, 1938. Serial No. 405,198.

**DALE**

For Trunks, Valises, Suitcases, Hatcases, Pocketbooks, Hand Bags, Cardcases, Wallets, Keycases, Briefcases, Sample Cases, Fitted Suit Cases and Travelling Bags of Various Sizes Equipped with Toilet Accessories, Handkerchief Cases, and Collar and Tie Cases.
Claims use since 1927.

358,223. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MARKEL ELECTRIC PRODUCTS, INC., Buffalo, N. Y. Filed Apr. 19, 1938. Serial No. 405,453.

**NUCHROME**

For Electric Lighting Fixtures—Namely, Ceiling Fixtures, Drop Fixtures, and Fixtures of the Wall-Bracket Type.
Claims use since Sept. 30, 1935.

358,224. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOSEPH LEIGH SMITH, doing business as Spring Specialty Co., Maywood, Ill. Filed Apr. 22, 1938. Serial No. 405,619.

**HOOK-ON**

For Muffler Repair Jackets.
Claims use since July, 1933.

## TRADE-MARK REGISTRATIONS RENEWED

15,731. NEEDLES. Registered July 31, 1888. HENRY MILWARD & SONS, Redditch, England. Re-renewed July 31, 1938, to The English Needle & Fishing Tackle Company Limited, Studley, England, a corporation of England, assignee.

121,727. CANNED PEAS. Registered May 21, 1918. OWEN CANNING COMPANY, Owen, Wis., a corporation of Wisconsin. Renewed May 21, 1938.

121,728. CANNED PEAS. Registered May 21, 1918. OWEN CANNING COMPANY, Owen, Wis., a corporation of Wisconsin. Renewed May 21, 1938.

121,801. COTTON PIECE GOODS. Registered May 28, 1918. MERITAS MILLS, North Highlands, near Columbus, Ga. Renewed May 28, 1938, to Standard Coated Products Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

121,946. CANNED SARDINES. Registered June 11, 1918. PREMIER PACKING CO., San Diego, Calif. Renewed June 11, 1938, to Van Camp Sea Food Co. Inc., Terminal Island, Calif., a corporation of California, successor.

121,982. WRENCHES. Registered June 11, 1918. WALDEN-WORCESTER, INC. Renewed June 11, 1938, to Stevens Walden, Incorporated, Worcester, Mass., a corporation of Massachusetts, assignee.

122,242. CHEMICAL COMPOUNDS SUITABLE FOR THE SOFTENING OF WATER. Registered July 9, 1918. THE STATEN ISLAND CHEMICAL CORPORATION, Paterson, N. J., and New York, N. Y. Renewed July 9, 1938, to American Zeolite Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

122,323. LIQUID GLUE. Registered July 23, 1918. THE IMPROVED LIQUID GLUES CO. LTD., London, England, a corporation of Great Britain. Renewed July 23, 1938.

122,470. CANNED PINEAPPLES, APRICOTS, PLUMS, PEACHES, PEARS, PEAS, AND CANNED SALMON. Registered August 20, 1918. THE G. H. HAMMOND COMPANY. Renewed August 20, 1938, to Cress Packing Company, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

122,483. CLOCKS. Registered August 20, 1918. THE E. INGRAHAM COMPANY, Bristol, Conn., a corporation of Connecticut. Renewed August 20, 1938.

122,693. LACE GOODS IN THE PIECE AND LACE CURTAINS. Registered September 10, 1918. FINE ART LACE COMPANY, Philadelphia, Pa. Renewed September 10, 1938, to Fine Art Lace Company, Tacony, Philadelphia, Pa., a corporation of Pennsylvania.

122,714. ARCH-SUPPORTS. Registered September 10, 1918. JAMES J. KETS, New York, N. Y. Renewed September 10, 1938.

123,041. CLOCKS. Registered October 8, 1918. THE E. INGRAHAM COMPANY, Bristol, Conn., a corporation of Connecticut. Renewed October 8, 1938.

123,096. MACHINES AND PARTS THEREOF. Registered October 15, 1918. CAMERON MACHINE COMPANY, Brooklyn, N. Y. Renewed October 15, 1938, to Cameron Machine Company, New York, N. Y., a corporation of New York.

123,447. CLOCKS. Registered November 12, 1918. THE E. INGRAHAM COMPANY, Bristol, Conn., a corporation of Connecticut. Renewed November 12, 1938.



123,475. CORRUGATED METAL SHEETS AND PLAIN METAL SHEETS. Registered November 12, 1918. THE NEWPORT ROLLING MILL COMPANY. Renewed November 12, 1938, to The Newport Rolling Mill Company, Newport, Ky., a corporation of Delaware, assignee.

123,500. CERTAIN NAMED JEWELRY. Registered November 12, 1918. ROBERT STOLL. Renewed November 12, 1938, to Robert Stoll, Incorporated, New York, N. Y., a corporation of New York, assignee.

123,574. BAR-STEEL AND STEEL CASTINGS. Registered November 19, 1918. DARWIN & MILNER, INC., New York, N. Y. Renewed November 19, 1938, to Darwin & Milner, Inc., Cleveland, Ohio, a corporation of New York.

123,605. HEADWEAR—NAMELY, FELT, CLOTH, STRAW, AND SILK HATS AND CAPS. Registered November 19, 1918. BENJAMIN H. KAUFMAN. Renewed November 19, 1938, to Bellcamp Stores, Inc., New York, N. Y., a corporation of New York, successor.

123,611. A PECTORAL COMPOUND FOR COUGHS, ASTHMA, BRONCHITIS, AND PULMONARY AFFECTIONS. Registered November 19, 1918. LANMAN & KEMP. Renewed November 19, 1938, to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y., a corporation of New York, assignee.

123,623. SOAPS, SHAVING-CREAM. Registered November 19, 1918. GERHARD MENNEN CHEMICAL CO. Renewed November 19, 1938, to The Mennen Company, Newark, N. J., a corporation of New Jersey, by change of name.

123,643. LIQUID VEGETABLE FLAVORING ESSENCES FOR FLAVORING FOOD PRODUCTS. Registered November 19, 1918. PURE FOOD FACTORY "HANSA", Mamaroneck, N. Y., a corporation of New York. Renewed November 19, 1938.

123,648. HOSIERY. Registered November 19, 1918. RICHMOND HOSIERY MILLS, Rossville, Ga., a corporation of Georgia. Renewed November 19, 1938.

## LABELS

### REGISTERED JUNE 28, 1938

51,419.—*Title:* JOLLY TIME. For Pop Corn. AMERICAN POP CORN COMPANY, Sioux City, Iowa. Published April 25, 1938.

51,420.—*Title:* JOLLY TIME SEASONING. For Pop Corn. AMERICAN POP CORN COMPANY, Sioux City, Iowa. Published April 10, 1938.

51,421.—*Title:* BEECH-NUT CHEESE WAFERS. For Cheese Wafers. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published January 28, 1938.

51,422.—*Title:* STEWART'S FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published May 27, 1938.

51,423.—*Title:* VALUE CONTROLD. For Grapefruit. FLORIDA CITRUS CANNERS COOPERATIVE, Lake Wales, Fla. Published February 14, 1938.

51,424.—*Title:* SCIENTIFIC ROACH AND BUG DESTROYER. For a Powder for the Elimination of Roaches, Water Bugs, Black Beetles, Ants, and Termites. SAUL, HANKOW, doing business as Scientific Laboratories, Baltimore, Md. Published March 21, 1938.

51,425.—*Title:* THE LINCOLN SHOE FOR BOYS. For Shoes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 1, 1937.

51,426.—*Title:* AERO PLASTIC. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 16, 1937.

51,427.—*Title:* RELAXERS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 30, 1937.

51,428.—*Title:* STERLING. For Shoes. INDUSTRIAL LITHOGRAPHIC COMPANY, INC., New York, N. Y. Published August 28, 1937.

51,429.—*Title:* EVI EVAN. For Light Wine Flavored with Resin. LEKAS & DRIVAS, INC., New York, N. Y. Published November 1, 1937.

51,430.—*Title:* AL MORRISON'S ALFALFA-KELP CREAM. For a Cream Product from Cream of Milk, Buttermilk, and Lemon Juice Combined with Organic Mineral Elements. ALFRED MARION MORRISON, doing business as Al Morrison, Oakland, Calif. Published May 16, 1938.

51,431.—*Title:* THYMPHENOLMETHYLENE BLUE. For Antiseptic Solution for Prophylactic and Local Treatment of Genito-Urinary Infections. NATIONAL INSTITUTE OF PUBLIC SERVICE, Richmond, Ind. Published March 18, 1938.

51,432.—*Title:* O-SO-EZY NO-RUBBING CREAM POLISH. For Polish for Fine Furniture and Woodwork. O-CEDAR CORP'N, Chicago, Ill. Published April 26, 1938.

51,433.—*Title:* O-SO-EZY GLASS CLEANER. For a Cleaner for Windows, Auto Glass Mirrors, and All Glass Surfaces. O-CEDAR CORP'N, Chicago, Ill. Published April 26, 1938.

51,434.—*Title:* DREAMS. For a Chocolate, Almond, and Coconut Confection. PETER PAUL, INC., Naugatuck, Conn. Published February 8, 1938.

51,435.—*Title:* MACARONI. For Macaroni. REFINED MACARONI CO., New York, N. Y. Published April 1, 1938.

51,436.—*Title:* SHAMROCK. For Coffee. UCO FOOD CORPORATION, Newark, N. J. Published January 3, 1938.

51,437.—*Title:* RENTSCHLERIZED MEAT IS BETTER MEAT. For Meat. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Published March 24, 1938.

## PRINTS

### REGISTERED JUNE 28, 1938

16,901.—*Title:* AMERICAN INSTITUTE OF FOOD PRODUCTS. For a Food Product. ROBERT A. BORIES, doing business as American Institute of Food Products, New York, N. Y. Published May 3, 1937.

16,902.—*Title:* DICK'S PILSENER BEER. For Beer. DICK BROTHERS BREWING COMPANY, Quincy, Ill. Published April 15, 1938.

16,903.—*Title:* CAN YOU MAKE A CHERRY PIE AS PERFECT AS THIS ONE? For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published June 5, 1938.

16,904.—*Title:* HORRORS OF WAR. For Picture Cards and Bubble Gum. GUM INCORPORATED, Philadelphia, Pa. Published February 18, 1938.

16,905.—*Title:* HORRORS OF WAR. For Picture Cards and Bubble Gum. GUM INCORPORATED, Philadelphia, Pa. Published February 18, 1938.

16,906.—*Title:* HORRORS OF WAR. For Picture Cards and Bubble Gum. GUM INCORPORATED, Philadelphia, Pa. Published February 18, 1938.

16,907.—*Title:* HORRORS OF WAR. For Picture Cards and Bubble Gum. GUM INCORPORATED, Philadelphia, Pa. Published February 18, 1938.

16,908.—*Title:* AN EMPTY WAGON MAKES THE MOST NOISE. For Coffee. HILLS BROS., San Francisco, Calif. Published May 25, 1938.

16,909.—*Title:* THE BOXER'S FIST MUST KEEP TO ITS TASK. For Coffee. HILLS BROS., San Francisco, Calif. Published May 4, 1938.

16,910.—*Title:* YOU CANNOT MAKE A WINDMILL GO WITH A PAIR OF BELLOWS. For Coffee. HILLS BROS., San Francisco, Calif. Published May 11, 1938.

16,911.—*Title:* IF YOU RUN AFTER TWO HARES YOU WILL CATCH NEITHER. For Coffee. HILLS BROS., San Francisco, Calif. Published April 27, 1938.

16,912.—*Title:* GATHER THE ROSE AND LEAVE THE THORN BEHIND. For Coffee. HILLS BROS., San Francisco, Calif. Published April 6, 1938.

16,913.—*Title:* A GOOD ANVIL DOES NOT FEAR THE HAMMER. For Coffee. HILLS BROS., San Francisco, Calif. Published March 30, 1938.

16,914.—*Title:* WHEN THE FOX PREACHES, BEWARE OF YOUR GEESE. For Coffee. HILLS BROS., San Francisco, Calif. Published March 23, 1938.

16,915.—*Title:* NO TREE FALLS AT THE FIRST STROKE. For Coffee. HILLS BROS., San Francisco, Calif. Published March 9, 1938.

16,916.—*Title:* TOO KEEN AN EDGE DOES NOT CUT . . . TOO FINE A POINT DOES NOT PIERCE. For Coffee. HILLS BROS., San Francisco, Calif. Published March 2, 1938.

16,917.—*Title:* THE WORTH OF GOOD IS NOT KNOWN BUT BY EXPERIENCE. For Coffee. HILLS BROS., San Francisco, Calif. Published February 23, 1938.

16,918.—*Title:* IT'S IN THE BAG. For Souvenirs. MICHAEL JACKSON, doing business as Jackson Publishing Co., Chicago, Ill. Published May 20, 1938.

16,919.—*Title:* HEALTHFUL 5¢ ICE CREAM ON A STICK CHEERIO DELICIOUSLY COATED. For Deliciously Coated Ice Cream Confections on a Stick. JOE LOWE CORPORATION, New York, N. Y. Published March 15, 1938.

16,920.—*Title:* YA BETTER LISTEN TO TH' RADIO!! 5¢ SAVE BAGS FOR GIFTS—POPSICLE FUDGICLE CREAMSICLE ICE CREAM ON-A-STICK. For Frozen Confections on Sticks. JOE LOWE CORPORATION, New York, N. Y. Published March 18, 1938.

16,921.—*Title:* SWITZERLAND SWISS CHEESE. For Swiss Cheese. SWITZERLAND CHEESE ASSOCIATION, INC., New York, N. Y. Published March 17, 1938.

16,922.—*Title:* WONDERFUL TIES FOR WONDERFUL FATHERS. For Neckties. THE WEISBAUM BROS., BROWER COMPANY, Cincinnati, Ohio. Published February 24, 1938.

16,923.—*Title:* RENTSCHLERIZED. For Meats. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Published March 24, 1938.

# REISSUES

## JUNE 28, 1938

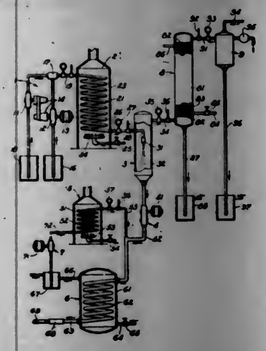
### 20,772

### PROCESS FOR PRODUCING SOAP HAVING A DEFINITE WATER CONTENT

**Benjamin Clayton, Houston, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada**

**Original No. 2,037,006, dated April 14, 1936, Serial No. 730,971, June 16, 1934. Application for reissue June 16, 1937, Serial No. 148,612**

**18 Claims. (Cl. 87—16)**



1. A continuous process of producing soap directly from a saponifiable material by the reaction therewith of an aqueous solution of a saponifying reagent, and recovering the glycerine produced by the process, which comprises: contacting the materials to produce soap and glycerine; continuously passing the mixture of soap and glycerine into an evaporating chamber; continuously removing water and glycerine vapor from said chamber at a rate sufficient to maintain a sufficient vacuum therein to vaporize substantially all the water and glycerine in said mixture; and continuously withdrawing soap from said chamber in such a manner as not to impair the vacuum maintained therein.

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### 20,773

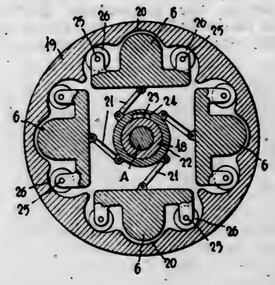
### MEANS ADAPTED TO REDUCE THE TORSIONAL OSCILLATIONS OF CRANKSHAFTS

**Raoul Roland Raymond Sarazin, Saint-Prix, France**

**Original No. 2,079,226, dated May 4, 1937, Serial No. 554,056, July 30, 1931. Renewed February 29, 1936. Application for reissue December 9, 1937, Serial No. 179,033. In France December 19, 1930**

**16 Claims. (Cl. 74—574)**

1. In a device for reducing vibrations in a shaft, a member adapted to be rotatively carried by said shaft, a weight member, and friction reducing guiding means for mounting said weight on said carried member for movement radially and angularly with respect to said shaft, said friction reducing guiding means comprising means providing a surface on one of said members and cooperating surface providing means of different curvature on the other member, said members being in rolling engagement at said surfaces, said surfaces being held in use in operative engagement by centrifugal force and being so formed that, when they roll relative to one another, the center of gravity of said weight



member describes relatively to the carried member a curved path having an intermediate portion farther from the axis of the shaft than the portions on either side thereof, said rolling engagement between said surface means being the sole force transmitting instrumentality between said members.

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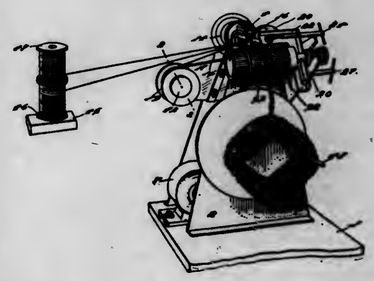
### 20,774

### METHOD OF AND APPARATUS FOR CURLING STRAND MATERIAL

**Reginald F. Sedgley, Philadelphia, Pa., assignor to John W. Gottschalk Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania**

**Original No. 2,056,213, dated October 6, 1936, Serial No. 31,827, July 17, 1935. Application for reissue December 9, 1936, Serial No. 115,005**

**8 Claims. (Cl. 140—71)**



1. The method of curling a plurality of metallic strands, which consists in simultaneously passing a plurality of metallic strands to a single, revolving mandrel, and subjecting the first turn of each strand on the mandrel to the pres-

sure of the yielding surface of a revoluble roll to cause the independent curling of each of the plurality of strands.

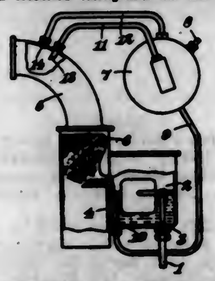
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20,775
**SYSTEM FOR PREVENTING DETRIMENTAL ICE FORMATION**

Andrew Swan, Kingston-on-Thames, and William Helmore, London, England, assignors to H. M. Hobson (Aircraft and Motor) Components Limited, London, England

Original No. 2,001,164, dated May 14, 1935, Serial No. 737,974, August 1, 1934. Application for reissue April 19, 1937, Serial No. 137,770. In Great Britain August 3, 1933
20 Claims. (Cl. 123—198)

1. A device for preventing detrimental ice formation in the induction system of an internal-combustion engine comprising means for supplying an anti-freezing substance to said induction system and means adapted to be influenced by



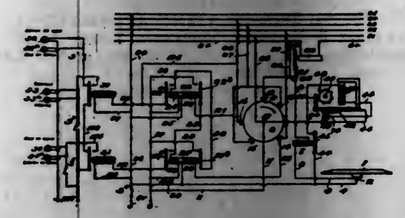
freezing conditions, whereby automatically to control the supply of anti-freezing substance.

# PATENTS
## GRANTED JUNE 28, 1938

2,121,772
**TRAFFIC SIGNAL**

Roy M. Allen, Bloomfield, N. J.

Application December 27, 1927, Serial No. 242,755
4 Claims. (Cl. 177—337)



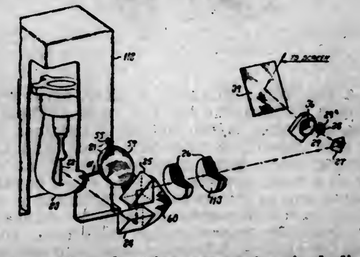
2. A street crossing signaling system including a pair of signal circuits, each circuit including a go signal on one street and a stop signal on the other street, a time controlled switching means for successively and alternately reversing the open and closed positions of the circuits for predetermined periods of time, a vehicle actuated means for initiating the operation of said time controlled switching means, said vehicle actuated means including energy storing means operated by the vehicle actuation for storing sufficient energy to operate the time switch through one complete cycle, and means operated by the time switch for disconnecting the vehicle actuated means during the operation of the time switch.

4. A street crossing signaling system for interfering lanes thereat, including a pair of signaling circuits, one circuit including a stop signal for one lane and a go signal for an interfering lane, and the second circuit including a go signal for the said one lane, and a stop signal for said interfering lane, and control means for said signal circuits; a central traffic control including connections to said control means and also time control means, and when operative rendering said connections in one operative condition for a predetermined time to apply said control means to said signal circuits to energise one of said signal circuits, repeatedly alternated with a different operative condition to apply said control means to said signal circuits to energise the said other signal circuit for a predetermined time; a normally inactive time controlled mechanism, said mechanism, when inactive, applying said control means to said signal circuits to energise one signal circuit and deenergise the other signal circuit, and when activated, applying said control means to said signal circuits first to deenergise the said one signal circuit while energizing the said other signal circuit for a predetermined period, and thereafter returning to inactive condition, a device actuated by traffic in one of said lanes, means connected to said mechanism and operated when said device is actuated to activate said mechanism; and a switching mechanism operable when said central control is operating to disconnect the last said means from said mechanism whereby the central control connection is operative to operate said signal circuit control means.

2,121,773
**MOTION CHECKING APPARATUS**

William Barten Eddison, Ardsley on Hudson, N. Y.

Application January 20, 1936, Serial No. 61,550
29 Claims. (Cl. 73—51)



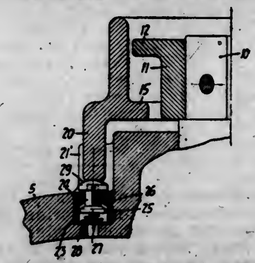
1. A motion-checking apparatus including in combination: a source of light; a movable beam-control member acting to flash a beam of light from the said source at predetermined intervals upon the object whose motion is to be checked; and a shutter-member movable into the path of the beam emanating from the said source and acting to periodically nullify the stated action of the said beam-control member.

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2,121,774
**AIR RELEASE MEANS AND COMBINATION IN RAILWAY AIR-BRAKE SYSTEM**

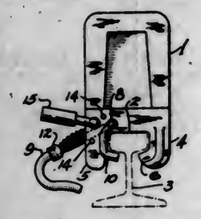
John Ham, San Francisco, Calif.

Application January 26, 1938, Serial No. 187,010
5 Claims. (Cl. 303—36)



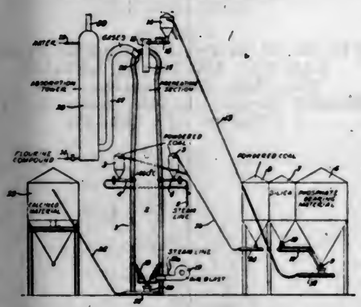
1. In an air-brake system in railways cars, a valve, continuing portions of an air pressure line extending from opposite sides of said valve, said valve being movable from an open position for flow of air therepast and through said portions to a closed position closing the flow of air therepast and through said portions, normally closed air release means carried by one of said portions of the air pressure line movable to open said portion to release of air therein, valve actuating means for moving said valve from open to closed position, and means movable with said valve actuating means arranged and adapted to actuate said air release means for releasing the air in said one of the portions of the air pressure line only after said valve is moved to closed position, said air release means being separate from said valve.

**2,121,775**
**CAR STOP**
**Paul J. McCullough, St. Louis, Mo., assignor to Joseph Pavelka, Sr., St. Louis, Mo.**
**Application July 3, 1937, Serial No. 151,793**
**15 Claims. (Cl. 104—258)**



1. A car stop comprising a block arranged to rest upon the top of a rail and having wheel engaging elements, a rail engaging member rigid with and depending from said block, and a cooperating latch lever pivoted directly on said block at a point spaced from the wheel engaging elements and said member and including a hook movable into and out of position to engage the rail to hold the block thereon, there being spring means for yieldingly holding said latch and hook in rail engaging position or in released position.

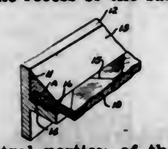
**2,121,776**
**METHOD OF CALCINING PHOSPHATE-BEARING MATERIALS**
**Thaddeus F. Baily, Canton, Ohio**
**Application March 18, 1935, Serial No. 11,673**
**10 Claims. (Cl. 71—47)**



1. The method of calcining phosphate-bearing material to eliminate the fluorine therefrom, without liberating phosphorus, which comprises contacting freely falling particles of said material with water vapor at temperatures and under conditions which effect completion of the fluorine freeing reaction while the particles are in suspension.

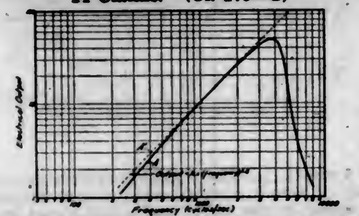
**2,121,777**
**WINDOWPANE AND METHOD OF MAKING SAME**
**James Bailey and Aaron K. Lyle, Hamburg, N. Y., assignors to Bailey & Sharp Co., Inc., Hamburg, N. Y.**
**Application March 2, 1936, Serial No. 66,540**
**15 Claims. (Cl. 20—56)**

1. A window construction comprising a glass pane having reinforcement contained therein, a sash recessed to receive the glass, putty filling the recess to seal the joint between the glass and the sash, the entire marginal edge portion of the glass within the recess of the sash being severed



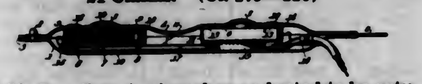
from the central portion of the glass beneath the putty and with the reinforcement unsevered.

**2,121,778**
**SOUND TRANSLATING APPARATUS**
**Stuart Ballantine, Mountain Lakes, N. J.**
**Application February 12, 1935, Serial No. 6,245**
**14 Claims. (Cl. 179—1)**



1. Sound translating apparatus comprising a mechano-electric transducer substantially non-responsive to sound waves in air and actuated by the vibrations of the body due to the voice, and an electrical network for transmitting the electrical output of said transducer, said transducer and network having an overall frequency response characteristic which rises progressively with frequency from 200 to about 4000 cycles when the transducer is vibrated at constant velocity, whereby the electrical current output of said network may be converted into sound waves having an acoustical quality comparable to that of the voice.

**2,121,779**
**SOUND TRANSLATING APPARATUS**
**Stuart Ballantine, Mountain Lakes, N. J.**
**Application February 12, 1935, Serial No. 6,246**
**21 Claims. (Cl. 179—110)**

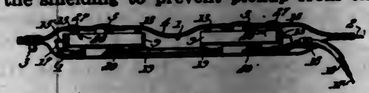


20. In a throat microphone adapted to be actuated by vibrations of the body due to voice, a transducer comprising means of relatively low inertia adapted to be vibrated and means of relatively higher inertia for supporting said vibrating means, means contacting said vibrating means for transmitting thereto vibrations of the body due to the voice, and means for supporting said transducer on the body, said vibrating means and vibration-transmitting means having a principal resonance frequency at the upper end of the range of audio frequencies.

**2,121,780**
**SOUND TRANSLATING SYSTEM**
**Stuart Ballantine, Mountain Lakes, N. J.**
**Application February 26, 1935, Serial No. 8,392**
**Renewed February 20, 1937**
**10 Claims. (Cl. 179—78)**

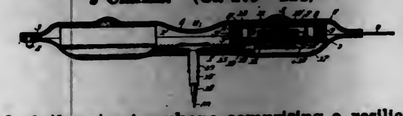
1. In the operation of a throat microphone having a high impedance mechano-electrical transducer located in and incompletely shielded by a metallic housing, the method of supplementing the shielding to prevent pickup from exter-





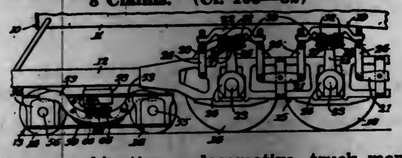
nal electrical fields which comprises establishing an electrical connection between the metallic housing and the surface of the operator's body.

**2,121,781**
**SOUND TRANSLATING DEVICE**
**Stuart Ballantine, Mountain Lakes, N. J.**
**Application April 13, 1936, Serial No. 74,201**
**9 Claims. (Cl. 179—114)**



8. A throat microphone comprising a resilient vibration member to which the vibrations of the throat are transmitted, and means for supporting said vibration member on the throat, the compliance of said resilient vibration member being resonant with the mass of said supporting means at a frequency of the order of between 100 and 1000 cycles, and said resilient vibration member being resonant at a frequency above 1500 cycles.

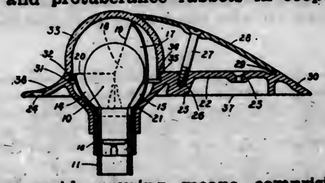
**2,121,782**
**SUPPORTING MECHANISM FOR LOCOMOTIVES**
**Frank B. Barclay, Chicago, Ill.**
**Application July 21, 1934, Serial No. 736,304**
**8 Claims. (Cl. 105—82)**



1. In combination, a locomotive, truck members beneath said locomotive, said truck members comprising a plurality of wheels and axles, and means including an equalizer mechanism for supporting said locomotive from said axles, said mechanism comprising equalizers for distributing the weight of said locomotive on said axles and coil springs and resilient shock absorbing units operating in parallel for absorbing shocks incident to the running of the locomotive and preventing the same from reacting on said locomotive, said shock absorbing units comprising load supporting coil springs and friction elements within said springs for yieldingly resisting the compression of said units, said units on certain of said truck members being vertically above the supporting axles of said truck members and the remainder being between the supporting axles of certain other of said truck members.

**2,121,783**
**AIRPLANE RUNNING LIGHT**
**Francis C. Brockenridge, Washington, D. C.**
**Application February 2, 1937, Serial No. 123,873**
**2 Claims. (Cl. 240—7.7)**
**(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)**

1. An aircraft running light comprising a base whose outline is substantially that defined by a longitudinal cross-section of a tear drop, a lamp receiving protuberance extending downwardly through the head of said base, a semi-spherical dome, interfitting rabbets on said dome and said protuberance, and means for quickly and detachably securing said dome to said base with said dome and protuberance rabbets in cooperating



relation, said securing means comprising an undercut groove extending about the tail of the base and a shield having one end bearing in said undercut groove and the other end bearing on said dome to the rear of its high point and a single member extending through said shield intermediate said bearing points and secured to said base.

**2,121,784**
**COWLING FASTENER**
**Daniel Busby, Seattle, Wash.**
**Application March 1, 1938, Serial No. 193,291**
**7 Claims. (Cl. 151—32)**
**(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)**

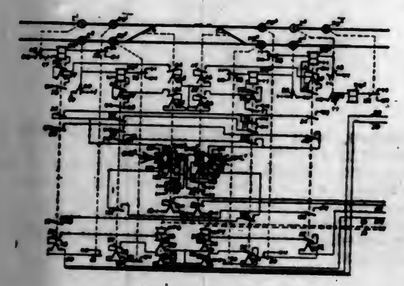


2. In combination, a pair of members to be connected, provided with openings to register with one another, one of said members having a helical spring fixedly secured in concentric relation with the opening on the inwardly presenting face thereof, the other of said members having one or more ridges adjacent the opening on the outwardly presenting face thereof and a screw member rotatably mounted in said opening, said screw and said helical spring being so constructed and arranged as to provide a yieldingly threaded connection for said members, said screw having a head portion provided with one or more notches on the abutting face of said head portion adapted for complemental engagement with said ridges for fixedly securing said screw against rotation with respect to its supporting member, when the members are firmly connected together.

**2,121,785**
**INTERLOCKING SYSTEM FOR RAILROADS**
**Charles S. Bushnell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.**
**Application April 8, 1936, Serial No. 73,322**
**19 Claims. (Cl. 246—134)**

1. In an entrance-exit type interlocking system, the combination with a track layout having a plurality of routes over portions of track between signals governing train movement in the same direction, each of said routes including one or more switches and many of which have entrance or exit points at signal locations in common, a route end relay for each signal location, a switch machine for each of said switches, a

switch machine control relay for each switch machine, manually operable means for controlling said route end relays, circuits for controlling said switch machine control relays by said route end relays, each of said switch control relays having energizing circuits separate from those for energizing other switch control relays, each of said energizing circuits for each switch control relay



belonging individually to one of the routes over the corresponding switch and including contacts of the route end relays for the opposite ends of such route, and a signal control circuit for each route including contacts reflecting the positions assumed by the switches therein and contacts of the route end relays at the entrance and exit ends thereof.

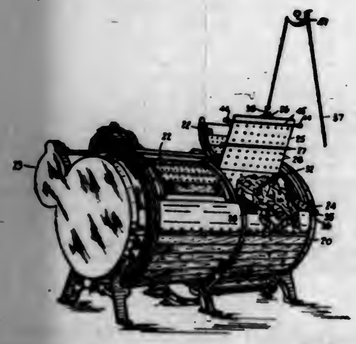
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2,121,786

**WASHING MACHINE**

Joseph Carroll, Brooklyn, N. Y., assignor of one-half to Benjamin Kobre, New York, N. Y.

Application November 11, 1936, Serial No. 110,263
10 Claims. (Cl. 68—18)



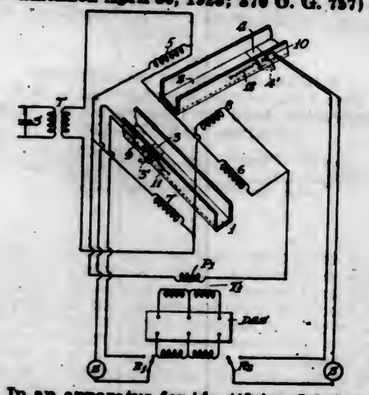
1. An article of the character described comprising a rotary clothes washing compartment, a flexible holder for clothes adapted to be received within said compartment and having one end substantially fixed thereto and the other end linearly withdrawable therefrom, means in the compartment to retain the said holder in substantially fixed position during the washing operation, and means connected with the movable end of said holder to withdraw the said holder substantially from the compartment after the washing operation whereby the clothes are discharged therefrom.

2,121,787

**METHOD AND APPARATUS FOR DETERMINING THE MIGRATION OF FISH**

Edwin H. Dahlgren, Seattle, Wash., assignor to Government of the United States, as represented by the Secretary of Commerce

Application November 23, 1936, Serial No. 112,208
4 Claims. (Cl. 175—265)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an apparatus for identifying fish bearing metal identification tags, the combination of a conveyor having an ejector gate, a balanced electrical circuit positioned adjacent said conveyor whereby the presence of said fish bearing the metal identification tags unbalances said electrical circuit, and means coupling the output of said balanced electrical circuit for operating said ejector gate.

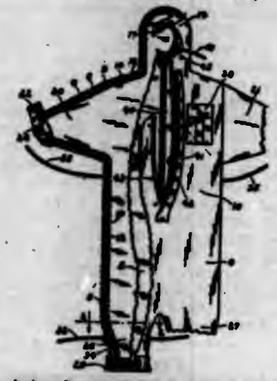
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2,121,788

**GARMENT-LIKE SLEEPING BAG**

George C. Dalber, Seattle, Wash., now by judicial change of name Orne Craig Dalber

Application September 25, 1935, Serial No. 42,102
3 Claims. (Cl. 2—83)



1. An interchangeable sleeping bag and garment comprising inner and outer layers throughout the garment and having a body, sleeves and hood, said body formed with short leg portions of substantial width adapted to loosely enclose a foot, said sleeve portions formed on said body and having bases extending from the hood to the waistline, closed shoe portions on said leg portions for garment use, means for securing the shoe portions, alined openings through the layers of the body portion, means for closing the inner opening from the inside of the inner layer, and means for closing the outer opening from the outside of the garment.



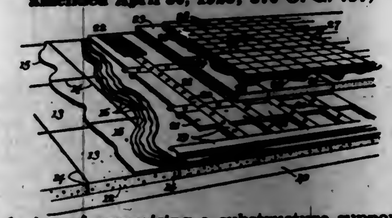
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2,121,789

**ROOF CONSTRUCTION**

Herbert W. Davey, Annapolis, Md.

Application January 18, 1937, Serial No. 121,161
4 Claims. (Cl. 189—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A roof comprising a substructure supported by the walls of a building, a superstructure supported by said substructure and including a plurality of sections separated by expansion joints, a plurality of blocks, one supported by each of said sections and also separated by expansion joints coinciding vertically with said first mentioned expansion joints, and a tile covering for each block, the tiles adjacent to the edges of each block being separated from the corresponding tiles of an adjacent block by expansion joints coinciding with said first and second mentioned expansion joints to provide lines of cleavage extending vertically entirely through said superstructure and drainage passageways extending along said lines of cleavage.

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2,121,790

**HINGE MOUNTING FOR DOORS AND THE LIKE**

Paul Etsel, Buffalo, N. Y.

Application February 12, 1937, Serial No. 125,467
8 Claims. (Cl. 16—164)



1. A hinge mounting for movably connecting a door with a body including a supporting link having its opposite ends connected with the body and door by pivots which have their respective axes arranged in a plane transversely of said door and body, and a controlling link having its opposite ends connected with the body and door by pivots which have their respective axes arranged in a plane lengthwise of said door and body.

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2,121,791

**CORK COMPOSITION AND METHOD OF MAKING**

Nelson S. Frink, Norwood, Mass., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

No Drawing. Application September 14, 1934, Serial No. 744,094
3 Claims. (Cl. 106—22)

1. A cork composition consisting of cork granules, a polyhydric alcohol plasticizer, and a mixture of adhesives consisting of an adhesive selected from a group consisting of glue, albumen, and casein and an adhesive resin selected from a group consisting of dammars, copals, phenolic resins, cumaron resins, and alkyd resins, said adhesives being present in amount to constitute a binder for the cork granules and said comminuted cork predominating by volume.

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2,121,792

**CARTRIDGE CLIP**

John C. Garand, Springfield, Mass., assignor to the Government of the United States of America, as represented by the Secretary of War

Application April 8, 1932, Serial No. 604,100
2 Claims. (Cl. 42—68)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. An ammunition clip for holding a double row stack of cartridges in staggered relation and adapted to be inserted therewith into the receiver of a gun, said clip comprising a back plate and two forwardly extending spring pressed side walls for embracing said ammunition stack with a compressing action, said side walls having inturned portions at their upper and lower ends, each side wall having formed therein adjacent its junction with the back plate an inwardly projecting rib for engaging in front of the cartridge extracting rims and also an outwardly projecting rib for engaging behind a shoulder in said receiver so as to position said clip within the receiver.

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2,121,793

**ABSORBENTS FOR HYDROGEN SULPHIDE**

John C. Goshorn and Paul O. Rockwell, Baltimore, Md.

No Drawing. Application July 1, 1935, Serial No. 29,370
22 Claims. (Cl. 23—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A process for the complete purification of air mixed with hydrogen sulphide which consists of contacting said air with activated charcoal impregnated with an inorganic compound of iodine.

15. A filter for the complete purification of air to be breathed containing toxic gases, including hydrogen sulphide, consisting of activated charcoal impregnated with an alkali metal iodide.

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2,121,794

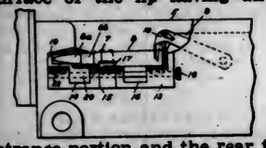
**CARTRIDGE GUIDE AND STOP FOR MACHINE GUNS**

Samuel G. Green, Gray, Ga.

Application May 12, 1937, Serial No. 142,172
16 Claims. (Cl. 89—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an automatic firearm, a receiver casing having a transverse cartridge feedway, a block in the front end of the feedway and having a transverse passage ending in a stop wall, the front wall of the passage having a forwardly flared entrance portion, the bottom wall of the passage having a rear face forming a shoulder with a forwardly flared entrance portion, the top wall having an upwardly flared entrance portion and having a shoulder disposed in the vertical

plane of the shoulder of the bottom wall and having an upwardly flared entrance portion, a lip on the block in rear of the top shoulder, the under surface of the lip having an upwardly



flared entrance portion and the rear face of the lip having a forwardly and upwardly flared entrance portion, and a member selectively insertable in the passage and having a rear face conforming to the shoulders.

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2,121,795

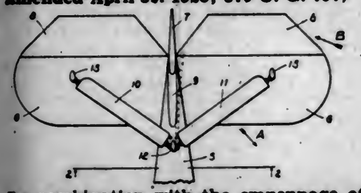
**SPIN RECOVERY DEVICE**

Charles G. Halpine, Washington, D. C.

Application August 9, 1937, Serial No. 158,243

3 Claims. (Cl. 244—87)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. In combination with the empennage of an aircraft, vanes having an angle of sweepback of approximately 45 degrees mounted proximate to the empennage in a plane approximately parallel to the plane containing the X and Y axes of the aircraft and positioned in unobstructed airflow when the aircraft is in a spin, and means for changing the angle of attack of the vanes connected with the elevator control system whereby the vanes move in unison with the elevator.

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2,121,796

**PROJECTILE**

Josef E. Helbich, Seattle, Wash.

Application July 30, 1934, Serial No. 737,588

4 Claims. (Cl. 102—26)



1. A projectile comprising a body of soft metal having a circumferential groove intermediate its front and rear ends, and a flange outstanding from said body at the forward end of said groove, compressible thereinto by contact with the gun barrel, and a slug of hard metal embedded in said soft metal body, said slug having a strengthening flange outstanding therefrom and terminating adjacent to the base of the body flange, to resist deformation of the soft metal at the base of the body flange, upon compression of the flange into said groove.

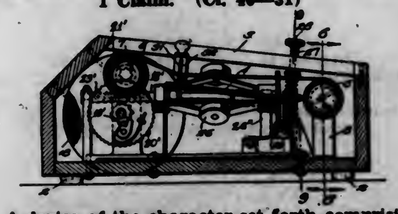
2,121,797

**TRANSCRIPT OR NOTE HOLDER**

Hal B. Holland, Praise, Ky., assignor, by mesne assignments, of one-fifth to Joe Powell, Praise, Ky.

Application October 19, 1936, Serial No. 106,445

1 Claim. (Cl. 40—31)



A device of the character set forth comprising a casing having a window, drive and feed rollers journaled in said casing and having passing from one to the other transcript or note paper, and a spring motor detachably connected to the drive roller and including a governor having a disc as a part thereof, and an adjustable brake coacting with the disc to vary the speed of operation of the spring motor other than that provided for by said governor, and a manually releasable self applying brake mechanism coacting with the disc to automatically stop said spring motor when manually released.

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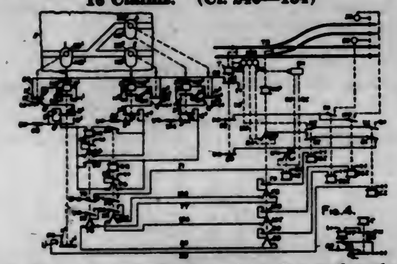
2,121,798

**INTERLOCKING SYSTEM FOR RAILROADS**

Winthrop K. Howe, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application May 23, 1936, Serial No. 81,419

16 Claims. (Cl. 246—134)



1. In an interlocking system for railroads, a track layout and a miniature track diagram corresponding thereto, a plurality of manually operable controlling means on the track diagram each comprising an outer circuit-controlling button and a concentric inner circuit-controlling button, means for establishing routes over the track layout by operation of the controlling means, and magnetic means controlled by traffic over said routes for retaining each outer circuit-controlling button in its operated position.

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2,121,799

**PROCESS FOR MAKING CAST PERMANENT MAGNETS**

Hugh A. Howell, Berwyn, Ill., assignor to Frank Raffles, Chicago, Ill.

No Drawing. Application June 29, 1937, Serial No. 151,029

8 Claims. (Cl. 75—27)

1. The method of making a permanent magnet alloy consisting substantially of mixing by weight



30 to 50 parts iron oxide, 10 to 20 parts aluminum and 5 to 15 parts of nickel, and igniting in a crucible, rotating the crucible to freeze slag to the sides of the crucible, and pouring liquid metal into a mold after chemical action has been completed.

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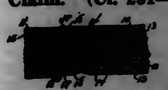
2,121,800

**RECONDITIONING OLD BOOKS AND LEDGERS**

Maynard R. Hultman, Pittsburgh, Pa.

Application March 14, 1936, Serial No. 68,953

1 Claim. (Cl. 281—21)



A reconditioned book having alternate long and short pages, the rear edges of the long pages being trimmed, the rear edges of the short pages being skived, binding strips of one-half the thickness of the pages secured to the trimmed rear edges of the pages by overlapping, and binding strips of one-half the thickness of the pages secured to the skived rear edges of the pages, the overlapped and skived seams being arranged in staggered relation, all of the binding strips being folded back upon themselves, the bights of the folds being in alignment, all of the binding strips having their free edges disposed in close proximity to the trimmed rear edges of the pages.

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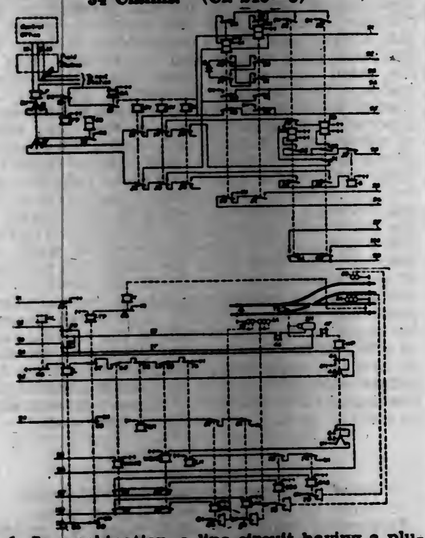
2,121,801

**CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS**

Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application February 26, 1934, Serial No. 712,920

34 Claims. (Cl. 246—3)



1. In combination, a line circuit having a plurality of code combinations applied thereto, a track section including a track switch, a switch machine for controlling said track switch, a plurality of signals for directing traffic over said track switch, a plurality of switch control relays for controlling said switch and a plurality of signal control relays for controlling said signals, means responsive to a first code combination for selectively actuating one of said switch control relays, means for restoring the actuated switch control relay to normal after said switch machine attains a position corresponding to said first code combination, means responsive to a second code combination for selectively actuating one of said signal control relays, means for restoring the actuated signal control relay to normal after its response to said second code combination only in response to the occupancy of said track section, and means for restoring the actuated switch control relay to normal only after the actuated signal control relay is restored to normal.

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2,121,802

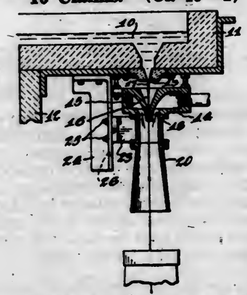
**METHOD AND APPARATUS FOR STRENGTHENING FIBERS**

Dale Kleist and John H. Thomas, Newark, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application August 30, 1935, Serial No. 38,568

Renewed June 16, 1937

16 Claims. (Cl. 49—1)



1. The method which comprises flowing a molten stream of thermoplastic viscous material which forms a super-cooled solution at room temperature, applying a drawing force to the stream, by which it is attenuated, and applying to the material while in a viscous state, a vibratory force.

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2,121,803

**INTERLOCKING SYSTEM FOR RAILROADS**

Andrew Langdon, Brighton, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

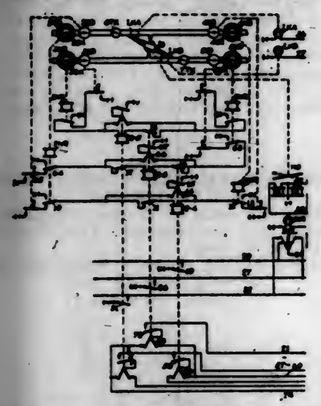
Application July 22, 1936, Serial No. 91,932

Renewed September 28, 1937

12 Claims. (Cl. 246—134)

5. In a centralized traffic controlling system for railroads, two main line tracks connected by a crossover including two track switches, power driven means for operating the track switches, one traffic relay for manifesting traffic conditions adjacent one of said track switches, another traffic relay for manifesting traffic conditions adjacent another of said track switches, one normal switch control relay for the track switch in one main line for causing the normal operation of its said power driven means, another normal switch control relay for the track switch in the other main line for causing the normal operation of its said power driven means, a reverse switch control relay for causing the reverse operation of said power driven means for both of the track switches, a locking relay for preventing the response of said power driven means to said switch

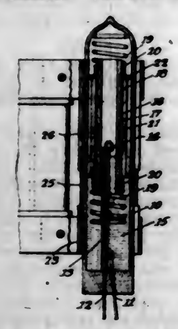
control relays when such locking relay is deenergised, a pick up circuit for said locking relay including back contacts of all said switch control relays and front contacts of both said traffic relays, a stick circuit for said locking relay including a front contact of said locking relay, contacts which complete such circuit only while said switch control relays and said track switches are out of correspondence, and front contacts of both



of said traffic relays, an indicator lamp controlled by multiple front contacts on said one normal switch control relay and said reverse switch control relay also in multiple with a back contact of said one traffic relay, another indicator lamp controlled by multiple front contacts on said another normal switch control relay and said reverse switch control relay also in multiple with a back contact of said another traffic relay.

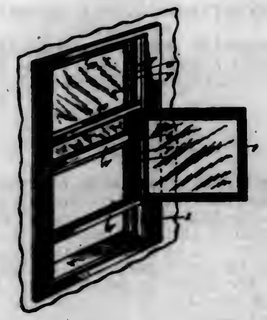
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**2,121,804**
**OXIDIZED PLUNGER AND SPRING**
**Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois**
**Application October 17, 1934, Serial No. 748,585**
**6 Claims. (Cl. 200—112)**



1. A mercury tube switch comprising a switch envelope, mercury therein, spaced electrodes in the envelope, a ferrous body in the mercury, means for manipulating the mercury to bridge the electrodes thereby to complete an electrical circuit through the electrodes, and means for preventing deterioration of the mercury by the ferrous body in the mercury, said means including an oxide coating on the ferrous body.

**2,121,805**
**WINDOW INCLUDING INWARDLY SWINGING SASH**
**James J. Leary, Philadelphia, Pa.**
**Application July 2, 1936, Serial No. 88,554**
**1 Claim. (Cl. 20—48)**



The combination with a window frame comprising side vertical styles provided with vertical guides, of upper and lower sashes operable in the guides, each of said sashes comprising main and auxiliary sash sections, said auxiliary sash section being hinged to a vertical style or rail of the main sash section and adapted to swing inwardly within the main sash section, the upper and lower horizontal rails of the main and auxiliary sash sections having tongue and groove connections, the vertical styles or rails of the main and auxiliary sash sections having tongue and groove connections, all of said tongue and groove connections acting to prevent seeping of the weather moisture into the interior, certain of said tongue and groove connections between the auxiliary sash section and the vertical style of the main sash section being angularly inclined incident to the hinge connection, whereby the auxiliary sash section may swing inwardly, water-shed weather-strips secured to the outer faces of the upper and lower rails and vertical styles of the main sash section and against which the outer faces of the upper and lower rails and the vertical styles of the auxiliary sash section engage, certain of the water-shed weather-strips of the lower rails of both main sash sections having their under edges undercut, whereby water or moisture may shed from the sharpened portions of said lower edges, certain of the styles of the window frame having openings in vertical alignment one above the other, and a pin passing horizontally through certain of the vertical rails or styles of the main and auxiliary sash sections to hold the main and auxiliary sash sections together, said pin adapted to enter certain of the openings in the style or rail of the window frame to prevent vertical adjustment of the sash.

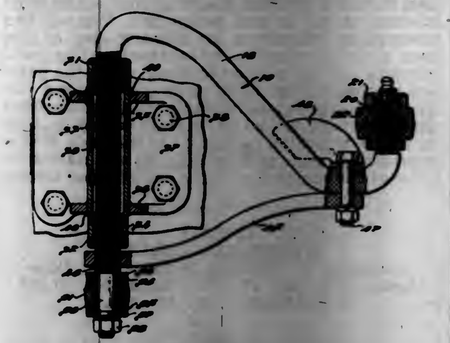
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**2,121,806**
**INDEPENDENT WHEEL SUSPENSION**
**John W. Leighton, Port Huron, Mich.**
**Application March 20, 1936, Serial No. 69,786**
**14 Claims. (Cl. 267—20)**

1. In an independent wheel suspension, a vehicle frame, an axle supporting member, parallel threaded bearings on said frame and member respectively, a unitary connecting arm element having threaded journals at its ends mounted in



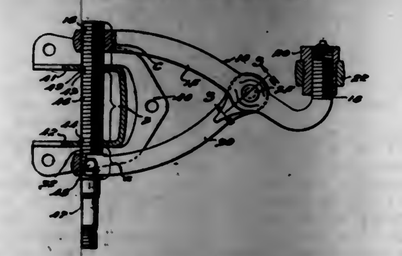
said bearings, respectively, and a reinforcing means connecting a portion of said arm element



intermediate said bearings with a portion beyond one of the bearings.

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**2,121,807**
**INDEPENDENT WHEEL SUSPENSION**
**John W. Leighton, Port Huron, Mich.**
**Application May 23, 1936, Serial No. 81,351**
**6 Claims. (Cl. 267—20)**



1. A pivotal link connection comprising a bar having at one end an opening adapted to receive a journal and having its other end bent into parallelism with the axis of said opening and formed to constitute a journal, a shaft adapted to be fixedly secured intermediate its ends to a supporting member and having journal portions at its ends, one of which is received in said bar opening, and a reinforcing bar pivotally mounted on the other shaft journal and connected to said first bar intermediate the ends of the latter.

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**2,121,808**
**MANUFACTURE OF HIGH VISCOSITY CELLULOSE ESTERS**
**Carl J. Malm, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey**
**No Drawing. Application July 14, 1937, Serial No. 153,633**
**11 Claims. (Cl. 260—101)**

1. A method of preparing a used acylation vessel, containing as a residue some of the reaction mixture prepared therein, for a subsequent acylation of cellulose which comprises adding an alkali metal compound of basic tendencies to the activating liquid to be used in the pretreatment of the cellulose in the vessel in an amount to assure a pH of 0.5–1.5 prior to introducing the cellulose therein.

**2,121,809**
**COMPOSITION CORK AND METHOD OF MAKING SAME**
**Charles E. McManus, Spring Lake, N. J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York**
**No Drawing. Application September 14, 1934, Serial No. 744,095. Renewed July 30, 1937**
**12 Claims. (Cl. 106—22)**

1. A free flowing composition of matter comprising cork granules coated with a binder comprising bodied tung oil and a glue, said binder being in a non-tacky state.

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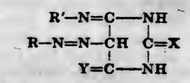
**2,121,810**
**CORK COMPOSITION AND METHOD OF MAKING SAME**
**Charles E. McManus, Spring Lake, N. J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York**
**No Drawing. Application September 14, 1934, Serial No. 744,097. Renewed July 30, 1937**
**8 Claims. (Cl. 106—22)**

1. A cork composition comprising cork granules, and bodied tung oil and a resin in amount to constitute a binder therefor, said comminuted cork predominating by volume.

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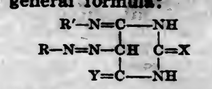
**2,121,811**
**AZO COMPOUNDS AND PROCESS FOR DYEING THEREWITH**
**James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey**
**No Drawing. Application January 14, 1937, Serial No. 120,557**
**20 Claims. (Cl. 8—5)**

1. An azo compound having the general formula:



wherein X represents O or S, R' represents hydrogen, an alkyl group or an aryl group, Y represents O or NR' and R represents an aromatic nucleus.

7. A process of coloring an organic derivative of cellulose which comprises applying thereto a dye selected from the class of azo compounds having the general formula:



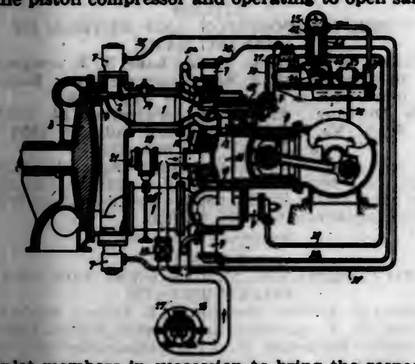
wherein X represents O or S, R' represents hydrogen, an alkyl group or an aryl group, Y represents O or NR' and R represents a nuclear non-sulfonated aromatic nucleus.

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**2,121,812**
**APPARATUS FOR CHARGING CONSTANT VOLUME EXPLOSION CHAMBERS**
**Ulrich Meininghaus, Mulheim-Ruhr, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a corporation of Delaware**
**Application August 5, 1932, Serial No. 627,609**
**In Germany August 7, 1931**
**3 Claims. (Cl. 60—41)**

1. The combination of a plurality of constant volume explosion chambers having inlet members for high pressure charging air and for fuel, and outlet members for the high pressure, high temperature explosion gases, said chambers having also scavenging air valves adapted to charge

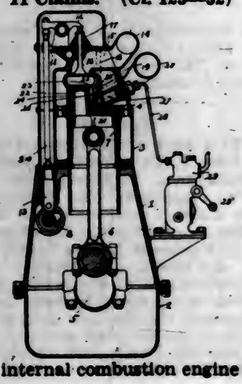
scavenging air of relatively low pressure into the explosion chamber following the expansion of an exploded charge to expel the residual combustion gases in the chamber, air compressor mechanism including a piston compressor common to said chambers, the outlet of said piston compressor lying in the vicinity of and leading into the charging air inlet members of said explosion chambers, an inlet in the compressor cylinder for charging air thereinto of a pressure approximately equal to that of the scavenging air charged into the explosion chambers, timing mechanism for the inlet and outlet members of the explosion chambers and synchronized with the movement of the piston compressor and operating to open said



inlet members in succession to bring the respective chambers, after the scavenging thereof, and after the closing of the respective outlet valve, into communication with the compression space of the compressor during the successive compression strokes of the latter, said compressor being arranged with its compression space out of the path of the live explosion gases discharging from said chambers, the speed of the timing mechanism and that of the compressor being so related that the number of piston strokes per unit of time bears the relationship of a whole number to the product of the number of chambers by the number of cycles per chamber in the same unit of time.

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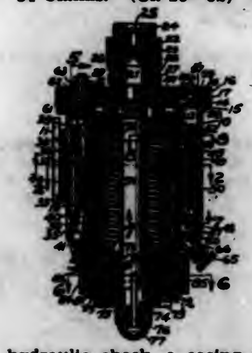
2,121,813
**INTERNAL COMBUSTION ENGINE**
Courtney N. Mitchell, Berea, Ohio
Application April 30, 1928, Serial No. 274,133
Renewed December 2, 1932
11 Claims. (Cl. 123—32)



1. In an internal combustion engine of the type described, a cylinder and a piston having a projection and a recess arranged to cooperate and interfit with a working clearance during the compression stroke of the piston and forming two compression chambers of differing size at the head of the cylinder, one of said cooperating parts having a cut-out portion forming, when the parts are in cooperating relationship, a localized enlarged passageway connecting said compression chambers, and a fuel injector arranged so that its nozzle is located intermediate the ends of said passageway and substantially at its narrowest point at the completion of the compression stroke.

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2,121,814
**HYDRAULIC CHECK**
Courtney N. Mitchell, Strongsville, Ohio
Application July 15, 1935, Serial No. 31,386
34 Claims. (Cl. 16—52)



1. In a hydraulic check, a casing having an abutment therein, a spring barrel within said casing, a channel surrounding the spring barrel, a vane in the channel being secured to said spring barrel, means for oscillating said spring barrel, a spring for returning said spring barrel to its original position, means arranged within said casing and moveable to different positions to connect said spring barrel with either end of said spring, and means for regulating the tension of said spring.

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2,121,815
**AUTOMOBILE**
Willard L. Morrison, Lake Forest, Ill.
Application December 7, 1933, Serial No. 701,351
10 Claims. (Cl. 296—1)

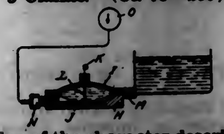


9. A rear view device for automobiles comprising a single rear view mirror located within the interior of the body, a rear vision window located as a unit above the roof of the automobile and in a position forward of and easily seen and reached by the driver, said view obtained from under the lower edge of the rear vision window and back through said window by means of the single rear view mirror, said rearward window being close to said single rear view mirror to effect a wide angle vision of the view behind the automobile, said view being over the roof of the automobile.



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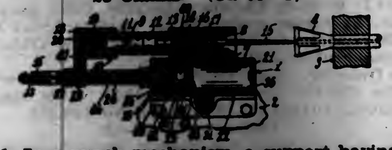
2,121,816
**RELAY FOR FUEL GAUGES**
Henri Mertier, Clichy, France
Application March 7, 1936, Serial No. 67,728
In France March 11, 1935
3 Claims. (Cl. 73—299)



1. In a relay of the character described, adapted to be positioned in existing pipe lines intermediate a tank containing fluid whose pressure is to be measured and a pressure gauge, which relay includes a diaphragm one side of which is adapted to be placed in communication with pressure from the tank and the other side is adapted to be placed in communication with the gauge, and means for initially locating the position of the diaphragm preparatory to using the relay, said means comprising means in the connection to the gauge for temporarily opening the line to atmosphere, and means manually operable from the tank side of the diaphragm for setting the diaphragm.

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2,121,817
**PUNCH MECHANISM**
Paul H. Nast, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application December 3, 1934, Serial No. 755,728
25 Claims. (Cl. 76—5)

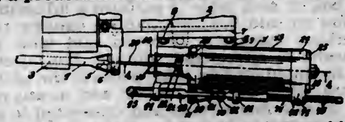


1. In a punch mechanism, a support having a guide, a hammer mechanism slidable on said guide for driving a punch pin with a hammering action into a drill steel bore, means for feeding said hammer mechanism forwardly on its guide, and means for effecting automatic reversal of said feeding means when the punch pin has been driven into the drill steel bore a predetermined distance, said automatic means including means adjustable at will for varying the distance the punch pin may be driven into the drill steel bore prior to such reversal.

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2,121,818
**PUNCHING MECHANISM**
Paul H. Nast, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application December 3, 1934, Serial No. 755,730
14 Claims. (Cl. 76—5)

1. In a punching mechanism, a guide, a hammer mechanism mounted on said guide for movement therealong and having reversible hammering means for driving with a hammering action a punch pin into and out of the work, means for feeding said hammer mechanism forwardly and rearwardly along said guide, means for effecting operation of said hammer mechanism during both forward and reverse feeding movements thereof, and mechanically actuated means for automatically reversing the direction of feed when said hammer mechanism has been fed in one direction a predetermined distance including an abut-



ment mounted exteriorly of and movable with said hammer mechanism, and a reversing control element supported against bodily movement with respect to said guide and having operating means engageable and actuated by said abutment.

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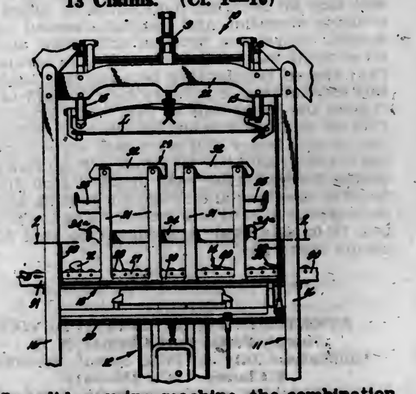
2,121,819
**VIBRATION DAMPER**
John S. Oles, Detroit, Mich.
Application January 22, 1934, Serial No. 707,779
Renewed June 1, 1936
19 Claims. (Cl. 64—27)



1. A vibration damper construction comprising a hub member, a plate member, telescoping sleeves each of a phenolic condensation product, one end of one sleeve being connected in driving relation with the plate and the adjacent end of the other sleeve being connected in driving relation with the hub element, and means interconnecting the opposite ends of the sleeves.

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2,121,820
**BOX EJECTOR**
Gerald C. Paxton, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware
Application September 24, 1935, Serial No. 41,895
13 Claims. (Cl. 1—10)



1. In a lid securing machine, the combination of: a horizontal table for supporting a loaded

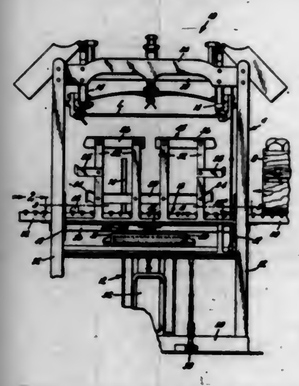
box; idle conveyor rollers provided on said table to support and facilitate rapid movement of said box over said table; means adapted to cooperate with said table when in superimposed contact with a box on said table to perform a lid securing operation on said box; mechanism causing relative vertical movement between said table and said means to effect said contact; box ejecting means mounted on said table beneath the path of a box travelling over said table; and means controlled by said mechanism and connected to said ejecting means to move the latter to engage a rear face of said box, said ejecting means quickly expelling said box from said machine after the performance of said lid securing operation.

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**2,121,821**
**BOX EJECTOR**

Hale Paxton, Santa Ana, Calif., assignor, by mesne assignments, to Feed Machinery Corporation, a corporation of Delaware

Application September 30, 1935, Serial No. 42,750
8 Claims. (Cl. 1—10)



1. In a machine for securing a lid on a packed box, the combination of: a supporting structure; a table on said structure for receiving and supporting a box; lid securing mechanism on said structure above said table; power means causing relative vertical movement between said table and said lid securing mechanism to effect a lid securing operation and causing a second relative vertical movement between said table and said lid securing mechanism to restore the normal vertical spaced relationship between said table and said mechanism; a primary stop on said table to engage the front end of said box; a secondary stop on said table to engage the rear end of said box, said primary and secondary stops cooperating to center said box longitudinally on said table; means for removing said primary stop from in front of said box; and means for moving said secondary stop toward said primary stop to eject said box from said table subsequent to said lid securing operation.

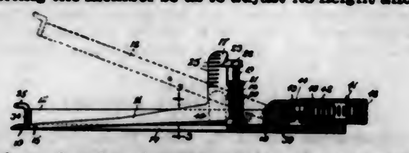
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**2,121,822**
**STRETCHING AND FITTING DEVICE**

Joseph Petty, Port Chester, N. Y.

Application July 6, 1936, Serial No. 89,149
8 Claims. (Cl. 223—61)

1. A stretching and fitting device comprising a relatively thin elongated member pivotally mounted adjacent one end, means for pivotally shifting the member so as to adjust its height and



a clamp for clamping the article to be stretched over and around said member.

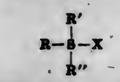
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**2,121,823**
**MANUFACTURE OF SULPHONIUM COMPOUNDS**

Henry Alfred Piggott, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application June 22, 1935, Serial No. 28,013. In Great Britain June 29, 1934
11 Claims. (Cl. 260—99.12)

1. A sulphonium compound having the general formula:



in which R stands for a group which contains an aliphatic radical having a chain of twelve or more carbon atoms; R' denotes an alkyl group; R'' represents a radical containing from one to eight carbon atoms selected from the category consisting of alkyl radicals, aralkyl radicals, and alicyclic radicals; and X stands for an anion.

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**2,121,824**
**LUBRICANTS**

Carl F. Prutton, Cleveland Heights, Ohio, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware

No Drawing. Continuation of application Serial No. 760,038, December 31, 1934. This application August 11, 1937, Serial No. 158,531
7 Claims. (Cl. 87—9)

1. A lubricating composition containing as a principal lubricating constituent a major amount of mineral lubricating oil with the properties of such composition affecting its use as a lubricant improved by incorporating therein a minor amount, based on the amount of mineral oil, of a compound containing a substantial amount of halogen which compound is a halogenated alkylated aromatic compound.

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**2,121,825**
**LUBRICANTS**

Carl F. Prutton, Cleveland, Ohio, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application December 31, 1934, Serial No. 760,038. Renewed August 12, 1937
1 Claim. (Cl. 87—9)

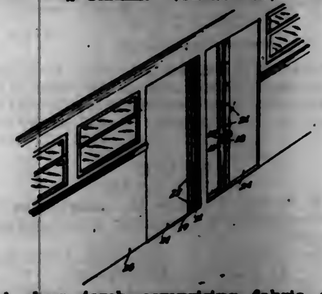
A lubricating composition containing as a principal lubricating constituent a major amount of mineral lubricating oil with the properties of such composition affecting its use as a lubricant improved by incorporating therein a minor amount, based on the amount of mineral oil, of a compound containing a substantial amount of halogen, which compound is a halogenated alkylated toluene.



**2,121,826**
**DOOR JAMB**

Dudley Roberts, New York, N. Y., assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware

Application October 2, 1935, Serial No. 43,133
2 Claims. (Cl. 20—69)



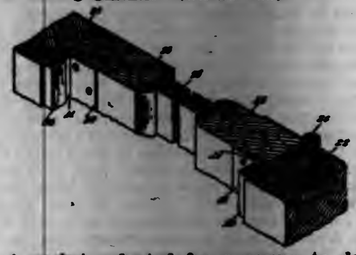
1. A door jamb comprising fabric securing means, soft closed cell gas expanded rubber positioned in adhesive contact with said fabric securing means, the soft closed cell gas expanded rubber constituting the working face of the door jamb.

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**2,121,827**
**STRIPPING**

Dudley Roberts, New York, N. Y., assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware

Application October 7, 1935, Serial No. 43,868
3 Claims. (Cl. 20—69)



1. A gasket, adapted for exposure to deleterious weathering influences, comprising a fabric strip and closed cell gas expanded rubber secured thereon, said closed cell gas expanded rubber containing a multiplicity of small sealed cells of inert gas throughout its mass.

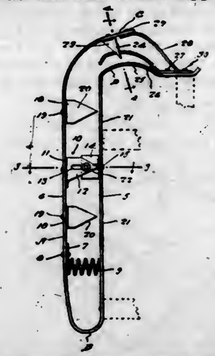
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**2,121,828**
**ANIMAL RESTRAINER**

Frank Sacker, Monroe, Wis., assignor of seventy-five percent to Adam Marty and twenty-five percent to H. J. Lambeley, both of Monroe, Wis.

Application December 19, 1936, Serial No. 116,788
1 Claim. (Cl. 119—142)

A restraining device of the character described comprising an elongated strip spring substantially to provide parallel spaced front and rear portions, the front portion being provided with rearwardly extending prong members, the rear portion being provided with slots through which the said prong members can project when the front portion is urged toward the rear portion, the ends of the front and rear portions extending upwardly and curved rearwardly the end of the rear portion extending beyond the end of the front portion a flexible strap connection between the free end thereof, and a strip spring and buffer secured at one end to the upper end portion



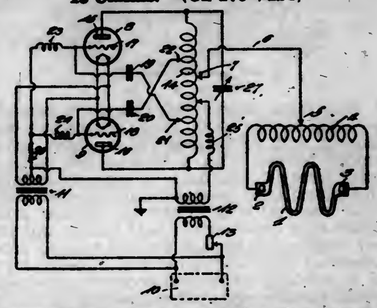
of the rear portion and projecting toward the front portion end of back and being normally spaced from the front portion, said spring being positioned between a pair of the prongs to guide the prongs to said slots.

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**2,121,829**
**ADVERTISING SIGN**

Richard H. Seaman, Los Angeles, and Carl A. Schwenden, Alhambra, Calif., assignors, by direct and mesne assignments, of forty percent to said Seaman, forty percent to Walter T. Wells, Glendale, Calif., and twenty percent to Lloyd Spencer, Los Angeles, Calif.

Application October 5, 1935, Serial No. 43,742
15 Claims. (Cl. 176—124)



1. A glow discharge advertising sign connected across a coil which is energized by a unipolar connection at a suitable position on the coil from an oscillating source in such a way as to successively draw a predetermined pattern by means of a movable ionization glow, the circuit through said coil being completed through the capacity effect of the glow discharge sign with respect to ground.

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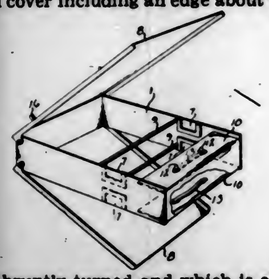
**2,121,830**
**PORTABLE REGISTERING DEVICE**

John Q. Sherman and Ardath A. Gopperton, Dayton, Ohio; said Ardath A. Gopperton assignor to said John Q. Sherman

Application August 27, 1934, Serial No. 741,579
28 Claims. (Cl. 282—12)

1. A strip dispensing apparatus wherein a strip of record material apertured at spaced intervals

and reversely folded into zigzag formation is intermittently advanced from a source of supply to a writing position and temporarily arrested in each advance position thereof, a box-like receptacle for a packet of such folded strip material, a cover for the receptacle forming a writing tablet over which withdrawn portions of the strips are to be reversely folded into writing position, said cover including an edge about which the



strip is abruptly turned and which is engageable in a fold thereof to locate a congruous withdrawn portion of the strip in writing position on the cover and a spring pressed plunger located interiorly of the receptacle and automatically engageable in successive perforations of the strip to arrest the withdrawal thereof, and arranged to be disengageable therefrom preparatory to further advancement of the strip under influence of pulling tension on the strip.

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**2,121,831**

**TOOL-ACTUATING APPARATUS**

**Ruth D. Simmons, Los Angeles, Calif.**

**Application September 4, 1936, Serial No. 99,343**

**9 Claims. (Cl. 74—57)**



1. Apparatus of the class described, consisting of a casing having a cylindrical chamber, a barrel rotatively and reciprocatively mounted in said chamber formed with a tool-holding stem extending from said casing, said barrel being formed with a plurality of longitudinally directed aligned slots of unequal lengths and an annular groove, a spline-stud connected to said casing and selectively engageable in said slots or in said groove, a rotatively mounted cylindrical impeller formed with a plurality of circumferential cam-slots of unequal pitch-lengths corresponding to said barrel-slots, respectively, and a communicating channel connecting said cam-slots, a key-stud connected to said barrel and engageable in said cam-slots or said channel selectively, a power-actuated shaft, and clutch-devices between said shaft and said impeller to impart reciprocatory or rotary motion to said barrel.

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**2,121,832**

**MECHANISM FOR AND METHOD OF RIFLING GUN BARRELS**

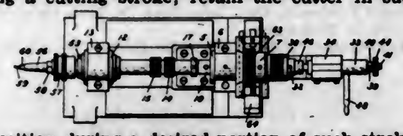
**Clarence E. Simpson, Springfield, Mass.**

**Application February 24, 1937, Serial No. 127,506**

**6 Claims. (Cl. 90—28.1)**

**(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)**

1. The combination with a rifling machine including a carriage and means for axially rotating a rifling bar, of a rifling bar, a cutter carried by the rifling bar, and mechanism actuated by the bar rotating means to automatically expand the cutter a predetermined amount upon starting a cutting stroke; retain the cutter in such



position during a desired portion of such stroke; gradually expand the cutter during another portion of the stroke; and maintain a uniform depth of cut during the remainder of said stroke.

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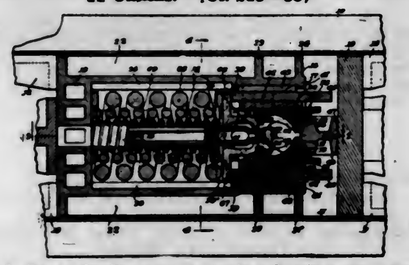
**2,121,833**

**DRAFT GEAR**

**Donald F. Sproul, Chicago, Ill., assignor to Cardwell-Westinghouse Company, a corporation of Delaware**

**Application January 4, 1934, Serial No. 705,259**

**11 Claims. (Cl. 213—33)**



1. In a draft gear, a casing having an open end, a group of intercalated stationary and movable friction plates at each side of said casing at its open end, means for fixing certain of said plates to said casing, certain of said plates being tapered forwardly, means for forcing said plates laterally into frictional engagement, said means comprising a thrust wedge member having wedge faces thereon, a friction shoe at each side of said wedge member in engagement with said groups of plates, said shoes having inclined faces thereon at their rear ends and having inclined faces at their forward ends in engagement with said wedge faces, a spring seat in engagement with the rear ends of said movable plates; means on said spring seat having wedging engagement with the inclined faces at the rear end of said shoes, a release element in engagement with said thrust wedge member and extending as a unitary structure through said seat and last-named means, resilient means for resisting the inward movement of said spring seat, resilient means for resisting the inward movement of said thrust wedge member and means including engaging shoulders on said wedge member and casing for limiting the outward movement of said wedge member for limiting the outward movement of said spring seat, said movable plates extending forwardly beyond said casing and said thrust wedge member extending forwardly beyond said movable wedges, when the gear is expanded.

2. In a draft gear, a casing having reinforcing and spring positioning ribs on its inner surface and reinforcing ribs on its outer sides, all of said ribs extending longitudinally of the casing, the ribs on the exterior of said casing at the sides thereof being opposite corresponding ribs on the interior and ribs extending transversely of said casing at the ends thereof for reinforcing the corners of said casing.

3. A spring seat comprising an elongated hollow portion provided with wedge faces on its free end and having laterally extending flanges at its opposite end provided with spring retaining lugs on their faces opposite said hollow portion, said hollow portion having aligned axial openings in its base and in the portion between said wedge faces through which a release element is adapted to extend.



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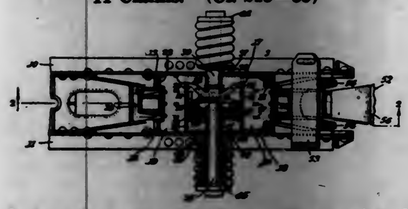
**2,121,834**

**SELECTIVE TRAVEL DRAFT GEAR**

**Donald F. Sproul, Chicago, Ill., assignor to Cardwell-Westinghouse Company, a corporation of Delaware**

**Application July 19, 1934, Serial No. 736,002**

**11 Claims. (Cl. 213—38)**



2. In a draft gear, a follower casing having the interior of its top and bottom walls provided with angular slots arranged in reverse order, duplicate wedge members each having its wedging faces at different angles, each of said wedge members having a projection on one end for interchangeably engaging said slots whereby said slots determine the position of said wedge members and thereby prevent the improper assembling of said wedge members in said casing.

6. In a draft gear, a pair of follower means, wedge friction mechanism between said follower means, resilient elements for resisting the compression of said mechanism, said means engaging certain portions of said mechanism for forming a solid column on compression of the gear for limiting the travel of the gear in one direction, and means at one end of said gear cooperating with one of said follower means at the opposite end of the gear to form a solid column for limiting the travel of said gear in the other direction, the last named travel of the gear being a greater distance than that of the first named.

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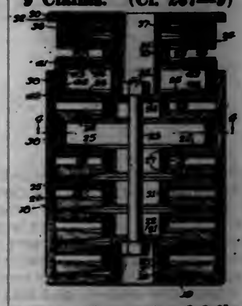
**2,121,835**

**BOLSTER SPRING UNIT**

**Donald F. Sproul, Chicago, Ill., assignor to Cardwell-Westinghouse Company, a corporation of Delaware**

**Application January 14, 1937, Serial No. 120,564**

**9 Claims. (Cl. 267—9)**



1. In a spring unit, a pair of followers, a plurality of resilient disk members between said followers, certain of said members being arranged in pairs, and means having a wedging engagement with the peripheral portion of certain of said resilient disk members for frictionally engaging the interior of one of said followers when said unit is compressed.

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**2,121,836**

**WEARING APPAREL**

**Alfred J. Steinberger, Jamaica, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware**

**Application December 4, 1935, Serial No. 52,774**

**4 Claims. (Cl. 2—93)**



1. A coat comprising an outer material and having a stiffened front structure, said front structure comprising a stiffening of thermoplastic material at least locally coalesced to the outer material of the garment.

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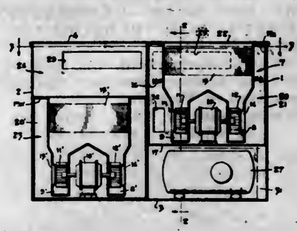
**2,121,837**

**AIR CONDITIONING APPARATUS**

**Hans K. Steinfeld, Aldan, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware**

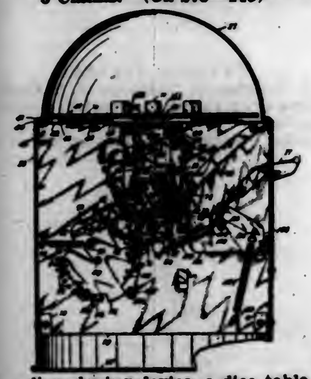
**Application June 1, 1936, Serial No. 82,857**

**7 Claims. (Cl. 62—129)**



1. A room cooler unit comprising, in combination, a cabinet having a plurality of compartments, self-contained heat exchange and blower sub-units adapted to be bodily inserted in said compartments, means whereby the heat exchangers of said sub-units comprise complementary elements of a refrigerating system, and means whereby room air is circulated over the heat exchange element of one of said sub-units and outside air is circulated over the heat exchange element of the other sub-unit.

2,121,838
**SOUND OPERATED DICE MACHINE**
David H. Stewart, Los Angeles, Calif., assignor to Stanley Johnston, Pittsburgh, Pa.
Application July 1, 1937, Serial No. 151,474
8 Claims. (Cl. 272—145)

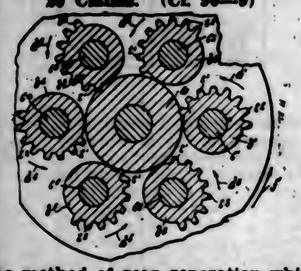


1. In a dice playing device, a dice-table, a plurality of dice freely positioned thereon, means to resiliently support said dice-table and sound actuated means to jar said dice-table.

2,121,839
**PROCESS OF MANUFACTURING POLYMERIZATION PRODUCTS**
Daniel E. Strain, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 26, 1933, Serial No. 668,080. Renewed October 1, 1937
7 Claims. (Cl. 260—2)

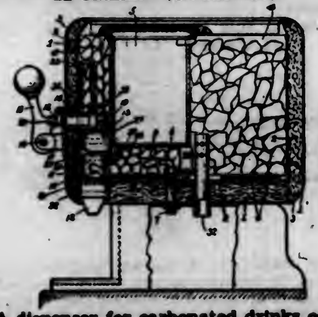
6. A process for the manufacture of polymeric methyl methacrylate as a light fluffy powder which includes the steps of subjecting monomeric methyl methacrylate to polymerizing conditions while dissolved in a water-methanol solvent (the amount of monomer being not more than 22% by volume of the total liquid), thereby precipitating polymeric methyl methacrylate in pulverulent form, thereafter separating the polymer from the bulk of the liquid and removing from the polymer the monomer adhering thereto.

2,121,840
**METHOD OF GEAR GENERATION AND APPARATUS FOR PERFORMING SUCH METHOD**
Everard Stubbs, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application June 26, 1935, Serial No. 28,435
20 Claims. (Cl. 90—9)



3. The method of gear generation which consists in operating simultaneously on a single gear blank by means of a plurality of cutters of the gear shaper type, each having a number of teeth sufficient to generate a fraction of the whole number of teeth to be cut in the work.

2,121,841
**DISPENSER FOR CARBONATED DRINKS**
Frederick H. Tweed, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application May 23, 1935, Serial No. 22,995
11 Claims. (Cl. 225—28)



4. A dispenser for carbonated drinks comprising a cooling container, a syrup receptacle for syrup located within said container, a mixing chamber supported in said container, two separated supporting members connected with said syrup receptacle, said supporting members being connected with said mixing chamber, the two separated supporting members and the mixing chamber being in alinement.

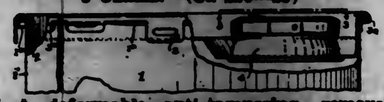
2,121,842
**CONTAINER**
Harold Gar Vaughn, Warren, Ohio, assignor to The Ohio Corrugating Company, Warren, Ohio, a corporation of Ohio
Application August 20, 1936, Serial No. 97,029
5 Claims. (Cl. 220—61)



1. A resilient split ring of substantially channel shape in cross section for engaging circumferential portions of a container and its cover, in combination with means for contracting said ring, including a lever pivoted at its inner end to one end portion of said ring and a link pivotally connected intermediate its end to said lever intermediate the ends of the latter, one end of said link being arranged to detachably engage the other end portion of the ring, the other end of said link being extended substantially longitudinally beyond its pivot for engagement with an abutment, when the lever is in operated position to prevent movement of the link about its pivot, whereby disengagement of the link from said other end portion of the ring is prevented.



2,121,843
**SEALING MEANS**
Harold Gar Vaughn, Warren, Ohio, assignor to The Ohio Corrugating Company, Warren, Ohio, a corporation of Ohio
Application August 20, 1936, Serial No. 97,061
5 Claims. (Cl. 220—39)



1. A deformable anti-tampering, removable sealing member adapted to be positioned over the closure for a container opening, formed of thin sheet metal and comprising a top portion and a skirt, the marginal portion of the skirt being formed in its circumference with spaced slots extending inwardly from the free edge of said marginal portion to provide between them crimping tabs, the free ends of said tabs being beaded and said tabs being bendable inwardly substantially along imaginary lines connecting the inner ends of said slots.

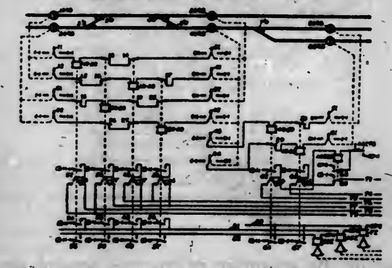
2,121,844
**COMPOSITION AND PROCESS OF MAKING SAME**
Andrew Weisenburg, Philadelphia, Pa., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
No Drawing. Application November 22, 1930, Serial No. 497,615. Renewed June 18, 1937
5 Claims. (Cl. 134—36)

2. A binder solution for application to the surfaces of comminuted cork to form a body mass of loose, non-adherent, unsured, binder coated cork particles, said solution comprising a mixture of a phenol aldehyde condensation product and a urea aldehyde condensation product, each said product in an intermediate stage and in solution in a solvent consisting of a plasticiser selected from a group consisting of diethylene-glycol and glycerine.

2,121,845
**PROCESS FOR PRODUCING CLEAR LIGHT-COLORED, WATER-SOLUBLE SULPHONATION PRODUCTS OF MINERAL OIL**
Erich Arnold Werdelin, Hamburg, Germany
No Drawing. Application January 9, 1934, Serial No. 705,913. In Germany January 11, 1933
5 Claims. (Cl. 196—40)

1. A process for producing clear, light-colored, water-soluble sulphonation products of mineral oils naturally containing more than two per cent of organically combined sulphur, without substantially impairing such natural organically combined sulphur content, which comprises selectively separating out of such oils the inherent resinifiable materials by treatment with a mineral acid of the group consisting of sulphuric acid and phosphoric acid, the concentration of said refining acid being adjusted substantially within the range of 50 to 70 percent for sulphuric acid, according to the quality of the oil treated; subsequently carefully sulphonating the treated oils at greatly reduced temperatures of about 0° C. and less with concentrated sulphuric acid; thereafter dissolving out the soluble portion of the sulphur-rich sulphonation products thus obtained in water and neutralizing the solution.

2,121,846
**INTERLOCKING SYSTEM FOR RAILROADS**
Sedgwick N. Wight, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application April 21, 1934, Serial No. 721,696
45 Claims. (Cl. 246—134)

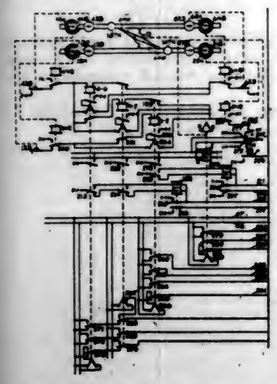


11. In an interlocking system for railroads, a track layout having a plurality of tracks interconnected by a plurality of track switches to form a plurality of different routes, a plurality of signals for governing traffic through said track layout, a miniature track diagram corresponding to said track layout, a manually operated button on said track diagram for each of said signals and in corresponding positions, contacts operated by each of said buttons, a route circuit for each of said routes through said track layout and normally open at two points only and closed by those of said contacts which are operated by the buttons which correspond to the two opposite ends of such route, a route relay included in each of said route circuits, said route relay for any given route being energized only if both of the buttons for the ends of that route are operated to close the corresponding route circuit, switch operating means controlled by each route relay for operating each of said track switches included in its route to a position proper for establishing such route, signal control means controlled by each of said route relays for clearing that one of said signals governing traffic over such route corresponding to that route relay, and means requiring such switches for a route to respond to their respective switch operating means before said signal control means for that route can be effective.

2,121,847
**INTERLOCKING SYSTEM FOR RAILROADS**
Sedgwick N. Wight, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 18, 1936, Serial No. 91,322
30 Claims. (Cl. 246—134)

1. In a centralized traffic controlling system for railroads, a track layout containing a plurality of track switches operable to normal and reverse positions to form a plurality of routes, signals for governing traffic over said routes, a code type communication system connecting a control office with said track layout, control buttons in said control office designating the ends of said routes through said track layout, means responsive to the joint operation of the control buttons for the opposite ends of any route for

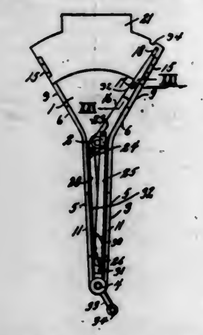
transmitting a distinctive code over said communication system, and means at the track layout responsive to each distinctive code for controlling all of the track switches to proper normal and/or reverse positions for the route se-



lected by the operation of the two control buttons which caused the transmission of that code and for controlling its governing signal to a cleared condition after the operation of said switches in such selected route.

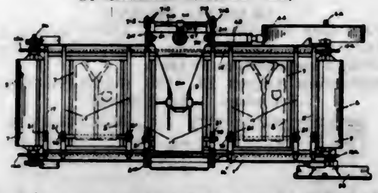
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**2,121,848**
**INDICATOR**
**Alfred G. Winters, Flint, Mich.**
**Application July 8, 1935, Serial No. 30,350**
**7 Claims. (Cl. 33—172)**



1. An indicating instrument comprising a main frame, an indicator mounted thereby including a pointer lever, a pivotal mounting for the lever in the frame, a throw-multiplying actuator for the pointer lever embodying a contactor lever, a fulcrum mounting for the contactor lever remote from the pointer lever pivotal mounting, a pair of arm means between the levers having common pivotal connection to the contactor lever on the side of its fulcrum toward the pointer lever, said arm means each having transmission means in position for engagement with one of said levers away from the pivotal mounting and fulcrum, the transmission engagement means for one arm being effective in one direction of contactor movement and the means for the other arm being effective in the opposite direction of contactor movement.

**2,121,849**
**GARMENT PRESSER**
**Carl T. Allme, Meadville, Pa., assignor to Spaide Shirt Company, a corporation of Pennsylvania**
**Application August 19, 1935, Serial No. 36,816**
**Renewed June 22, 1937**
**10 Claims. (Cl. 38—10)**

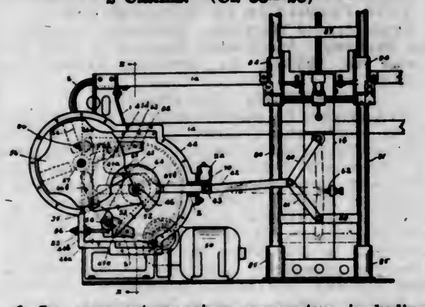


1. In an automatic pressing machine including a pressing head, means for advancing articles to be pressed to a position of registry with said head, and a driving motor; the combination of driving mechanism including an element movable in opposite directions for raising and lowering said head, a continuously rotating member, and a clutch device automatically shifted between engaged and disengaged positions for intermittently connecting said continuously rotating member with said element, whereby such element is alternately shifted in opposite directions, as described.

4. In a pressing machine including a pressing head and an endless conveyor for carrying work to position beneath said head, the combination of mechanism for automatically operating said machine, said mechanism including a continuously rotating shaft, a mechanical linkage including a reciprocable element for raising and lowering said head, a mechanical linkage including a rotary element for advancing said conveyor, and means carried by said continuously rotating shaft for intermittently engaging said reciprocable element and said rotary element in predetermined coordination, whereby said mechanical linkages are severally operated to effect the travel of said conveyor in desired synchronism with the raising and lowering of said head.

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**2,121,850**
**GARMENT PRESSER**
**Carl T. Allme, Meadville, Pa., assignor to Spaide Shirt Company, a corporation of Pennsylvania**
**Application July 23, 1936, Serial No. 92,121**
**2 Claims. (Cl. 38—28)**
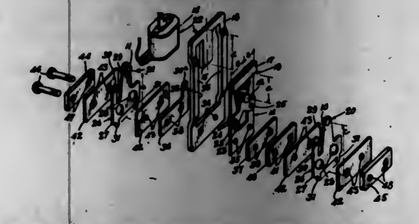


1. In garment-pressing apparatus including a pressing head, a garment-supporting surface, and means for intermittently moving said head into pressing position on said surface and main-



taining it in such position for a sufficient interval of time, said means including a reciprocating head-moving member, a rotary member, an element carried by said rotary member and adapted to be extended and retracted relatively to said rotary member for engagement with said reciprocating member, and a pair of cam-blocks arranged in arcuately spaced relation for effecting the extension of said element, one of said cam-blocks being mounted for movement in an arcuate path substantially parallel to the path through which said element is moved by said rotary member, the combination of means for adjusting said last-named cam-block in said arcuate path relatively to the other of said cam-blocks, whereby the point at which said element is extended in the circular sweep of the rotary member may be varied and the interval of time between successive extensions of the element may be regulated, to control the operation of the pressing head, as described.

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**2,121,851**
**METHOD OF MAKING AND ASSEMBLING LAMINATED STRUCTURES AND APPARATUS THEREFOR**
**Edward L. Barrett, La Grange, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois**
**Application July 6, 1936, Serial No. 89,051**
**19 Claims. (Cl. 29—155.5)**

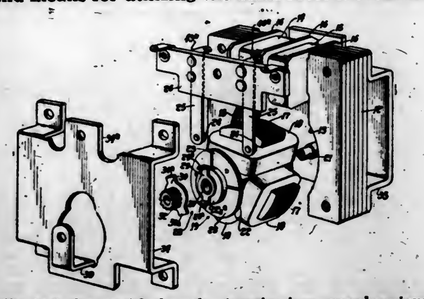


1. The method of assembling a laminated structure such as a vibratory motor, including laminations having apertures in corresponding portions thereof, which comprises, stringing the laminations in superposed relation and predetermined order on an assembly pin or the like inserted through the apertures therein, guiding the superposed laminations approximately into their proper relative positions in the assembly, moving the opposed portions of a plurality of the laminations lying in a generally common plane into abutment with the opposite sides of a gauge to space the same accurately, and securing the laminations fixedly together.

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**2,121,852**
**ELECTRIC MOTOR**
**Edward L. Barrett, La Grange, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois**
**Application December 24, 1937, Serial No. 181,536**
**12 Claims. (Cl. 172—36)**

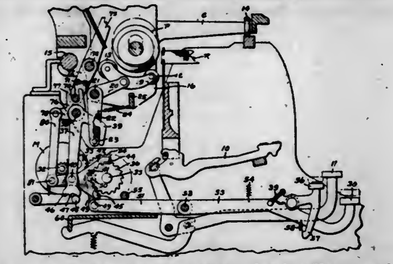
1. In an electric motor, the combination of a stator and a rotor, means supporting said rotor for limited axial movement as well as for rotational movement, the magnetic attraction between said stator and rotor serving to pull said rotor axially substantially into alinement with said stator when said motor is in operation, a disk-shaped commutator fast on said rotor and provided with segments of conducting material mounted in insulated relation on the outer end-face thereof, a stationary brush contacting said segments on said commutator, a brush tensioning mechanism resiliently urging said brush against said commutator end-face segments with a force applied generally axially of said rotor for not only maintaining said brush in engagement with said segments but also for yieldably urging said rotor to a position axially offset from said stator, and means for utilizing the axial rotor movement



effected by said brush tensioning mechanism upon deenergization of said motor to automatically disconnect the same from an associated load, said last named means including a disengageable clutch operable in response to axial movement of said rotor.

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**2,121,853**
**TYPEWRITER**
**Raymond G. Bower, Bloomfield Hills, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan**
**Application December 4, 1936, Serial No. 114,153**
**22 Claims. (Cl. 197—138)**



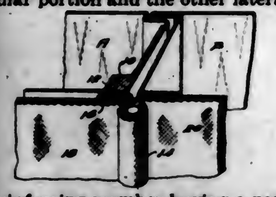
1. In a typewriter, a platen, feed rolls movable toward and from the platen, power means, mechanism operatively engaged with said feed rolls for moving the latter toward and from said platen, and means operable at will for connecting said power means to said mechanism for actuating the latter to move said feed rolls away from and toward said platen.

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**2,121,854**
**WEATHERSTRIP**
**Carl Breer, Grosse Pointe Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware**
**Application March 30, 1936, Serial No. 71,619**
**1 Claim. (Cl. 20—69)**

A weatherstrip comprising a continuous strip of pliable material having a hollow tubular portion and an integral flat portion extending radially from the outer side of said tubular portion, a reinforcing member in said flat portion and in only a part of the wall of said tubular portion to render one side of said tubular portion more rigid than its opposite side, said reinforcing member being formed from a continuous resilient wire having reversely bent portions forming a plurality of spaced substantially parallel ribs ex-

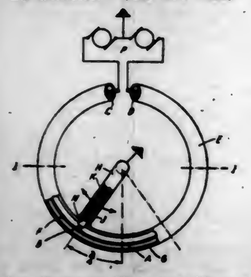
tending transversely of said reinforcing member and in alignment longitudinally thereof, a lateral portion of said reinforcing member having a part of each rib curved and conforming to the curvature of the reinforced part of the wall of said tubular portion and the other lateral portion



of said reinforcing member having a part of each rib in a common plane substantially radial to the curved part of the ribs, said reinforcing member being entirely embedded in said pliable material with the flat portion of said reinforcing member in the flat portion of said pliable material and the curved portion of said reinforcing member in only the reinforced part of the wall of said tubular portion to form one side of said tubular portion relatively more rigid than the other side thereof, and a fabric covering over said tubular portion and the flat portion of said pliable material.

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**2,121,855**
**COUPLING HIGH-FREQUENCY APPARATUS**
**Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany**
**Application August 10, 1935, Serial No. 35,598**
**In Germany July 5, 1934**
**13 Claims. (Cl. 178—44)**

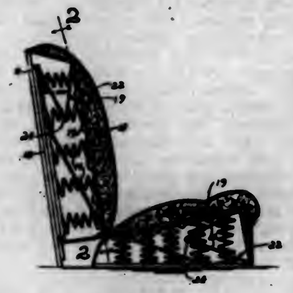


1. A device for coupling together a high frequency transmission line which is unsymmetrical with respect to ground potential and another high frequency transmission line which is symmetrical, said device comprising a ring-like outer conductor and a ring-like inner conductor whose electrical length is an odd multiple of a half wavelength, each conductor being concentrically arranged with respect to each other, a variable connection arranged to make contact with the inner conductor whereby the unsymmetrical portion of the line is altered.

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**2,121,856**
**SEAT CONSTRUCTION**
**Harry A. Campbell and George H. Vinette, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware**
**Application April 15, 1935, Serial No. 16,280**
**2 Claims. (Cl. 155—179)**

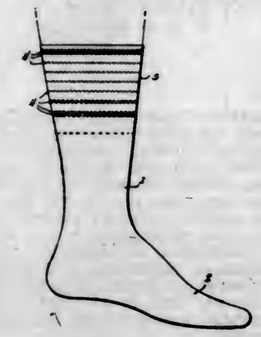
1. A resilient cushion unit including spaced frame structures, a plurality of adjacent rows of resilient members interposed between said frame structures, and flexible tying strips between adjacent rows of resilient members having opposite edge portions secured to corresponding re-



silient members of adjacent rows and said opposite edge portions of said tying strips being secured together intermediate their points of attachment to said resilient members.

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**2,121,857**
**HOSIERY**
**Russell W. Carley, Wauwatosa, Wis., assignor to Phoenix Hosiery Company, Milwaukee, Wis., a corporation of Wisconsin**
**Application July 15, 1935, Serial No. 31,439**
**8 Claims. (Cl. 66—172)**



1. A stocking having a knitted top or welt and elastic yarns incorporated in the top or welt and extending circumferentially thereof, said yarns being arranged in groups spaced along the length of the top or welt in selected of the courses thereof, the terminal groups adjacent the upper and the lower ends of the top or welt, each occupying a greater number of courses than any intermediate group whereby the terminal groups when stretched will exert a greater contractile force than an intermediate group.

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**2,121,858**
**EXCAVATING AND PROSPECTING TOOL**
**Fred C. Chew, Grand Island, Nebr.**
**Application September 9, 1937, Serial No. 163,041**
**7 Claims. (Cl. 255—24)**

1. In combination, a pipe and means for holding said pipe against rotation, a casing surrounding said pipe and spaced therefrom, said casing being rotatable about said pipe, a cutting bit at the lower extremity of said casing, said cutting bit being frustoconical and having an opening in the lower extremity thereof, a plurality of spaced apart cutting ribs at the sides of said cutting bit and having slotted apertures therebetween, a second bit member at the lower



extremity of said pipe and seated within said cutting bit and terminating above the lower extremity of said cutting bit, said cutting bit being rotatable about said second bit member, means for forcing water downwardly through the space between said casing and said pipe, and suction means for drawing the water and suspended soil particles from beneath said second bit member upwardly through said pipe.

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**2,121,859**
**CORN HARVESTER**
**Dugald Currie and Donald Currie, Odebolt, Iowa**
**Application December 9, 1936, Serial No. 114,911**
**2 Claims. (Cl. 56—107)**



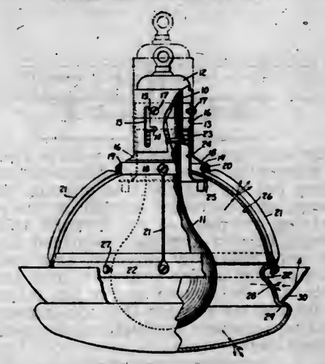
1. In a corn harvester, the combination of a pair of snapping rolls, both rolls being inclined upwardly and rearwardly, their forward ends being in substantially the same horizontal plane and being spaced apart far enough to freely admit between them all of the stalks of an ordinary "hill" of corn, one of said rolls being inclined relative to the other so that its rear end is substantially directly above the other roll and so close thereto that both rolls will engage a relatively small corn stalk, the forward portions of both rolls being smooth to thereby permit corn stalks, that enter between the rolls in positions in which the stalks between the rolls overlap each other, to readily and easily slide along the rolls to positions in which the stalks are parallel with each other between the rolls, the rear end of the roll which is uppermost being provided with an outwardly projecting spiral rib for gripping corn stalks and forcing them between the rolls, means for rotating the rolls in a direction for forcing corn stalks downwardly between them, snapping bars and means for rotating them in a path to



enter between a corn stalk and an ear thereon when the ear is in position with its butt in engagement with the lower roll and move the ear downwardly and outwardly and snap it from the stalk held between the rolls.

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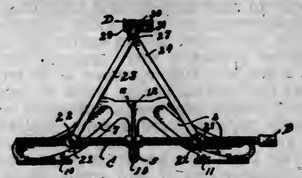
**2,121,860**
**LIGHTING FIXTURE**
**Samuel S. Dasman, New York, N. Y.**
**Application April 13, 1937, Serial No. 136,519**
**2 Claims. (Cl. 240—78)**



1. A lighting fixture comprising a pendant socket, a lamp bulb therein, a socket cover, a plurality of outwardly and downwardly extending arms carried by the socket cover, an annular band carried by the lower ends of the arms, a downwardly and outwardly divergent, diffusing cover member disposed within the arms and band, the band fitting close to the bottom edge of the cover member, threaded means to detachably secure the upper portion of the cover member to the socket cover, the cover member being downwardly removable through the band, a closed bottom light diffusing bowl whose upper edge is received within the band closely adjacent the lower edge of the cover member, and bowl supporting members carried by the band.

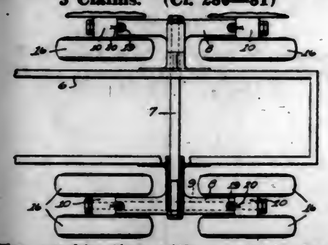
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**2,121,861**
**JACK**
**Arthur Dickerson, Salt Lake City, Utah**
**Application May 19, 1936, Serial No. 80,483**
**5 Claims. (Cl. 254—126)**



2. In a jack, the combination of a platform on which the load is carried; two pairs of coacting pivoted levers mounted to said platform; a reversely threaded screw, opposed threaded screw nuts in which said screw is operated with the lower ends of said levers connected pivotally to said nuts; and a base for said jack made of opposed identical sides having races on the inner sides thereof ascending toward the middle of said base to raise and lower said nuts and levers when the screw is rotated.

2,121,862
**HEAVY DUTY VEHICLE CONSTRUCTION**
Harry B. Dodge, Clintonville, Wis., assignor to The Four Wheel Drive Auto Company, Clintonville, Wis., a corporation of Wisconsin
Application February 25, 1937, Serial No. 127,679
5 Claims. (Cl. 280—81)



1. The combination with a vehicle frame, of frame supporting means providing longitudinally extending bearing members at opposite sides of the frame, axle carriages pivoted on the respective bearing members at the forward and rearward ends thereof and each provided with inwardly and outwardly directed axle elements, wheels mounted on the respective axle elements to receive the distributed load of the frame, and means interacting between the axle carriages and the bearing members for limiting the oscillation of the carriages.

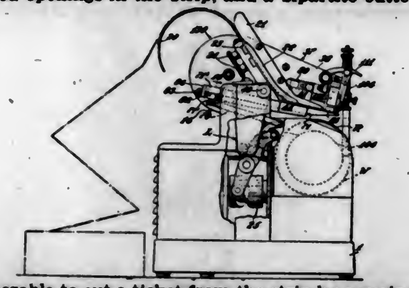
2,121,863
**FAUCET**
Daniel O. Druge and Otto C. Druge, Oakland, Calif.
Application April 29, 1935, Serial No. 18,782
2 Claims. (Cl. 251—115)



1. A faucet comprising, a body portion having a fluid passage therethrough, a partition in said passage having an opening therethrough, a valve mounted in said passage at one side of said partition and movable thereto to stop the fluid flow, a spout mounted in the other of said passages at the other side of said partition and forming a discharge passage in communication therewith, means on said spout and body for retaining the spout in said passage and affording an angular displacement of said spout relative to said body, the inner end of said spout and said partition being provided with opposed annular recesses, a resilient tube clamped at its ends in said recesses and engaging the walls of said body to seal said spout passage in communication with said body passage, and means connecting said spout and valve for causing a displacement of said valve from said partition incident to an angular displacement of said spout relative to said body.

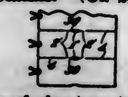
2,121,864
**PRINTING MACHINE**
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application April 13, 1937, Serial No. 136,598
16 Claims. (Cl. 101—288)

1. Printing machine of the class described comprising a frame, a fixed printing portion and a movable printing head including a platen movable toward and away from said printing portion, feeding means on the head to feed successive sections of a ticket strip to printing position between said platen and portion, said means including a reciprocating element to engage successive feed openings in the strip, and a bipartite cutter
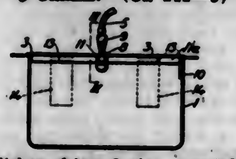


operable to cut a ticket from the strip by severing connecting necks at each side of a feed opening, said cutter being arranged to cut the necks while straddling the reciprocating element when in engagement with a feed opening, and driving mechanism for operating the head, the feeding means and the cutter.

2,121,865
**TICKET STRIP**
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application April 13, 1937, Serial No. 136,599
10 Claims. (Cl. 281—5)



1. Ticket strip of sheet material having a plurality of sections with feed slots extending transversely of the strip therebetween, the sheet material being provided with slits aligned with the slots, adjoining sections being connected by two narrow necks of the material disposed respectively at the ends of a feed slot, certain slots comprising openings with curved end portions having short slit-like extensions at their ends, the slits and slots providing cut edges extending nearly all of the width of the strip between certain sections.

2,121,866
**COVER FOR SINKS PROVIDED WITH SPRINKLING MEANS**
Gunnar Fredriksen, Stockholm, Sweden
Application November 24, 1937, Serial No. 176,153
In Sweden October 20, 1936
5 Claims. (Cl. 141—9)



1. In a dishwashing device a sprinkling nozzle, means to connect said nozzle to a water supply, a removable flat cover for a sink comprising two connected parts separated by a slot, and guide means movable with said nozzle to guide it longitudinally of said slot below said cover, said slot



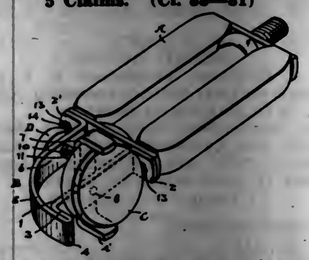
extending to one edge of the cover, whereby the nozzle with said connecting means can be inserted into and removed from said slot sidewise through the said edge of the cover, and the means connecting said two parts of the cover being disposed outside the continuous paths of said nozzle and first mentioned connecting means in their movement through said edge into and along said slot.

2,121,867
**LAND MEASURING INSTRUMENT**
Ebenhard S. Gandrud, Pipestone, Minn.
Application August 20, 1936, Serial No. 96,977
5 Claims. (Cl. 33—141)



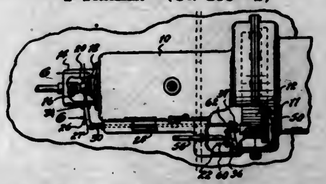
1. In an instrument of the kind described, a staff having a laterally offset yoke, a bar rigidly but detachably secured to said yoke, a spindle secured to said yoke, a ground engaging wheel journaled to said spindle, a register supported by said bar, said wheel having a tappet for operating said register to indicate the distance travelled by the wheel, said wheel being directly journaled to said bar and said bar being rigidly but detachably secured to said yoke.

2,121,868
**REFLECTING SAFETY DEVICE**
Percy Gelder, Willowdale, Ontario, Canada
Application May 28, 1936, Serial No. 82,264
5 Claims. (Cl. 88—81)



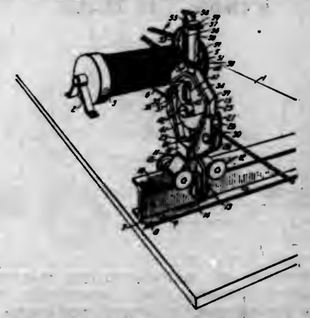
4. A safety signal device for attachment to the outer end of a cycle pedal comprising, a single strip of metal doubled upon itself intermediate of its length to form a protective guard lug adapted to project in the fore and aft direction when the device is in mounted position on a pedal, one portion of said strip being bent abruptly laterally to extend substantially parallel to the pedal axis when the device is mounted, the other portion of the doubled strip being bent for a portion of its length into divergent relation to the aforesaid parallel portion to form a protective guard and having a portion thereof adjacent the end arranged substantially parallel with the first-mentioned parallel portion, said respective portions terminating in attachment lugs adapted to be secured to the pedal structure to support the device in a position projecting well beyond the outer end thereof, said parallel portions forming supports for fore and aft reflectors respectively, and fore and aft reflectors secured respectively to and supported by said parallel portions in substantially parallel planes, said guard lug being positioned beyond the edge farthest from the attachment lugs of the reflector carried by the first-mentioned portion of said metal strip.

2,121,869
**FLYWHEEL BRAKE**
William E. Greenawalt, Dallas, Tex.
Application June 10, 1936, Serial No. 84,494
4 Claims. (Cl. 188—2)



1. In a brake of the character described being confined within a housing for the flywheel of an internal combustion engine, the said brake comprising a shoe member movable by an operating lever through linkage means into contacting and non-contacting positions relative to said flywheel, the said shoe member being an integral part of a lever bar and the said lever bar being pivoted to the housing, a second lever bar secured to the first mentioned lever bar and the second lever bar being pivoted to the housing, a rod member being secured to the second mentioned lever bar opposite the end to which it is secured to the first mentioned lever bar, and the said rod member having the said operating lever secured thereto.

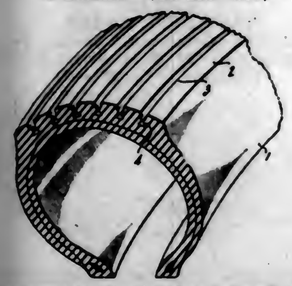
2,121,870
**WEIGHT AND LINE INDICATOR**
Howard H. Greene, Oklahoma City, Okla.
Application March 21, 1932, Serial No. 600,244
1 Claim. (Cl. 242—158)



A traverse for a line wound on a drum, comprising a flanged beam paralleling the drum, a carriage having a pair of flanged wheels at each end thereof for engaging the top of the beam, with their flanges engaging the side edges of the flange of the beam, depending parts at the sides of the carriage between the wheels, flanged rollers carried at the lower ends of said depending parts

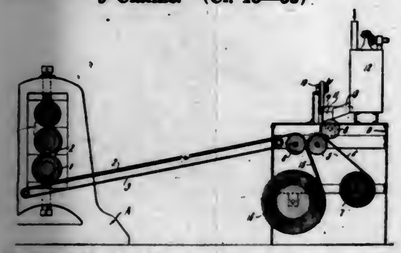
for engaging under portions and edge portions of the beam, an upright frame having its lower end rotatably connected with the carriage for movement about a vertical axis, and guiding means for the line carried by said frame.

2,121,871
TIRE TREAD
Glenn G. Havens, Detroit, Mich., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application July 25, 1935, Serial No. 32,983
3 Claims. (Cl. 152—209)



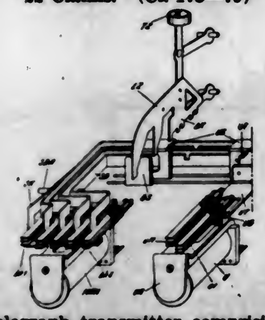
1. A pneumatic tire having a tread comprising a plurality of circumferentially extending traction elements defining grooves, and one or more projections extending laterally from the sides of the traction elements to form restrictions between the openings and the bases of said grooves, said projections being spaced from the bases of the grooves, and the outward principal surfaces of said projections being spaced from the road engaging surfaces of the traction elements a distance substantially equal to the width of said grooves.

2,121,872
MANUFACTURE OF ARTICLES FROM PLASTICS
Eardley Hazell, New York, N. Y., and Alexis W. Keen, Passaic, N. J., assignors to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application May 8, 1936, Serial No. 78,667
9 Claims. (Cl. 18—53)



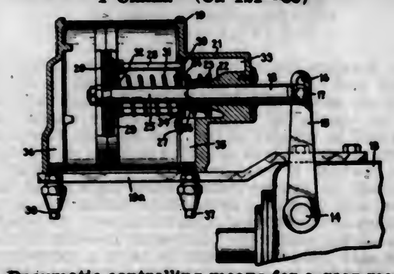
8. A method of manufacturing microporous hard rubber battery plate separators having ribbed or corrugated self-reenforcements which comprises shaping a water-permeated unvulcanized hard rubber composition into sheet form having such reenforcements, applying a coating of an aqueous paste to the ribbed or corrugated surfaces so as to fill the valleys and form an even surface over the sheet, confining the coated sheet so as to keep the coating intact and plying up the sheet associated with the paste coating to form a composite curing assembly, submerging the assembly in water at a suitable temperature to promote further absorption of water by the rubber composition from the paste whereby to swell the rubber sheet, and vulcanizing the rubber under non-evaporative conditions to thereby cause fixation of the microscopic pores therein, and thereafter removing the paste coating.

2,121,873
TELEGRAPH PRINTER
Martin Hebel, Hochenderf-on-Filsensee, and Karl Gundlfinger, Frankfort-on-the-Main, Germany
Application August 18, 1937, Serial No. 159,724
In Germany August 22, 1936
22 Claims. (Cl. 178—79)



1. A telegraph transmitter comprising a plurality of transmitting keys, a plurality of permutation members influenced by said keys, springs acting on said permutation members, a magnet for displacing said permutation members against the action of their springs, a control member displaceable by each of said keys, means for energizing said magnet before each transmission, means controlled by said control means for temporarily putting said magnet out of action on actuation of one of said transmitting keys and means for emitting a train of current impulses determined by the setting of said permutation members.

2,121,874
SERVO-MOTOR
Albert A. Hodgkins, Providence, R. I., assignor to Universal Gear Shift Corporation, New York, N. Y., a corporation of Delaware
Original application April 9, 1931, Serial No. 528,840, now Patent No. 2,023,229, dated December 3, 1935. Divided and this application October 17, 1935, Serial No. 45,495
1 Claim. (Cl. 121—38)



Pneumatic controlling means for a gear mechanism comprising a cylinder, a piston movable

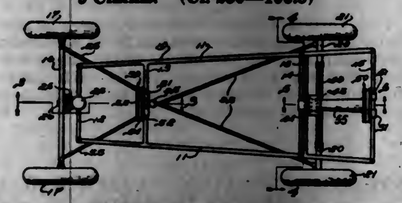


therein, a piston rod connected to the piston and operatively connected with the gear mechanism, a spring surrounding the piston rod within the cylinder, an abutment for the spring mounted at the end thereof adjacent the piston, a second abutment mounted at the other end of the spring, bolts connected with the first named abutment and guided for sliding movement, and means for effecting movement of the first abutment by the piston when it is moved in one direction, means carried with the bolts to limit movement of said first abutment in the opposite direction, means effecting movement of the other abutment by the piston rod when the piston is moved in the other direction, and means to limit movement of said second named abutment in the opposite direction, the movement of said abutments acting to tension the spring to center the piston after its movement in either direction.

2,121,875
PROCESS FOR STERILIZING AND DISINFECTING
Walter Kruse and Maximilian Johann Fischer, Leipzig, Germany, assignors to Curt Angelmi, Leipzig, Germany
No Drawing. Application August 23, 1933, Serial No. 686,426. In Germany June 8, 1929
5 Claims. (Cl. 204—24)

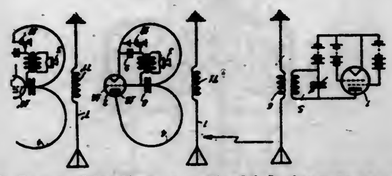
1. A process for the production of oligodynamically active substances in water, on surgical instruments and in the form of concentrated solutions and powder, consisting in obtaining for these purposes oligodynamically active silver by passing an electric current through a dilute chloride-containing electrolyte of a strength of not more than N/20 between an insoluble cathode and a silver-containing anode; the voltage, the concentration of the electrolyte, the superficial area of the electrodes, and the distance apart of the latter from one another being so chosen that current densities of comparatively large magnitude are continuously maintained and low current densities are continuously avoided.

2,121,876
VEHICLE BODY MOUNTING
Roger K. Lee, Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application July 27, 1933, Serial No. 682,360
9 Claims. (Cl. 280—106.5)



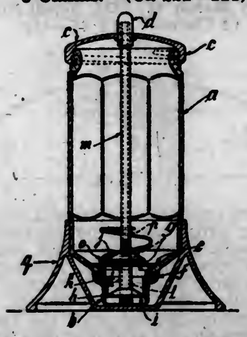
2. In an automotive vehicle, the combination with a body including a frame, of an axle assembly, resilient means for supporting said body relative to said axle assembly while permitting relative rotation of the axle assembly and body, torsional resistance means including a pair of plates each secured to an interposed block of resilient material for resiliently opposing relative rotation of the axle assembly and body, means extending between one of said plates and the ends of the axle assembly for preventing relative rotation therebetween, and means for preventing rotation of the other plate relative to said central longitudinal axis of said frame.

2,121,877
ULTRAHIGH FREQUENCY ELECTRON DISCHARGE MODULATOR
Alfred Aubyn Linsell, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application December 9, 1935, Serial No. 53,522
In Great Britain January 25, 1935
5 Claims. (Cl. 250—6)



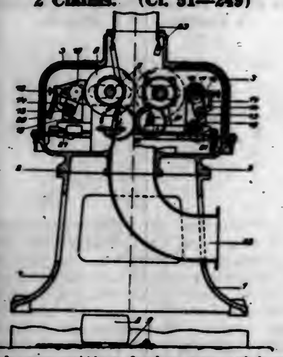
2. In combination, an ultrahigh frequency oscillator, a beam radiator coupled to said oscillator, a conductive member in the path of radiation of said beam radiator and modulating means comprising an electron oscillator including a tube having its electrodes coupled in high frequency oscillatory circuits including an output circuit means for coupling said output circuit to said conductive member in the path of said beam from said beam radiator and means for modulating the potential on an electrode in said electron oscillator to thereby modulate the periodicity of oscillation thereof and the radiation from said beam radiator.

2,121,878
CASTER FOR SUGAR OR OTHER GRANULAR OR POWDERED SUBSTANCES
Maurice Locker, Manchester, England
Application March 18, 1936, Serial No. 69,483
In Great Britain March 30, 1935
3 Claims. (Cl. 221—114)



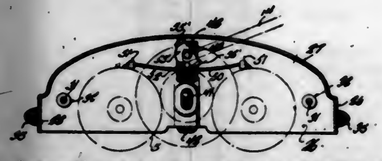
1. A caster comprising a container having a cylindrical outlet passage, an annular inwardly projecting ridge in said passage intermediate of its ends, and a measuring and delivery valve associated with said passage, comprising two valve-like members spaced apart on a rod, and both of equal diameter, just smaller than the internal diameter of the passage, but greater than that of the ridge, said members being spaced apart by a distance less than the length of the passage but greater than the distance from either end of the passage to the side of the ridge furthest from such end, the ridge constituting a stop defining the limit of movement of the valve members in both directions, and so that, in an intermediate position, both the valve-like members are within their respective ends of said passage.

2,121,879
**TOBACCO CUTTING DEVICE**
Valentin Lorentz, Deuschen, near Dresden, Germany, assignor to "Beco" Maschinenfabrik G. m. b. H., Dresden-N., Germany
Application October 11, 1934, Serial No. 747,878
In Germany October 27, 1933
2 Claims. (Cl. 51—249)



1. A tobacco cutting device, comprising a frame, rotary circular knives arranged in the frame and alternately engaging one another, grinding means for the circular knives, means cooperating with the grinding means for drawing off grinding dust and a drive for causing to and fro motion of the grinding means along the knives.

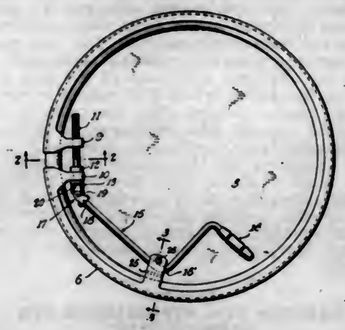
2,121,880
**CARPET SWEEPER**
Swift Miller, Wauwatosa, Wis., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 22, 1934, Serial No. 716,751
12 Claims. (Cl. 15—41)



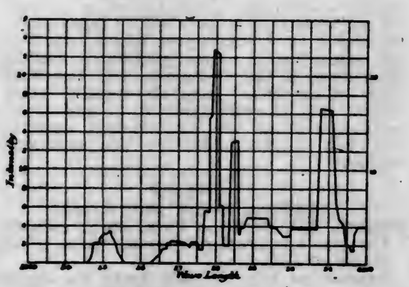
2. A carpet sweeper comprising a wheeled casing, a rotary brush carried by the casing, vertically adjustable slides upon which said brush is mounted for rotation, rotatable members mounted on the casing and interconnected with said slides to control the position thereof, a handle swingably interconnected with the casing, and spaced projections on said members with which said handle is engageable when swung to one side or to the other of the casing to cause the rotatable members to control the raising and lowering of said slides and said brush.

2,121,881
**DEVICE FOR SECURING HEADS TO BARRELS**
Howard L. Newton, Wauwatosa, Wis., assignor to Pressed Steel Tank Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 22, 1936, Serial No. 75,721
5 Claims. (Cl. 220—61)

1. A device for securing a removable head to a barrel comprising a split clamping ring, lugs secured to end portions of the ring and projecting inwardly over the barrel, an operating screw swiveled to one of the lugs and threadedly interconnected with the other, a crank handle, and a universal joint permanently connecting one end of the crank handle to the screw.



2,121,882
**ELECTRODE**
Brian O'Brien, Rochester, N. Y.
Application April 18, 1934, Serial No. 721,241
2 Claims. (Cl. 176—133)

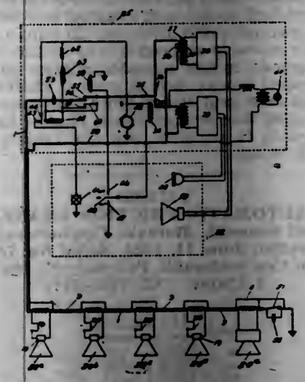


1. A carbon electrode having a core made of a mixture consisting substantially of magnesium, vanadium, and chromium, in which there are at least five parts of vanadium to each part of chromium, and at least five parts of magnesium to each part of vanadium.

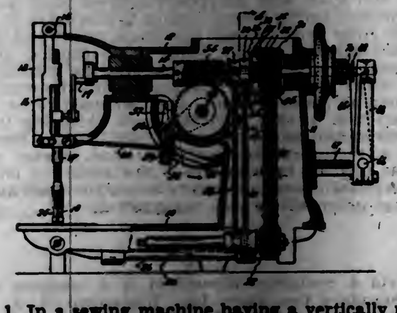
2,121,883
**INTERCOMMUNICATING SYSTEM AND APPARATUS THEREFOR**
Louis W. Parker, Astoria, N. Y., assignor to S. M. Saltzman, New York, N. Y.
Application April 26, 1937, Serial No. 138,894
19 Claims. (Cl. 179—1)

1. A signaling system including a marginal relay, a source of steady D. C. potential in circuit with the winding of said relay, another relay for controlling a shunt around the winding of the marginal relay, and means effective when said shunt is removed to provide a time interval before the current through said winding drops to its steady state value, and means to supply said marginal relay with current during said interval to operate said relay only during said interval, said relay remaining released when originally energized by current of the steady state value.



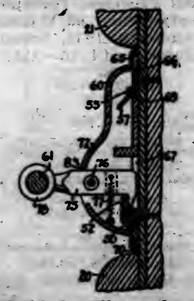


2,121,884
**SEWING MACHINE**
Emil Pramik, Elizabeth, N. J.
Substitute for application Serial No. 580,166, July 13, 1932. This application December 3, 1935, Serial No. 52,653
2 Claims. (Cl. 112—158)



1. In a sewing machine having a vertically reciprocable and transversely oscillatable needle and cooperating feed means, mechanism for actuating said feed means for both maximum and minimum amplitude of feeding movement comprising, a drive shaft, a frame having a feed operating eccentric, carrier means rotated by said shaft to which said frame is pivoted for lateral movement relative to said shaft, the free end of said frame having a slot, a fixed stud on said carrier means entered in said slot, spring means urging said frame in one direction in stopped engagement with said stud to thereby position the eccentric for minimum throw adapted to effect minimum amplitude of feed means movement, means to move said frame in an opposite direction and hold the same against the tension of said spring to position the eccentric for maximum throw adapted to effect maximum amplitude of feed means movement, and adjustable means for varying the stud stopped position of said frame and eccentric to selectively predetermine the scope of minimum amplitude of feed means movement, said latter means comprising an adjustable stop screw carried by said frame to enter an end of its slot in opposition to said stud.

2,121,885
**CASKET AND HARDWARE THEREFOR**
Lunias L. Rogers, Houston, Tex.
Application March 10, 1934, Serial No. 714,903
3 Claims. (Cl. 16—112)



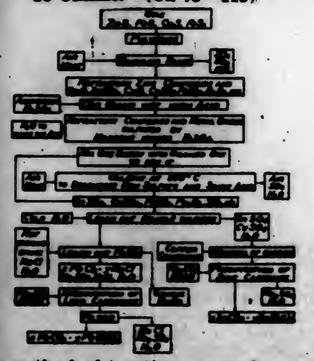
1. A detachable handle mechanism for caskets, comprising an anchor plate for securement to the casket, a handle supporting part comprising a base designed to engage with the casket and constructed with a recess for said anchor plate, a pivoted handle on said part, a latching finger on said handle designed for interengagement with said anchor plate to lock said handle and said part in place when the handle is in carrying position, and resilient means associated with said handle for maintaining it in carrying position.

2,121,886
**ELECTRIC LAMP PLUG CONNECTER BASE AND SOCKET**
José María Sandoval y Campderá and Manuel Fernandez de Cañete Cuadrado, Seville, Spain
Application September 1, 1934, Serial No. 742,484
In Spain January 29, 1934
3 Claims. (Cl. 176—32)



1. An electric plug connecter base and socket for connecting an electric lamp in circuit and holding it in position, comprising in combination: a lamp socket made of insulating material; metal contact members forming poles embedded in the insulating material of said lamp socket; screws engaging said metal contact members for the fixation of the current carrying leads; a plug connecter base provided on the lamp; co-operating spring members on said plug connecter base and said metal contact members respectively comprising lateral laminar metal springs terminating in semi-cylindrical end pieces, and recesses with which said end pieces engage resiliently; a transverse partition member in said lamp sockets; polarized projections on said transverse partition member; and recessed polarized parts on said plug connecter base to be engaged by said polarised parts, whereby it is rendered impossible to connect together a plug connecter base and a lamp socket unless they bear precisely corresponding mated polarized parts respectively and are provided with precisely corresponding contacting and fastening means, substantially as described.

**2,121,887**
**METHOD OF SULPHATING AN ORE MATERIAL**
Royal L. Sessions, Inglewood, and Donald C. Mitchell, Los Angeles, Calif., assignors to Hughes-Mitchell Processes Incorporated, Denver, Colo., a corporation of Wyoming
Application December 9, 1935, Serial No. 53,576
13 Claims. (Cl. 75—115)



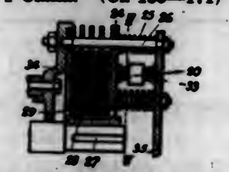
1. The method of treating a complex ore containing lead, zinc and iron sulphides comprising the steps of roasting the material under oxidizing conditions and at a temperature sufficient to cause the ore material to burn and form zinc and lead oxygen compounds and ferric oxide, thereafter wetting the ore material with substantially anhydrous sulphuric acid and then adding a controlled amount of water to form nascent ionized sulphuric acid and cause solubilization of substantially all of the zinc, lead and iron compounds present as sulphates, heating the sulphated material at a temperature at which the iron sulphate is decomposed and with sufficient oxygen to form ferric oxide therefrom, subsequently leaching the ore material with cold water to remove zinc sulphate therefrom, thereafter treating the ore residue with a hot alkali metal chloride brine to dissolve the lead sulphate, and recovering lead and zinc compounds from their solutions.

**2,121,888**
**UNDERREAMER**
Herman C. Smith, Whittier, Calif.
Application October 14, 1935, Serial No. 44,908
5 Claims. (Cl. 255—76)



1. The combination in an underreamer, of a body formed with an elongated recess, the wall bounding one end of said recess being in the form of a curved socket and the side walls bounding the recess being parallel, a mount fitted within said curved socket and adapted to rock transversely without side movement therein, a pair of relatively movable stepped blocks within said recess, a second mount movable relative to one of said stepped blocks, and a reamer cutter interposed between said two mounts, and means normally urging one stepped block relative to one of said mounts to in turn rock the reamer cutter in one direction.

**2,121,889**
**AUTOMATIC FRICTION BRAKE**
Josef Soucsedik, Moravia, Czechoslovakia
Application June 11, 1934, Serial No. 730,121
In Czechoslovakia February 27, 1933
1 Claim. (Cl. 188—171)



In an automatic friction brake for an alternating current motor including a driven shaft, a stator winding for each phase and a fixed casing, comprising a plurality of friction discs slidably keyed to said shaft, a plurality of friction rings fixed to said casing but axially slidable relatively to said shaft and interposed between said friction discs, spring means tending to move said discs and rings progressively into engagement and an electromagnet which tends to withdraw the spring means when energized and the windings of which are arranged in series with the corresponding stator winding; the combined force of attraction of said electromagnets exceeding the force of the spring means by less than the force of attraction of any one individual magnet so that even on interruption of the circuit of only one phase the spring means moves the discs and rings progressively into engagement.

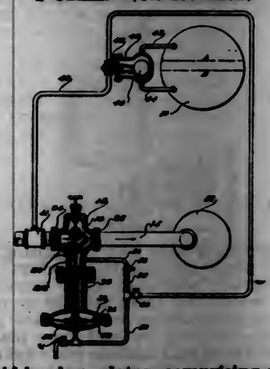
**2,121,890**
**CAN**
David A. Sprigings, Bloomfield, N. J., assignor to Standard Container, Inc., Bloomfield, N. J., a corporation of New Jersey
Application December 26, 1937, Serial No. 182,151
2 Claims. (Cl. 221—19)



1. A container of the character described comprising, a can having a top formed with a depressed seat of cup-like formation, a spout having a cupped lower end located in said seat, the seat having an outwardly expanded side wall, the cupped lower end of the spout also have an outwardly expanded side wall of a shape different from that of the expanded shape of the side wall of the seat to lessen frictional resistance between the side walls, the side wall of the spout being embraced by the side wall of the seat and prevented thereby from displacement out of the seat but capable of rotative movement therein, the cupped lower end of the spout having a pouring opening.



**2,121,891**
**LIQUID LEVEL REGULATOR**
George W. Stetson, Hingham, Mass.
Application September 6, 1935, Serial No. 39,413
1 Claim. (Cl. 137—101)



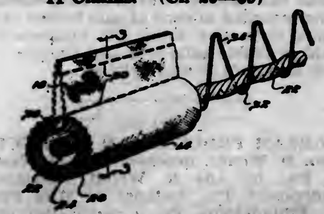
A liquid level regulator, comprising a liquid receptacle, a supply line, a feed valve in the supply line, a means for actuating the feed valve exposed at one end to the pressure at the discharge side of the feed valve, a control circuit communicating with the supply line at the inlet side of the feed valve and at the end of said means opposite the discharge of the feed valve, a liquid level control valve for regulating flow through the control circuit from the supply line to said means, and an adjustable restricted vent between the control circuit and the discharge passage for the feed valve to govern the pressure imposed upon said means through the control circuit.

**2,121,892**
**GASOLINE METER FOR INTERNAL COMBUSTION ENGINES**
George F. Stimer, Victor, Colo.
Application December 8, 1936, Serial No. 114,800
11 Claims. (Cl. 73—270)



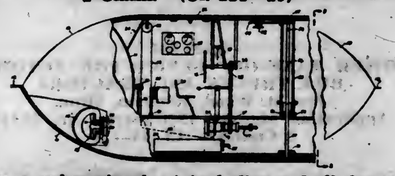
1. A device for metering the flow of fluid to the carburetor of an engine comprising: a fluid chamber; a diaphragm closing said fluid chamber; an intake valve for admitting fluid to said chamber; a discharge valve for discharging fluid from said chamber; an independent valve stem for each of said valves; the valve stems being axially aligned and spaced apart; a lever positioned between the end of the valve stems to alternately and separately open and close said valves; the distance between the ends of the valve stems being greater than the thickness of the lever, whereby it will engage only one stem at one time; means comprising a spring for reciprocating said lever in consequence of the movement of said diaphragm; and means for delaying the movement of said lever until said diaphragm reaches its extreme positions.

**2,121,893**
**WEATHER STRIP**
Clark A. Tea, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 27, 1936, Serial No. 71,123
11 Claims. (Cl. 20—69)



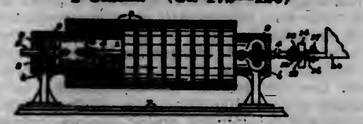
1. A weatherstrip comprising a flexible core of considerable length, a resilient wire having portions encircling and compressing said core alternating with laterally extending loops all of which are on the same side of said core, and a slitted tubular cover in which said core is arranged with said loops projecting through the slitted side.

**2,121,894**
**SUBMARINE LIFEBOAT**
Kari Torjussen, Brooklyn, N. Y.
Application March 8, 1937, Serial No. 129,573
1 Claim. (Cl. 114—16)



In a submarine boat including a hull formed to provide a recess adjacent the stern, a propeller and shaft therefor adapted to be positioned in said recess, a sleeve rotatably mounted on and concentric with said propeller shaft, a rudder embracing said propeller, pivotally mounted on said sleeve in the plane of said propeller shaft for rotation about said propeller shaft as an axis, a second sleeve concentric with said first sleeve, gear means interconnecting said rudder and said second sleeve whereby said rudder may be pivoted on said pivotal mounting, hand wheels located in said boat and operably connected to each of said sleeves.

**2,121,895**
**ELECTRIC POWER APPARATUS**
William Toward, Poland Mines, and Alexander Toward, Eighty-four, Pa.
Application October 16, 1935, Serial No. 45,366
1 Claim. (Cl. 172—126)



In an electro-magnetic power mechanism of the character described, the combination of a tubular cylinder, a plurality of solenoids mounted on and surrounding said cylinder, a reciprocating core mounted in said cylinder, means for supporting said core in said cylinder, the inner face of

said cylinder being provided with a plurality of longitudinally extending grooves, a hub fixed to said core, a plurality of radially disposed hollow arms secured to said hub, a stem mounted in and radially shiftable in each of said arms, a casing fixed to the outer end of each of said stems, a revoluble ball carried in each of said casings, and a spring mounted in each of said hollow arms and engaging respective stems for tensionally forcing said revoluble balls into said grooves for stabilizing said core in said cylinder.

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2,121,896

**CREAM PROCESS AND PRODUCT**

Herman D. Wendt, deceased, late of West Chester, Pa., by Ada R. Wendt, administratrix, Coudersport, Pa., assignor to Milk Processes, Inc., Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application March 15, 1935, Serial No. 11,210

5 Claims. (Cl. 99—62)

4. The process of producing a milk product containing butter fat in the dispersed phase which comprises producing a milk product containing butter fat in the dispersed phase in a proportion comprising over 65% of the total content of such milk product, incorporating therein concentrated milk solids-not-fat whereby the proportion of milk solids-not-fat in the liquid phase is increased and finally diluting the high butter fat concentration milk product with water.

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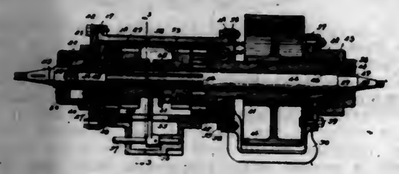
2,121,897

**POWER TAKE-OFF DEVICE FOR AUTOMOBILE TRUCKS AND TRACTORS**

Jess M. Wood, Windom, Minn.

Application May 11, 1936, Serial No. 79,109

3 Claims. (Cl. 74—11)



1. A clutch case, a bearing housing detachably secured to one end of said clutch case having inner and outer bearings, a driven shaft rotatably mounted in said bearings having its inner end provided with an inwardly extending clutch element and an axial bearing, a bracket detachably secured to the other end of said clutch casing, a bearing supported in the inner end of said bracket, a bearing housing detachably secured to the outer end of said bracket, a bearing in the second bearing housing, a sleeve extending through said bracket and rotatably mounted in the bearings carried thereby and in axial alinement with the first shaft, said sleeve having a clutch element on its inner end, a shaft mounted through said sleeve having its inner end rotatably mounted in the bearing on the first shaft, a second bearing in the second bearing housing rotatably supporting the outer end of the last shaft, a clutch element splined to said shaft to cooperate with the first clutch element, means for moving either of the last clutch elements in operative relation with the corresponding clutch element, and a power take-off element carried by said sleeve and between its supporting bearings.

2,121,898

**SIGN**

Royal A. Young, Walsh, Colo.

Application May 3, 1937, Serial No. 140,459

3 Claims. (Cl. 40—143)



1. An interchangeable sign comprising: a perforated face plate; metal letter members; tongues formed integrally with said letter members and projecting rearwardly from said letter members through the perforations in said face plate; a backing plate secured to said face plate; and means for drawing said backing plate against said face plate to clamp said tongues against the latter.

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2,121,899

**TREATMENT OF CELLULOSE TRIACETATE**

Harold Alden Auden, Banstead, Hanns Peter Staudinger, Epsom, and Philip Eaglesfield, Carshalton, England, assignors to Ernst Berl, Pittsburgh, Pa.

No Drawing. Application January 30, 1935, Serial No. 4,206. In Great Britain February 16, 1934

1 Claim. (Cl. 260—102)

The method of converting acetone-insoluble cellulose triacetate into acetone-soluble form comprising heating the triacetate with isobutyl alcohol in the presence of a small amount of esterifying catalyst and in the absence of acetic anhydride and glacial acetic acid.

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2,121,900

**INSULIN PREPARATION**

Fritz E. Bischoff, Santa Barbara, Calif.

No Drawing. Application March 2, 1936, Serial No. 66,697

3 Claims. (Cl. 167—75)

1. A medical preparation, including a suspension of insoluble insulin histone composition suitable for subcutaneous injections in animals and man.

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2,121,901

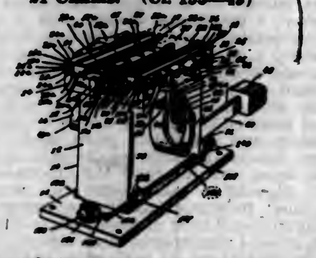
**TUBULAR BODY FORMING APPARATUS**

Carlos Butty, Buenos Aires, Argentina

Application April 4, 1936, Serial No. 72,822

In Argentina January 3, 1936

21 Claims. (Cl. 153—49)



11. In a tubular body forming machine including a plate having a plane operating surface and a cavity formed in said operating surface and extending lengthwise across the plate, a support having a flat end lying in a plane parallel to that of the operating surface, a boss projecting from said end, a capstan head rotatably mounted on the boss, a plurality of co-planar cores projecting radially from said capstan head, operating means for reciprocating the plate with respect to the plane of the cores, and means for intermittently imparting a rotary movement to said capstan head through a predetermined angle whereby successively to position the cores in alignment with said cavity.



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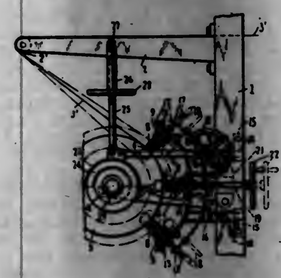
2,121,902

**TENSIONING APPARATUS FOR MATERIAL ROLLS**

William E. Crist, Jr., Springfield, Ohio

Application November 19, 1936, Serial No. 111,588

5 Claims. (Cl. 242—75)



1. In a tensioning apparatus for a roll of material during unwinding thereof, a roller, means for supporting the same, a backing plate, a series of springs between said supporting means and backing plate to hold said roller in resilient engagement with the outer surface of the material roll, and means to withdraw said backing plate, roller and springs to permit the insertion of a fresh roll of material.

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2,121,903

**TORCH OR LAMP**

Robert A. Currie, Syracuse, N. Y., assignor to R. E. Dietz Company, New York, N. Y.

Application April 21, 1934, Serial No. 721,753

2 Claims. (Cl. 67—55)



1. A torch comprising a fuel receptacle having an opening in its top, a burner having projecting lock wings and a combined burner and handle-attaching plate secured on said receptacle top and provided with lock members cooperating with said lock wings for removably fastening said burner on said receptacle, and said plate also having portions providing projecting lugs on the receptacle for the attachment of a carrying handle for said torch.



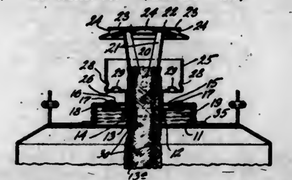
2,121,904

**TORCH OR LAMP**

Robert A. Currie, Syracuse, N. Y., assignor to R. E. Dietz Company, New York, N. Y.

Application January 9, 1936, Serial No. 58,353

8 Claims. (Cl. 67—55)



1. A torch comprising a fuel receptacle, a wick tube projecting out from the receptacle and having lateral flame exit openings in the sides of its outer projecting portion, a wick in the wick tube and entering the fuel receptacle and having its outer end terminating in the wick tube adjacent the inner ends of said exit openings so that the wick flame burns through said openings beyond the wick, a windshield surrounding the outer portion of the wick tube, and a rain shield over the outer end of the wick tube above said flame exit openings, said wind and rain shields defining a chamber around said projecting portion of the wick tube and providing a lateral flame exit from said chamber.

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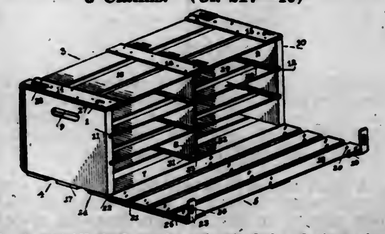
2,121,905

**CRATE**

William Walker Day, Hammond, La.

Application February 13, 1937, Serial No. 125,533

3 Claims. (Cl. 217—40)



1. A ventilated crate adapted for being simultaneously loaded from its opposite sides with a separate series of berry boxes on each side, consisting of slatted top, bottom, sides and horizontal partitions, with slats of each spaced apart for ventilation, end members provided with means for supporting said top and bottom in fixed relation and said partitions in slidable relation, said sides being hingedly connected to the crate and having latching means mounted thereon.

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2,121,906

**CLOSURE OPERATING MECHANISM**

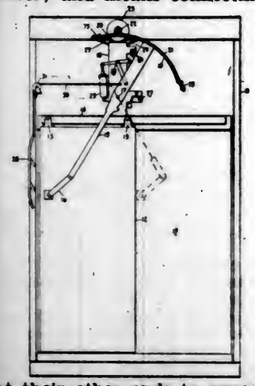
Edward Lee Dunn, Livingston, N. J., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application August 21, 1937, Serial No. 160,204

6 Claims. (Cl. 268—53)

1. Operating mechanism for an elevator door comprising; a motor; a pivoted lever having one arm connected to the door and the other arm provided with an arcuate member extending beneath the shaft of said motor; a pair of flexible connectors; means securing one end of each connector to said shaft, said connectors being oppositely wound about said motor shaft and ex-

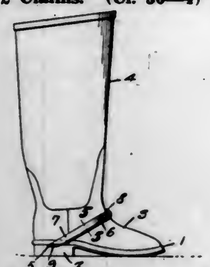
tending therefrom in opposite directions onto said member; and means connecting said con-



nectors at their other ends to opposite ends of said member.

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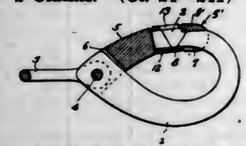
2,121,907
**FOOTWEAR**
Clarence V. Easton, Coshocton, Ohio
Application September 17, 1937, Serial No. 164,395
2 Claims. (Cl. 36—4)



1. A boot comprising an upper, a sole and a heel, the latter having a bore extending transversely thereof in its upper surface and disposed under the sole, a strap extending through the bore, means for securing the ends of the strap about the instep portion and in gripping engagement therewith, means to prevent unintentional removal of the strap from the bore and abutment means for the strap extending about the instep portion and sides of the upper.

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2,121,908
**HOOK**
Erick Ericksen, Astoria, Oreg.
Application August 10, 1937, Serial No. 158,438
2 Claims. (Cl. 24—241)



2. A hook comprising a body and a bill, a keeper pivoted to the body of a hook at the end of the body remote from the bill, and said keeper at the free end thereof being provided with a sheath for receiving the bill, said keeper being reduced in cross sectional dimensions to form a groove, and a sleeve rotatable in said groove, said sleeve being engageable with the bill for retaining the latter within said sheath, said sleeve being also provided with a notch adapted to align with the open side of said sheath to permit movement of the bill into and out of said sheath.

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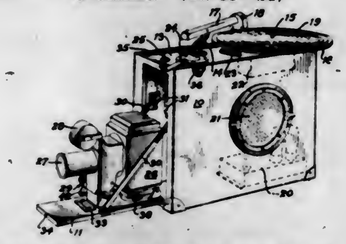
2,121,909
**TEXTILE FABRIC AND METHOD OF MAKING THE SAME**
Harold H. Fonda, Skaneateles, N. Y., assignor to Nye-Wait Company, Inc., Auburn, N. Y., a corporation of New York
Application August 31, 1937, Serial No. 161,866
14 Claims. (Cl. 139—391)



1. The method of producing embossed or relief designs in pile fabrics, which comprises weaving twisted pile yarns composed of staple length fibers and having different degrees of twist, according to a predetermined pattern, to initially provide a pile surface composed of tufts of substantially uniform height, and thereafter subjecting said pile yarns to a wetting treatment whereby to partially release the twist of the harder twisted yarns so as to cause the pile tufts formed by these yarns to elongate and rise above the pile tufts formed by the other lesser twisted yarns which are substantially unaffected by the wetting treatment.

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2,121,910
**CARRYING CASE FOR PICTURE PROJECTING APPARATUS**
Frank Freimann, Fort Wayne, Ind., assignor to Electro-Acoustic Products Company, Fort Wayne, Ind., a corporation of Illinois
Application July 16, 1935, Serial No. 31,632
6 Claims. (Cl. 88—24)



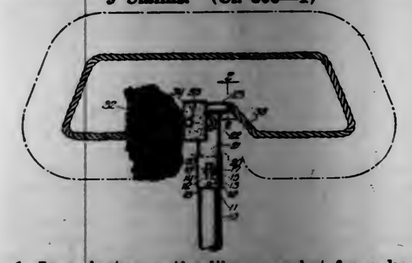
1. In apparatus of the character described, the combination of a carrying case having an opening in one end, an extendible support disposed in the open end of said carrying case upon which a picture projecting lantern may be secured, said extendible support being such that when extended it will support the picture projecting lantern in an operable position externally of said carrying case, and when not extended it will form a closure for the opening in the end wall of said carrying case and conceal the picture projecting lantern therein, a picture projecting lantern mounted upon and movable with said extendible support, a picture film advancing mechanism



carried by and movable with said lantern, a crank arm associated with said film advancing mechanism by means mounted in a fixed position upon the carrying case remote from said film advancing mechanism, a link extending from said last means toward the crank upon said film advancing mechanism, a second link extending from the crank upon said film advancing mechanism and terminating adjacent the end of said first link, and a pivotally mounted lever forming an articulated connection between said links having an overcentering action which will render the manually operable means upon said carrying case effective to actuate the crank arm of said film advancing mechanism when the lantern and its support is extended from said carrying case and ineffective to operate said crank arm when said lantern is enclosed within said carrying case.

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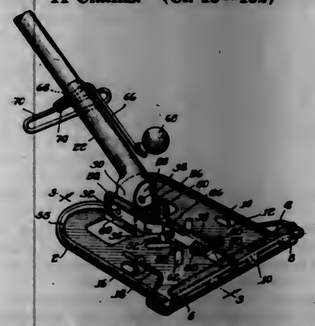
2,121,911
**WALL DUSTER**
John Glover, Chicago, Ill., assignor, by mesne assignments, to Midway Chemical Co., Jersey City, N. J., a corporation of New Jersey
Application November 19, 1934, Serial No. 753,695
9 Claims. (Cl. 306—1)



1. In a duster or the like, a socket for a handle and having a noncircular bearing, a sleeve in said bearing and having in cross section the shape of eccentric arcs, and a duster frame a part of which is non-rotatably held in said sleeve.

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2,121,912
**MOP**
John Glover, Chicago, Ill., assignor, by mesne assignments, to Midway Chemical Co., Jersey City, N. J., a corporation of New Jersey
Application January 2, 1937, Serial No. 118,833
11 Claims. (Cl. 15—152)



7. A mop, comprising a flat sheet metal plate of relatively large area, said plate having its front edge curled upwardly and inwardly in overhanging relation to the upper surface of the plate to receive a fabric mop, the mop extending over the curved front edge and beneath the sheet metal plate, a jaw shiftingly mounted on the upper surface of the sheet metal plate and having its front edge adapted nestingly to fit within the overhanging portion of the stationary jaw, and actuating means mounted on the upper surface of the sheet metal plate and connected to said jaw for shifting it to clamping or releasing position, and a stick socket pivotally connected to said plate.

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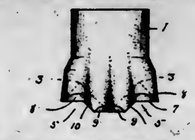
2,121,913
**CONTAINER VALVE**
Stephen D. Hartog, Normandy, Mo.
Application June 21, 1937, Serial No. 149,353
10 Claims. (Cl. 221—60)



3. A container valve comprising a non-resilient slug of flat metal adapted to be attached to the discharge end of the container, an aperture within the slug, integral portions of the slug having rectangular form providing means to support an aperture closure, the aperture closure being provided with journal bearings, the mentioned journal bearings of the closure being constructed and adapted to embrace three surfaces of the rectangular form of the slug supporting means and to over-lap the same in capacity not less than the thickness of the metal of which the slug is made, and means to secure the slug to the discharge end of the container.

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2,121,914
**DRILL BIT**
Martin Hokanson, Duluth, Minn., assignor to Eidco, Inc., Duluth, Minn., a corporation of Minnesota
Application October 26, 1936, Serial No. 107,563
10 Claims. (Cl. 255—64)



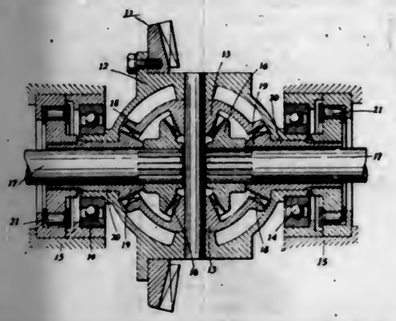
1. A drill bit of the class described, characterized by the cutting face of said bit being stepped, forming two separate parallel portions of said face, the inner inclined surface of the cutting edges of said face upon either side of the axis of the bit being formed by the outer surface of a cone common to the cutting edges in both planes.

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2,121,915
**DIFFERENTIAL OR BALANCE MECHANISM**
Richard Joseph Ifield, Coventry, England
Application February 15, 1937, Serial No. 125,902
In Great Britain February 14, 1936
5 Claims. (Cl. 74—315)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. A differential gear including a driving element, two coaxial driven elements, two additional elements, one-way locking devices associated with said additional elements, said one-way locking devices being arranged adjacent one another, and means gearing said driven elements to said addi-

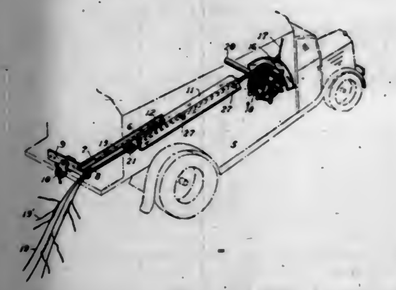
tional elements such that said driven elements are prevented from being driven at different speeds of which the ratio of the greater speed to the less speed exceeds a predetermined value dependent



upon the maximum differential effect required, and said additional elements being in the form of sleeves coaxial with said coaxial driven elements, one of said sleeves being rotatively fitted upon the other.

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**2,121,916**
**COMBINED GUIDE AND GUARD FOR WIRES**
**Morris Hendrick Lindon Jacobsen, Guilford, Conn., assignor to American Telephone and Telegraph Company, a corporation of New York**
**Application August 27, 1937, Serial No. 161,349**
**1 Claim. (Cl. 242—157)**



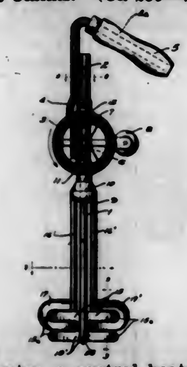
A device adapted to be attached to the side of a vehicle to guide taken down line wires and attached tie wires by which they have been affixed to insulators in the travel of said line and tie wires toward a reel upon which they are to be wound, said device including a longitudinal casing of rectangular cross-section forming a guide for said line and tie wires and a guard to protect the truck from damage in the travel of said wires, roller members in said casing over which the wires advance, and a conical member at one end of the casing for grouping said line wires and for forming said tie wires in substantially parallel horizontal layers therewith, said casing having an arcuate portion at its other end lying closely adjacent the periphery of the reel tending to prevent the tie wires from coming in contact with workmen and with the sides of the vehicle as the tie wires advance with the line wires to be wound on the reel.

**2,121,917**
**PROCESS FOR MAKING PHENOL, CRESOL, OR THE LIKE RESINS**
**Ignaz Kreidl, Vienna, Austria**
**No Drawing. Application April 23, 1936, Serial No. 76,078. In Austria May 15, 1935**
**7 Claims. (Cl. 260—4)**

1. A process for producing artificial resins which consists in reacting one of the class consisting of phenol and its homologues with an aldehyde in an alkaline medium, the molecular proportion of aldehyde to the substances of the class of phenol and its homologues being such that the said proportion in the finished product amounts to at least 1:1, in the presence of an alkaline reacting substance containing sulfur in the S-S-linkage.

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**2,121,918**
**BEATER**
**Elroy Homer Leighty, Seattle, Wash.**
**Application May 24, 1937, Serial No. 144,454**
**2 Claims. (Cl. 259—132)**



1. In a beater, a central beater shaft, beater vanes fixed on the lower end portion of the shaft and extending radially therefrom; said blades being longitudinally bifurcated to provide two spaced prongs that are hooked forwardly in the direction of rotation, a cross head bearing revoluble on the said central shaft at a distance substantially above the said vanes, means operable for rotating the shaft and cross head in opposite directions, a pair of rods fixed to the cross head and depending along opposite sides of said shaft and spaced therefrom, beater vanes fixed to the lower ends of said rods and extending radially of the axis of rotation beyond the first vanes and cupped toward the direction of rotation and in a manner to effect an inward and downward propulsion of material acted on and slotted for passage of prongs of the first mentioned vanes therethrough incident to opposite rotation of the vanes.

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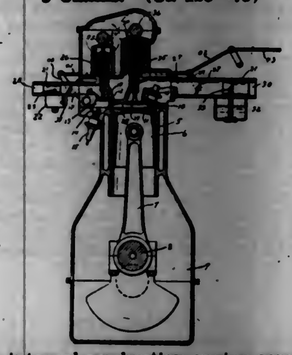
**2,121,919**
**METHOD OF PURIFICATION AND SEPARATION OF STARCH**
**Karl Paul Link, Carl G. Niemann and Ray H. Roberts, Madison, Wis., assignors to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin**
**No Drawing. Application September 22, 1933, Serial No. 690,562. Renewed December 9, 1937**
**4 Claims. (Cl. 127—70)**

4. The method of treating starch-containing material for the removal of impurities, including the combined lipoids and phosphorous, which consists in subjecting the starch-containing material to the action of nitric acid combined with an aqueous alcohol solution in sufficient concentration to confine the action of the nitric acid to conversion of said impurities into compounds capable of separation from the starch polysaccharide and then separating the unaffected starch polysaccharide from the converted impurities.



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**2,121,920**
**INTERNAL COMBUSTION ENGINE**
**Marion Mallery, Detroit, Mich.**
**Application February 8, 1937, Serial No. 124,772**
**5 Claims. (Cl. 123—75)**

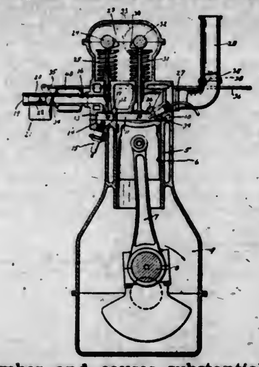


1. An internal combustion engine comprising a cylinder having an intake port, a piston reciprocable in said cylinder, a primary firing chamber adjacent the upper end of the cylinder and having an intake port, means for charging said cylinder and said chamber from separate sources, each charging means including a carburetor with a throttle valve on the engine side thereof, a constantly open port between said chamber and the upper end of the cylinder which is more restricted than the intake leading to said chamber, electrical means for igniting the charge in the primary firing chamber and by the explosion thereof igniting the charge in the cylinder, and means linking the throttle valves to cause them to open and close in unison.

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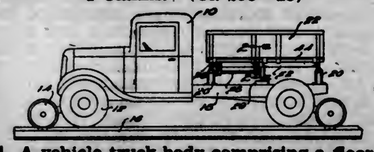
**2,121,921**
**INTERNAL COMBUSTION ENGINE**
**Marion Mallery, Detroit, Mich.**
**Application March 5, 1937, Serial No. 129,264**
**2 Claims. (Cl. 123—32)**

1. An internal combustion engine comprising a cylinder formed with a main combustion chamber at its upper end, a piston reciprocable in said cylinder, means for supplying air to the cylinder, a primary firing chamber having a constant restricted port opening laterally into the main combustion chamber, means for charging the primary firing chamber with normal fuel mixture, interconnected throttle valves synchronously controlling the volume of the charges to the two chambers, means for injecting liquid fuel directly into the main combustion chamber when the piston is near the end of its compression stroke, said restricted port being so small that the compression in the primary firing chamber at the end of the compression stroke is considerably lower than in the main combustion chamber, and means for igniting the mixture in the primary firing chamber when the piston is substantially in its uppermost position, whereby a flame is projected at a high velocity into and across the main combustion chamber and causes substantially instantaneous combustion in the latter.



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**2,121,922**
**HAND OPERATED TRUCK BODY**
**Sulo M. Nampa, Detroit, Mich., assignor to Transportation Systems, Inc., Tulsa, Okla., a corporation of Oklahoma**
**Application November 19, 1936, Serial No. 111,564**
**4 Claims. (Cl. 298—18)**



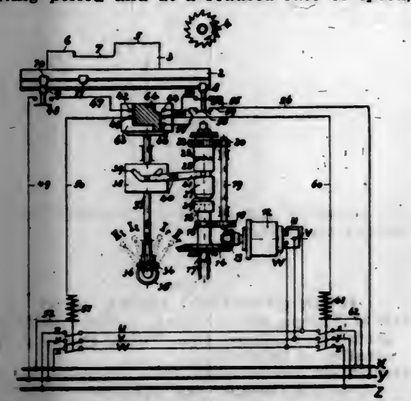
1. A vehicle truck body comprising a floor and upstanding confining walls, means supporting said floor in a substantially horizontal position, means pivotally supporting said walls relative to said floor, and linkage means connecting said walls and said floor, said linkage means including a first member connected to said floor, a second member connected to one of said walls, an elongated member pivotally connected to said first member and pivotally connected to said second member and having means releasably engaging one of said first and second named members to provide a rigid connection between said first and second named members, and means to release said elongated means from engagement with said one of said first and second named members, the construction and arrangement being such that upon said release said linkage means is rendered collapsible for moving said walls about said pivotal means to a position substantially flush with said floor while said floor is retained in its substantially horizontal position.

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**2,121,923**
**MILLING MACHINE**
**Herbert Neubert, Chemnitz, Germany, assignor to J. E. Reinecker Aktiengesellschaft, Chemnitz, Germany, a corporation of Germany**
**Application February 23, 1937, Serial No. 127,141**
**In Germany June 29, 1935**
**2 Claims. (Cl. 90—21)**

1. In a milling machine a reciprocable work table, a feeding device for reciprocating said table, a reversible electric motor for operating said feeding device, a rate changing mechanism

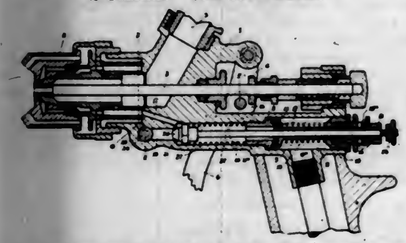
cooperatively interconnecting the latter and the said electric motor for alternately feeding the work table at low speed during cutting periods, and at a higher rate during idle periods of its working stroke, electrically operated means for automatically stopping the table at the end of idle periods of its working stroke, and a single lever control mechanism for re-starting thereafter at the operator's discretion the work table in the previous direction for the next following cutting period and at a reduced rate of speed,



said automatic stopping means comprising electromagnetic switches for connecting said reversible electric motor with and disconnecting it from the main power circuit, two auxiliary electric circuits for operating said electromagnetic switches, trip dogs adjustably fixed at the work table, and circuit breakers responsive thereto for making and breaking said auxiliary circuits, said single lever control mechanism comprising a rotary cam shaft cooperatively associated with said rate changing mechanism, and a rotary electric switch for controlling said auxiliary circuits.

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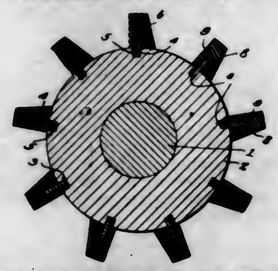
**2,121,924**
**SPRAYING APPARATUS**
**Henry James Newlin, Birmingham, England**
**Application May 1, 1935, Serial No. 19,280**
**2 Claims. (Cl. 299—140.1)**



1. Apparatus for spraying liquids or other materials, comprising a frame, a control valve for the liquid or material to be sprayed, slidably mounted in the frame under control of a spring, a spraying nozzle at which occurs, alternatively, round and fan shaped sprays on said frame, a trigger lever for actuating said liquid control valve pivotally mounted at its upper end on said frame, an abutment on said valve against which the said trigger lever is pressed to open the valve and which abutment is spaced from the trigger when in the inoperative position, a chamber in the frame for receiving compressed air from the source of supply, a second air chamber in the frame in alignment with the aforementioned chamber, an air control valve coacting with a fixed seating at the junction of and controlling communication between said chambers, a sleeve on the said air valve and slidably mounted under spring control in the frame under the said liquid control valve, a spring normally pressing the valve on its seating, an air conduit leading from said second chamber for supplying air to produce a round spray, a second air valve spring pressed on a fixed seating and controlling communication between the second air chamber and an air conduit for supplying air to produce a fan-shaped spray, a spindle on this second air valve slidably mounted in and projecting beyond the said valve sleeve, means whereby the said first air valve, the liquid valve and the second air valve are successively opened by pressure applied by the said trigger in one direction to obtain either a round or a fan-shaped spray and whereby the spring controlling the first mentioned air valve controls the position of the trigger lever in the inoperative position, and a separate valve mounted on the frame for controlling the flow of air through the said conduit supplying air to produce the fan-shaped spray in order to ensure a predetermined balance of air passing through the two conduits leading to the spraying nozzle to form a fan-shaped spray.

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**2,121,925**
**UNHAIRING ROLL**
**Marion Keith Ocsko, Johnstown, N. Y.**
**Application January 24, 1938, Serial No. 186,685**
**3 Claims. (Cl. 149—16)**



1. An unhairing roll including a cylinder having grooves in the periphery thereof, blades anchored in the grooves and projecting from the cylinder, and rubber ribs vulcanized on the blades and cylinder.

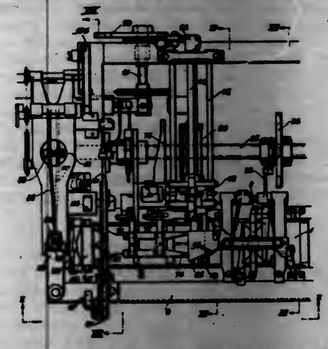
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**2,121,926**
**MACHINE FOR CLOSING BAGS**
**Gustaf Örström, Alsten, Sweden, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden, a Swedish joint-stock company**
**Application September 22, 1936, Serial No. 102,045**
**In Sweden September 27, 1935**
**9 Claims. (Cl. 93—8)**

1. In a machine for closing bags, a conveyor movable intermittently along a longitudinal path and having means to advance bags which have the upper portions of their side walls flattened together, means for turning down and holding said flattened bag end in turned down position, means for coiling the turned down bag end,



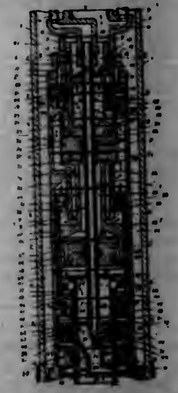
means for retaining the coiled bag end in a coiled condition, and means for sealing the coiled bag end, said turning and holding means, said coiling means, said retaining means, and said sealing means being spaced successively along the path



of said conveyor to be operative above and substantially at the same distance from said conveyor to work into the sphere of one another upon the bag end, said retaining means being movable between said coiling means and said sealing means along the path of said conveyor.

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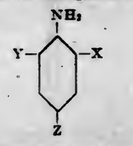
**2,121,927**
**DEEP WELL PUMP**
**Julius Paul, Duluth, Minn., assignor of one-half to R. M. Sellwood, Duluth, Minn.**
**Application December 21, 1936, Serial No. 116,946**
**6 Claims. (Cl. 103—9)**



1. A deep well fluid pump comprising a casing, a cylinder within said casing, motor, oil pumping and gas pumping pistons within said cylinder and connected to operate in unison, a source of fluid power and intake and exhaust valves for directing said fluid power alternately to opposite ends of said motor piston, intake and exhaust valves for admitting oil to opposite ends of said oil pumping piston and discharging it therefrom to the surface of the well, intake and exhaust valves for admitting gas to opposite ends of said gas pumping piston and discharging it therefrom to the surface of the well independently of said oil discharge, the discharge from said gas piston extending through said other pistons.

**2,121,928**
**ANTHRAQUINONE DYESTUFFS AND PROCESS FOR THEIR MANUFACTURE.**
**Albin Peter, Basel, Switzerland, assignor to the firm Chemical Works, formerly Sandoz, Basel, Switzerland**
**No Drawing. Application March 13, 1935, Serial No. 10,938. In Germany March 21, 1934**
**15 Claims. (Cl. 260—60)**

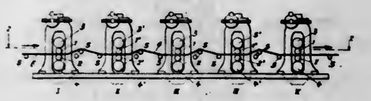
1. A process for the manufacture of anthraquinone dyestuffs, comprising condensing anthraquinone compounds containing in an α-position at least one member of the group consisting of halogen, nitro, alkoxy and hydroxy with an aromatic amine of the general formula




wherein X stands for a member of the group consisting of methyl and ethyl, Y stands for a member of the group consisting of methyl, ethyl and halogen, and Z stands for a member of the group consisting of hydrogen and methyl.

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**2,121,929**
**ROLLING MILL**
**Heinz Puppe, Neunkirchen, Germany**
**Application July 31, 1937, Serial No. 156,779**
**In Germany March 4, 1936**
**4 Claims. (Cl. 80—35)**
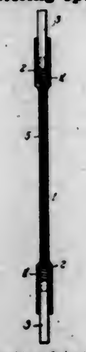


1. A rolling mill with roll stands arranged in series for the continuous hot rolling of strips and broad long bands of iron of a breadth greater than 600 millimetres, comprising roll stands arranged one behind each other, bottom working rolls and top working rolls mounted in said roll stands, the arrangement being such that the bottom working rolls of successive passes are alternately concave and convex, whereas the said top working rolls are alternately convex and concave.

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**2,121,930**
**HEATING DEVICE AND THE LIKE**
**Reinhold Reichmann, Berlin, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany**
**Original application July 14, 1933, Serial No. 680,455. Divided and this application March 20, 1935, Serial No. 12,039. In Germany July 15, 1932**
**3 Claims. (Cl. 201—64)**

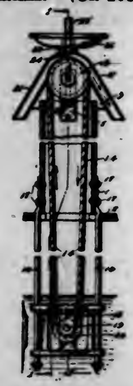
1. As an article of manufacture, a heating unit for an electric furnace or the like, said unit comprising a metallic heating section of uniform diameter, said heating section having a terminal section at each end thereof of enlarged diameter, a helical member wound around each terminal section, and an impervious sheath of sintered metallic oxide covering said heating section, said helical members and a substantial portion of each terminal section, said sheath tightly gripping said

terminal sections and helical members due to shrinkage in the sintering operation and serving



thereby to seal the entire heating section against the entrance of gases.

2,121,931
**PUMPING APPARATUS**
William H. Sloan, Washington, D. C., assignor of one-half to M. F. McCann, Seale, Ala.
Application July 24, 1936, Serial No. 92,419
11 Claims. (Cl. 103—72)



1. Pumping apparatus of the type described comprising a supporting frame, a pulley member mounted thereon, endless cable means mounted on said pulley member, a second pulley member cooperating with the cable means and sustained thereby in the liquid to be pumped, a frame for said second pulley, guide means extending from the supporting frame into the liquid to be pumped and with which the second pulley frame is slidably connected for maintaining the operative relation of said cable means with respect to the first mentioned pulley member and permitting said second pulley to be raised to the supporting frame for access, and means for moving the cable means about said pulley members, said guide means comprising a rod and said second pulley frame being provided with means interlocking said rod.

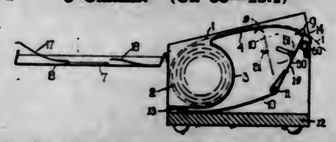
2,121,932
**ROTARY PRESS**
Herbert H. Slocum, Seattle, Wash., assignor of one-half to John W. Sterfeld, Seattle, Wash.
Application April 13, 1936, Serial No. 74,182
3 Claims. (Cl. 100—47)

1. In a rotary press, a housing, a drum rotatably mounted in said housing, a hopper extending into the housing over said drum, a discharge spout passing loosely through an opening formed in the housing at one side of the drum and hopper, a grating extending spirally about the drum and together therewith defining a chamber gradually decreasing in dimensions from the hopper to the outlet spout, said grating having sections slidably and pivotally connected with each other at their ends, a yieldable support engaging the connected ends of the grating sections and urging the grating towards the drum, the discharge spout having its inner end pivoted to the adjoining end of the grating, a yoke pivoted to the housing externally thereof and pivotally connected with the discharge spout in straddling relation thereto and serving to mount the



spout for longitudinal movement into and out of the housing, a helical spring having one end abutting the yoke and yieldably resisting movement of the yoke away from the housing in a direction to move the discharge spout outwardly and resisting movement of the last-mentioned end of the grating away from the drum, a mounting for the other end of said spring, a shaft rotatably mounted and threaded through said mounting to adjustably support the same and regulate tension of the spring, means carried by the drum for passing material through the chamber between the drum and grating as the drum rotates whereby pressure exerted by the grating will extract fluid from the material, and means between the hopper and the spout for directing compressed material into the spout as it leaves the chamber between the drum and grating.

2,121,933
**MOTION PICTURE CLAW FEED APPARATUS**
William Smith and James Charles Hall, London, and James Bernard Barton, Surrey, England
Application October 19, 1936, Serial No. 106,480
In Great Britain October 21, 1935
5 Claims. (Cl. 88—18.4)

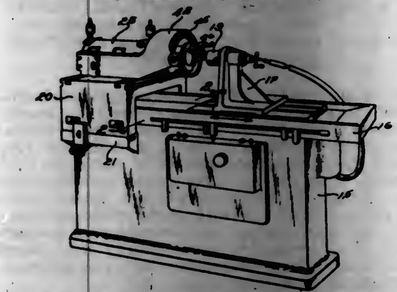


1. A claw feed apparatus for a motion picture strip having perforations, comprising guiding means for the picture strip, claws adapted to engage the perforations in the picture strip for advancing the same, a supporting device for said



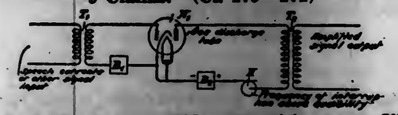
claws movable between advanced and retracted positions, spring means operating on said supporting device for effecting engagement of said claws with the picture strip and for advancing the supporting device to feed the picture strip, means providing an abutment on said supporting device, and a crank pivotally mounted substantially midway between advanced and retracted positions of said supporting device and having a crank arm engageable with said abutment when said claws are in engagement with the picture strip at their advanced position for withdrawing said claws from engagement with the picture strip and for shifting said supporting device against the action of said spring means to a retracted position for re-engagement of said claws with the picture strip.

2,121,934
**DIAMOND TURNING MACHINE FOR FORMING PISTONS OF ELLIPTICAL SHAPE**
Ira J. Snader and Christian A. Birkebak, Detroit, Mich., assignors to Ex-Cell-O Corporation, a corporation of Michigan
Application February 23, 1935, Serial No. 7,768
19 Claims. (Cl. 82—15)



1. In a machine for shaping or turning an approximately cylindrical piece of work, a support, a work holding device on said support, a device on said support having a cutting tool journaled to rotate in a plane about an axis so as to circumscribe a generally circular area, means for moving one of said devices toward the other for engaging the work and cutting tool, said cutting tool's axis of rotation being at an angle to the direction of relative movement of said devices and intersecting with the longitudinal axis of the work piece in such plane.

2,121,935
**AMPLIFYING SYSTEM**
Leland Kasson Swart, Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 8, 1936, Serial No. 89,623
9 Claims. (Cl. 179—171)



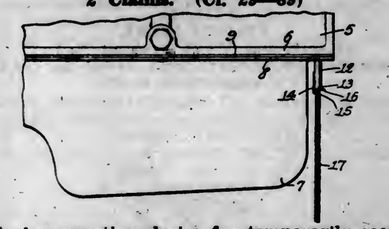
8. A telephone amplifier comprising a gas-filled tube having at least three electrodes forming input and output circuits for the tube, a source of telephone signals coupled to the input circuit, a circuit coupled to the output circuit for receiving the amplified signals, said input circuit including means responsive to said telephone signals to ionize the gas between the input electrodes of the tube during the application of said signals, and means independent of said telephone signals for periodically deionizing the gas between the output electrodes of the tube.

2,121,936
**COMBINATION EXCESS FLOW AND CHECK VALVE**
Roswell W. Thomas, Detroit, Mich., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application May 1, 1934, Serial No. 723,399
6 Claims. (Cl. 137—153)




2. In a valve of the character described, a valve body having an axial passageway therethrough, a restricted opening at each end of said passageway, said passageway forming a central cylindrical chamber having continuous walls of a larger diameter than said restricted passageway and interposed therebetween, oppositely disposed valve seats at the ends of said passageway, and a valve piston having transverse ports passing therethrough disposed and longitudinally slidable within said chamber, the total cross sectional area of said transverse ports being not greater than that of either of said restricted openings.

2,121,937
**OIL PAN ASSEMBLING DEVICE**
Lumir J. Tichota and Rudolph V. Tichota, Dodge, Nebr.
Application November 21, 1936, Serial No. 112,119
2 Claims. (Cl. 29—89)



1. A supporting device for temporarily securing an oil pan to a crank case, comprising a threaded member adapted to extend through aligning openings of a pan and crank case, a flexible arm to which the threaded member is secured, a tubular member movable over the flexible member and threaded member and adapted to engage an oil pan, and means on the tubular member for frictionally engaging the flexible member, to secure the tubular member to the threaded member and in engagement with the oil pan.

2,121,938
**INSOLE AND METHOD OF MAKING THE SAME**
Harry E. Wagner, Endicott, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 1, 1936, Serial No. 113,627
9 Claims. (Cl. 12—146)

1. That improvement in methods of making insoles which consists in channeling an insole-

shaped body portion, folding the middle portion of a tape, turning the marginal portions of the tape outwardly with respect to the folded portion to dispose them in a plane perpendicular to the folded portion, cementing the marginal



portions of the tape to the insole body with the folded portion substantially in alinement with the bottom of the channel, and turning the channel flap and one of the marginal portions of the tape up against the folded portion.

**2,121,939**
**WIRE FABRIC**
**Charles G. Williams, Fairfield, Conn., assignor to American Chain & Cable Company, Inc., a corporation of New York**
**Original application June 30, 1933, Serial No. 678,321, now Patent No. 2,039,617, dated May 5, 1936. Divided and this application June 24, 1935, Serial No. 28,120. In Canada January 22, 1934**
**9 Claims. (Cl. 245—11)**



1. A fabric of the character described comprising a plurality of contiguous round warp wires and a plurality of weft wires interwoven therewith, each weft wire being fixed at opposite ends thereof to the warp wires at opposite margins of the fabric.

**2,121,940**
**CLOSET BOWL**
**Franklyn J. Wolff, Trenton, N. J.**
**Application December 7, 1936, Serial No. 114,675**
**3 Claims. (Cl. 4—69)**



1. A closet bowl having means for producing a circulatory or gyratory movement of the water in the bowl, and a siphonic outlet having an opening located in the path of said moving water and at substantially right angles thereto.

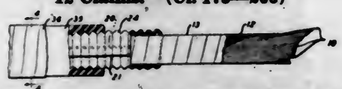
**2,121,941**
**SOUND TRANSMITTING APPARATUS**
**Günther Wurdel, Berlin, Germany, assignor to Apparatebau Gesellschaft Neumann & Borm Kommanditgesellschaft, Berlin, Germany**
**Application June 12, 1935, Serial No. 26,271**
**In Germany August 25, 1934**
**10 Claims. (Cl. 179—103)**

1. A telephone transmitting and receiving set comprising a rigid holder, a receiver mounted at one end thereof and an abutment carried by the other end of said holder, a microphone casing having an arm eccentrically fixed thereto,



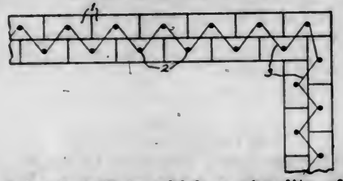
said arm being rotatable on said abutment, and a microphone of relatively low sensitivity mounted in said casing.

**2,121,942**
**ELECTRIC CABLE AND METHOD OF MANUFACTURING IT**
**Elliott P. Barrett, Pittsburgh, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York**
**Application June 23, 1932, Serial No. 618,861**
**Renewed November 6, 1937**
**12 Claims. (Cl. 173—266)**



12. In an electric cable, an inner insulated conductor portion and a flexible, metallic sheath thereover formed with circumferential corrugations, each corrugation being a complete ring around the sheath independent of any other corrugation, and the metallic sheath touching the inner insulated conductor portion substantially only at the bottoms of the troughs of the corrugations, the parts being so disposed and proportioned that seepage of accidentally introduced liquid along the insulated conductor is prevented by the corrugations.

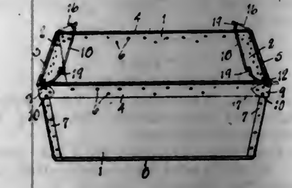
**2,121,943**
**BRICK AND BLOCK WALL REINFORCING**
**Joseph P. Bem, Oakland, Calif.**
**Application May 4, 1937, Serial No. 140,668**
**5 Claims. (Cl. 72—40)**



1. A brick wall in which a plurality of nails project from each of the adjacent bricks and wire passes to and around the nails of adjacent bricks lacing them together.

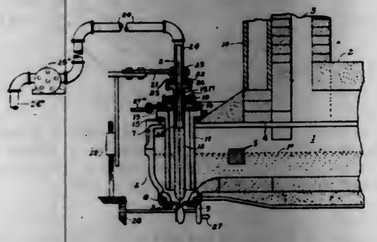
**2,121,944**
**RECEPTACLE**
**Wilson F. Best and William Kremer, Grand Rapids, Mich.; said Kremer assignor to said Best**
**Application August 23, 1937, Serial No. 160,407**
**7 Claims. (Cl. 229—52)**

6. A receptacle comprising side and end walls, side and end rim pieces disposed on the outer sides of said side and end walls and secured thereto, the end pieces having recesses at the ends thereof, angled corner brackets secured to said side and end rim pieces, the side pieces of said corner brackets having pintle holes therein alined with said recesses in said end pieces, and stacking bails provided with inturned pintles of substan-



tial length engaging said holes in said corner brackets and projecting into said recesses in said end pieces, the end portions of the corner brackets overlying the recessed portions of said end pieces.

**2,121,945**
**GLASS FEEDER**
**Harold M. Black, Jeannette, Pa., assignor to McKee Glass Company, Jeannette, Pa., a corporation of Pennsylvania**
**Application March 26, 1935, Serial No. 13,092**
**2 Claims. (Cl. 49—55)**



1. Apparatus for feeding segregated mold charges from a source of molten glass comprising a feed chamber having a feed orifice, a refractory sleeve submerged in the glass above the feed orifice and being adjustable relative to the walls of the chamber to form a regulable flow passage and a refractory plunger extending through and beyond said sleeve into the feed chamber to control the rate of flow of glass from said feed orifice, said plunger being solid at its lower portion and hollow at the top thereof, the hollow portion communicating through an opening of the plug with the space between the plunger and sleeve member and a source of negative pressure communicating with the hollow portion of the plug to determine the amount of head pressure effective on the glass in said feed orifice.

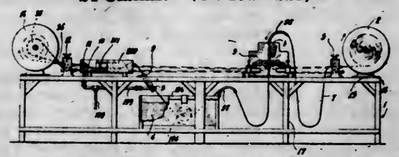
**2,121,946**
**COIN CONTROLLED APPARATUS**
**Walter A. Bockisch, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York**
**Application July 11, 1936, Serial No. 90,087**
**4 Claims. (Cl. 194—16)**

1. In a coin controlled apparatus, a coin chute, a trap therein adapted to be deflected from its normal position by the weight of a coin deposited thereon, and a common means for holding the trap in its normal position and initiating a signal when a coin is deposited, comprising a pair of tensioned contact springs, and a lug of insulating material projecting from the trap for normally separating the tensioned springs and per-



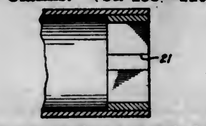
mitting the springs to engage when the trap is deflected by deposit of the coin.

**2,121,947**
**MACHINE FOR APPLYING LEGENDS TO RAZOR BLADES**
**Irving S. Bodkin, New York, N. Y., assignor to Conrad Razor Blade Co., Inc., Long Island City, N. Y., a corporation of New York**
**Application May 12, 1934, Serial No. 725,290**
**24 Claims. (Cl. 101—220)**



1. In a device of the class described, the combination of a guideway, a pair of rotatable members mounted adjacent said guideway, a belt on said rotatable members adapted to engage a strip of material and convey it along said guideway, and means for controlling the length of the portion of the belt in engagement with said strip.

**2,121,948**
**BURNER**
**Carl A. Borland, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York**
**Application May 11, 1935, Serial No. 20,979**
**7 Claims. (Cl. 158—116)**



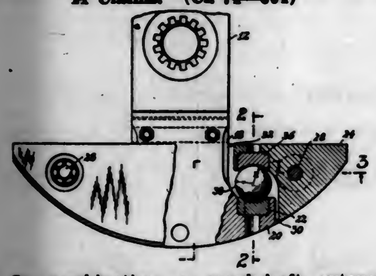
1. A burner comprising a nozzle having a main burner orifice for emitting gas at a high velocity, and an elongated auxiliary orifice with a tapering cross-section for producing an auxiliary flame having a gas velocity diminishing progressively and outwardly between the main burner orifice and the periphery of the nozzle.

**2,121,949**
**BITUMINOUS PAINT AND METHOD OF MAKING THE SAME**
**Edward James Canavan, Teaneck, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey**
**No Drawing. Application February 7, 1934, Serial No. 710,110**
**2 Claims. (Cl. 134—51)**

1. A fluid, brushable paint consisting of from

40 to 65 percent by volume of pitch from the group consisting of coal tar pitch and water gas tar pitch, from 35 to 60 percent by volume of solvent for said base, and a small amount of aluminum stearate dissolved in said solvent whereby said aluminum stearate is permanently and homogeneously distributed in dissolved form through said paint.

2,121,950
**BALL SUSPENDED DYNAMIC COUNTERWEIGHT**
Roland Chilton, Ridgewood, N. J., assignor to The Reed Propeller Co., Inc., a corporation of New York
Application January 23, 1937, Serial No. 121,975
11 Claims. (Cl. 74—604)



1. In combination, a crankshaft extension member, a counterweight member loosely embracing said crankshaft member, opposed spherical cups formed in the respective members, and balls rollably movable upon said cups upon relative rotational and longitudinal movement between said members.

2,121,951
**PAPER ARTICLE**
Kempton Clark, Little Compton, R. I., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Application April 11, 1934, Serial No. 720,066
9 Claims. (Cl. 215—38)

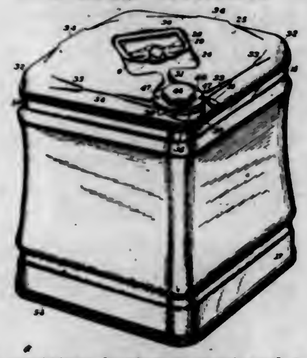


4. A water-repellant paper milk bottle cap presenting uncolored relatively slow paper stock in contact with the bottle contents, and a colored outer face layer of a colored paper stock freer than said uncolored stock.

2,121,952
**BLEACHING, WASHING, AND CLEANSING COMPOSITIONS**
Herbert Colonius, Dusseldorf, and Friedrich Weldes, Dusseldorf-Benrath, Germany, assignors to Henkel & Cie G. m. b. H., Dusseldorf-Holthausen, Germany, a corporation of Germany
No Drawing. Application March 30, 1935, Serial No. 13,932. In Germany March 31, 1934
10 Claims. (Cl. 8—2)

1. A bleaching and cleansing composition comprising an aqueous alkaline solution containing an oxygen-liberating per compound, a water soluble salt of a phosphoric acid having a lower proportion of water molecules than orthophosphoric acid, said salt being present in an amount which enhances the cleansing powers of said composition, and a difficultly soluble, colorless tin compound.

2,121,953
**CONTAINER**
Guy O. Conner, Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Original application October 16, 1934, Serial No. 748,469. Divided and this application April 3, 1935, Serial No. 14,463
10 Claims. (Cl. 221—11)



1. A container having a spout and a pouring opening communicating therewith, a cover for the spout and a separate closure for the pouring opening holding the spout cover in place.

2,121,954
**METHOD OF DEHYDRATING AQUEOUS ALCOHOLS**
George Lewis Cunningham, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application December 29, 1936, Serial No. 118,083
9 Claims. (Cl. 260—156)

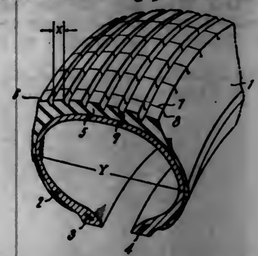
1. The method of dehydrating aqueous alcohols, wherein an aqueous alcohol is reacted with a molar quantity of alkali metal amalgam not less than the molar quantity of $H_2O$ originally present in the aqueous alcohol, said reaction being conducted in the presence of an electrically conducting but non-amalgamating electrode in contact with the amalgam and the alcohol, separating the alcoholic solution from the amalgam, heating the mixture, and recovering the thus formed anhydrous alcohol by distillation.

2,121,955
**PNEUMATIC TIRE TREAD**
Ernst Eger, Grosse Pointe Park, Mich., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application June 12, 1936, Serial No. 85,099
9 Claims. (Cl. 152—209)

1. A pneumatic tire having a carcass of strain resisting elements and an outlying tread of vulcanized and wear resistant rubber composition, said tread having an antiskid configuration and being provided with a plurality of relatively small

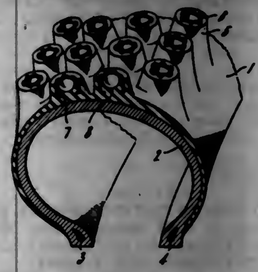


openings extending more transversely than circumferentially located between the ground-contacting surface of the tread and the underlying carcass, said tread being provided with slits ex-



tending from said openings outward to the ground contacting surface of the tread, the walls defining said slits being substantially parallel and spaced apart a substantially less distance than the width of said openings.

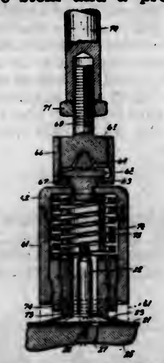
2,121,956
**NONSKID TIRE**
Ernst Eger, Grosse Pointe Park, Mich., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application July 14, 1936, Serial No. 90,511
3 Claims. (Cl. 152—211)



1. A pneumatic tire having permanently attached traction elements at least some of which comprise a cup-shaped metallic member presenting a cutting edge to a road surface, an external rubber composition covering for said member bonded thereto, said covering being externally unconfined near said cutting edge to permit the rubber composition adjacent to said edge to move relatively thereto, and a body of bonded rubber composition disposed internally thereof and incompletely filling the member and forming a thin internally unconfined covering for the interior of said cutting edge, whereby the rubber composition adjacent to said edge may be distended away from said cutting edge to permit the edge to have a cutting engagement with a road surface.

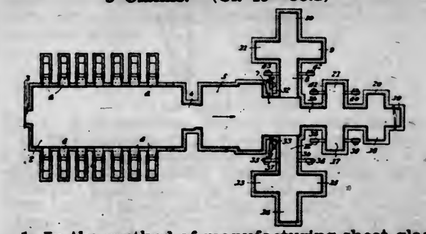
2,121,957
**APPARATUS FOR SECURING VALVE STEMS TO RUBBER TUBES**
John A. Fleischli and Joseph M. Kountzman, St. Louis, Mo., assignors to Cupples Company, Manufacturers, St. Louis, Mo., a corporation of Missouri
Application April 29, 1935, Serial No. 18,778
19 Claims. (Cl. 154—9)

16. In an apparatus for securing the base of a valve stem to a rubber tube, a pressing device comprising a presser having an opening to receive the valve stem and a pressing face sur-



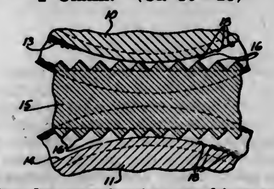
rounding said opening, said pressing face being yieldable to conform to the base of the valve stem.

2,121,958
**MANUFACTURE OF SHEET GLASS**
Laurence P. Forman, Oakmont, and William Pancoast, Jeannette, Pa., assignors to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 23, 1936, Serial No. 107,192
5 Claims. (Cl. 49—83.1)



1. In the method of manufacturing sheet glass wherein the glass is rendered into a molten state in a melting furnace and caused to flow through a channel into a drawing chamber from which the sheet is drawn from the bath of molten glass, the step of blowing a cooling, non-combustible gas into the channel between the melting furnace and the drawing chamber in sufficient quantity to create a pressure in the channel greater than that obtaining within the melting furnace.

2,121,959
**DEVICE FOR ROUGHENING ROLL SURFACES**
George H. Frank, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 11, 1935, Serial No. 53,941
1 Claim. (Cl. 80—16)

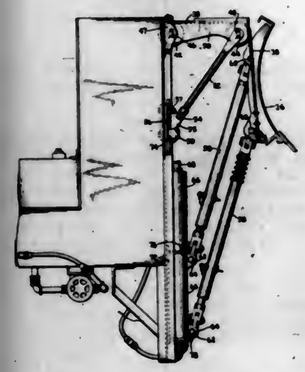


A device for roughening working surfaces of rolling mill rolls comprising a substantially

straight bar of substantially uniform cross section throughout its length adapted to be inserted and completely passed lengthwise between cooperating rolling mill rolls by the rotation of one of the rolls while said rolls are in their working positions, said bar having a hard outer surface and a relatively soft interior, and a series of transverse cutting teeth on said outer surface adapted to contact with and roughen the working surface of one of the rolls while said bar is passed between said rolls.

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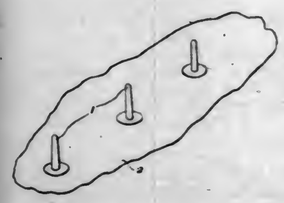
**2,121,960**
**WING CRANE FOR SNOW PLOWS**
**Carl H. Frink, Clayton, N. Y.**
**Application April 27, 1937, Serial No. 139,125**
**5 Claims. (Cl. 37—42)**



1. In snow plow apparatus mounted on a motor truck, a levelling wing, a strut for holding said wing away from said truck, separate means for vertically adjusting the outer and inner ends of said strut, and means effective under certain conditions for operatively interconnecting said separate adjusting means whereby operation of one of them will adjust both ends of said strut.

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**2,121,961**
**TRAFFIC MARKING DEVICE**
**Alan Findlay Gill, Ottawa, Ontario, Canada**
**Application October 7, 1936, Serial No. 104,358**
**3 Claims. (Cl. 94—1.5)**



1. Traffic marking means for pavements comprising a series of posts arranged in line, said posts consisting of a hollow flexible structure and extending above the pavement to a height slightly greater than the road clearance of a standard motor vehicle, and means for removably mounting each of said posts in the pavement.

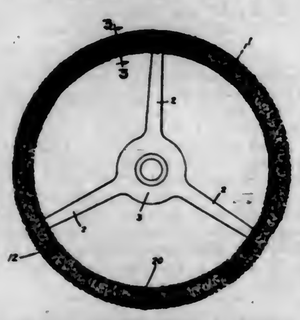
**2,121,962**
**SOUNDPROOF WALL STRUCTURE AND STRUCTURAL MEMBER FOR USE THEREIN**
**Alexander Glass, Wheeling, W. Va., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va., a corporation of West Virginia**
**Application April 16, 1936, Serial No. 74,679**
**12 Claims. (Cl. 72—46)**



1. A wall having sound-proof characteristics, comprising a load-supporting skeleton structure, a lath and plaster surface portion of the wall connected with said skeleton structure so as to be carried thereby, sound-proofing material interposed between adjacent parts of the skeleton structure and surface portion, and means concealed from the outside of the wall maintaining the sound-proofing material in place.

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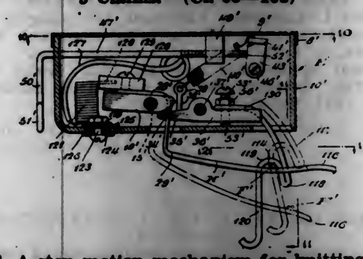
**2,121,963**
**COVER FOR STEERING WHEEL RIMS**
**Kenneth E. Gelt, Minneapolis, Minn.**
**Application February 1, 1937, Serial No. 123,379**
**5 Claims. (Cl. 74—558)**



1. A cover for the rim of a vehicle steering wheel consisting of a continuous unbroken tubular inner ring of elastic material and a non-elastic tubular outer ring of non-heat-and-cold conducting material encircling the inner ring and secured thereto, said outer ring being split to permit stretch of the inner ring in the region of said split, said two rings also being split circumferentially at their inner sides to facilitate introduction, by stretching the inner ring, over the rim.



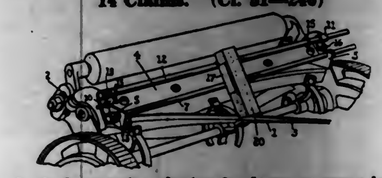
**2,121,964**
**STOP MOTION FOR KNITTING MACHINES**
**Joe W. Hamilton, Los Angeles, Calif., assignor of forty-five percent to Reynolds Jennings Hamilton, Los Angeles, Calif.**
**Application November 18, 1936, Serial No. 111,365**
**5 Claims. (Cl. 66—163)**



2. A stop motion mechanism for knitting machines comprising a movable guide designed to be balanced in a predetermined position during normal operation of the machine by the yarn passing thereover, a movable contact element, a fixed contact element, connections between said guide and said movable element to cause said movable element to move into contact with said fixed element upon movement of said guide away from said predetermined balancing position and a looped lever cooperating with said movable guide provided with an extension to limit insertion of the yarn upon said guide, the loop of said lever serving to hold said yarn upon said guide when said guide is in said normal balancing position.

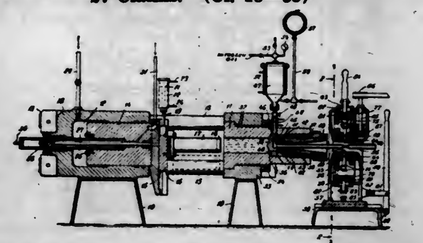
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**2,121,965**
**LAWN MOWER SHARPENER**
**Clayton D. Himebaugh, Burr Oak, Mich.**
**Application May 6, 1935, Serial No. 19,999**
**14 Claims. (Cl. 51—246)**



1. A sharpening device for lawn mowers having rotary knives and a cutter bar, comprising a pair of jaw supporting members adapted to engage the cutter bar near the ends thereof and having alined holes, adjustable cams on corresponding jaws of said jaw members for changing the effective opening between the jaws thereof, a first rod disposed through said holes, a pair of end members on said first rod, a second rod held by said end members in spaced parallel relation to said first rod, one of said end members being fixed and the other slidable longitudinally relative to said rods, coiled tension springs connected to corresponding jaws of said jaw members, hooks on the outer ends of said springs for engaging said second rod with the springs embracing the cutter bar, screws threaded to said end members for adjusting the angle of the end members relative to the cutter bar and about said first rod as an axis, a hone carriage pivoted to said second rod and resting on said first rod for sliding movement longitudinally of both ends, the carriage having a channel-like hone seat extending transversely of said rods, and a hone removably fitting said seat and projecting therefrom for sharpening the rotary knives as the carriage is moved back and forth and the rotary knives are revolved.

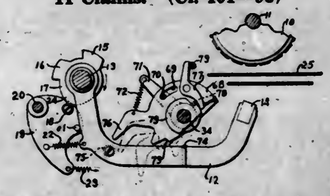
**2,121,966**
**PROCESS OF MOLDING SYNTHETIC RESINS AND LIKE PLASTIC MATERIALS**
**Conrad C. Jacobson, Glen Ridge, N. J., assignor to John Robertson Company, Incorporated, Brooklyn, N. Y., a corporation of New York**
**Application November 12, 1934, Serial No. 752,562**
**27 Claims. (Cl. 18—55)**



1. The process of molding plastic material which is non-form-retaining but which is capable of being rendered form-retaining by a curing operation which comprises extruding a tubular sheath-mold of substantially solid material, substantially simultaneously extruding the plastic material into the extruded sheath-mold, thereby filling the sheath-mold with plastic material as it is extruded, curing the plastic material within the sheath-mold to a substantially form-retaining state, and subsequently stripping substantially the whole of the sheath-mold from the cured material to obtain a form-retaining rod of the cured plastic.

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**2,121,967**
**CASH REGISTER**
**Leo G. A. Kömmling, Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland**
**Application August 20, 1935, Serial No. 37,067**
**In Germany August 30, 1934**
**11 Claims. (Cl. 101—93)**



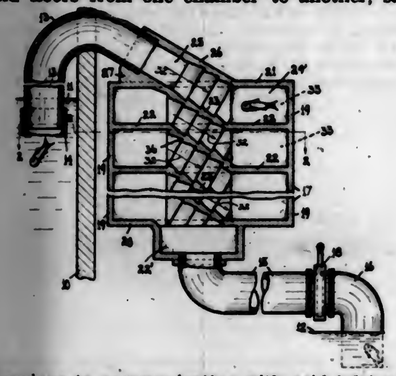
1. In a printing device adapted to print optionally upon a check or slip, the combination of an impression hammer; means to impart two impression strokes to the hammer each machine operation; and means, rendered effective by the hammer during its first impression stroke in a slip printing operation, to prevent the second impression stroke of said hammer.

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**2,121,968**
**FISH LADDER**
**Edward E. Kuehl, Verdigre, Nebr.**
**Application June 10, 1936, Serial No. 84,430**
**7 Claims. (Cl. 61—21)**

1. A fish ladder comprising a roof, bottom and side walls providing an enclosed housing having an inlet and an outlet for water, a plurality of floors within the housing for providing a plurality of chambers between said floors, and interior divisional walls and steps within the housing pro-

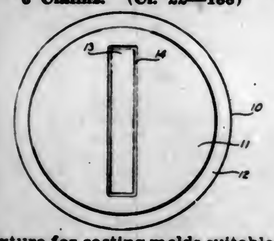
viding inclined passageways extending between said floors from one chamber to another, said



chambers in communication with said inlet and outlet.

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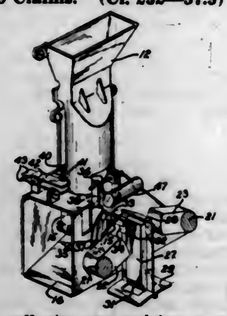
2,121,969
MOLD
Alfred W. Laird, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 5, 1936, Serial No. 99,549
6 Claims. (Cl. 22—188)



4. A mixture for casting molds suitable for high temperature metals, consisting of from 50% to 85% fused magnesium oxide and respectively from 50% to 15% hydrated calcium oxide.

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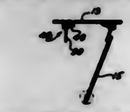
2,121,970
COIN CONTROLLED APPARATUS
Morton L. Landreth, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 11, 1936, Serial No. 90,085
9 Claims. (Cl. 232—57.5)



1. A coin collector comprising a coin hopper, a pivoted coin directing vane in the hopper, and a single coil electromagnet adjacent to the hopper having a permanently magnetized armature directly connected to the coin directing vane.

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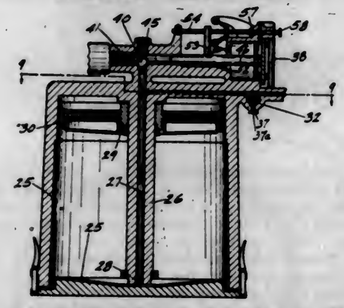
2,121,971
COIN CONTROLLED APPARATUS
Morton L. Landreth, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original application July 11, 1936, Serial No. 90,085. Divided and this application January 29, 1937, Serial No. 122,969
2 Claims. (Cl. 232—57.5)



2. In a coin controlled apparatus, a coin chute, a hinged coin trap in the chute deflectable from its normal position by deposit of a coin, a pivoted vane normally positioned to arrest the movement of the trap caused by deposit of a coin thereon, means for rotating the vane to release the arrested trap and subsequently restoring the vane, and a pivotally mounted member on the trap adapted to swing free of the vane as the vane is rotated from its normal position and to engage the vane during the restoration of the vane for returning the trap to normal.

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2,121,972
PORTABLE GREASE GUN
Merwyn B. Linton, Tyler, Tex., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware
Application June 9, 1932, Serial No. 616,173
35 Claims. (Cl. 221—47.1)



10. A lubricating gun comprising, a cylinder having a plunger therein, a tubular member communicating with the cylinder and permanently secured to and extending at an angle from the cylinder, a piston guided by the extension, and a removable lubricant cartridge secured to the cylinder enclosing the member and piston.

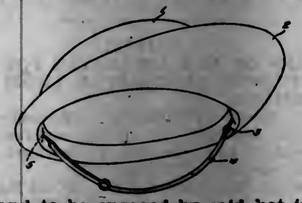
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2,121,973
HAT FASTENER
Ruby Lipton, New York, N. Y.
Application November 22, 1937, Serial No. 175,809
8 Claims. (Cl. 132—58)

1. A device for retaining a hat upon the head of the wearer comprising a band having loops at each end thereof, cords inserted through the said loops, said cords having attached thereto pins



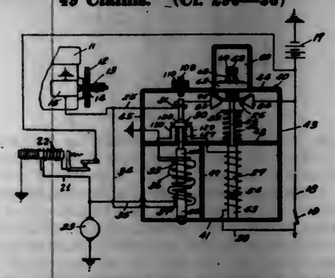
which are adapted to be secured to the hat at spaced points adjacent the base of the brim



thereof and to be engaged by said hat in self-locking relationship.

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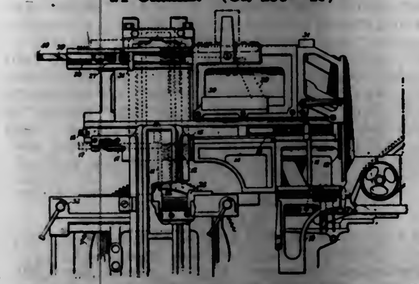
2,121,974
AUTOMATIC STARTING SYSTEM FOR ENGINES
Leslie K. Lochr and Wayne E. Burdick, Los Angeles, Calif., assignors to The Startomatic Corporation, a corporation of Nevada
Application October 29, 1928, Serial No. 315,620
49 Claims. (Cl. 290—36)



1. In a combination of the class described: an engine; a starting motor for cranking said engine; a source of energy; a starting-motor circuit embracing said starting motor and said source of energy; means for opening and closing said starting-motor circuit; and means dependent upon rotation of said starting motor for holding said starting-motor circuit open.

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2,121,975
SLUG CASTING MACHINE
Richard R. Mead, Queens Village, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application July 9, 1936, Serial No. 89,740
14 Claims. (Cl. 199—49)



1. A line stop for the first elevator or line transporter of a typographical machine comprising spaced slide bars, and a friction creating member fixedly secured to one of said bars.

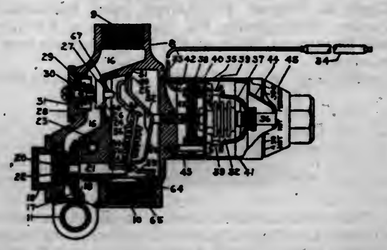


2,121,976
METHOD FOR INCREASING THE OILINESS VALUE OF LUBRICATING OILS AND LUBRICATING OILS PREPARED BY SUCH METHOD
Louis A. Mikeska and Charles A. Cohen, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 29, 1934, Serial No. 759,736
10 Claims. (Cl. 87—9)

1. Improved lubricating oil composition comprising a mineral lubricating oil containing dissolved therein a small amount of a synthetic ester boiling above 150° C. and having the characteristics of increasing the oiliness of said lubricating oil, said ester having been treated to improve its oiliness properties with a solid sorptive agent without subsequent heating sufficient to cause decomposition or polymerization of the thus treated ester.

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2,121,977
TEMPERATURE CONTROL SYSTEM
Robert E. Newell, Youngwood, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application August 24, 1935, Serial No. 37,748
6 Claims. (Cl. 236—15)



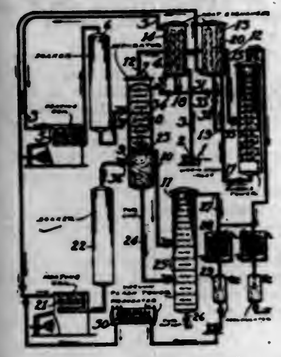
1. In a temperature control system, a main heating burner, an auxiliary burner, a dual valve structure comprising a casing having one inlet and two outlets, a snap acting valve arranged to control the flow of fuel through one outlet to said main burner and a gradual acting valve arranged to control the flow of fuel through the second outlet to the auxiliary burner, and a thermostat for operating said valves and arranged as the temperature increases to first close said snap acting valve and thereafter to close said gradual acting valve.

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2,121,978
CRACKING PROCESS
Albert C. Patterson, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 11, 1936, Serial No. 90,045
4 Claims. (Cl. 196—49)

1. In a two-circuit cracking process, in which two stocks of different degrees of refractoriness are separately cracked under pressure, the steps which comprise discharging said cracked stocks into separate separating zones maintained under superatmospheric pressure, separately collecting a tar from each of said separating zones and discharging said tars into a common vaporizing zone maintained under a lower pressure, the tar from the more refractory stock being introduced into said zone at a point below the point of introduction of the tar from the less

refractory stock and the liquid constituents of the latter being impeded in their downward flow



and being passed counter-currently to the vapors evolved from the former.

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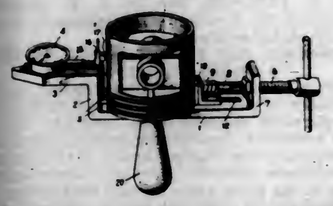
**2,121,979**
**STAYBOLT AND METHOD OF MANUFACTURING THE SAME**
**William B. Peirce, Pittsburgh, and Nicholas J. Kouche, Bridgeville, Pa., assignors to Flannery Bolt Company, Bridgeville, Pa., a corporation of Delaware**
**Application May 11, 1936, Serial No. 79,026**
**5 Claims. (Cl. 10—27)**



1. The method of forming a staybolt which comprises forming a blank of round metal stock, producing an annular kerf in said stock adjacent one end thereof thereby dividing the blank into a body portion and a head portion connected by an intervening neck portion of reduced diameter, and subsequently forging the head portion to produce a square head having a diameter less than the diameter of the body portion and subsequently threading the body portion of the blank.

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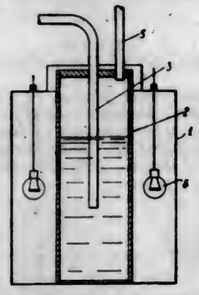
**2,121,980**
**MEASURING APPARATUS**
**Carroll W. Prochaska, Mount Vernon, N. Y.**
**Application July 29, 1936, Serial No. 93,128**
**2 Claims. (Cl. 33—174)**



1. Apparatus for measuring the expansion of a piston skirt, comprising a frame, a pair of lugs providing a seat for the piston head, means to apply resilient pressure to the piston head to hold it against the seat, and a gauge on said frame engaging the piston skirt at a point above said lugs.

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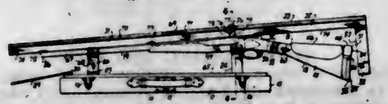
**2,121,981**
**PROCESS OF AND APPARATUS FOR MANUFACTURING SACCHAROSE FROM FORMALDEHYDE**
**Eugène Albert Prudhomme, Kremlin-Bicetre, France, assignor, by mesne assignments, to Carboxhyd Ltd., Geneva, Switzerland, a joint-stock company of Switzerland**
**Application December 3, 1934, Serial No. 755,698**
**In France July 19, 1930**
**6 Claims. (Cl. 204—31)**



1. The process for manufacturing saccharates from formaldehyde which comprises passing a gas containing formaldehyde into water containing an alkaline-earth oxide, and subjecting the water containing the formaldehyde and the alkaline-earth oxide to the action of rays of luminous energy filtered through a reddish-orange-colored medium.

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**2,121,982**
**TRY-GUN OUTFIT**
**Edwin Pugsley, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland**
**Application March 5, 1936, Serial No. 67,198**
**3 Claims. (Cl. 206—16)**



1. A try-gun outfit comprising: an adjustable takedown try-gun; a takedown straight-edge from which gun measurements are taken; supporting means for said try-gun when in assembled condition and detachable therefrom; a carrying-case constructed to receive said try-gun and said straight-edge only in their taken-down condition, said carrying-case being provided with means for supporting said try-gun supporting means in operative assembled-try-gun-supporting and gun-measurement-taking position with said carrying-case resting in stable supporting position.

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**2,121,983**
**VARIABLE RESISTOR**
**Henry G. Richter, Westfield, N. J.**
**Application January 16, 1935, Serial No. 2,001**
**17 Claims. (Cl. 201—56)**

5. A variable resistor comprising a continuous wire-wound resistance element, a contact movable thereover, and an insulation support ex-



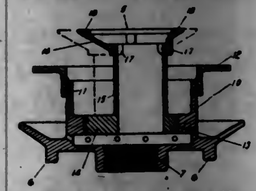
ternal of the elements and forced against the outside of said element, said support being coated



with a conductive coating contacting with a part of said element.

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**2,121,984**
**ADJUSTABLE DRAIN CONNECTION**
**Edward M. Rieger and Melvin A. Zurn, Erie, Pa., assignors to J. A. Zurn Manufacturing Company, Erie, Pa., a corporation of Pennsylvania**
**Application October 10, 1936, Serial No. 105,074**
**2 Claims. (Cl. 285—33)**



1. In an adjustable drain connection, in combination, a base member having an internally threaded circular flange portion, an extended adjusting nipple having a threaded eccentrically disposed flange on one end thereof in engagement with the threaded portion of said base member, and a strainer head having an eccentrically disposed opening in engagement with the other end of said nipple.

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**2,121,985**
**SHOWER BATH**
**Harold Davidson Robertson, Vancouver, British Columbia, Canada**
**Application May 10, 1937, Serial No. 141,683**
**In Canada May 19, 1936**
**2 Claims. (Cl. 4—151)**

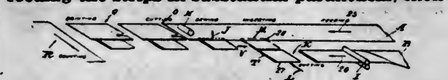


1. A shower bath structure comprising a water container having a gravity spraying device and a suspending means consisting of a drum having a flexible member wound thereon adapted to carry the container, spring means for winding the member upon the drum and manually operable means for holding the drum against rotation in one direction.

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**2,121,986**
**METHOD FOR MAKING HAIR WAVING PADS**
**Curt J. Rohland, East Providence, R. I., assignor to The Nestle-Lemur Company, New York, N. Y., a corporation of Ohio**
**Application August 22, 1935, Serial No. 37,285**
**3 Claims. (Cl. 112—262)**

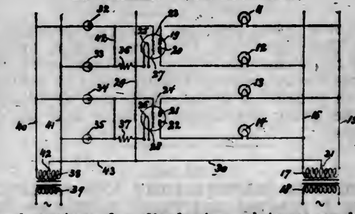
1. The process of making sewn hair waving pad units from a continuous strip of absorbent material and a continuous strip of weak non-absorbent wrapper material, which comprises feeding the strips in substantial parallelism, then



cutting the absorbent strip into pieces, then moving the pieces transversely to assemble them with the wrapper strip, then uniting the pieces and the wrapper strip together by sewing and then cutting the wrapper strip into pieces.

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**2,121,987**
**ELECTRICAL ARRANGEMENT FOR DISPLAYING PICTURES AND COMMUNICATIONS**
**Kurt Rosenberg, Berlin, Germany, assignor, by mesne assignments, to American Epok Inc., New York, N. Y., a corporation of New York**
**Application May 14, 1935, Serial No. 21,332**
**In Germany June 6, 1934**
**10 Claims. (Cl. 177—346)**



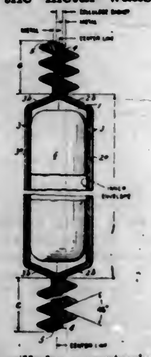
1. A system for displaying pictures and communications by means of a lamp field, the lamps of which are controlled by light responsive devices arranged to be illuminated in accordance with the desired display—said system comprising a plurality of lamp groups, each group consisting of at least one lamp; discharge vessels, each vessel comprising at least an anode and a cathode establishing a discharge gap between them and means controlling said discharge, said gap permitting the flow of current only in a certain direction and upon application of a certain voltage to its controlling means; means adapted to connect a source of current alternately changing its direction with series-arrangements each comprising a discharge vessel and a pair of said lamp groups and including unidirectional means for controlling the flow of current through each of said lamp groups; light responsive devices arranged in pairs, each pair of them being connected with the same electrodes to said controlling means to control the start of flow of current through said vessel while the other electrodes are adapted to be connected to a source of alternating voltage, said sources of current and voltage to be of the same frequency and substantially in phase and each of said pairs of lamp groups and light responsive devices connected to opposite poles of their respective sources.

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**2,121,988**
**METAL CONTAINER**
**Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers Lee Company, Newark, N. J., a corporation of Delaware**
**Application January 30, 1936, Serial No. 61,461**
**2 Claims. (Cl. 206—46)**

1. A hermetically sealed container comprising, a pair of metal plates substantially coextensive with each other, said plates being each centrally deformed in opposite directions from each

other to form a commodity enclosure, a completely enclosed commodity envelope of cellulose material disposed within the area formed by said opposed deformed portions of said plates, said envelope preventing contact of an enclosed commodity with the metal walls of the con-



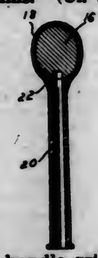
tainer, and fused cellulose material disposed between the contacting surfaces of said opposed plates to hermetically seal said enclosure, said surfaces being provided with meshed corrugations to provide a baffle effect, the structure as a whole being substantially light and gas-impervious.

2,121,989

**COMBINED HANDLE GRIP AND WEAPON**

Arthur J. Schnase and Harry S. Skinner, Chicago, Ill., assignors of one-third to Robert M. Hawk

Application December 1, 1937, Serial No. 177,525
8 Claims. (Cl. 74—543)



1. A combined handle grip and weapon comprising a tubular shaft portion adapted to fit over a control lever and an enlarged head portion secured to the shaft portion and forming a grip for operation of the lever.

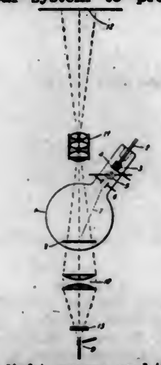
2,121,990

**TELEVISION**

Fritz Schröter, Berlin, and Arthur Schleede, Leipzig, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application August 4, 1934, Serial No. 738,430
In Germany July 27, 1933
3 Claims. (Cl. 178—7.5)

1. In a television receiver, the combination of a cathode ray structure containing a fluorescent screen, a constant intensity light source arranged to irradiate one face of said screen, a light filter and optical system interposed between said light source and screen, means for directing a beam of electrons upon the opposite face of said screen to control the light of the screen, and an optical system to project the image



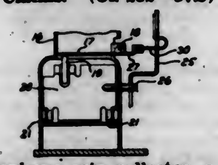
formed by the light source and the beam of electrons on said screen upon a viewing screen.

2,121,991

**COIN CONTROLLED APPARATUS**

Emil Sirp, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application July 11, 1936, Serial No. 90,077
7 Claims. (Cl. 232—57.5)



4. In a telephone coin collector, a hopper for receiving a deposited coin, a hinged coin trap in the hopper, a pivoted coin directing member within the hopper, means for actuating the member on its pivots, and cooperating cam elements on the trap and said actuating means for tripping the trap to release the deposited coin and restoring the trap to its normal position.

2,121,992

**PURIFICATION OF TITANIUM FLUORIDE SOLUTIONS**

Melvin J. Sterba, Riverside, Ill., assignor, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application February 28, 1936, Serial No. 66,223
16 Claims. (Cl. 23—88)

3. The method of removing suspended particles from a water solution of a titanium fluoride salt which comprises adding to a titanium fluoride salt solution a compound taken from the group consisting of sodium phosphate, sodium hydroxide, sodium carbonate and potassium hydroxide under such conditions that a stable adsorbent flocculent titanium compound is formed, agitating said flocculent compound with said first solution and separating said compound from said solution.

2,121,993

**CORD REEL FOR STAND LAMPS**

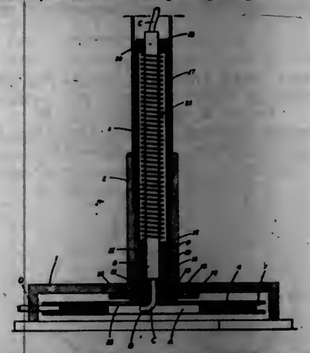
Christopher Richard Stocks, Sacramento, Calif.

Application August 10, 1937, Serial No. 158,340
8 Claims. (Cl. 242—107)

1. A cord reel assembly for a lamp having a hollow base and a tubular standard, said assembly



comprising a reel adapted to be disposed horizontally within the hollow base of the lamp, a vertical spindle projecting upward from the reel and adapted to extend into the tubular lamp standard, means to secure the spindle against longitudinal movement without restricting the rotation thereof, a helical torque spring surrounding



the spindle, and means connecting the spring at one end with the spindle and at the other end with the standard; said last named means comprising a non-turnable bushing mounted within the standard, about the spindle, and a thrust element surrounding the spindle and fixed thereon, said element engaging the upper end of the bushing.

2,121,994

**STOP FEED PLUG FOR TEXTILE KNITTING MACHINES**

Charles Strzalkowski, Milwaukee, Wis.

Application February 10, 1936, Serial No. 63,195
Renewed May 27, 1937
10 Claims. (Cl. 66—126)



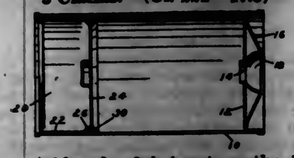
1. In a full-fashioned hose knitting machine, the combination with a thread carrier having a guide tube through which the thread travels, of a removable plug manually insertible in said tube against said thread for holding the thread against movement in said tube during normal operation of the machine.

2,121,995

**FILLET PISTON PACKING**

George O. Tayler, Cicero, Ill., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware

Application April 26, 1937, Serial No. 138,869
3 Claims. (Cl. 221—47.3)



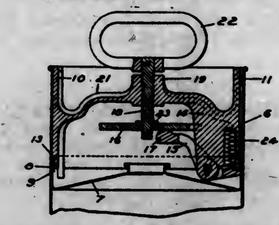
1. A cartridge for lubricant or the like comprising a hollow body, a piston slidably mounted in said body and a packing for the piston including a ring of yieldable material of triangular cross section with a straight side of the section lying against the body side wall and another side of the section engaging the face of the piston at its periphery and the third side of the section being exposed to the cartridge contents throughout its entire area.

2,121,996

**LUBRICATING DEVICE**

Harry R. Tear, Evanston, Ill., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware

Application September 19, 1936, Serial No. 101,573
9 Claims. (Cl. 221—47.1)



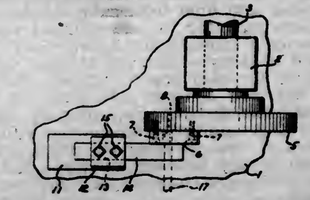
1. In combination with a cartridge having a fixed end and a piston forming a slidable closure for its other end, a piston guide comprising, a body member adapted to be slidably received in the cartridge, clamp means for detachably securing said member to the piston, and manual means carried by said member for operating said clamp means.

2,121,997

**ARTICLE FORMING APPARATUS**

Francis P. Tikalsky, La Grange Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 12, 1937, Serial No. 147,927
3 Claims. (Cl. 164—60)



1. In an apparatus for cutting tubular stock into predetermined lengths, a rotatable disc, a cutter mounted eccentrically on said disc for movement in a circular path during the rotation of the disc and having a semicircular notch cut therein which terminates in a shearing edge, and a guide positioned adjacent said disc for directing stock against the face of said disc in the path of the cutter, said guide and cutter having cooperating shearing edges for shearing from the body of the stock lengths of stock equal in length to the thickness of the cutter.

2,121,998

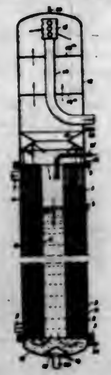
**KEROSENE**

Joshua A. Tilton, Baton Rouge, La., assignor to Standard-I. G. Company

No Drawing. Application August 1, 1936, Serial No. 93,765
6 Claims. (Cl. 196—150)

1. As a new composition of matter, a kerosene containing approximately 5 to 50% of a hydrogenated polymerized olefine having a molecular weight of approximately 125 to 225.

**2,121,999**
**VERTICAL HEAT EXCHANGER**
**Georges Trépaud, La Rochelle, France**
**Application May 2, 1936, Serial No. 77,462**
**In France May 7, 1935**
**1 Claim. (Cl. 257—224)**



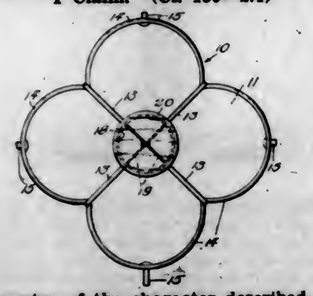
A vertical heat exchanger comprising a vertical casing, upper and lower tube sheets mounted in said casing and dividing the same in an upper chamber, a middle chamber and a lower chamber, a vertical central tube of large diameter axially disposed in the casing between the said tube sheets and connecting said lower chamber to said upper chamber, vertical tubes of small diameter disposed in the annular space formed between the said casing and central tube and also connecting the lower chamber to the upper chamber, means for admitting a liquid refrigerant into said central tube, means for withdrawing vapors from said upper chamber, means for admitting a fluid to said annular space and for withdrawing said fluid from said annular space, baffle plates mounted in said annular space so as to provide a substantially helical path for the fluid, and a double-frustrum shaped deflector mounted in the said upper chamber, the lower part of the said deflector overlying the upper ends of the said vertical tubes of small diameter so as to reject liquid projected out of said tubes and direct it into said central tube, and the upper part of said deflector guiding liquid separated in said upper chamber also into said central tube.

**2,122,000**
**HUMIDIFIER CONTROL APPARATUS**
**Archie H. Beasley and David H. Donahoe, Kannapolis, N. C.**
**Application December 27, 1935, Serial No. 56,369**
**17 Claims. (Cl. 236—44)**



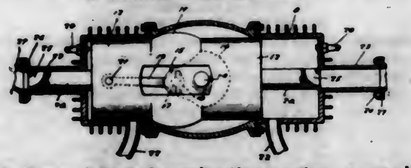
17. A humidifier control mechanism for textile mills, including means for clamping one end of a plurality of separate parallel textile strands; means for tensioning the textile strands; a slidably movable member to which the other ends of the textile strands are operatively connected; means urging said member away from the textile strands, humidifying mechanism, means controlling the discharge of moisture from the humidifying mechanism; and means operated by a movement of the member upon an expansion of the textile strands due to evaporation of moisture therefrom acting to operate said humidifying means to discharge more moisture into the air and upon a predetermined contraction of the strands acting to operate said humidifying means to decrease or cut off the discharge of moisture.

**2,122,001**
**BAG FOR HOT OR COLD PACKS**
**Marjorie E. Carel, Chicago, Ill., assignor to Frank E. Seitz, Glencoe, Ill.**
**Application October 5, 1936, Serial No. 104,116**
**1 Claim. (Cl. 150—2.4)**



Apparatus of the character described, including: a pack comprising bottom and top members, said members each comprising a plurality of substantially wedge-shaped portions of flexible, water-proof material, seamed together and sealed to the coinciding portion of the other member at the outer edge thereof, said top member having a central opening therethrough, the seams extending radially a substantial distance from said opening but the distance from said edge to said opening being greater intermediate said seams than at said seams; a filler device comprising an annulus of rigid material sealed to said top member about said opening, said annulus having a transverse member extending thereacross, and a closure therefor; and means connecting the center of said bottom member to said transverse member, said means comprising a link movable with respect to said transverse member.

**2,122,002**
**INTERNAL COMBUSTION ENGINE**
**Joseph W. Catron, Bigelow, Mo.**
**Application January 25, 1937, Serial No. 122,265**
**2 Claims. (Cl. 123—56)**

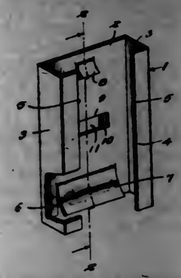


1. In an internal combustion engine, a crank case, power cylinders secured to the crank case at the respective opposite ends of the latter, a piston having relatively opposite end portions working in said cylinders, a crank shaft journaled in the crank case and having shaft sections extending through slots in diametrically opposite sides of said piston, a crank connecting the crank shaft sections internally of the piston, a connecting rod connecting said crank with the piston,



said cylinders being provided with exhaust ports, and means to deliver an explosive charge to said cylinders alternately comprising a pair of valve cylinders extending axially from opposite ends of the first mentioned cylinders, respectively, and a pair of solid valve rods, slidably fitting into said valve cylinders and extending axially from opposite ends of the piston, respectively, each rod being provided in the outer end thereof with an arcuate fuel delivery port opening at the ends thereof onto the outer end and peripheral face of the rod.

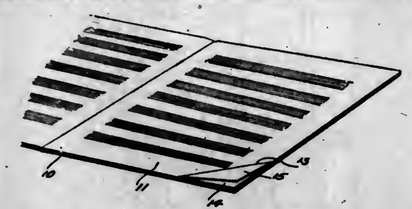
**2,122,003**
**CARTRIDGE HOLDING DEVICE**
**Leonard W. Cooper, La Grande, Oreg.**
**Application September 24, 1936, Serial No. 102,419**
**3 Claims. (Cl. 224—15)**



3. A cartridge carrier, comprising an elongated receptacle having back and side edge walls and front wall flanges extending inwardly from the side edge walls and having their opposing edges spaced apart to provide a longitudinal opening, both ends of the receptacle being entirely open, a resilient cartridge retaining member carried by said back wall adjacent to and lying entirely inwardly of one end thereof, said retaining member consisting of a resilient metallic body projecting from the back wall toward said longitudinal opening and yieldable to facilitate introduction of cartridges but opposing their removal from the adjacent open end, a resilient tongue carried by the back wall at the end remote from said body and extending obliquely of the receptacle toward the adjacent end and adapted to yieldably retain a group of cartridges in the receptacle whereby the application of pressure on the cartridges will effect the yielding of the tongue to permit the cartridges to be removed, said tongue and member being disposed entirely between the ends of the holder, said holder when filled having the cartridges disposed transversely therein with the ends thereof engaged by said front wall flanges, the said retaining member being formed to engage the top of the topmost one of the cartridges, and means carried by the rear wall of the receptacle facilitating the vertical mounting of the same on a supporting body.

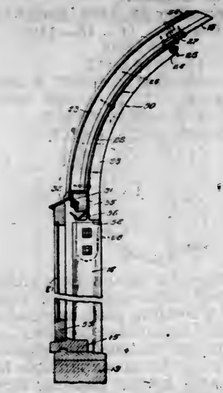
**2,122,004**
**PAGE TURNING TAB**
**Gertrude L. de Give, Atlanta, Ga.**
**Application November 21, 1934, Serial No. 754,155**
**Renewed November 24, 1937**
**4 Claims. (Cl. 281—38)**

4. A tab for facilitating the turning of leaves, comprising a square flat blank folded from one corner to an opposite corner to provide a pair of triangular shaped portions of similar size and formation, one positioned above the other with the free edges of the upper portion flush with the free edges of the lower portion, and a leaf



adhering substance on the under surface of the lower of said triangular shaped portions.

**2,122,005**
**GREENHOUSE CONSTRUCTION**
**Philip J. Foley, Jr., River Forest, Ill., assignor to The Foley Greenhouse Manufacturing Company, a corporation of Illinois**
**Application June 7, 1937, Serial No. 146,936**
**4 Claims. (Cl. 189—4)**

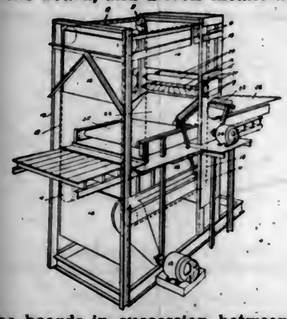


1. In a greenhouse construction: a rigid side wall; a plurality of upwardly extending inwardly curved metallic members on said side wall; a purlin connecting the ends of the metallic members; a wooden joist extending from the end of each curved member to the ridge and supporting the glass of the roof, said wooden joists being free from any continuous support, and wooden members mounted upon said metallic members supporting a glass side wall extension, each of said wooden members being flush at one end with a joist to provide an unbroken line from ridge to side wall, and whereby the support for the roof glass and the support for the side wall extension glass form a continuous unbroken line.

**2,122,006**
**DEWOOLING MACHINE**
**Colin Jolly, Coogee, John Wilson Archibald, Dulwich Hill, and Herbert Jacob Solomon, Sydney, New South Wales, Australia**
**Application June 22, 1937, Serial No. 149,750**
**7 Claims. (Cl. 149—25)**

1. A dewooling machine comprising a pair of parallel oppositely disposed pulling rollers provided with helical strips of rubber on the surface of each of said rollers, spaced boards each adapted to carry a skin with the wool exposed on each

face of the board, and driven means adapted to



draw the boards in succession between the said rollers.

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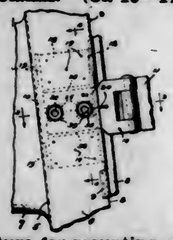
2,122,007

**MOUNTING FOR HINGES OR THE LIKE**

Lawrence J. Kearney, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 23, 1936, Serial No. 112,311

17 Claims. (Cl. 16—149)



1. In a structure for mounting a hinge butt or the like to a sheet metal supporting member, the combination of a holding plate secured at its opposite ends to the supporting member, said holding plate having an intermediate depressed portion providing a cavity, an expansible hinge butt in the cavity, and means passing through the hinge butt for expanding the same for securing the same to the holding plate.

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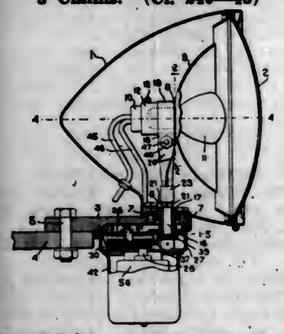
2,122,008

**SIGNAL LIGHT**

Ernest R. Marsters, Boston, and Harold S. Bird, Belmont, Mass.

Application February 10, 1937, Serial No. 124,990

3 Claims. (Cl. 240—48)



1. A signal light comprising a stationary lamp housing, a shaft extending vertically into said housing, a combined reflector and socket unit having a hub portion, and a member for supporting said unit from the shaft, said member having a portion encircling and clamped to the hub portion of the unit and another portion secured directly to the shaft.

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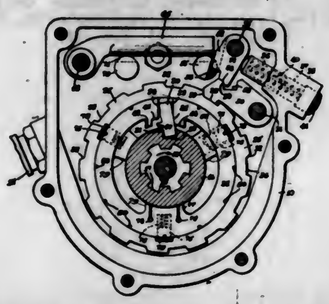
2,122,009

**NO-ROLL-BACK BRAKE FOR AUTOMOBILES**

Carl A. Matson, Swampscott, Mass., assignor of one-half to John B. Jameson, Concord, N. H.

Application September 14, 1934, Serial No. 744,006

1 Claim. (Cl. 192—4)



In a no-roll-back brake of the kind described, a driving shaft, a cramping member partly encircling said drive shaft, means encircling said cramping member and adapted to be clutched by the distortion of said cramping member to hold the shaft against reverse rotation, and means providing a preliminary friction engagement between said cramping member and said encircling means in combination with an operating key contacting on the ends of said member.

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2,122,010

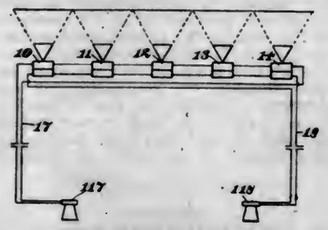
**SYSTEM FOR THE RECEPTION AND REPRODUCTION OF SOUND**

Lawrence Francis Savage and Cyril John Francis, London, England

Application September 8, 1937, Serial No. 162,932

In Great Britain July 23, 1936

10 Claims. (Cl. 179—1)




10. A system for the reception and reproduction of sound from a sound field, comprising a plurality of laterally disposed sound responsive devices, means rendering said sound responsive devices individually responsive substantially only to sounds originating in different parts of the said field, each of which sound responsive devices comprises a pair of individual microphone



elements, a pair of sound reproducing devices, means combining the outputs of one microphone of each responsive device for connection to one reproducing device, means combining the outputs of the other microphone of each responsive device for connection to the other reproducing device, the microphones of one set having diminishing outputs from a maximum at one end of the lateral row and the other set being reversely conditioncd.

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2,122,011

**DENTAL FILLING COMPOSITION**

Friedrich Schoenbeck, Berlin-Riesenthal, and Erich Czapp, Berlin, Germany

No Drawing. Application April 15, 1935, Serial No. 16,532. In Germany April 17, 1934

9 Claims. (Cl. 106—6)

1. Manufacture of a dental cement of the setting type distinguished by the incorporation in such cement of cellulose filaments treated to render them non-swelling and non-absorptive.

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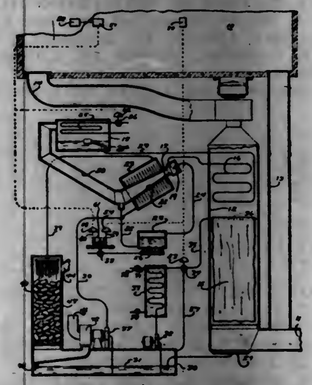
2,122,012

**REFRIGERATING APPARATUS**

Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application December 1, 1933, Serial No. 700,497

26 Claims. (Cl. 62—6)



26. An apparatus for conditioning air or the like comprising air flow means, means for contacting air at said air flow means with an affinitive medium, a refrigerating system including a refrigerant liquefying unit and a refrigerant evaporator in heat exchange relationship with air in said air flow means, and means utilizing waste heat from said liquefying unit for reactivating said affinitive medium.

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2,122,013

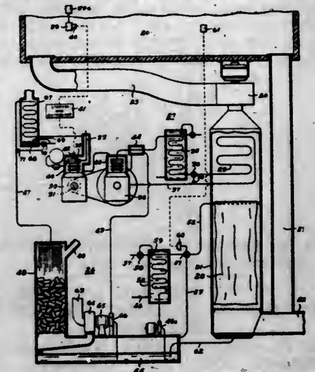
**REFRIGERATING APPARATUS**

Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application December 1, 1933, Serial No. 700,498

7 Claims. (Cl. 62—6)

3. The method of conditioning a gas which comprises contacting said gas with an affinitive medium and thermally exchanging heat between said gas and an expanding refrigerant, reliquefying said refrigerant thus expanded by the aid of the transformation of potential energy into rotary kinetic energy with the evolution of heat,



and utilizing said heat to reactivate said absorbing medium.

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2,122,014

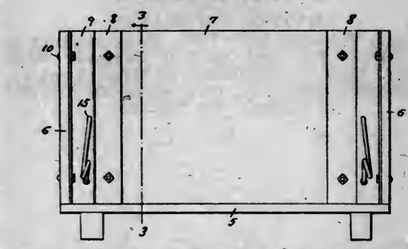
**END GATE**

John A. Stellner, Mansfield, S. Dak.

Application March 2, 1937, Serial No. 128,663

Renewed May 4, 1938

1 Claim. (Cl. 296—52)



In combination with the side boards and end gate of a wagon body, a vertically arranged angle plate connected to an end of each side board, on the inner face thereof, the free edge of the inwardly extending flange being bent into hook shape, a pair of plates secured to the end gate adjacent the ends thereof, each plate having its outer edge bent outwardly into hook shape to engage the hook-shaped part of an angle plate and a spring latch member connected with the inwardly extending flange of each angle plate and having a bent free end and the hook shaped parts having perforations therein receiving said bent ends.

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2,122,015

**SPARK PLUG**

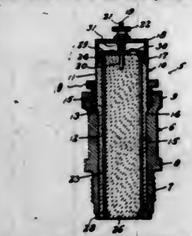
Alfred A. St. John, Manchester, N. H.

Application July 10, 1936, Serial No. 89,974

6 Claims. (Cl. 123—169)

1. A spark plug of the character described comprising a spark plug shell having a plurality of circumferentially spaced sparking points on its lower end, a core mounted in the shell and having a plurality of circumferentially spaced electrodes extending longitudinally therethrough, said core being formed with protective openings in the lower end thereof in which said electrodes project adjacent corresponding ones of the spark-

ing points, and adjustable contact means on the upper end of the core in conjunction with a bind-



ing post for selectively energizing different ones of the electrodes simultaneously.

2,122,016

## PRODUCTION OF CARAMEL COATINGS AND THE LIKE

William W. Stokes, Seattle, Wash., assignor to Washington Chocolate Company, Seattle, Wash., a corporation of Washington

No Drawing. Application November 5, 1934, Serial No. 751,582

7 Claims. (Cl. 99—134)

1. A process of producing a product for use in the manufacture of coatings and the like, which comprises cooking together milk and sugar to caramelize the mixture, and thereafter drying and working the mixture until it grains and assumes a dry form.

2,122,017

## CONTROL APPARATUS

Frank I. Williams, Hyde Park, Mass., assignor to American Tool and Machine Company, Hyde Park, Mass., a corporation of Massachusetts

Application March 19, 1931, Serial No. 523,765

10 Claims. (Cl. 200—35)



1. Control apparatus of the class described comprising a pair of indicators manually movable from initial position to an advanced position, one of said indicators having spaced abutments on opposite sides of the other indicator and disposed in the path of movement of the other of said indicators and operative to limit its movements in both directions relative to the first indicator, means for automatically moving one of said indicators from advanced position back to initial position, interconnected electric circuits including a plurality of switches, and connections between said switches and indicators constructed and arranged to operate the switches successively during the advance movement of the indicators and during the return movement again to operate the switches successively in reverse direction.

2,122,018

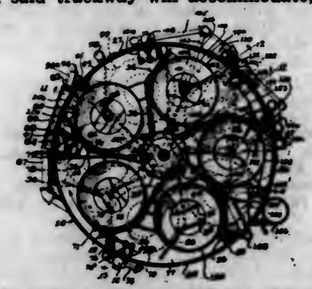
## CAN WASHING MACHINE

Frank F. Wolf, Cattaraugus, N. Y., assignor to Oakes & Burger Co., Inc., Cattaraugus, N. Y., a corporation of New York

Application November 22, 1934, Serial No. 754,287

11 Claims. (Cl. 141—7)

1. In a machine for washing and sterilizing milk cans, the combination of a trackway upon which said cans are arranged in single file in an inverted position, said trackway accommodating a predetermined number of said cans, means for providing stations along said trackway which in number are greater than the number of said cans which said trackway will accommodate, certain



of said stations having means for subjecting said cans one at a time to the action of various fluid mediums which are employed to wash and sterilize them and means for moving said cans individually along said trackway step-by-step while permitting each of them to pause a predetermined interval at each of said stations.

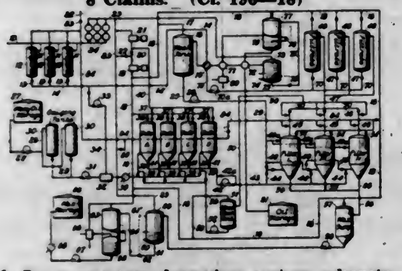
2,122,019

## SEPARATION OF WAX FROM OILS

Chester E. Adams, Hammond, Ind., and Fred W. Scheineman, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 1, 1934, Serial No. 755,602

8 Claims. (Cl. 196—18)



1. In a propane dewaxing system wherein a waxy oil is dissolved in propane at elevated temperatures and pressures, cooled to solidify the wax in readily separable form, mechanically separated into wax and diluted oil and finally freed from the propane diluent, a filter vessel containing a filter element, a conduit for withdrawing wax slurry from said filter vessel, positive means for moving wax through said conduit and means for forcing a wax slurry into said vessel through the same conduit through which wax is removed therefrom.

2,122,020

## PUMPING APPARATUS

Frank S. Barks, St. Louis, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri

Application September 16, 1936, Serial No. 101,031

4 Claims. (Cl. 103—195)

1. In a pump, a cylinder, a hollow piston therein, a priming cup having an opening adapted to receive fluid for delivery to the cup, said piston having valve means, the piston crossing said



opening upon movement toward the cup, the piston being adapted to enter said cup and having a length such as to instantaneously close said opening upon continued movement to force fluid through the piston to said cylinder and upon further continued movement to place said cylinder into communication with said opening whereby lubricant under pressure is delivered both to the cylinder for charging and to said opening for overflow, a chamber having a communication with the cylinder, valve means in the communication, and a reciprocating differential means having portions of different volumetric displace-



ments passing through said chamber and organized to reciprocate with said piston, said chamber having an outlet, a valve in said outlet, said piston pumping through said valves in the communication to said chamber and having a displacement adapted to force lubricant through said outlet and to supply lubricant to the chamber, said differential means effecting increase of volume of the chamber while said piston forces lubricant thereto, the decreased volume of said chamber effected by said differential means upon a reverse stroke effecting a compression of lubricant through said outlet.

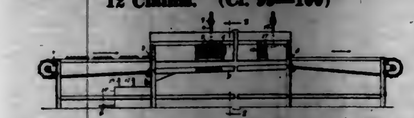
2,122,021

## METHOD OF AND APPARATUS FOR PROCESSING FIGS

Leonard C. Beckwith, Berkeley, Richard D. Leuschner, Merced, and Free Fordham, Turlock, Calif., assignors to The Bear Creek Company, Merced, Calif., a corporation of California

Application June 8, 1936, Serial No. 84,098

12 Claims. (Cl. 99—100)



1. A method of processing figs including the steps of conveying the figs through a finely divided spray of hot water.

2,122,022

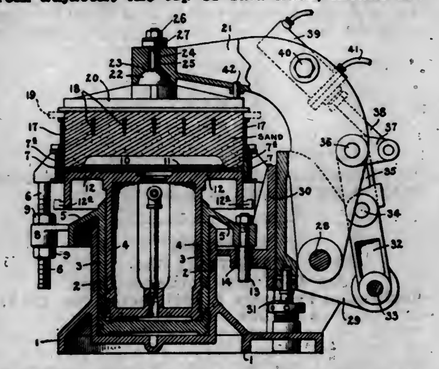
## MOLDING APPARATUS

Donald J. Campbell, Spring Lake Township, Ottawa County, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan

Application October 21, 1935, Serial No. 45,907

18 Claims. (Cl. 22—25)

1. A molding machine comprising, means for supporting a flask to contain sand for a mold, a pattern associated therewith, means for supporting said pattern, a pressure head above said flask, means for moving said flask upwardly toward said pressure head for the purpose of compressing sand into the top side of said flask into said flask from adjacent the top of said flask, means for



maintaining the flask in its upper position, and means for raising said pattern plate and pattern while the flask is in its upper position for the purpose of compressing sand from the lower side of the flask into said flask and against the pattern.

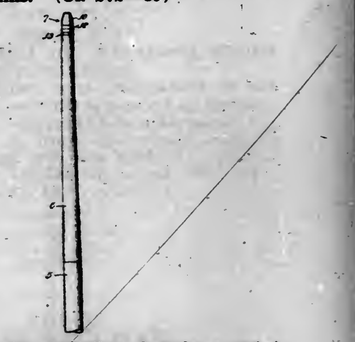
2,122,023

## JAVELIN

Harry W. Campbell, Los Angeles, and Tom S. Graham, Inglewood, Calif.

Application December 27, 1937, Serial No. 181,868

9 Claims. (Cl. 272—59)



1. A javelin having a hollow ferrule, a point for the javelin comprising a resilient tip portion and a light weight body mounted in the end of the ferrule and having means for fixing the tip to the ferrule.

2,122,024

## COIN DIVIDER

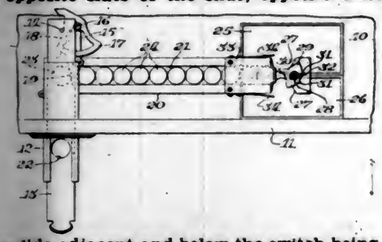
Alfred F. Chouinard, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.

Application January 19, 1937, Serial No. 121,325

8 Claims. (Cl. 193—31)

1. In a coin handling device having a substantially horizontal slide along which coins may be pushed to discharge from an end thereof, the combination with said slide of a switch pivotally carried on said slide at the discharge end thereof to cause successive coins engaging the

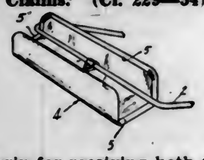
switch to be alternately deflected and discharged at opposite sides of the slide, opposite sides of



the slide adjacent and below the switch being cut away to provide coin drop notches.

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**2,122,025**
**CARRYING BAG**
**Jay D. Crary, Portland, Oreg.**
**Application February 1, 1937, Serial No. 123,451**
**4 Claims. (Cl. 229—54)**



4. A hand-grip for receiving both flexible handles of a carrying bag, said hand-grip being U-shaped and formed of sheet material, the ends of said hand-grip being reinforced for strengthening the corners thereof, and means formed in the hand-grip for securing the same to either flexible handle of the carrying bag.

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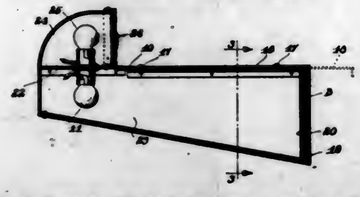
**2,122,026**
**SHOCK ABSORBER FOR DRIFT RECORDING INSTRUMENTS**
**Joe W. Culbertson, West Hollywood, Calif., assignor to Technical Oil Tool Corporation, Ltd., a corporation of California**
**Original application April 3, 1935, Serial No. 14,479. Divided and this application October 23, 1936, Serial No. 107,217**
**11 Claims. (Cl. 33—205.5)**



1. In combination; a tubular housing closed at its ends; a receptacle movable axially in the housing; pneumatic means disposed in the housing between said receptacle and the upper end of the housing for cushioning the receptacle against axial shock in both directions; and resilient means in the housing between the lower end thereof and said pneumatic means for aiding the latter in cushioning the receptacle against shock when the latter is moved downwardly, and for returning the pneumatic means to a normal axial position in the housing.

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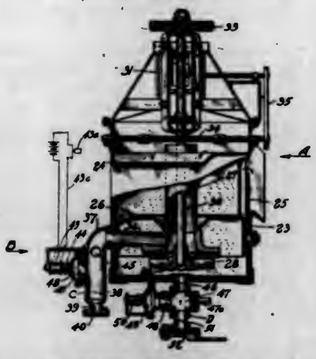
**2,122,027**
**ILLUMINATED LICENSE PLATE TAILLIGHT**
**Albert Czarny and Frank Czarny, St. Paul, Minn.**
**Application May 21, 1935, Serial No. 22,552**
**3 Claims. (Cl. 40—133)**



1. A license plate including a casing having an open side and an open top, said casing being tapered in such a manner that the open top is substantially wider adjacent said open side than at the opposite side thereof, translucent means in said open side for providing an illuminated license display, inwardly extending flanges along the tapered sides of said casing and tapered top closure means slidably secured beneath said flanges of said casing, said top closure wedging into closed position, and quickly slidable into open position entirely disengaging from said casing when pulled out a fraction of the length thereof.

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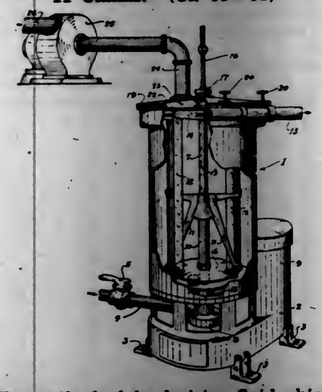
**2,122,028**
**ORE TREATING SYSTEM**
**Arthur C. Daman, Denver, Colo.**
**Application May 15, 1934, Serial No. 725,746**
**17 Claims. (Cl. 209—18)**



1. In ore-treating apparatus for froth flotation, comprising a flotation tank having a pulp inlet near its bottom, and a froth overflow near its top, a separator located beneath the flotation tank and connected at its top therewith, said separator having means for subjecting the contents thereof to a jigging action, and means for producing an upward flow of liquid from the separator into the bottom of the flotation tank.



**2,122,029**
**METHOD OF DEODORIZING**
**Elmer M. Davis, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware**
**Application December 29, 1934, Serial No. 759,623**
**11 Claims. (Cl. 99—61)**



1. The method of deodorizing fluid which comprises preheating the fluid, causing the fluid to travel in a thin film, impinging jets of steam against said travelling film of fluid and immediately and continuously removing steam and volatile gases.

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**2,122,030**
**ELECTRICAL CONNECTION MEANS**
**Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana**
**Application May 31, 1935, Serial No. 24,250**
**29 Claims. (Cl. 173—328)**

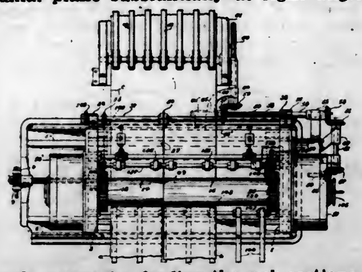


1. A plurality of conductor terminal receiving means including an undulating wall made from sheet metal stock, said wall comprising a plurality of undulations, each undulation forming at least two spaced walls of one of said conductor terminal receiving means, each terminal receiving means having a predetermined number of detent means, and each having resilient means for biasing said detent means into cooperative relation with conductor terminals, the amplitude of any given one of said undulations being dependent upon the predetermined maximum number of detent means of that conductor terminal receiving means of which said given undulation forms a part.

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**2,122,031**
**DUPLEX CUT-OFF**
**Thomas S. Fitchett and Henry B. Greenwood, Glenarm, Md., assignors to F. X. Hooper Company, Inc., Glenarm, Md., a corporation of Maryland**
**Application February 25, 1937, Serial No. 127,656**
**22 Claims. (Cl. 164—61)**

1. In a machine for cutting blanks from the sections of a slit web the sections being of predetermined variable widths, of two pairs of cutters and two pairs of cutter carriers therefor the corresponding carriers of the respective pairs being arranged end to end in substantial alignment and the adjacent ends of the respective pairs of cutters being in close relation to a longitudinal plane substantially at right angles to



the web, means for feeding the web sections substantially in a single plane between the cutters of the respective pairs, means for operating the cutters at independently variable speeds and means for adjusting the two pairs of carriers transversely of the feed of the web to cause the adjacent ends of the pairs of cutters to conform to the edges of the web on each side of the slit.

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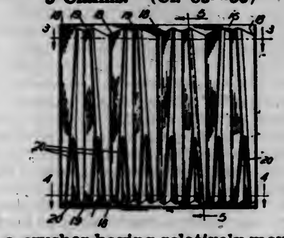
**2,122,032**
**COVERED LADLE**
**Max W. Goldberg and Wallace W. Drissen, Port Washington, Wis.**
**Application June 15, 1936, Serial No. 85,287**
**2 Claims. (Cl. 22—81)**



2. A metallic ladle cover having depending edge flanges, insulating brick comprising a single slab of less size than the cover and having tapered side edges with its smallest surface positioned against the inner side of the cover, hardened refractory material of different composition than said brick filling the spaces between the edges of said brick and the cover flanges, and means for securing the brick to the cover whereby the tapered edges of the brick lock the refractory material in place.

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**2,122,033**
**JAW CRUSHER PLATE**
**Charles V. Hallenbeck, Denver, Colo.**
**Application April 30, 1935, Serial No. 19,008**
**5 Claims. (Cl. 83—53)**

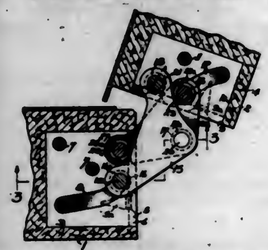


3. In a crusher having relatively movable jaws, a removable crusher plate for each jaw, the

crushing surfaces of the plates being provided with laterally contiguous sets of continuous pressure ridges extending in the general direction of the movement of material through the crusher, the height of one set of ridges decreasing in the direction of the movement of material and the height of another set increasing in said direction through at least a portion of its length and until the height of the ridges of said sets reach a common plane, the ridges of identical sets on opposing plate surfaces being staggered, and in opposed relation to the ridges of said other sets.

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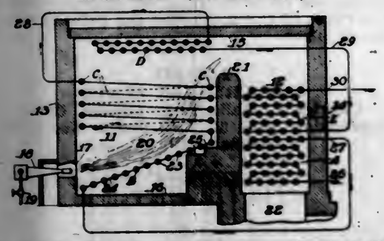
**2,122,034**
**HINGE**
**Johann Jackle, Detroit, Mich.**
**Application March 19, 1937, Serial No. 131,757**
**6 Claims. (Cl. 16—166)**



1. A hinge comprising hinge plates having opposed legs in which aligned slots are formed, two sets of links arranged alternately one link of one set upon one link of the other set, bosses formed on one side of each link of one set upon each of which one link of the other set is pivoted, a pivot pin extending through all said links and said bosses, a guide pin extending through each set of links having its extremities slidable in two of the slots, and means holding each set of links in spaced and parallel relation throughout their entire length.

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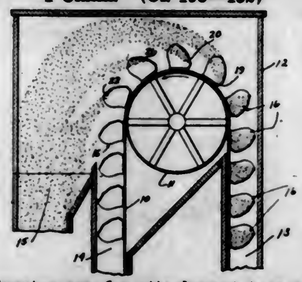
**2,122,035**
**TUBE HEATER**
**Godfrey W. Larson, Kansas City, Mo., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana**
**Application December 30, 1933, Serial No. 704,803**
**12 Claims. (Cl. 122—356)**



1. A tube heater comprising a radiant section, a convection section, a bridge wall disposed between said radiant section and said convection section, at least one fuel burner entering said radiant section near the bottom thereof and opposite said bridge wall, the flames from said at least one burner passing generally upward and across said radiant section towards the top of said bridge wall, and a row of heating tubes disposed generally below said flames and tilting upwards toward said bridge wall, the floor of said radiant section being disposed immediately below and substantially parallel to said row of heating tubes.

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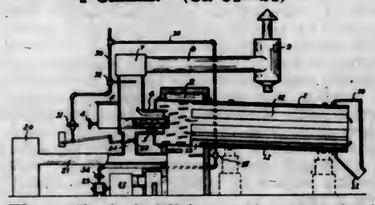
**2,122,036**
**ELEVATOR CUP**
**Carl Edwin Lindburg, Moline, Ill., assignor to K. I. Willis Corporation, Moline, Ill., a corporation of Illinois**
**Application May 13, 1937, Serial No. 142,350**
**1 Claim. (Cl. 198—152)**



An elevator cup for attachment to a conveyor belt bendable over a vertical wheel, said cup including ends, a flat back for attachment to a conveyor belt, and a bottom formed of a plurality of angularly disposed flat sections, the innermost section being relatively short and being inclined at an obtuse angle to the back, the other sections being inclined successively upwardly and inwardly at a slight angle to each other, the uppermost section providing a discharge surface disposed at an angle of substantially forty degrees to said back, so that grain normally begins to discharge therefrom when the cup ascends on the belt to a position on the upper side of the wheel at an angle of approximately forty-five degrees from the vertical axis of the wheel and the cup is substantially empty when the cup descends to an angle of approximately thirty degrees above the horizontal axis of the wheel.

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**2,122,037**
**UTILIZATION OF WASTE GASES**
**Adolph W. Lissauer, Louisville, Ky., assignor to Louisville Drying Machinery Company, Incorporated, Louisville, Ky., a corporation of Kentucky**
**Application July 27, 1936, Serial No. 92,832**
**4 Claims. (Cl. 34—24)**

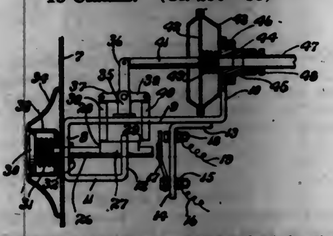


1. The method of utilizing waste gases of originally insufficient temperature for drying a material comprising, generating auxiliary gases of more than sufficient temperature to dry the material, mixing the waste gases with the auxiliary gases to bring the temperature of the mixture up to the requisite temperature for drying, drying the material by contact with the mixed gases moving in a single pass through the drying process, controlling the relative proportions of waste and auxiliary gases in dependence upon both the temperature of mixed gases prior to drying the material and the temperature of the exhaust gases after drying the material and continuously exhausting the entire volume of mixed gases from the drying process in order to avoid a high back pressure upon the source of waste gases.

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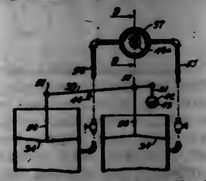
**2,122,038**
**STARTER CONTROL**
**Frank E. Liverance, Jr., Grandville, Mich.**
**Application October 19, 1936, Serial No. 106,396**
**18 Claims. (Cl. 290—38)**



1. In combination, an engine, electric starting motor therefor, electric circuit in which the motor is included, and a switch in the circuit, movable means manually operable for closing the switch, means for automatically locking said movable means in switch closing position, and engine operated means automatically unlocking said switch closing means to free the same and thereby open the switch when the engine starts.

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**2,122,039**
**PULSATING JIG**
**Leland H. Logue, Denver, Colo., assignor to Denver Patent Company, Denver, Colo.**
**Application May 6, 1935, Serial No. 20,015**
**12 Claims. (Cl. 209—457)**

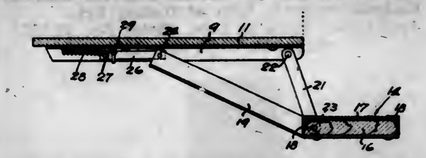


1. A jig of the character described, comprising a tank having a feed inlet and a discharge outlet determining a liquid level therein, a screen dividing the tank into a sluice compartment and a hutch therebelow, means for alternately increasing and decreasing the capacity of the hutch in a cyclic movement, and a driven valve-element cooperative with said means for introducing into the hutch pressure fluid in an amount corresponding to the capacity increase, said valve-element and said means being relatively timed to introduce said fluid during the capacity increase.

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**2,122,040**
**STEP**
**Fred J. Machovec, Monterey, Calif.**
**Application October 16, 1936, Serial No. 105,624**
**7 Claims. (Cl. 280—166)**

2. In a step of the character described, the combination with frame members, of a support element, a tread formed on the outside end of the element, the inner portion of said element being arranged at an obtuse angle from the inner end of the tread toward the frame, a rocking fulcrum substantially at the meeting line of said tread and said obtuse inner portion, and rocking



means pivotally connected to the inner end of the obtuse inner portion to guide said end into abutting relation to said frame on either side of the pivot of the rocking support.

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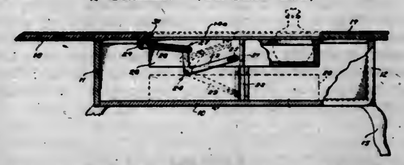
**2,122,041**
**METHOD AND PRODUCT OF SHOE-CONSTRUCTION**
**Marshall Marasco, University City, Mo.**
**Application January 31, 1936, Serial No. 61,682**
**7 Claims. (Cl. 12—142)**



1. Those steps in the manufacture of a shoe which consist in first providing an upper-structure including a lining having its respective lower side margins widened at the shank, then mounting the upper-structure on a last, then laying one margin over the shank of the last in non-adherent relation thereto, and then laying the other margin over the first mentioned margin in adherent relation thereto.

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**2,122,042**
**COMBINATION CELLARET COCKTAIL TABLE**
**Anthony O. Mattucci, Chicago, Ill.**
**Application July 26, 1937, Serial No. 155,685**
**2 Claims. (Cl. 312—164)**



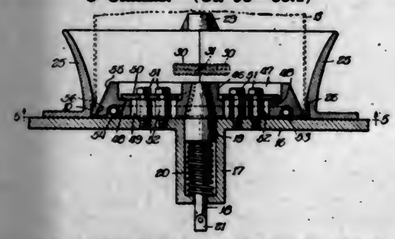
1. In a combination furniture unit adapted for use as a cellaret and cocktail table, a cabinet having substantially parallel opposite end walls and opposite side walls; a plurality of legs for supporting said cabinet; a pair of top panels normally forming a top for said cabinet, each thereof being slidably mounted on the upper edges of the said cabinet side walls for opening movement in opposite directions; a receptacle-holding rack disposed in said cabinet; guide means for guiding said rack in upward and downward vertical movement; a lever means comprising a bell crank lever connecting said receptacle-holding rack and one of said top panels whereby the opening movement of said top panel will elevate said receptacle-holding rack.

2,122,043
**METHOD OF PRODUCING CHARACTERS**
John H. Pollard, Dallas, Tex., assignor of one-half to Arthur S. Barron and one-half to Richard Burdick, both of Dallas, Tex.
Application April 2, 1936, Serial No. 72,227
10 Claims. (Cl. 101—129)



1. The method of producing characters on an open mesh wire fabric which consists in, passing a plastic material through a silk screen stencil onto a sheet of decalcomania paper to form a transfer sheet, placing an open mesh wire fabric over the characters on said sheet, passing a plastic compound through a stencil, whereby said compound enters the interstices of the fabric and is applied to the characters on the transfer sheet, and then removing the sheet so that the characters thereon adhere to the plastic compound on said fabric and are displayed thereon.

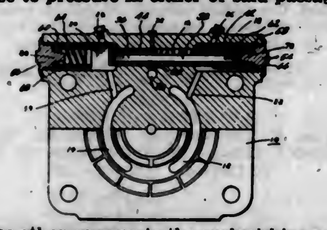
2,122,044
**CARTON ASSEMBLING MECHANISM**
Henry K. Powell, Chicago, Ill., assignor, by mesne assignments, to President and Directors of the Manhattan Company, New York, N. Y., a corporation of New York, as trustee for Gibson Patent Containers, Ltd., a corporation of New South Wales, Australia
Application July 16, 1936, Serial No. 90,858
8 Claims. (Cl. 93—55.1)



1. In a device of the type described, means for positioning a rim member, means positioned above said rim member for flexing an edge of a container inwardly past one portion of the rim, and means positioned below and inwardly of said flexing means for thereafter expanding said edge outwardly past another portion of said rim.

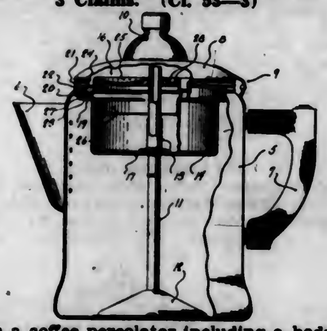
2,122,045
**POWER TRANSMISSION**
Edwin L. Rose and Ralph L. Tweedale, Waterbury, Conn., assignors to The Waterbury Tool Company, Waterbury, Conn., a corporation of Connecticut
Application October 22, 1935, Serial No. 46,142
15 Claims. (Cl. 60—53)

1. In combination with a fluid pressure energy translating device having a pair of fluid passages with respect to which the high and low pressure sides of the device are transposable, a combined replenishing and relief valve comprising means defining a valve bore, means forming a conduit communicating between said bore and a source of replenishing fluid, conduit means connecting the bore at spaced points with each of said fluid passages, a valve unit reciprocable in the bore and having portions oppositely exposed to the pressure in said fluid passages and operable in response to pressure in either of said passages to



open the other passage to the replenishing source, and means responsive to excessive pressure for causing said valve unit to open communication between the passage which is under pressure and a point of low pressure.

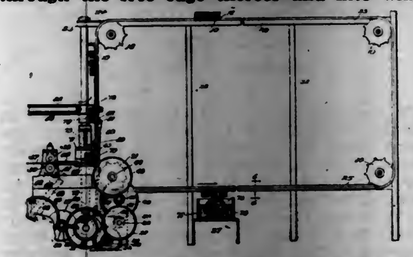
2,122,046
**PERCOLATOR**
Adolph L. Rosenheimer, Jr., Kewaskum, Wis., assignor to Kewaskum Aluminum Company, Kewaskum, Wis., a corporation of Wisconsin
Application November 6, 1936, Serial No. 109,401
3 Claims. (Cl. 53—3)



1. In a coffee percolator including a body and a cover therefor, an inset for the body including a hollow stem and a coffee basket mounted thereon, a spreader plate unit adapted to fit the open top of the coffee basket, said spreader plate unit being substantially cup-shaped and having an imperforate side wall with both ends thereof adapted to telescope into the open top of the basket and having a perforated bottom wall which acts strictly as a spreader plate when the unit is mounted in the coffee basket with the bottom wall uppermost and which provides a perforated bottom for a water reservoir when the unit is inserted into the coffee basket with said bottom wall lowermost, and an outwardly projecting stop on the side wall of the spreader plate unit medially of the two ends thereof adapted to engae the upper marginal edge of the coffee basket for limiting the telescoping of said spreader plate unit into the coffee basket in each instance.

2,122,047
**MATCH COMB CONVEYER OR CARRIER**
Herbert J. Sauvage, Chicago, Ill.
Application November 29, 1935, Serial No. 52,170
11 Claims. (Cl. 144—51)

1. In a match making machine, a traveling conveyer, flights carried by the conveyer, match comb holding means carried by the flight and comprising laterally spaced members extending in directions transverse to the longitudinal axis of the flight and arranged perpendicular to the flight, alined seats in said members opening through the free edge thereof and into which



seats one edge of the match comb is inserted, and anchoring means disposed adjacent, but outside of one of said seats for removably anchoring the comb in the last said seat, the comb projecting into and being freely movable in the other of said seats.



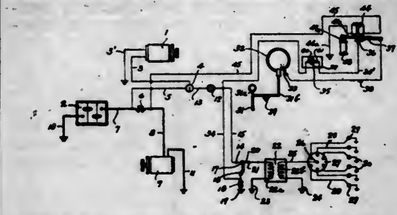
2,122,048
**FACIAL AND TOILET TISSUE HOLDER**
Joseph M. Shapiro, New York, N. Y.
Application August 17, 1935, Serial No. 36,686
1 Claim. (Cl. 206—57)



A tissue holder having a flap connected with one of its sides, the free end of the flap being adapted to be tucked into the holder, said flap being provided with fastening means, and the holder being also provided with fastening means adapted to engage the fastening means on the flap, the fastening means of the flap and the holder being out of alignment with each other when the flap is completely tucked into the holder, a portion of said flap being arched away from the holder when the fastening means of the flap are in engagement with the fastening means on the holder whereby to permit the holder to be suspended from a suitable bar or other supporting means.

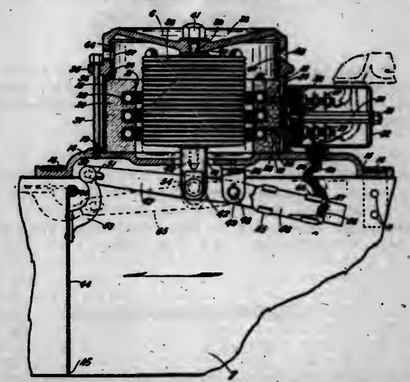
2,122,049
**SAFETY DEVICE**
Edward A. Stark, Waldport, Oreg.
Application April 18, 1936, Serial No. 75,151
3 Claims. (Cl. 123—196)

1. The combination with an engine of the character described, having an ignition circuit and having an oiling system maintained under pressure by the operation of the engine; of a safety device including a shunt circuit for diverting the ignition circuit from the engine, and a switch controlling the diverting circuit and adapted to be retained open by pressure of oil in the oiling system and permitted to close when the oil pressure is below a predetermined amount, and a time delay switch in the shunt circuit that will be opened incident to starting of the



engine and closed after a predetermined interval.

2,122,050
**RETARD AIR CONTROL FOR STOKERS**
Fred W. Stuart, Cincinnati, Ohio
Application October 13, 1936, Serial No. 105,427
9 Claims. (Cl. 110—72)

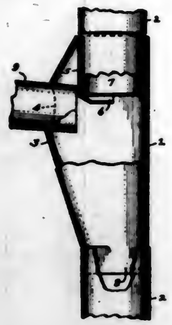


1. In a retard air control for stokers the combination of a constant speed motor, a fan driven by the motor, a circuit for said motor, a heat producing electrical resistance wired in parallel with the circuit, a heat responsive, expansion element adjacent the resistance, means for varying the rate of movement of the expansion element, an air conduit for the fan, a shutter, pivotally interposed in the air conduit, means associated with the expansion element and the shutter to open and close said shutter and comprising a lever having a fulcrum disposed substantially centrally thereof, an arm positioned on the shutter and pivotally engaging an end of the lever, and means for connecting the expansion element to the lever intermediate the fulcrum and the arm connecting means, and a switch in series in the resistance circuit and associated with the lever, said switch being adapted to break the resistance circuit when the shutter is open and to energize said resistance circuit when the shutter is in an intermediate or closed position.

2,122,051
**CONDUCTOR FITTING**
Warren W. Baird, Pittsburgh, Pa., assignor of one-fourth to Charles W. Vollenweider, Pittsburgh, Pa.
Application August 20, 1936, Serial No. 97,013
3 Claims. (Cl. 285—210)

1. A rain conductor fitting comprising the combination of a hollow vertically disposed sheet

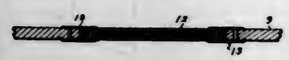
metal body having open upper and lower ends, one side of said body having an out-set wall provided with a tap opening and gradually widening said body from respective ends of the lat-



ter to said tap opening, and a connecting sleeve secured to the upper end of and depending into said body and having its lower end disposed below the top of said tap opening.

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**2,122,052**
**CONVEYER BELT**
**Charles R. Bell, Rosharon, Tex.**
**Application December 17, 1936, Serial No. 116,309**
**5 Claims. (Cl. 198—199)**



1. In a harvesting machine an endless traveling apron formed of flexible, inelastic material and having an elastic section incorporated therein and extending from edge to edge of the belt.

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**2,122,053**
**PROCESS OF MANUFACTURING POROUS METALLIC BODIES**
**Hans Burkhardt, Berlin-Lankwitz, Germany, assignor to Accumulatoren-Fabrik Aktiengesellschaft, Berlin, Germany, a joint-stock company of Germany**
**No Drawing. Application March 11, 1936, Serial No. 68,296. In Germany January 22, 1935**
**4 Claims. (Cl. 75—22)**

2. The herein described process of manufacturing porous metallic bodies, which consists in mixing a powdered metal compound with any one of the substances of a group consisting of oils, fats, fatty acids, polyvalent alcohols, glycerine, alkali lyes and water glass which are non-volatile at temperatures lower than the temperatures at which the said metal compound is capable of being reduced and sintered, and a metal hydroxide which is adapted to adsorb the compound of the said group, working the mixture into a plastic composition, moulding the said composition into a body substantially free of pores, and heating the said composition in the presence of a reducing medium at a temperature and during a period of time such that the metal compound is reduced to metal and partly expelling the non-metallic components.

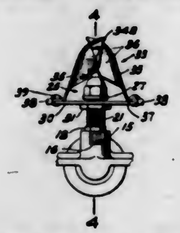
**2,122,054**
**BUSHING FOR STEEL BARREL HEADS**
**David W. Curtis, St. Louis, Mo., assignor to Thomas Connors, St. Louis, Mo.**
**Application May 29, 1936, Serial No. 82,598**
**1 Claim. (Cl. 285—49)**



In combination, a metal barrel head and an annular internally screw threaded member, the barrel head being provided with an outwardly flanged neck terminating inwardly at its outer end in a horizontal neck flange to provide an opening, vertical outer facial recesses formed on the neck and open to the outer face of the horizontal neck flange, the annular member being provided with a downwardly projecting annular clinching flange adapted to be crimped outwardly into horizontal position to compress a gasket between the lower face of the annular member and the clinching flange, and the annular member being further provided with circumferentially spaced downwardly projecting lips directly opposite the clinching flange to frictionally engage in the outer vertical facial recesses on the outwardly flanged neck to prevent rotary and tilting displacement of the annular member relative to the flanged neck and neck flange.

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**2,122,055**
**SPRINKLER**
**James S. Donnellan, Los Angeles, Calif.**
**Application March 25, 1938, Serial No. 198,095**
**8 Claims. (Cl. 299—126)**



1. In a device of the kind described, in combination, a support, a nozzle member mounted on said support, a rotary stream deflecting assembly comprising a base plate rotatably mounted on said nozzle, and a deflector consisting of a strap of metal bent into an inverted V-shape and having the lower end portions of its limbs secured to said base plate with its apex portion substantially in axial alinement with the nozzle passage, each side edge portion of said strap metal having a wing positioned to deflect the stream toward the side of the strap opposite thereto.

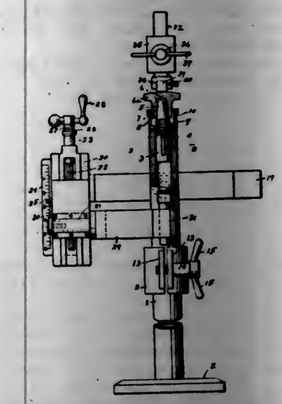
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**2,122,056**
**LAP RETRUING MACHINE**
**Robert S. Duke, Houston, Tex.**
**Application July 6, 1936, Serial No. 89,033**
**5 Claims. (Cl. 29—76)**

1. A machine of the character described comprising a stand, a yoke mounted on the stand to pivot on a horizontal axis, a standard, means for supporting the standard to pivot about a horizontal axis on the yoke, said supporting means being vertically adjustable, a work holder on the



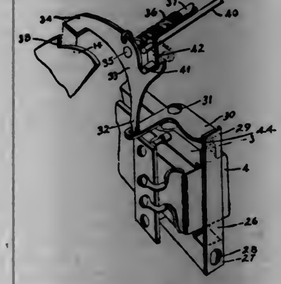
stand, a file holder vertically adjustable on the standard, a file on the file holder adapted to con-



tact the work, means for fixing the file holder at any point of adjustment on the standard.

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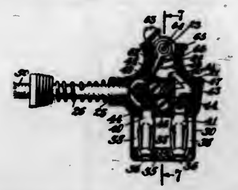
**2,122,057**
**SELECTED TIME REMINDER**
**Chester R. Gains, La Porte, Ind., assignor to American Timer Corporation, a corporation of Tennessee**
**Application December 17, 1935, Serial No. 54,865**
**2 Claims. (Cl. 161—23)**



2. In a selected time reminder having a casing, an electric power clock movement, a train of gears connected for control by said power clock movement, a notched control cam, an alarm element fixed at one end, a primary coil across which the alarm element extends, a bell crank lever pivoted adjacent the free end of said alarm element, a second bell crank lever, a horizontal shaft pivotally supporting said second bell crank lever for movement in a vertical plane and said second bell crank lever establishing connection between said notched cam and the first bell crank lever for the operative pivotal control thereof from said notched cam; said first bell crank lever operatively disposed in a position to exert an outward pressure against the free end of said alarm element by pressing up against the bottom surface thereof; said notched cam actuating said second bell crank lever and adapted to hold the said first bell crank lever under said alarm element adjacent the free end thereof until the rotary movement of said notched cam permits the second bell crank lever to drop its free end into said notch releasing a pressure from said first bell crank lever, resulting in shifting the pivotal position of the first bell crank lever and releasing the free end of said alarm element to vibrate freely across said primary coil; said notched cam actuated in its rotation by said clock movement through said train of gears and said first bell crank lever contacting said alarm element by a peripheral cam-shaped end of said first bell crank lever.

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**2,122,058**
**ELECTRIC CONNECTER PLUG**
**Albert E. Grant, New York, N. Y.**
**Application December 5, 1936, Serial No. 114,292**
**12 Claims. (Cl. 200—51)**



1. A connecter plug having an insulating upper casing portion and a fireproof lower casing portion, the upper portion comprising two sections of insulating material complementing each other to form a manual grip at the top of the plug, a wire inlet passage at one side thereof, and a switch pocket adjacent the top of the plug interiorly of said manual grip, pivot means extending transversely of the switch pocket securing said sections together in swiveling relation, the lower portion of the casing comprising a metal shell and a face plate of ceramic insulating material carried at the lower end of the shell, said face plate having spaced socket openings therein intermediate its margins, the upper end of said shell removably embracing the lower end of the upper casing portion whereby the sections thereof are held from swiveling, spaced contact members carried by the upper portion of the casing and projecting into the lower casing portion in spaced relation to said shell and respectively registering with said socket openings, wire binding terminals carried in the upper casing portion, one of said terminals being connected with one of said contact members, and means comprising a switch for connecting the other terminal with the other contact member, said switch being mounted for pivoting movements on the pivot means in said pocket and having an actuator extending exteriorly at the top of the plug centrally of said manual grip.

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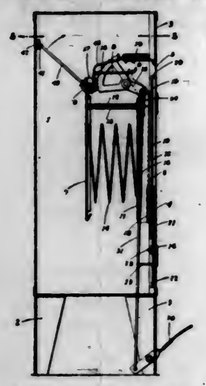
**2,122,059**
**METHOD OF REFINING OIL**
**Donald K. Harger, Hermosa Beach, and Harold I. Wolff, Albany, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware**
**No Drawing. Application May 29, 1933, Serial No. 673,480**
**3 Claims. (Cl. 196—40)**

1. A method of refining petroleum oil fractions of the lubricating oil type previously treated with sulfuric acid, comprising raising the temperature of the oil above 500° F. but below that at which substantial fractions of the oil are va-

porized or cracked, digesting the oil at this temperature out of contact with solid adsorbent material for a controlled time sufficient at the digestion temperature to improve the color of the oil, avoiding access of air while the oil is undergoing digestion, then cooling the oil.

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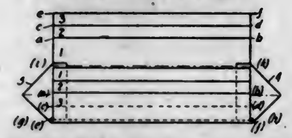
2,122,060
**TOWEL SERVICE CABINET**
August I. Hendeville, Merced, and Joseph Arnold Ellis, San Francisco, Calif., assignors to Serv-A-Towel Manufacturing Company, San Francisco, Calif., a corporation
Application January 10, 1936, Serial No. 58,458
11 Claims. (Cl. 312—37)



2. A towel servidor comprising a cabinet having a towel dispensing opening in the front which comprises a transverse slot at the top of the opening of greater width than a towel, means in the cabinet to support a plurality of individual towels in depending relation from their upper edges and so that such edges are substantially on a level with said slot, means constantly holding the front towel below its supported edge against the front of the cabinet whereby it is disposed adjacent the opening and may be grasped for withdrawal for use, a horizontal shaft turnably mounted in the cabinet back of the supported towels and parallel to the slot, arms projecting from said shaft and spaced apart a distance greater than the width of a towel, horizontal and alined fingers on the outer ends of he arms, manually controlled means to rotate the shaft so that the arms are swung upwardly and forwardly from a normal position adjacent the back of the cabinet to a position such that the fingers are disposed immediately adjacent and below the transverse slot on opposite sides of the central portion thereof, and spring means to rotate the shaft in the opposite direction.

9. A towel servidor comprising a cabinet provided in its front wall with a towel dispensing opening, means in the cabinet to support a plurality of towels in position for the withdrawal of individual towels successively through the opening for use, means in the cabinet to retract the used towels into the cabinet, a shutter normally closing the opening, manually actuated means to move the towel retracting means into a position for functioning and shutter actuating means connected to and operated by said manually actuated means to open the shutter and including means to prevent opening movement being imparted to the shutter until the towel retracting means has been moved to said functioning position.

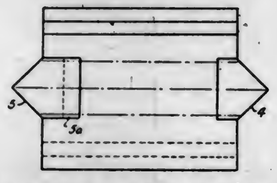
2,122,061
**MULTIWALL BAG OF PAPER OR SIMILAR MATERIAL**
Edgar Hoppe, Amsterdam, Netherlands, assignor to St. Regis Paper Company, New York, N. Y., a corporation of Delaware
Application September 21, 1934, Serial No. 744,959
In Germany April 21, 1934
7 Claims. (Cl. 229—55)



1. A multi-ply bag having an end closure consisting of side flaps and end flaps, said side flaps being materially more extensive than the end flaps and having their longitudinal edges arranged in stepped relation on opposite sides, a step on one side substantially throughout its length overlapping more than one step on the other side at the ends of said edges, and the undersurface of each step of one side flap engaging one or another step of the opposite side flap, and means to secure the side flaps together.

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2,122,062
**METHOD OF FORMING A VALVE BAG**
Edgar Hoppe, Amsterdam, Netherlands, assignor to St. Regis Paper Company, New York, N. Y., a corporation of Delaware
Original application September 21, 1934, Serial No. 744,959. Divided and this application December 2, 1936, Serial No. 113,871
1 Claim. (Cl. 93—35)

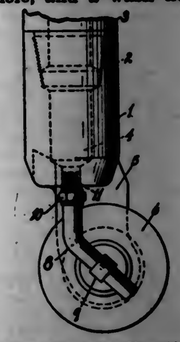


The method of forming a valve bag comprising forming a bag tube, separating the bag tube into bag lengths by cutting across the tube, forming slits longitudinally of the tube adjacent the sides thereof, said cross cut running between said slits substantially midway of their length and from one of said slits to the adjacent side substantially midway the length of the slit and from the other slit to a point on the adjacent side out of line with the portion of the cross cut between said slits, thereby forming an extension on one side of the tube, and closing the bag in the accustomed manner for forming a satchel bottom bag but leaving the flap formed from the extended side unpasted to the overlying flaps whereby it constitutes a valve.

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2,122,063
**HOLE STRAIGHTENING OR REAMING BIT**
Walter Hughes, Long Beach, Calif.
Application September 19, 1936, Serial No. 101,591
5 Claims. (Cl. 255—71)

1. A hole straightening or reaming bit comprising a body, a single arm offset from said body and depending therefrom, a cutter journaled on the arm, said bit being mounted on a stiff drill string whereby the cutter is held against the wall of a bored hole, and a wash nozzle depending



from the body, said nozzle directing fluid towards the side of the bit and against the cutter.

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2,122,064
**WHEEL BALANCER**
James W. Hume, Jackson, Mich.
Application August 1, 1934, Serial No. 737,902
2 Claims. (Cl. 301—5)



1. A balance weight for vehicle wheels equipped with pneumatic tires mounted on a rim having a supporting flange against which the tire is urged by internal pressure, comprising a thin attachment portion of sufficient length and width as to overlap a substantial area of that portion of the rim flange against which the tire is normally urged when inserted between the rim flange and the tire, said attachment portion substantially conforming to that portion of the contour of said rim flange against which the same is urged and adapted to be held in position upon the flange solely by tire pressure and being otherwise loosely fitted on the rim, and a weighted body portion connected to said attachment portion and positionable thereby along the sides of said rim and tire.

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2,122,065
**WHEEL BALANCING UNIT**
James W. Hume, Jackson, Mich.
Application October 16, 1935, Serial No. 45,172
2 Claims. (Cl. 301—5)



1. A balance weight for balancing a pneumatic tired vehicle wheel, said weight being adapted to be removably secured on the flared peripheral edge of the tire retaining rim flange and comprising a thickened body portion, a resilient clip engaging said body portion for securing the same upon the outer side of said flange adjacent the edge thereof, said weight being of a configuration conforming to the general contour of the inner and outer sides of said flange adjacent the edge thereof, said body portion in position being disposed under the flare of said flange, said clip extending around said edge and generally conforming to the inner side of said flange and being sufficient to be gripped between the side wall of the tire and the inner side of the flange when the tire is inflated, the resiliency of said clip snugly clamping said body under the flared outer side of said flange and resisting removal of said weight, and a recess in said weight to receive a lever against which a force may be exerted generally radially inwardly of the wheel to rotate said clip over said flange to remove said clip from engagement therewith.

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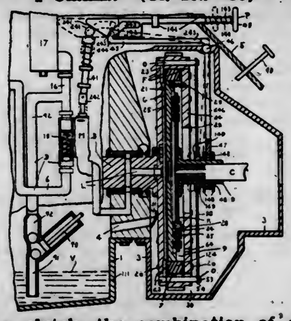
2,122,066
**ROLLER SKATE**
Alexander F. Kaptuller, Chicago, Ill., assignor to Allied Engineering Company, Chicago, Ill., a corporation of Illinois
Application July 23, 1936, Serial No. 92,073
11 Claims. (Cl. 280—11.26)



1. In a roller skate, the combination of a transverse frame plate, two sheet metal brackets secured to the bottom face of said frame plate and having web portions extending downwardly therefrom opposite each other and secured together and portions below said web portions and offset outwardly with respect to each other, and then extending downwardly so as to provide in effect a downwardly open channel, an extension bar slidably mounted in said channel, and means rigidly connected with said brackets and extending across below said extension bar for supporting an axle transversely of the framework.

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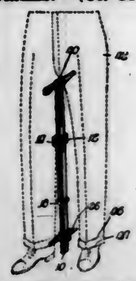
2,122,067
**RIM RELEASE OIL CLUTCH**
Ralph H. Kress, Lawrence, Mass., assignor to Patent Protection Corporation, Lowell, Mass., a corporation of Massachusetts, trustee
Application September 28, 1934, Serial No. 745,878
4 Claims. (Cl. 192—85)



1. In a clutch, the combination of a driven shaft carrying a clutch plate; with a clutch casing carried by a drive shaft, said clutch casing including an oil pressure chamber of disk shape with its center substantially on the center of

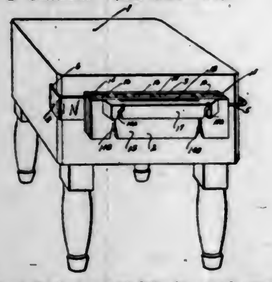
the drive shaft, said chamber being sealed by a diaphragm and there being a one direction oil outlet pressure release valve at the outside rim of the oil pressure chamber in a passage through the clutch casing; a source of oil pressure outside the clutch; a clutch control pipe from the oil pressure chamber to the source of oil pressure; a one direction oil inlet pressure valve outside the clutch in said clutch control pipe for controlling the flow of oil to the oil pressure chamber; and connections between the oil inlet pressure valve and the oil outlet pressure release valve whereby when one is opened the other is closed.

**2,122,068**
**MEASURE**
**Gilbert R. Meyers, Fort Wayne, Ind., assignor to Trouser Meter Inc., Fort Wayne, Ind., a corporation of Indiana**
**Application March 16, 1935, Serial No. 11,380**
**7 Claims. (Cl. 33—2)**



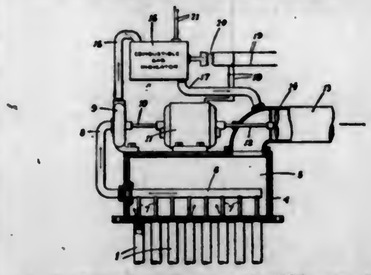
6. In a device of the character described, the combination of a base member, a plurality of relatively movable members movably mounted on said base member and having cooperating means indicating directly the total distance between portions of said movable members when in any selected position, and locking means for releasably locking said members in selected position, said base member providing a datum plane when said device is in use for establishing the proper positioning of one of said relatively movable members in respect thereto.

**2,122,069**
**TOOL RACK FOR MEAT BLOCKS**
**Carl Michelson, Klamath Falls, Oreg.**
**Application August 3, 1936, Serial No. 94,027**
**3 Claims. (Cl. 211—60)**



1. A tool rack for meat blocks and supporting means therefor, comprising a supporting body having an angularly disposed engaging member at one end and a series of spaced holes, a hook having an elongated shank, a lever pivotally connected to the end of the shank, a pin projecting from the lever and spaced from said pivotal connection, said pin seating in one of the aforesaid holes and providing a pivotal connection between said body and lever, said lever when pivoted in one direction increasing the distance between hook and angularly disposed member, and when pivoted in the opposite direction decreasing said distance and the hook and angularly disposed member when the distance is decreased gripping opposite sides of a support, a tool rack detachably supported by said body, and a slidable connection between said supporting body and tool rack for adjusting the height of the rack.

**2,122,070**
**COMBUSTIBLE GAS DETECTING SYSTEM**
**John B. Quick, Fresno, Calif., assignor of one-half to Earl S. Clanton, Fresno, Calif.**
**Application May 4, 1937, Serial No. 140,679**
**4 Claims. (Cl. 23—232)**

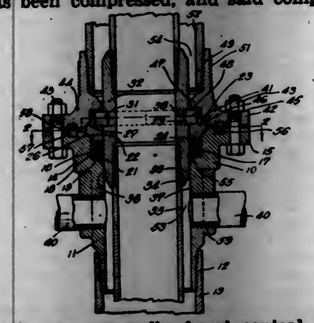


1. A central station combustible gas indicator assembly for a multiple pipe fluid withdrawal system, said assembly comprising a housing forming an enclosed chamber, a plurality of fluid withdrawal pipes projecting through the housing and opening into the chamber, a manifold disposed within the chamber, a plurality of open-ended intake pipes projecting from the manifold and each extending into the adjacent open end of one said withdrawal pipe, said intake pipes being of substantially less diameter than the diameter of the surrounding pipes, a double shaft motor mounted adjacent the housing, a fluid pump connected to one end of the shaft, a conduit leading from the manifold in the chamber to the intake of the pump, another conduit leading from the outlet of the pump, a combustible gas indicator arranged in communication with said other conduit, an exhaust pipe leading from the chamber, the other end of the motor shaft extending into one portion of said pipe axially thereof, and an exhaust fan fixed on said shaft within said pipe.

**2,122,071**
**CASING HEAD**
**Chester A. Rasmussen and Charles R. Butler, Long Beach, Calif., assignors to Trobas, Inc., Long Beach, Calif., a corporation of California**
**Application May 22, 1936, Serial No. 81,171**
**2 Claims. (Cl. 285—22)**

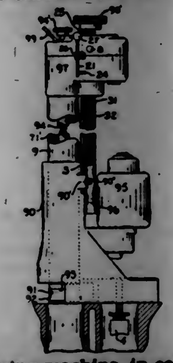
1. A casing head of the character described, including: a body having means for connecting it to the upper end of a casing, said body having a vertical bore therethrough with a counterbore in the upper end of said bore and an upwardly and outwardly flared conical seat in the upper part of said counterbore; a tubular member substantially completely filling said bore of said body and extending within said bore past said counterbore so that a packing recess substantially closed at the bottom is formed at the lower part of said counterbore; a soft packing ring in said recess; a compressor ring extending downwardly into the upper part of said counterbore to compress said soft packing ring, said compressor ring having a conical face for sealing engagement with said conical seat after said soft ring has been compressed, and said compressor





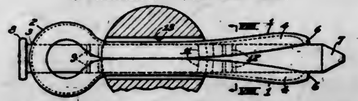
ring having an upwardly faced conical sealing face; and a clamping ring adapted to be secured to the upper end of said body, said clamping ring having an inwardly and downwardly faced conical seat adapted to make sealing engagement with said upwardly faced conical face of said compressor ring and to force the same positively downwardly to compress said soft packing and press said downwardly faced conical face thereof into sealing engagement with said upwardly faced conical seat of said body.

**2,122,072**
**AUTOMATIC FEED FOR BORING BARS**
**Clarence T. Bottler, Seattle, Wash.**
**Application March 25, 1936, Serial No. 70,857**
**14 Claims. (Cl. 77—2)**



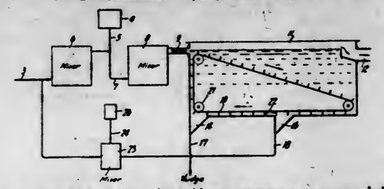
6. In a reboring machine, in combination with a base, a boring bar vertically reciprocable in the base, power means for effecting such reciprocation, including a clutch gear shiftable to effect low speed downward, a second clutch gear meshed with said first clutch gear and shiftable to effect upward feed, a rock shaft interengaged between said two clutch gears, and oscillatable in one direction to move said downward feed clutch gear from a neutral position into bar driving position, and oscillatable in the opposite direction to move simultaneously said downward feed clutch gear into neutral position and said upward feed clutch gear into bar driving position, and means engageable by relative movement transversely of one of the aforementioned clutch gears, only when both are in neutral position, to control them for effecting rapid downward movement of the boring bar.

**2,122,073**
**SELF-LOCKING KEY**
**Frederic Schaefer, Pittsburgh, Pa.**
**Application April 9, 1937, Serial No. 135,949**
**5 Claims. (Cl. 85—8.5)**



1. A self-locking key comprising a cotter-pin having legs connected at one end by a head provided with an opening, and a spreading member slidably disposed in said opening and between said legs and provided with a detent for limiting withdrawal of the member from the pin, said member being adapted to spread apart the free ends of said legs when driven inwardly of said head, and said member and legs being provided with inter-engaging detents for retaining the member in its legs-spreading position.

**2,122,074**
**SEWAGE TREATMENT PROCESS**
**Ralph A. Stevenson, San Marino, Calif.**
**Application December 15, 1936, Serial No. 115,957**
**5 Claims. (Cl. 210—2)**

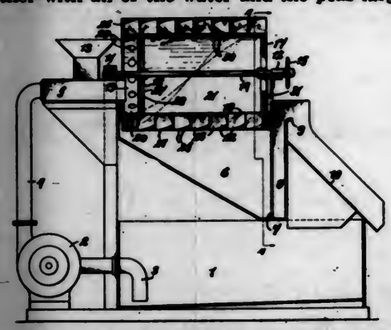


1. A process for treating sewage comprising mixing a coagulant into a flowing sewage stream, subjecting said flowing sewage stream containing coagulant to a single settling operation to separate therefrom water borne solids of different densities, collecting so separated solids of different densities at least at two different points in the flow of said stream, removing from contact with said stream heavy solids collected at one point, and removing from contact with said stream lighter solids collected at another point and returning them to the flowing stream prior to addition of the coagulant but at a point in the flow of said stream whereat said heavy solids are present.

**2,122,075**
**METHOD AND APPARATUS FOR GRADING ARTICLES**
**Frederick Walter Thorold, Niagara Falls, N. Y.**
**Application June 14, 1935, Serial No. 26,581**
**8 Claims. (Cl. 209—235)**

1. As a continuous process, the method of grading food particles such as peas for size which comprises mixing a continuous stream of peas with a stream of running water, causing said stream of water and peas to flow continuously against a screen at a velocity to compel all of the articles to be graded to reach the screen and

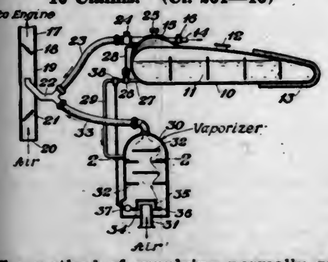
in such volume that a substantial head of the water is maintained against the screen and the peas smaller than the screen perforations propelled through the perforations by the water together with all of the water and the peas larger



than the screen perforations propelled against said screen by the water so as to cover some of the perforations therein and continuously removing that portion of said screen on which the said larger peas are retained from the water and removing the said larger peas therefrom.

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**2,122,076**
**FUELING SYSTEM**
**Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana**
**Application May 20, 1935, Serial No. 22,490**
**10 Claims. (Cl. 261—16)**

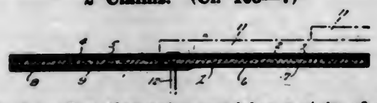



1. The method of supplying normally gaseous hydrocarbon fuel in variable amounts to an airplane engine, which comprises maintaining a supply of said gaseous hydrocarbon fuel in liquefied form in a light weight metal low pressure tank, maintaining a vapor space above said liquid in said tank to provide for evaporation of said liquid fuel, maintaining approximately atmospheric pressure within said vapor space, withdrawing vapors from said vapor space as required by said engine, said withdrawal of vapors being effective to cause further vaporization of said liquid hydrocarbon, said vaporization being effective to cool the remaining liquid hydrocarbon and maintain it in the liquid state at said low pressure, and supplementing said vapors, when insufficient to supply the need of said engine, by evaporating additional amounts of said liquid hydrocarbon beyond the amount normally evaporating in said fuel tank.

2. An arrangement of means for storing a liquefied normally gaseous hydrocarbon and gasifying the same for use as fuel for an airplane engine, which means makes possible the storage of said fuel in a light weight metal low pressure tank of the type necessarily employed on an airplane, said arrangement of means comprising a light weight metal low pressure tank, the lower portion of said tank providing a storage space for said liquefied gaseous hydrocarbon fuel, the upper portion of said tank defining a vapor space above said liquid in said tank to provide for the evaporation of said liquid fuel, means responsive to a predetermined pressure of the order of one atmosphere absolute within said vapor space for venting the same to the atmosphere, means responsive to a predetermined drop in pressure within said vapor space below the pressure for which said first named venting means is set for admitting air to said vapor space, means for withdrawing vapors from said vapor space as needed for engine fuel, said withdrawal of vapor being effective to cause further vaporization, said vaporization being effective to control the temperature of the remaining liquid whereby to maintain the same in a liquid state, at said low pressures of the order of one atmosphere, said pressures being well within the liberal factor of safety for said light weight type of tank against collapse and rupture and means for supplementing said vapors when insufficient by evaporating additional amounts of said liquid fuel beyond the amount normally evaporating in said fuel tank.

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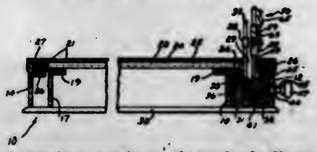
**2,122,077**
**ROOFING CONSTRUCTION**
**Ayana L. Wall, Cleveland, Ohio**
**Application July 24, 1937, Serial No. 155,500**
**2 Claims. (Cl. 108—7)**



1. A roofing element comprising a strip of saturated fibrous material having a coating of adhesive material and granules applied to the upper surface thereof and entirely covering the same, a second coating of adhesive material and granules applied to the upper surface of the first coating and entirely covering the same, a third coating of adhesive material and finely divided granular material applied to and entirely covering the lower surface of the said strip, and a fourth coating of adhesive and granular material applied to the third coating and extending from the bottom of the strip toward but terminating short of the top thereof.

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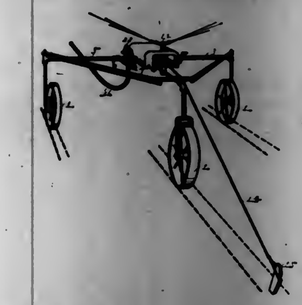
**2,122,078**
**POSTURE METER**
**Fred S. Williams, Trumbull, Conn., assignor to Dorothy C. Williams, Trumbull, Conn.**
**Application September 22, 1936, Serial No. 101,929**
**18 Claims. (Cl. 33—174)**



1. In a posture-meter, a base including a platform on which a patient may stand, supporting means on the base, a vertically extending rod carried by said means and projecting above said platform, and a joint in said rod above the platform whereby portions of the rod may be disposed in angular relationship.



**2,122,079**
**SPRINKLER**
**Charles O. Wilson, North Muskegon, Mich., assignor to March Automatic Irrigation Company, Muskegon, Mich., a corporation of Michigan**
**Application May 21, 1937, Serial No. 143,878**
**1 Claim. (Cl. 299—49)**



In a sprinkler adapted to be travelled over the ground: a vertical tubular axle; a member rotatable on the axle carrying rotatably with said member a drum and a sprinkler head having a water passage whereinto the tubular axle opens; a cable wound on the drum adapted to be anchored in a fixed position; means operated by a water stream for rotating said member to travel the sprinkler and rotate the sprinkler head; means for supplying water under pressure including a water passage having a branch leading into the tubular axle and a branch for directing said water stream to the first mentioned means for operating the same.

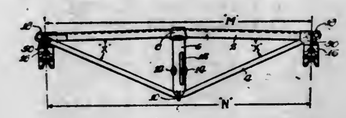
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**2,122,080**
**AUTOMATIC WELL FLOW CONTROL**
**George P. Wisdom, Longview, Tex.**
**Application July 9, 1936, Serial No. 89,704**
**4 Claims. (Cl. 166—2)**



1. In combination with a string of tubing, a fluid choke, a valve provided with spiral ribs below said choke, said ribs being exposed to the upward flow of liquid to lift said valve, an extent corresponding to the velocity of said liquid and correspondingly to close partially said choke by the movement of said valve.

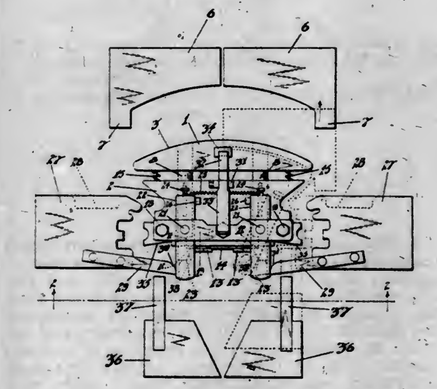
**2,122,081**
**LIGHT WEIGHT BRAKE BEAM**
**Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey**
**Application July 31, 1935, Serial No. 34,038**
**26 Claims. (Cl. 188—222)**



1. The combination of a truss type brake beam having a compression member, a tension rod with threaded ends, a fulcrum, and brake heads having seats for the ends of said compression member approximately in the vertical center planes of said heads but angled therefrom approximately one degree, the minimum diameter of said threaded ends being equal to or greater than the diameter of the remainder of said rod, the connection between said member and said rod being inward of the vertical planes defining the outer surfaces of said heads whereby the angle at which said member and said rod meet is increased, and the length of said compression member diminished without diminishing the distance between the shoe carrying surfaces of said heads.

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**2,122,082**
**MEANS FOR FORMING WIRE HANDLES**
**Francis C. Bertram, Portland, N. Y.**
**Application February 18, 1936, Serial No. 64,532**
**15 Claims. (Cl. 140—75)**



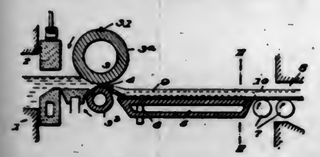
1. A wire forming device for handles having a plurality of bends, comprising a die having a fixed portion and a movable portion normally held in spaced relation to said fixed portion, means for forming a length of wire over said movable portion in said spaced relation, means for releasing said movable portion for movement toward said fixed portion, and means for further forming said wire length against said fixed portion subsequent to said first mentioned forming.

2,122,083

## METHOD OF AND APPARATUS FOR PRODUCING CORRUGATED GLASS SHEETS

Louis Boudin, St.-Gobain, and Henri Pecymirou, Azmieres, France, assignors to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France

Application July 30, 1935, Serial No. 33,908
In France July 31, 1934
15 Claims. (Cl. 49—33)



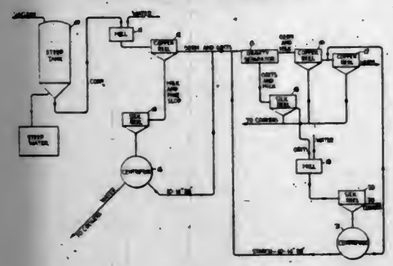
1. In apparatus for producing corrugated glass, a table for the reception of a moving sheet of glass having entrance and exit ends and provided with a progressively corrugated glass-receiving surface, said entrance end being substantially flat and said corrugations beginning at a point intermediate said ends, and alternately extending above and below the plane of the entrance end.

2,122,084

## STEEPING AND DEGERMINATING PROCESS

Charles R. Brown, Champaign, Ill., and Ashton T. Scott, Ardmore, Pa., assignors to The Sharples Specialty Company, Philadelphia, Pa., a corporation of Delaware

Application November 13, 1935, Serial No. 49,494
13 Claims. (Cl. 127—68)



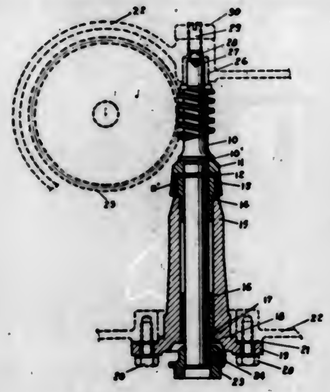
6. The method of degerminating grain which comprises cracking said grain and mixing it with aqueous liquid, removing starch milk and fine slop resulting from the cracking operation from the mixture so produced, thereafter separating the germ from the remaining constituents of the grain by subsidence in the presence of a liquid medium and in the absence of said fine slop, thereafter separating grits from starch milk with which said grits pass from the subsidence separating operation and grinding said grits to a fine form in the presence of water, separating less finely ground material from the starch milk produced as the result of said grinding operation, centrifugally concentrating the starch milk from which said less finely ground material has been removed, passing the concentrated effluent from said centrifugal concentrating operation to the subsidence separating operation and washing the separated germ with the dilute effluent from said centrifugal concentrating operation.

2,122,085

## GEAR CASE DRIVE SHAFT MOUNTING

John A. Castricone, Peoria, Ill.

Application February 18, 1937, Serial No. 126,443
8 Claims. (Cl. 308—36.4)



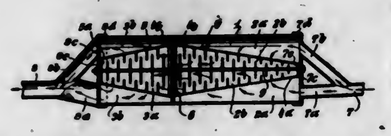
1. In a mounting for a drive shaft in a gear case; the combination of a drive shaft, a bracket member supporting said shaft on the exterior of the gear case, a porous bearing bushing carried by said supporting means and surrounding a portion of said shaft internal of said casing, one end of said bushing being exposed to the interior of the gear case, an oil thrower cap attached to the drive shaft, said cap having a flange extending over and in spaced relation to the exposed end of said bushing whereby oil is thrown away from the shaft by centrifugal force, a sealing washer interposed between said exposed end of said bushing and the thrower cap, and means sealing the connection between said bracket and gear case.

2,122,086

## SILENCER FOR INTERNAL COMBUSTION ENGINES

Arthur Adelbert Chase, Southend-on-Sea, England, assignor to Frank Thomase Fogden, Westcliff-on-Sea, England

Application October 23, 1937, Serial No. 170,696
In Great Britain October 22, 1936
4 Claims. (Cl. 181—49)



1. A silencer comprising an elongated casing, a transverse partition member mounted within said casing dividing the same into two consecutively arranged compartments, substantially conical apertured wall members extending in opposite directions from said transverse partition member to the respective ends of said casing and dividing each of said compartments into primary and secondary chambers having communication through said apertured walls, said apertured wall members being supported at their inner ends by said transverse partition member, and means for supporting the outer ends of said apertured wall members in spaced relation to said casing, said transverse partition member having apertures providing communication between the secondary chamber of one of said compartments and the primary chamber of the succeeding compartment, an inlet to the primary chamber of one compartment and an outlet from the secondary chamber of the succeeding compartment.

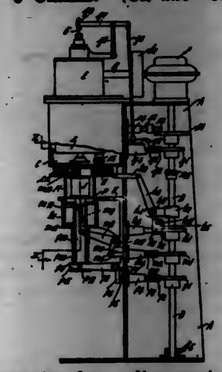


2,122,087

## SEALING CONTAINER

Frank Oscar Levi Cheriton, Bury, England

Application December 5, 1934, Serial No. 756,167
In Great Britain December 14, 1933
9 Claims. (Cl. 226—68)



1. In apparatus for sealing containers in a gas other than atmospheric air, in combination;—a main sealing chamber, the interior of which is maintained charged with the said gas and cut off from the atmosphere; sealing means located within the main chamber; a vacuum pump; a gas transfer pump; the delivery side of which is connected to the interior of the main chamber; an apertured auxiliary sealing chamber; means to move the auxiliary chamber from a position in which it is open to the atmosphere and an unsealed container introduced, to a position in which its interior is cut off from the atmosphere and connected to the vacuum pump suction; means to connect the interior of the auxiliary chamber to the interior of the main sealing chamber; means to present the container to the sealing means; means to operate the latter to effect the sealing; means to disconnect the auxiliary chamber from the main chamber; means to close the auxiliary chamber and to connect its interior to the suction side of the transfer pump; and means to return the auxiliary chamber to the position in which its interior is open to the atmosphere.

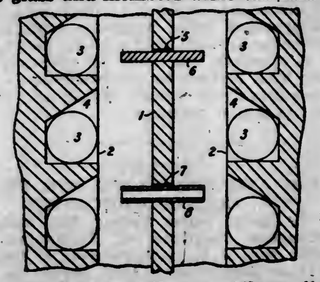
2,122,088

## TEMPERING OF GLASS

William Borthwick Clitherow, St. Helens, England, assignor to The American Securit Company, Wilmington, Del., a company of Delaware

Application September 6, 1935, Serial No. 39,483
In Great Britain September 8, 1934
2 Claims. (Cl. 49—39)

2. The process for effectively tempering glass pierced with small holes, which consists in inserting in each hole a heat conducting member extending beyond the surfaces of the glass, heating the glass and members while the said members are in place and then rapidly cooling the glass.



2,122,089

## PROCESS FOR THE MANUFACTURE OF ARTIFICIAL RESINS

Werner Conrad, Cologne, Germany, assignor to the firm Herbig: Haarhaus Aktiengesellschaft, Cologne-Bickendorf, Germany

No Drawing. Application November 27, 1935, Serial No. 51,965. In Germany November 30, 1934
10 Claims. (Cl. 260—8)

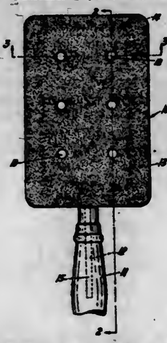
1. The process of manufacturing artificial resins in which polyhydric alcohols partly esterified with fatty acids selected from the group of saturated and unsaturated higher fatty acids are reacted with polyhydric alcohols partly esterified by a polybasic organic carboxylic acid each of the esterified products being produced with polyhydric alcohol exceeding in substantial amount the molecular equivalent necessary for complete reaction with the carboxyl groups of the acids.

2,122,090

## CLOTHES BRUSH

Olin C. Creighton, Akron, Ohio, assignor to The Kristee Manufacturing Company, Akron, Ohio, a corporation of Ohio

Application January 9, 1935, Serial No. 1,013
1 Claim. (Cl. 15—244)

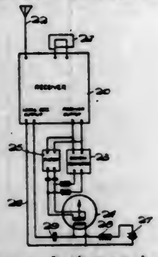


A clothes brush comprising a frame member formed from a single piece of wire bent to provide an opening in the frame, the ends of the wire extending outwardly of the frame to provide a handle receiving portion, and a pair of shaped sponge rubber sections having inner skin surfaces secured in abutting relation with said frame member therebetween, said sections being

of larger size than said frame and said opening in the latter being of a size that will allow flexing of the rubber sections through said opening in conformance with irregular contours of a surface being brushed, said sections having a plurality of openings extending transversely therethrough with respect to the brushing faces and said openings lying wholly within the extremities of the frame opening.

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**2,122,091**
**METHOD AND APPARATUS FOR PRODUCING COURSE INDICATION**
**Gomer L. Davies, Silver Spring, Md., assignor to Washington Institute of Technology, Inc., Washington, D. C., a corporation of Delaware**
**Application September 1, 1936, Serial No. 99,003**
**Renewed November 26, 1937**
**14 Claims. (Cl. 250—11)**



1. A system for producing an indication of the course of a mobile receiving station with respect to a transmitting station, which comprises means on the mobile station operable to produce an indication of the heading of the mobile station with respect to the transmitting station, means on the mobile station operable to produce an indication of the position of the mobile station with respect to a pre-determined course, and means on the mobile station for combining the effects or outputs of said means to produce a single combined indication which is a function of the heading of the mobile station with respect to the transmitting station and of the position of the mobile station with respect to the course.

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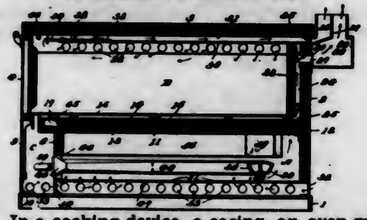
**2,122,092**
**MANUFACTURE OF ARTIFICIAL SILK**
**Antonie Jacobus Engel, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware**
**Application December 6, 1935, Serial No. 53,254**
**In the Netherlands December 8, 1934**
**8 Claims. (Cl. 242—43)**



1. In an apparatus for winding spools or bobbins, a traverse actuating mechanism comprising a main cam of symmetrical shape and adapted to control the thread guide arm of the traverse mechanism, an auxiliary cam located adjacent the main cam and independently rotatable with respect thereto, means supporting the main cam for displacement along its line of symmetry, means extending between the main cam and auxiliary cam whereby relative rotation between the cams causes displacement of the main cam along its line of symmetry and means for rotating the cams at relatively different speeds.

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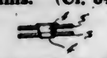
**2,122,093**
**OVEN**
**William Henry Frick, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey**
**Application August 11, 1936, Serial No. 95,449**
**16 Claims. (Cl. 126—273)**



2. In a cooking device, a casing, an oven within said casing and spaced therefrom at its sides top bottom and rear, a burner chamber in said casing beneath the oven chamber and having therein a pair of gaseous fuel burners, the spaces at the sides of the oven communicating with the burner chamber and with the top of the oven chamber, the space above the oven chamber communicating with the oven and with the atmosphere, a flue passageway beneath the oven bottom and communicating with the burner chamber and with the space behind the oven, said last named space communicating with the atmosphere, and means within the burner chamber for causing the heat generated by one burner to be delivered to the top of the oven chamber and the heat generated by the other burner to traverse the flue passageway beneath the oven bottom and the flue passageway at the rear of the oven chamber.

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**2,122,094**
**RESOUNDING-BOARD FOR ACCORDIONS**
**Alfredo Frontalini, Numana, Italy**
**Application April 3, 1937, Serial No. 134,877**
**In Italy January 11, 1937**
**2 Claims. (Cl. 84—376)**



1. An accordion in which the two resounding boards, respectively for the soprano and for the basso voices, existing between the chests bearing the reeds and the valves of each board are doubled and form two large resounding chambers one for the basso voices and one for the soprano voices, each chamber having in one of the two parallel walls a suitable aperture for the issue of the sound waves, the two walls being connected and at the same time distanced by short pipes through which passes the air producing the sound.

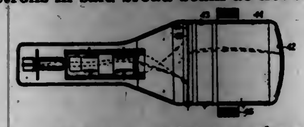
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**2,122,095**
**CATHODE RAY DEVICE**
**Dénes Gábor, Rugby, England**
**Application July 13, 1937, Serial No. 153,412**
**In Great Britain June 4, 1936**
**28 Claims. (Cl. 250—27.5)**

8. In cathode-ray tube signal reproducing apparatus in which the reproduction persists after



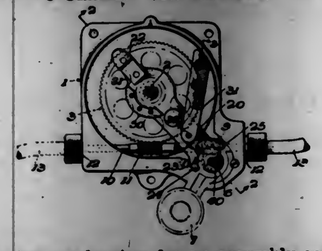
the signal has passed, the combination which comprises means for producing a concentrated electron scanning beam and a broad electron beam of different velocities, a secondary-electron emissive surface positioned to be impinged by said scanning and said broad electron beams, means for impressing upon said emissive surface an initial potential such that prior to the passing of said scanning beam over elemental areas thereof the electrons in said broad beam do not raise the



potentials of said elemental areas, whereas electrons in said scanning beam do raise the potentials of the scanned elemental areas by secondary electron emission therefrom to an extent sufficient to cause electrons in said broad beam to thereafter impinge on the scanned areas at velocities sufficient to maintain the scanned areas at elevated potentials by secondary electron emission therefrom so long as electrons in the broad beam continue to impinge thereon.

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**2,122,096**
**STOP MECHANISM**
**William I. Holmes, Hyattsville, Md., assignor to Washington Institute of Technology, Inc., Washington, D. C., a corporation of Delaware**
**Application December 1, 1936, Serial No. 113,685**
**9 Claims. (Cl. 192—138)**

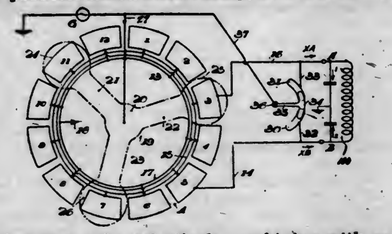


1. A stop mechanism for an assembly comprising a driving member, a driven member, and gearing connecting said driving member to said driven member, said stop mechanism comprising an abutment carried by said driving member, a pivoted stop member disposed adjacent said driving member and normally disengaged from said abutment, and means carried by said driven member and operable upon rotation of said driven member through a pre-determined angle in either direction to move said stop member in one or the other direction about its pivot into engagement with said abutment to thereby prevent further rotation of said driving member in one direction.

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**2,122,097**
**BALANCING MEANS FOR MODULATORS**
**Harold M. Horsman, East Riverdale, Md., assignor to Washington Institute of Technology, Inc., Washington, D. C., a corporation of Delaware**
**Application July 27, 1935, Serial No. 33,579**
**17 Claims. (Cl. 179—171)**

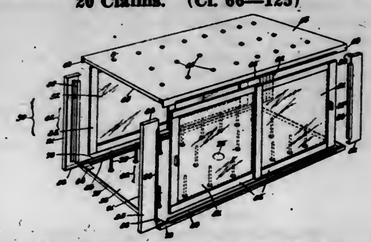
1. In an electrical system, a source of radio frequency current, a load circuit, means for producing from radio frequency current supplied by said source two modulated out-of-phase currents which are alternately supplied in opposite directions to said load circuit, and means for adjusting the amplitudes of said modulated currents to any predetermined relationship, said means com-



prising means for selectively combining with said modulated currents pre-determined amounts of unmodulated radio frequency current from said source.

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**2,122,098**
**KNITTING MACHINE YARN HOUSING STRUCTURE**
**Henry Janssen, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania**
**Application October 23, 1936, Serial No. 107,118**
**20 Claims. (Cl. 66—125)**



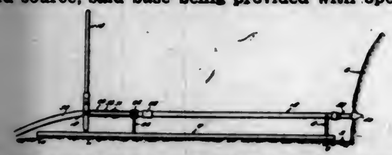
1. A knitting-machine yarn housing provided with means whereby a yarn treating medium may be supplied for the interior thereof and including body-structure elements certain of which are stationary relative to each other throughout the normal service of the housing and certain of which provide for movement relative to each other during the normal service of the housing, said elements being capable of movement relative to each other different from said first movement to provide outward exposure of the inner sides thereof for effectively cleaning said inner sides of the elements individually and for placing certain of the elements in a compact group occupying less space than the elements of the group in normal relation, and means for maintaining the elements in normal relation and providing for said different movement.

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**2,122,099**
**DEVICE FOR LAYING PIPE**
**Carl J. Jeffrey, Laurel, Nebr., assignor of one-fourth to F. P. Voter and Earl Schuler, both of Laurel, Nebr.**
**Application November 25, 1936, Serial No. 112,798**
**4 Claims. (Cl. 255—20)**

1. A pipe laying and driving device of the character described comprising a base, a pipe length to be laid and driven, a pipe length slide rest at the front end of the base, sliding means sliding on the base for supporting the rear end of the pipe length, a source of water pressure for said pipe length, lever means operatively connected with

said pipe length for pushing the same in a forward direction relative to the base, a drill head on the forward end of the pipe length and having openings fed by water under pressure from said source, said base being provided with open-



ing means adapted to selectively receive portions of said lever means for positioning said lever means longitudinally with respect to the base, as the laying and driving of the pipe length proceeds.

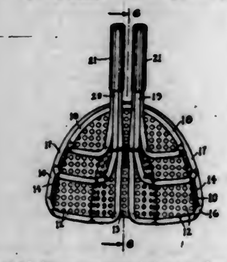
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**2,122,100**
**PROCESS FOR COLORING AND WATERPROOFING TEXTILE MATERIAL**
**Rudolf Kern, Oschatz, Germany, assignor to the firm Chemische Fabrik R. Baumheier Kommanditgesellschaft Oschatz-Zschollau**
No Drawing. Application December 13, 1933, Serial No. 702,259. In Germany December 15, 1932
2 Claims. (Cl. 91—68)

1. A method of simultaneously and uniformly dyeing and waterproofing textile materials, comprising treating said materials in usual alkaline dyestuff bath containing also a stable emulsion of substantially colorless water-repellent substances and aluminium formate and a substance selected from a group consisting of tartaric acid and tartrates, added for the purpose of converting the aluminium salt into a complex compound.

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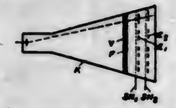
**2,122,101**
**DENTAL TRAY**
**Albert Lange, Park Ridge, Ill.**
Application April 4, 1936, Serial No. 72,763
2 Claims. (Cl. 32—17)



1. A dental tray comprising a body adapted to receive and hold a plastic dental impression material, in combination with a plurality of individual tubes lying against and following the contour of the outer surface of the body, one tube being positioned at each edge of the body and at least one tube being located between the tubes at the edges of the body, each tube having its end portions projecting outwardly from the approximate center of the front of the tray body and resting parallel one to the other, the corresponding end portions of the several tubes being positioned in close proximity thereby forming two groups of tube end portions projecting outwardly from the center of the front of the body, and a sleeve or jacket surrounding and permanently secured to each group of tube end portions, said sleeves or jackets being parallel one to the other and spaced sufficiently to permit the outer extremity of each to be removably received in a pipe or hose.

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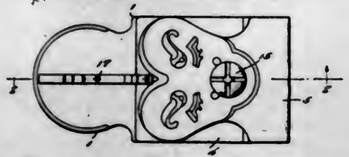
**2,122,102**
**ELECTRIC SIGNALING SYSTEM**
**Torsten Adil Lundell, Appelviken, Sweden**
Application February 27, 1936, Serial No. 66,135
In Sweden March 2, 1935
3 Claims. (Cl. 179—27.52)



1. In a communicating system in combination a number of conductors, a discharge tube, a set of electrodes in said tube, said electrodes being connected each to one of said conductors, means for producing a cathode ray in said tube, means for directing said ray in different directions against the set of electrodes, and means for selecting one of said directions and for fixing the direction of the ray in the selected position so as to establish electric connection between different electrodes, said electrodes being connected with control grids in discharge paths of thyratrone type in such a manner that upon irradiation of an element the resistance of the thyratrone discharge paths controlled through the corresponding grid drops from a very high value to a low value, senders and receivers connected to said thyratrone discharge paths being then connected with each other.

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**2,122,103**
**TOY**
**Ernesto Marsico and Albino Albini, Vandergrift, Pa.**
Application February 16, 1938, Serial No. 191,318
5 Claims. (Cl. 46—118)



5. A device of the class described comprising a flat base member, a flat intermediate member and a flat top member, a hollow handle depending from the base member, a spring connected to the top member and passing through the intermediate member into the handle, adjustable means for connecting the spring to the handle, a fulcrum member between the intermediate member and the base member, a fulcrum member between the intermediate member and the top member, a bell on the top member, a figure, and a spring connecting the figure to the base member.

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**2,122,104**
**PIPE WRENCH**
**William Compton Martin, Boston, Mass.**
Application November 9, 1936, Serial No. 109,983
3 Claims. (Cl. 81—64)

3. A wrench comprising a pair of pivotally connected handles, coacting jaws on one end of said handles, a toothed plate removably mounted on one of the jaws, a flexible element secured at one end to said one jaw and adapted for insertion between the jaws for protecting the work therefrom, the other end of said element being free, and common means for securing the toothed





plate and the flexible element to said one jaw, said means comprising a screw inserted through the flexible element and threaded into said one jaw into engagement with said plate.

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**2,122,105**
**METAL CONTAINER**
**Karl Wilhelm Mauser, Waldeck, Germany**
Application December 3, 1934, Serial No. 755,828
In Germany December 11, 1933
5 Claims. (Cl. 220—61)



1. A metal container having a cover, fastening means for the cover, and a ring-shaped seating for the cover and fastening means, which seating consists of strip metal and has a substantially U-shaped part for receiving the cover and fastening means, and a lower part, a prolongation of which is folded together with the edge of the container wall to form at least four layers of material at the joint, and which at its innermost part is flush with the interior of the container wall.

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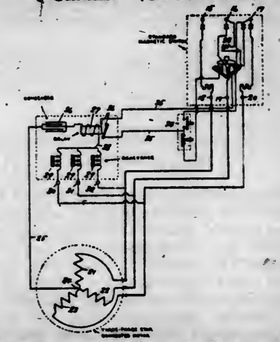
**2,122,106**
**HAIRPIN**
**Jim B. Meharg, Kennett, Mo.**
Application September 15, 1937, Serial No. 164,075
3 Claims. (Cl. 132—50)



1. A multiple grip clasp-type hairpin of the class described formed from a single length of wire bent intermediate its ends to provide a substantially U-shaped outer grip, the bight portion of said grip being laterally deflected with respect to the longitudinal axis of the parallel limbs, the free ends of the limbs being bent to provide return bends forming guard fingers, said guard fingers having their major portions underlying the limbs of the U-shaped grip, the free end portion of the fingers being directed toward each other to lie within the limits of the area encompassed by said limbs and terminating short of the laterally directed bight portion, the free ends being longitudinally bowed with the crown portion of the bows protruding through and beyond said limbs in directions at right angles to said limbs to occupy a plane outwardly of the limbs.

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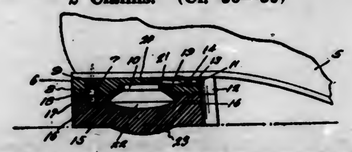
**2,122,107**
**PROTECTING THREE-PHASE APPARATUS**
**Louis J. Meller and Keith H. Miner, Huntington Park, Calif.; said Miner assignor to said Meller**
Application February 5, 1935, Serial No. 5,132
6 Claims. (Cl. 175—294)



1. A protective system including a circuit, one end of which is connected to the electrical center of a three-phase apparatus or motor, and which circuit extends through a suitable relay and which circuit continues to a point at the electrical center of a star three-phase balanced impedance whose outer leads are connected respectively to the three wires of a three-phase circuit in parallel with the said apparatus or motor, said relay being so designed as to interrupt the current in a magnetic switch holding-coil in the event that there is a change of voltage impressed across the said relay due to the breaking or interruption of any one or more lines supplying current to the said three-phase apparatus or motor, said holding coil being connected in series with the contact points of said relay across one phase of the incoming polyphase power lines.

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**2,122,108**
**SHOE HEEL**
**Elmer Duane Medlin, Litchfield, Ill.**
Application September 17, 1937, Serial No. 164,401
2 Claims. (Cl. 36—36)



1. A heel comprising a lift having a recess in its lower face, a resilient tread member including a

raised portion engageable in the recess and conforming in shape thereto, said tread member and the raised portion thereof having a pneumatic chamber therein, a protuberance on the lower face of the tread member for flexing same and collapsing the chamber, said lift member having a vent therein for said chamber, a tube in said vent for holding same open, said tube including anchoring lugs embedded in said lift member, a frame embedded in said lift member, sockets on said frame, a frame embedded in said tread member and studs on the second named frame including heads engageable in said sockets for detachably securing the lift and tread member together.

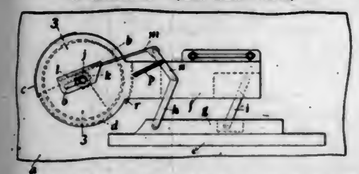
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2,122,109

## HAND GUARD FOR ROTARY CUTTERS

Edgar Walter Neale, Quinton, Birmingham, and Arthur Henry Handley, Northfield, Birmingham, England

Application March 22, 1937, Serial No. 132,420
In Great Britain April 8, 1936
3 Claims. (Cl. 144—251)



1. A hand guard for rotary cutters of the vertical spindle type, comprising the combination of a rotary segmental guard adapted to be arranged concentrically with and to enclose a part of the rotary cutter, a movable abutment piece for guiding the work piece and for affording lateral support to the work piece during the cutting operation, means interconnecting the abutment piece and the guard whereby under lateral pressure applied to the abutment piece by the work piece the guard is caused to move to an unobstructive position relatively to the cutter, and means for automatically returning the guard to its protective position after release of the abutment piece, substantially as described.

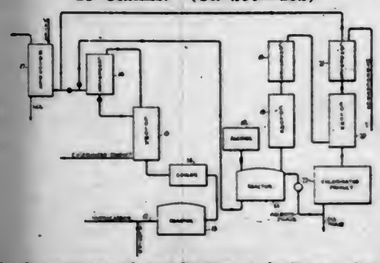
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2,122,110

## HALOGENATION OF ALIPHATIC ALCOHOLS

John F. Olin and George E. Hinds, Grosse Ile, Mich., assignors to The Sharples Solvents Corporation, Philadelphia, Pa., a corporation of Delaware

Application March 8, 1937, Serial No. 129,545
15 Claims. (Cl. 260—162)



1. A process of producing a halogen derivative of a hydrocarbon compound comprising contacting an alcohol under reaction conditions with a mixture of hydrogen halide and a saturated hydrocarbon compound having a boiling point lower than the desired halogen derivative and thereafter separating hydrogen halide from the hydrocarbon halide by fractionation while maintaining a reflux of the low boiling hydrocarbon.

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2,122,111

## AIR FILTER

Armand J. J. Peelman, Saint-Maurice, and Robert Schneider, Paris, France

Application November 23, 1934, Serial No. 754,314
In France December 2, 1933
5 Claims. (Cl. 183—49)



1. In combination with a mask including a case for the passage of air, and an air permeable partition of an adsorbent material disposed in said case across the path of travel of said air, a filter including a band of paper plaited across its width and the ends of which are glued together so as to form a ring-shaped plaited element, two parallel rigid discs, luting cement fixing the zig-zag edges of said annular plaited element to said discs respectively, one of said discs being solid and the other being provided with at least one opening in the circular portion thereof surrounded by said annular element, and means for fixing said filter to said case in such manner that the second mentioned disc is applied in a fluid-tight manner against said case with its opening opposite said partition.

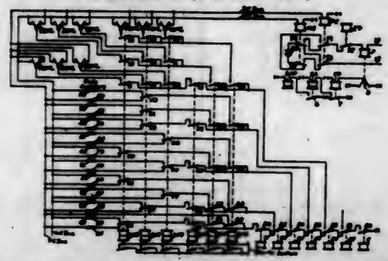
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2,122,112

## CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Winfred T. Powell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application May 23, 1934, Serial No. 727,147
9 Claims. (Cl. 177—380)



1. An impulse transmitter for transmitting variable codes, each comprising an invariable number of impulses of variable character; a lever for each code; a plurality of code forming buttons less in number than the number of codes; means controlled by said code forming buttons for causing said transmitter to transmit said codes; a plurality of code determining relays less in number than the number of codes and controlled by corresponding code forming buttons; means for interlocking said relays to prevent energization of more than a predetermined number at any one time; and means governed by a plurality of code determining relays for rendering the lever of a single code effective to cause said transmitter to transmit an impulse in addition to said invariable number, the character of said impulse being determined by the position of said lever.



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2,122,113

## PROCESS FOR PRODUCING STABLE SULPHURIC ACID ESTER SALTS OF LEUCO-VAT-DYESTUFFS IN DRY STATE

Roger Ratti, Basel, Switzerland, assignor to firm Durand & Huguenin S. A., Basel, Switzerland

No Drawing. Application June 26, 1935, Serial No. 28,556. In Germany July 21, 1934
5 Claims. (Cl. 8—35)

1. A process for producing stable ester salts of leuco-vat-dyestuffs in dry state, applicable to ester salts, which are liable to decomposition, even in the presence of an excess of alkali, said process comprising intimately mixing the moist alkali salts of such esters containing an excess of alkali with an agglutinant and urea to form a paste and finally evaporating the paste to dryness.

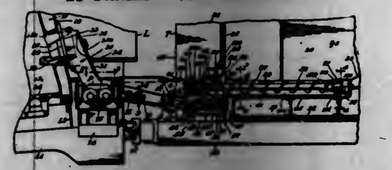
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2,122,114

## LOCOMOTIVE AND TENDER

Frank P. Roesch, Chicago, Ill., assignor, by mesne assignments, to Standard Stoker Company (1922), Inc., New York, N. Y., a corporation of Delaware

Application April 8, 1936, Serial No. 73,199
13 Claims. (Cl. 105—234)



1. In combination with a locomotive tender having a frame and fuel and water compartments, partition plates separating said fuel and water compartments comprising a plate spaced wholly above said frame and forming the bottom of said fuel compartment, a shallow depression formed in said plate arranged with the lowermost portion thereof spaced above said frame, a trough seated in said depression, and a conveyor screw mounted in said trough having its axis slightly below the plane of said plate.

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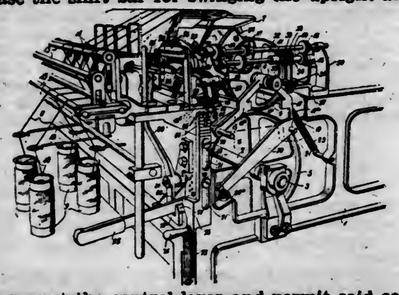
2,122,115

## STOP MECHANISM FOR REELING MACHINES

Dirk Slikker, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware

Application March 25, 1937, Serial No. 133,037
5 Claims. (Cl. 242—49)

1. The combination with a reeling machine including a frame, a reel journaled for rotation upon the frame, means for rotating the reel and a control lever for rendering the reel rotating means inoperative, of an automatic stop mechanism comprising a rotary disk operatively connected with the reel and rotatable in synchronism therewith, a pivoted shift bar adjacent the disk, spring means urging said shift bar into yielding engagement with the periphery of the disk, an upright arm pivoted to the frame and located in the path of movement of the shift bar said upright arm having a step thereon for latching the control lever in elevated inoperative position, and a notch upon the periphery of the disk to release the shift bar for swinging the upright arm



to unseat the control lever and permit said control lever to drop to operative position.

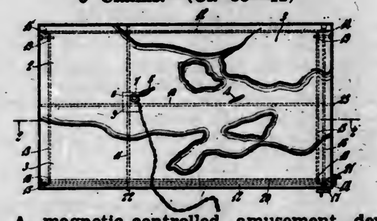
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2,122,116

## MAGNETICALLY CONTROLLED ADVERTISING, EDUCATIONAL, OR AMUSEMENT DEVICE

Gerald Evan Spicer, St. Albans, England

Application January 8, 1936, Serial No. 58,171
In Great Britain January 10, 1935
6 Claims. (Cl. 35—41)



1. A magnetic-controlled amusement device comprising a substantially plane supporting element, a body supported thereby, a permanent bar magnet carried by the body parallel to the general plane of the supporting element, a movable manoeuvring magnet, and means for shifting the manoeuvring magnet in any desired direction in a plane parallel to the general plane of the supporting surface and moving said body and permanent magnet under the influence of said manoeuvring magnet, the pole at the forward end of said permanent magnet being of opposite polarity to the effective polarity of the manoeuvring magnet.

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2,122,117

## RECONDITIONING ELECTRONIC UNIT

Louis C. Stringer, Chicago, Ill., assignor to Electronics Supply Corp., a corporation of Delaware

Application May 7, 1937, Serial No. 141,373
6 Claims. (Cl. 176—7)

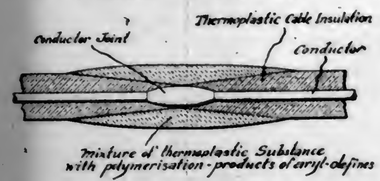


5. A method of preparing a used glass globe for rejuvenation, reconditioning and restoration pur-

poses wherein said globe includes a base and mount-equipped neck, said method consisting in removing the neck by severing and detaching the same to allow the mount to be extracted, and replacing the discarded portion of the neck with a cullet of predetermined dimensions, said cullet being open ended, of prescribed thickness and of a length to allow the inner end thereof to be glass welded to the opened end of the globe.

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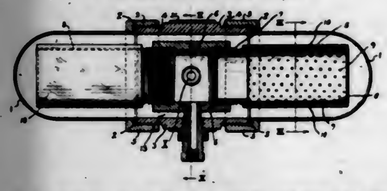
**2,122,118**
**SUBMARINE CABLE**
**Ernst Studt, Nordenham, Oldenburg, Germany, assignor to Norddeutsche Seekabelwerke Aktiengesellschaft, Nordenham, Oldenburg, Germany**
**Original application October 11, 1933, Serial No. 693,215. Divided and this application September 29, 1936, Serial No. 103,208. In Germany October 24, 1932**
**1 Claim. (Cl. 173—268)**




A joint in the insulation of cables which are insulated by a thermoplastic substance consisting of a mixture of albumin free rubber, deresinated balata and wax, in which the jointing material for the insulation consists of a mixture of guttapercha with polystyrol.

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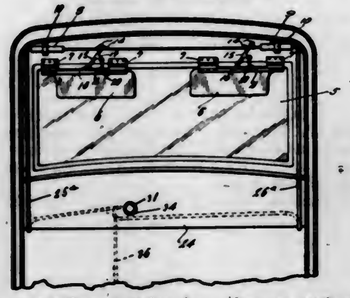
**2,122,119**
**PROCESS FOR STRAINING LIQUIDS**
**Napoleon R. Thibert, Worcester, Mass.**
**Application November 14, 1935, Serial No. 49,717**
**Renewed May 18, 1938**
**5 Claims. (Cl. 210—165)**



1. A device of the character described comprising a cylindrical shaped member, a hollow member extending into and forming a passageway through the side wall of said member, a smaller cylindrical shaped member supported internally of the first cylindrical shaped member by said hollow member, said hollow member forming an outlet passageway, the walls of said cylindrical members being in spaced relation with each other and each of said cylindrical shaped members having attaching means adjacent the ends thereof, a cup shaped member having a solid wall and having attaching means detachably secured to each of the attaching means of the outer cylindrical shaped member and a hollow member having a perforated wall and attaching means secured to each of the attaching means of the internal cylindrical shaped member, said hollow members extending within the cup shaped members on the respective ends of the outer cylindrical member with the perforated walls thereof lying substantially entirely within said cup shaped members, strainer means supported by each of said hollow members so as to close the perforations, the said outer cylindrical shaped member having an inlet opening in a side wall thereof communicating with the space between said cylindrical shaped members and the inner cylindrical shaped member having an opening therein and a valve member closing said opening.

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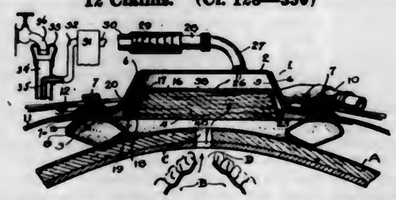
**2,122,120**
**ANTIGLARE SHIELD MOUNTING AND OPERATING MEANS THEREFOR**
**Martin H. Thode, Guler, Wash.**
**Application May 11, 1937, Serial No. 142,013**
**1 Claim. (Cl. 296—97)**



An operating mechanism for a swingably mounted sun visor and comprising a fixedly mounted cylinder, a piston having a working fit in said cylinder, a rigid rod for the piston extending outwardly therefrom, a pivotally mounted arm operatively connected with the sun visor for transmitting movement of the arm to the sun visor for swinging the latter vertically, freely arranged inter-engaging means on said arm and the piston rod for transmitting movement of the piston to said arm, control means for the piston including a valve cylinder, a piston valve having a sliding fit in said last named cylinder, a manipulating rod rigidly connected with said piston valve inter-engaging means on said valved cylinder and said piston valve for securing the piston valve at the desired position of adjustment, a suction pipe connecting the valve cylinder with a source of suction and a second pipe connecting the valve cylinder with the first named cylinder, said valve controlling communication through said last named pipe.

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**2,122,121**
**SURGICAL ASPIRATED DRAINAGE CUP**
**Joseph Elmer Tillotson, Colusa, Calif.**
**Application February 2, 1937, Serial No. 123,665**
**12 Claims. (Cl. 128—350)**



12. In a surgical drainage cup, a substantially cup-shaped member having a base portion, an



edge portion, and further having a lateral portion intermediate said base portion and said edge portion, an air-conducting pipe member extending around the inside of said cup-shaped member adjacent said edge portion thereof and having a plurality of restricted apertures positioned to discharge inwardly-directed jets of air substantially in the plane of the edge of said cup, said cup-shaped member having a discharge portal in said base portion near the edge of said base portion, means for maintaining a pressure below atmospheric pressure at said discharge portal, means connected to said discharge portal for conducting and receiving waste matter, and means for supplying a restricted stream of air to said air conducting pipe.

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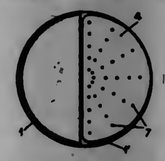
**2,122,122**
**WATER SOFTENER**
**Willard H. Woodstock, Chicago Heights, Ill., assignor to Victor Chemical Works, a corporation of Illinois**
**No Drawing. Application November 25, 1935, Serial No. 51,544**
**17 Claims. (Cl. 210—23)**

1. The method of producing a nitrogen-phosphorus complex which comprises reacting anhydrous ammonia with phosphorus pentoxide and heating the reaction mixture in the presence of excess anhydrous ammonia at a temperature of at least about 150° C. for a sufficient period of time to effect a molecular condensation with loss of ammonia from the product, forming a substantially neutral product in which the atomic ratio of nitrogen to phosphorus is less than 1.5 to 1.

5. A substantially neutral compound consisting of a nitrogen-phosphorus complex, resulting from heating a reaction product of $P_2O_5$ and anhydrous ammonia at a temperature of at least about 150° C. in the presence of excess anhydrous ammonia to produce a condensation reaction in which ammonia is lost by the heated product, said compound having an atomic ratio of nitrogen to phosphorus of less than 1½ to 1 and containing no water of constitution.

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**2,122,123**
**POWDER PUFF FORMING A RECEPTACLE**
**Mischa Zolotnitzky, Paris, France**
**Application January 29, 1937, Serial No. 123,057**
**In France November 14, 1936**
**4 Claims. (Cl. 132—78.5)**



1. A powder puff comprising an inner receptacle, said receptacle being provided with a powder-distributing sieve, an outer receptacle entirely enclosing said inner receptacle and comprising exterior imperforate powder-spreading faces, a portion of said outer receptacle being foldable over to uncover said powder-distributing sieve, whereby the said exterior faces are used solely and exclusively for spreading the powder previously supplied through the sieve, so that the respective functions of the distributing sieve and of the spreading faces are absolutely distinct and the corresponding operations succeed each other without overlapping.

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**2,122,124**
**WATER-SOLUBLE CONDENSATION PRODUCTS AND A PROCESS OF PRODUCING SAME**
**Richard Alles, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany**
**No Drawing. Application January 22, 1937, Serial No. 121,822. In Germany January 31, 1936**
**8 Claims. (Cl. 149—5)**

1. The process of producing water-soluble condensation products, which comprises treating in an alkaline medium lignin sulphonic acid and a hydroxy compound of the benzene series with an addition compound of a salt of sulphurous acid and a carbonyl compound selected from the class consisting of the aldehydes, ketones, aldehyde-alcohols, keto-alcohols, aldehyde-acids and keto-acids.

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**2,122,125**
**WATER-SOLUBLE CONDENSATION PRODUCTS AND A PROCESS OF PRODUCING SAME**
**Richard Alles, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany**
**No Drawing. Application February 3, 1937, Serial No. 123,865**
**12 Claims. (Cl. 149—5)**

1. The process of producing water-soluble condensation products having good tanning action, which comprises treating in an alkaline medium a cyclic sulphonic acid containing at least one hydroxyl group other than lignin sulphonic acid and a hydroxy compound of the benzene series together with an addition compound of a salt of sulphurous acid and a carbonyl compound selected from the class consisting of the aldehydes, ketones, aldehyde alcohols, ketone alcohols, aldehyde acids and ketone acids.

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**2,122,126**
**HOSE END STRUCTURE**
**Harold Barnard, Houston, Tex., assignor to Whitehead Brothers Rubber Company, Trenton, N. J., a corporation of New Jersey**
**Application March 19, 1937, Serial No. 131,895**
**4 Claims. (Cl. 285—72)**



1. A hose end structure comprising in combination a coupling shank having an end face and a tubular nipple spaced outward from the bore of the coupling and projecting from the face and internally threaded and externally corrugated, a rubber lined and rubber covered duck and rubber hose having its carcass formed at one end into an inner straight tubular part and an outer flaring tubular part, the inner straight tubular part being externally wire wound and lead wiped, a metal sleeve internally corrugated and externally threaded for engagement with the thread on the inside of the nipple, a lead joint between the corrugated inside of the sleeve and the lead wiped winding and having studs extending into perforations provided in the sleeve, tieing wires embedded in the outer tubular flar-

ing part of the carcass and binding it on to the corrugated surface of the nipple, and a washer interposed between said end face and the end of the hose.

2,122,127

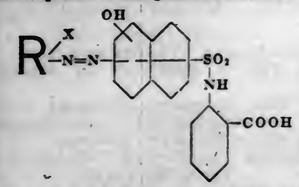
**ORTHO-HYDROXYAZO DYES AND PROCESS FOR MANUFACTURING THE SAME**

Walther Benade, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 31, 1936, Serial No. 118,572. In Germany January 17, 1936

6 Claims. (Cl. 260—94)

4. The ortho-hydroxyazo dyes which yield on wool with a chromium mordant tints of good fastness to light, to washing, and to fulling and which correspond to the general formula




in which X is a member of the group consisting of —OH and —COOH, X being in ortho-position to the azo-bridge and R is a member of the group consisting of the benzene-, chlorobenzene-, nitrobenzene-, alkylbenzene-, chloronitrobenzene-radicles.

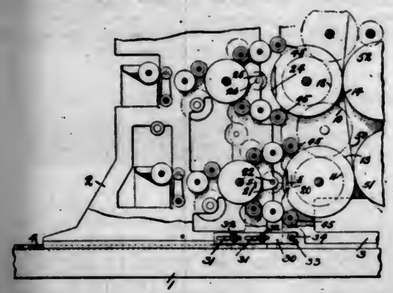
2,122,128

**PRINTING PRESS**

Edwin E. Burroughs, Hamilton Beach, Long Island, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York

Application April 15, 1936, Serial No. 74,460

9 Claims. (Cl. 101—181)



1. In a printing press the combination of printing mechanism and inking mechanism movable into and out of contact with each other, a latch comprising a plate carried by one of said mechanisms and having a slotted end communicating with a circular bore therein, a transverse rotatable rod carried by the other of said mechanisms and having a flattened portion adapted to enter said circular bore through said slot, and an eccentric bearing for said rod, said bearing being rotatable to latch said mechanisms in operating contact with each other.

2,122,129

**DIETHYL ETHER OF TRIETHYLENE GLYCOL**

Henry L. Cox, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application December 24, 1935, Serial No. 56,977

4 Claims. (Cl. 260—151)

1. The process of producing the diethyl ether of triethylene glycol, which comprises heating the monoethyl ether of triethylene glycol in the presence of sulfuric acid in amount not substantially over around 2% by weight, fractionating the resultant reaction mixture, and isolating therefrom the fraction boiling at 240° C. at atmospheric pressure containing the diethyl ether of triethylene glycol.

2,122,130

**FASTENER**

Theodore C. Dahnert, Racine, Wis., assignor to Ludwig Mfgy. Co. Inc., Racine, Wis.

Application November 29, 1935, Serial No. 52,162

3 Claims. (Cl. 292—210)



1. A resilient fastener comprising a base plate, a swinging latch lever having laterally extending flat hinge pintles formed thereon, resilient fingers carried by the base plate for engaging over said pintles, and positive means for holding the latch lever against swinging movement in one direction.

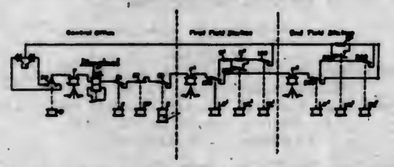
2,122,131

**CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS**

Darrel F. De Long, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application July 25, 1934, Serial No. 736,949

13 Claims. (Cl. 177—353)



8. In a remote control system; a transmitting station and a receiving station connected by a line circuit; means at said transmitting station for applying a first and a second series of spaced impulses of current to said line circuit; an impulse receiving relay actuated from one position to another in response to said impulses; a normally energized and picked up slow release relay for opening said line circuit when deenergized; means controlled by said impulse receiving relay, and effective if it remains in said another position for more than a predetermined time interval, for releasing said slow release relay to cause each impulse to be rendered normally long; a series of polar indication relays, one for each impulse of said first series; means rendered effective each time said impulse receiving relay is actuated to said one position for energizing one of said indication relays to one position provided said slow release relay is then picked up and to another position provided said slow release relay is then released; means at said receiving station for at times opening said line circuit to cause said impulses to be abnormally short, whereby said impulse receiving relay is actuated to said another position for a time less than said predetermined time interval; and additional means at said transmitting station for maintaining said slow release relay picked up throughout said second series of impulses and for causing said second series of impulses to be invariably normally short.



2,122,132

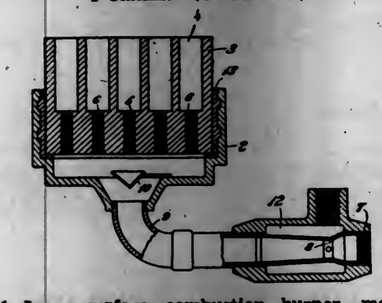
**REFRACTORY BRICK OR RADIANT FOR SURFACE COMBUSTION BURNERS**

Arthur Docking, Sanderstead, England

Application November 17, 1936, Serial No. 111,224

In Great Britain November 27, 1935

4 Claims. (Cl. 158—99)



1. In a surface combustion burner, means forming a mixing and distributing chamber, a block of refractory material having a plurality of passages extending therethrough from face to face thereof, and a plurality of elongated plugs of refractory material each formed with a plurality of longitudinally extending holes of a diameter sufficiently small to prevent back flashing to said mixing and distributing chamber, and each secured in one of said passages adjacent said mixing and distributing chamber.

2,122,133

**IRON-TANNED LEATHER**

Hans Dohse, Heidelberg, and Werner Huehn, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application July 16, 1936, Serial No. 90,918. In Germany July 24, 1935

16 Claims. (Cl. 149—5)

1. The process for the preparation of iron-tanned leather which comprises treating unhaired hides with a solution of a complex iron compound which contains an organic substitution product of ammonia in the complex.

2,122,134

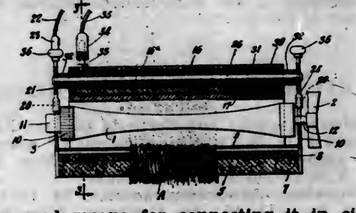
**PERMANENT WAVING APPARATUS**

George B. Finnegan, Jr., Mountain Lakes, N. J., assignor to Eugene, Ltd., New York, N. Y., a corporation of New York

Application May 2, 1935, Serial No. 19,356

5 Claims. (Cl. 219—24)

1. A permanent waving heating device including in combination a clamp for gripping a tress at the scalp, a curler for winding the tress spirally toward the clamp and for supporting the curl on the clamp, said curler being adapted to act as an electrode, an electrode positionable exteriorly of the curl, means for making electrical contact to the curler, means for making contact of opposite polarity to the exterior electrode, and an additional electrode surface on the



clamp and means for connecting it in circuit with the same polarity as the curler.

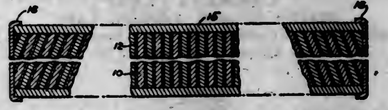
2,122,135

**BUCKY GRID AND METHOD OF MAKING SAME**

Antony P. Freeman, San Francisco, Calif.

Application December 4, 1937, Serial No. 178,124

4 Claims. (Cl. 250—34)



2. The method of making a grid for X-ray photography which comprises the steps of first preparing a block of sheets of X-ray permeable material with intervening relatively thinner X-ray impermeable material, next cutting curved slabs from the end of the block, and then flattening the individual slabs.

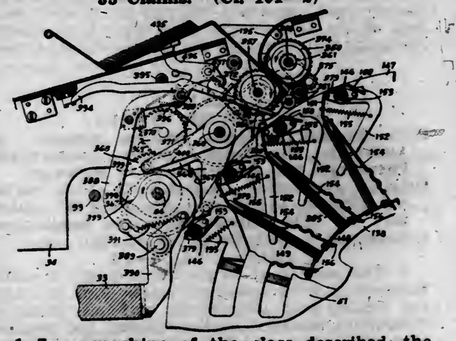
2,122,136

**COMBINED PRINTING AND SORTING MACHINE**

Frederick L. Fuller, West Orange, N. J., and Samuel Brand, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Original application September 7, 1934, Serial No. 743,044. Divided and this application August 20, 1935, Serial No. 36,948

35 Claims. (Cl. 101—2)



1. In a machine of the class described, the combination with a plurality of sets of denominationally ordered printing segments, there being several rows, and each row comprising several sets of printing segments, of means for connecting the printing segments of the same denominational order in each row, and cross-over connec-

tions comprising shafts on which said printing segments are mounted, each connecting a printing segment of the same denominational order in each of the several rows.

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2,122,137
**ALKYLOXY AND ARYLOXY PHTHALOCYANINES**

Sebastian Gassner and Berthold Bienert, Leverkusen-I. G. Werk, Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 30, 1937, Serial No. 123,145. In Germany January 30, 1936

6 Claims. (Cl. 260—12)

1. A phthalocyanine of the benzene series being substituted in the benzene nuclei by substituents selected from the group consisting of alkyloxy and aryloxy groups.

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2,122,138
**GARMENT CLASP**

Martin Hansen, Ventura, Calif.

Application November 25, 1935, Serial No. 51,497

1 Claim. (Cl. 24—224)



In a clasp, a female member comprising a housing having a base provided with a keyhole slot, side and end walls extending from said base forming a part of the housing and defining said keyhole slot, said side walls having uninterrupted slots and the end walls being closed, a spring wire seated in said housing and having at each end a limb, said limbs extending through the wall slots into the wide part of said keyhole slot for resilient gripping engagement with a male member when inserted therein, said limbs converging toward the narrow portion of the keyhole slot and lying in said narrow portion whereby to grip a male member when disposed therein, and the closed end wall of the wide portion of the keyhole slot providing an abutment limiting the converging movement of said limbs.

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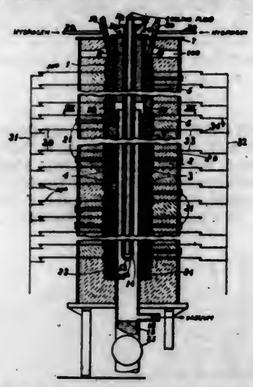
2,122,139
**REFINING OF METALS**

Fritz Hanagirg, Konan, Korea, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware

Original application December 21, 1934, Serial No. 758,622, now Patent No. 2,118,973, dated May 31, 1938. Divided and this application November 6, 1935, Serial No. 48,540

4 Claims. (Cl. 75—10)

1. The method of recovering compact metallic magnesium from powdered magnesium comprising mixing said magnesium with an electrical conducting material, such as carbon and magnesium oxide, and a binder, converting the mixture to granular form, passing the granular material downwardly through a pair of parallel vertical shafts of substantially rectangular cross section separated by a metallic condenser, passing electric current from one side of the material in one shaft through the material therein, said condenser and the material in the other shaft in separated zones transverse to the direction of its movement between electrodes disposed in opposed pairs at the outermost sides of said shafts, regulating the



temperature of the material by switching current into and from the separate zones, passing the magnesium vapor formed into said condenser and condensing it to liquid form.

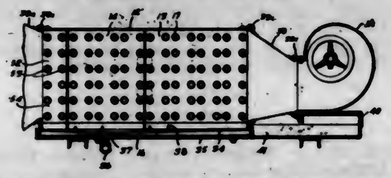
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2,122,140
**REFRIGERATING METHOD AND APPARATUS**

Charles F. Henney, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application February 19, 1934, Serial No. 711,824

9 Claims. (Cl. 62—176)



1. The method of conditioning air in an enclosure in which people assemble which comprises passing air for said enclosure in a horizontal direction between a plurality of substantially parallel vertically disposed surfaces having free trickleways between said surfaces located in a horisontal zone above the heads of occupants in said enclosure and refrigerated below the temperature of the air being conditioned and above 32° F., delivering said air in the form of a blast above the normal head zone of occupants in said enclosure thermally insulating a space below said surfaces and removing moisture condensed from said air below said surfaces.

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2,122,141
**GARMENT HOLDER**

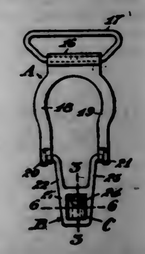
Eugene F. Heithaus, Los Angeles, Calif., assignor to Invis-a-Grip Company, Los Angeles, Calif., a corporation of California

Application November 23, 1936, Serial No. 112,257

6 Claims. (Cl. 24—243)

3. In a garment supporter, a hose engaging yoke having an open end and a closed end, a support on which the open end of the yoke is pivotally carried, a projection on the closed end of the yoke having an opening therein, a finger on the inner periphery of said opening, and a resili-





ent collar encircling said finger and projecting from opposite sides of said projection.

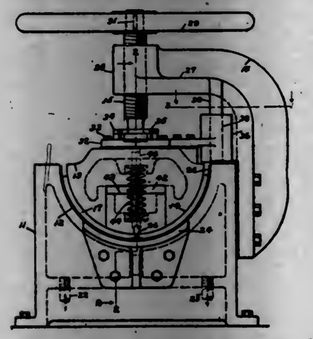
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2,122,142
**METHOD OF AND MEANS FOR FORMING PRINTING PLATES**

William F. Huck, Richmond Hill, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application June 19, 1935, Serial No. 27,329

10 Claims. (Cl. 153—48)



2. In a forming press for a pre-curved printing plate having two straight edges and two curved edges, a concaved press member, the radius of the curvature of which is greater than the radius of the plate, adapted to receive the plate, means to clamp the plate against the concaved member along a line substantially midway between the straight edges of the plate, and a convexed press member, the radius of the curvature of which is greater than the radius of the plate, adapted to then engage and spread the side edges of the plate apart and then force the plate into conformity with the concaved member.

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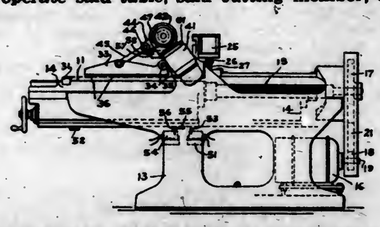
2,122,143
**PLATE SHAVING MACHINE**

William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application December 11, 1936, Serial No. 115,309

10 Claims. (Cl. 90—25)

1. In a plate shaving machine, a reciprocable plate holding table, a plate cutting member, a plate hold down device, said cutting member and said hold down device being mounted for movement into and out of engagement with a plate on said table, separate electrically operated means to operate said table, said cutting member, and



said hold down device, and a common operation starting means for all of said operating means.

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2,122,144
**STOCKING DISPLAY DEVICE AND THE LIKE**

Henry Janssen, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application April 14, 1936, Serial No. 74,286

5 Claims. (Cl. 223—75)



1. A stocking display device comprising a base including a foot seat having a depressed sole-form surface substantially conforming to the sole of a foot, said base also having a leg seat, and a form simulating the foot and a portion of its leg having its sole end portion conforming substantially to said sole-form surface and means at its opposite end for substantially telescopically fitting said second seat over said first seat.

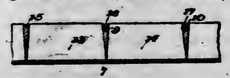
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2,122,145
**RADIO COMMUNICATION SYSTEM**

Frank G. Kear, Minersville, Pa., Gomer L. Davies, Cleveland, Ohio, and William H. Orton, Washington, D. C., assignors to Washington Institute of Technology, Washington, D. C., a corporation of Delaware

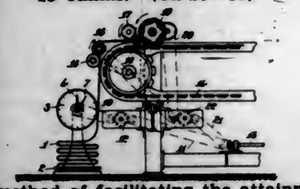
Application August 3, 1933, Serial No. 683,518

3 Claims. (Cl. 179—82)



1. An antenna array for a limited range radio communication system for a restricted area having a floor surface formed of a plurality of substantially abutting members, comprising a radiating element having a portion disposed between adjacent members.

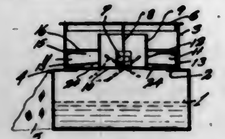
2,122,146
**FINISHING PLANIFORM TEXTILE FABRICS**
Hubert Krantz, Aloys Simons, and Heinrich Buysch, Aachen, Germany, assignors to firm H. Krantz Söhne, Aachen, Germany
Application February 26, 1936, Serial No. 65,820
In Germany March 6, 1935
15 Claims. (Cl. 26—57)



1. A method of facilitating the attainment of predetermined final dimensions in the treatment of fabrics in web-form designed to be passed by conveying means through the treating machine, consisting in continuously feeding the web to a treating machine, giving during this feeding current visual indications of the amount of fabric fed to the machine and adjusting the feeding speed relatively to the speed of forward movement of the web in the machine in dependence of the said visual indications in such a manner as to cause definite partial amounts of the fabric to be delivered to the unit in length of the conveying means of the machine, whereby the total amount of the fabric of the web is uniformly distributed on a predetermined length of the conveying means of the machine.

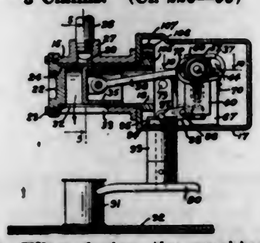
7. A method of facilitating the attainment of predetermined final dimensions in the treatment of fabrics in web-form designed to be passed by conveying means through a treating machine, consisting in accumulating the fabric web in stock at the intake end of the treating machine, feeding the web from the stock to the machine, weighing the stock of fabric before and during the feeding to the machine, giving visual indications of the weight of the stock and its continuous decrease during the feeding, and relatively adjusting automatically the advance of the web conveying means of the treating machine and the amount of fabric delivered to the conveying means.

2,122,147
**TRAP**
William Fred Lamp, Spokane, Wash.
Application January 25, 1937, Serial No. 122,152
7 Claims. (Cl. 43—67)



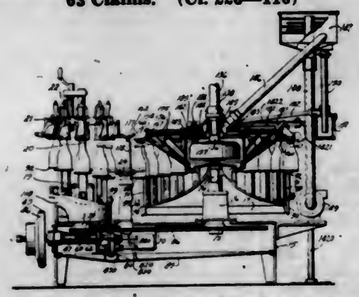
1. In a trap, a container having a top wall formed with an opening, a housing resting upon the top wall about the opening and spaced from the margins of the top wall to provide a pathway about the housing, the walls of the housing being formed with entrance openings, a removable cover for said housing, a sleeve in said housing defining an inner chamber and formed with openings opposite the openings of the housing, tunnels connecting opposed openings of the sleeve and housing, tiltable platforms in said tunnels, guards in the tunnels connected with said platforms and adapted to be moved thereby from a raised position to a lowered position across the tunnels when the platforms are tilted out of their normal position by an animal passing over a platform, a tiltable platform pivotally mounted in the inner chamber, and a bait holder suspended from said cover within the inner chamber.

2,122,148
**FILLING MACHINE**
Joseph L. Lawrence, San Francisco, Calif., assignor to Walter King, San Francisco, Calif.
Application April 3, 1937, Serial No. 134,857
3 Claims. (Cl. 226—99)



1. In a filling device, the combination of a housing for a cylinder, a cylinder therein, said housing and said cylinder having intake and discharge ports adapted to be alternately brought into registry upon oscillation of said cylinder, a piston in said cylinder, means for reciprocating the piston to successively charge and discharge material from the cylinder, a clutch for said reciprocating means including two elements engageable by yieldable means, control means for said clutch comprising a receptacle actuated member on a shaft, a collar having a plurality of grooves on the opposite end of said shaft, a second shaft at right angles to the first, a link fixed at the end of the second shaft adjacent said collar, a pin on said link normally disposed in one of said grooves in said collar, a finger fixed on the second named shaft at the end opposite to the link and acting upon said yieldable means in said clutch to normally disengage the same when said pin is in one of said grooves on said collar but retractable upon movement of said receptacle actuated member and the raising of said pin to the normal plane of said collar.

2,122,149
**BOTTLE FILLING MECHANISM**
Adolph J. Lippold, Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Milwaukee, Wis., a corporation of Delaware
Application February 23, 1935, Serial No. 7,742
63 Claims. (Cl. 226—116)

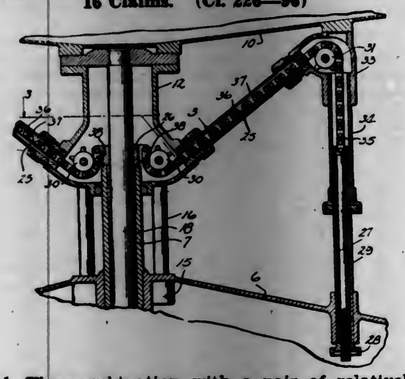


4. A bottle filler comprising the combination with a central chamber, of a closure therefor



providing a vacuum chamber, a supply pipe leading to said first mentioned chamber through said closure and provided with a float valve for maintaining a predetermined level of liquid therein, an annular series of filler heads surrounding said first mentioned chamber above said level, pipes leading upwardly from said first mentioned chamber to said heads, and vacuum pipes from said heads to the vacuum chamber within said closure, said several pipes providing means for supporting and bracing said heads.

2,122,150
**STABILIZER**
Adolph J. Lippold, Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill., a corporation
Application January 9, 1937, Serial No. 119,829
16 Claims. (Cl. 226—96)



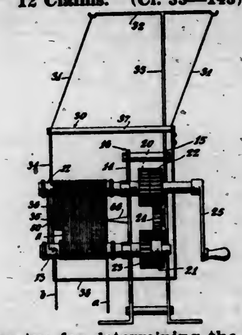
1. The combination with a pair of relatively adjustable members and a support upon which such adjustment is effected, one of said members being in substantial balance on said support when unloaded of stabilizing means for resisting the tilting of either member with respect to the other while freely accommodating said adjustment, said means comprising flights connecting said members at points fixed with reference to said members and of varying remoteness from said support, and a connecting element for simultaneously adjusting said flights while maintaining the variations in length of said elements identical with each other.

2,122,151
**METALLIC WINDOW FRAME**
John Luethke, Guttenberg, N. J.
Application March 8, 1937, Serial No. 129,612
5 Claims. (Cl. 189—69)



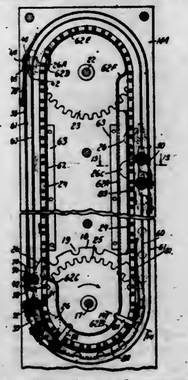
1. A metallic window frame construction having a window opening, a metallic sash having one of its stiles pivoted on a stile of the window frame to swing pivotally in relation to said window opening, said window frame being provided with a sill member having an opening for an operating lever, an operating lever connected with said sash and movable through said opening, a water receiving trough mounted on the inner surface of said sill member and comprising opposite end sections extending toward said lever opening and a bridge member extending upwardly from the ends of said end sections above said lever opening to form a seat for a lever-operating device between the ends of the end sections and beneath said bridge member, and an operating device extending within said seat and having an operative connection with the lever to move the same through said lever opening.

2,122,152
**APPARATUS FOR DETERMINING AND INDICATING VARIATIONS IN THICKNESS OF THREAD OR THE LIKE**
Hans P. Luhn, New York, N. Y.
Application April 30, 1935, Serial No. 19,044
12 Claims. (Cl. 33—143)



1. Apparatus for determining the thickness of thread or the like comprising; means for supporting a thread panel that consists of successive portions of thread and which has a width proportional to the thickness of said thread portions; means associated with the supporting means for engaging an edge of the panel and movable in response to variations in width of said panel; and means controlled by said last means for indicating the thickness of said thread.

2,122,153
**ADVERTISING DEVICE**
Frank C. B. Page, New York, N. Y., assignor to Page Displays, Inc., New York, N. Y., a corporation of New York
Application September 24, 1936, Serial No. 102,306
26 Claims. (Cl. 40—31)

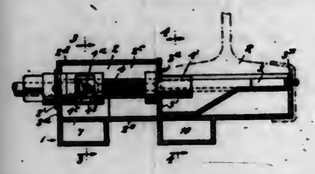


1. A plurality of units each comprising a spring roller, a cross bar and a display sheet with

opposite ends attached to said roller and said bar, means for moving the rollers continuously through an endless path, at different rates of speed through different parts of said path and for engaging and moving the cross bar of one unit while it is moving the roller of another unit at a high rate of speed.

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2,122,154
**HEATER FOR RAILWAY SWITCHES**
Lloyd H. V. Reynolds, New York, N. Y.
Application February 8, 1937, Serial No. 124,645
6 Claims. (Cl. 246—428)



5. A heater unit for railway switches embodying, in combination, a housing having a flame-confining combustion chamber having at one wall an open seat completely surrounded by a series of imperforate walls all of which are provided with edges terminating in a substantially common plane to form said seat, and a closure for said seat comprising a portion of a switch rail adapted to fit over said seat, a burner for producing within said combustion compartment a gas flame located and confined between said series of walls and seat-closure, said series of walls and said closure conjointly bounding said flame-confining combustion-compartment, and a flue connected with said combustion chamber at a position spaced from said seat.

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2,122,155
**SCREEN DOOR**
George Schlatt, New York, N. Y.
Application March 18, 1936, Serial No. 69,422
2 Claims. (Cl. 20—38)



2. In combination with a door having a display sign centrally a part thereof, a plurality of diagonally crossed bars having flanged ends at their outer extremities and means adjacent their crossing part for retaining said display sign with respect to the door, a pair of flanged brackets one for each end of said bars adjacent said flanged ends, and adjustable means securing the said brackets to the respective flanged ends of the bars.

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2,122,156
**REFLECTING SIGN**
Clarence A. Scheitz, Minneapolis, Minn.
Application March 22, 1937, Serial No. 132,335
2 Claims. (Cl. 41—36)



1. The process of producing a device of the kind described which consists (1) in producing or taking a flat metal base having a polished reflecting surface; (2) in placing an opaque design on the reflecting face of said base, thereby blanking out that portion of the reflecting surface on which the design is placed; (3) in applying on that portion of the reflecting surface that is outside of said design, a transparent varnish in color differing from that of the design; (4) in applying a coating of small glass beads or particles of like color on the varnished reflecting surface outside of said design, before said varnish has dried; (5) in applying on that portion of the reflecting surface that is inside of said design, a transparent varnish that differs in color from that of the design and of the reflecting surface outside of said design, before the varnish has dried; (6) in applying on the varnished surface within said design a coating of small beads or particles of the same color, which color differs from the color of said design and of the outside reflecting surface; (7) in applying over the face of the otherwise completed device a coating of transparent waterproof varnish.

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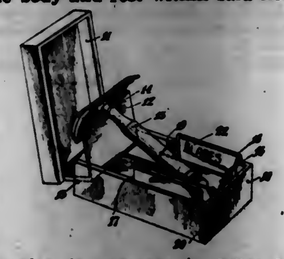
2,122,157
**HARD METAL ALLOY, ESPECIALLY FOR TOOLS**
Paul Schwarzkopf, Reutte, Austria, assignor to The American Cutting Alloys, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application September 12, 1934, Serial No. 743,717. In Germany April 18, 1934
21 Claims. (Cl. 75—126)

1. A hard metal for tool elements and other working appliances consisting of at least three different hard and refractory carbides of elements selected from the third, fourth, fifth, and sixth group of the periodical system and auxiliary metal substantially of the eighth group of the periodical system in amounts from about 3% to 25% by weight, substantial amounts of said carbides forming mixed crystals.

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2,122,158
**RECEPTACLE**
Hyman R. Segal, New York, N. Y., assignor to Segal Safety Razor Corporation, New York, N. Y., a corporation of New York
Application December 13, 1935, Serial No. 54,184
10 Claims. (Cl. 206—16)

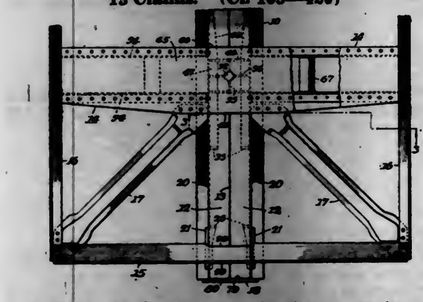
1. A receptacle including a body, a cover, an edged plate rigidly secured to said cover and hingedly connected to said body, the edge of said plate presenting an article receiving notch whereby an article may be disposed within said receptacle body and rest within said notch, said



article moving in response to cover and plate movements.

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2,122,159
**WELDED DRAFT SILL ASSEMBLY**
Raymond M. Shaver, Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application June 29, 1935, Serial No. 29,068
15 Claims. (Cl. 105—420)



1. In a car underframe having a center sill and bolster members upon opposite sides of the sill, bottom cover plates connecting said bolster members and center sill, and fabricated bolster filler frames incorporating portions of said cover plates and sill and comprising each a pair of wall plates spaced longitudinally of the car connecting the adjacent cover plate and sill portions transversely of the car, and pin socket plates between and connecting said wall plates, sill and bolster cover plate.

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2,122,160
**RESISTOR**
Harold C. Sherk, Erie, Pa., assignor to Erie Resistor Corporation, Erie, Pa., a corporation of Pennsylvania
Application October 26, 1933, Serial No. 695,362
10 Claims. (Cl. 201—64)



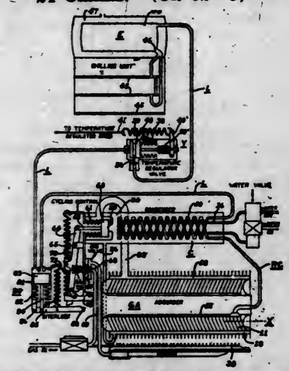
1. In a resistor, the combination of a split ring of composition resistor material; separated and



oppositely axially extending terminals for the ring; insulation for the split ring; and electric connections between circumferentially spaced portions of the ring and the terminals, said connections being within the axially projected area of the ring.

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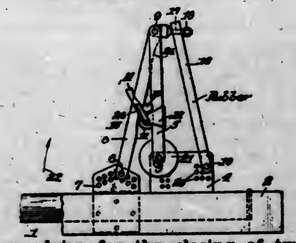
2,122,161
**REFRIGERATING APPARATUS**
Harry F. Smith, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application April 27, 1933, Serial No. 668,242
24 Claims. (Cl. 62—5)



2. Absorption refrigerating apparatus including a generator-absorber and an evaporator communicating with the generator-absorber, means including a volatile liquid for heating the generator-absorber, means dependent upon the pressure of said volatile liquid for initiating the heating of the generator-absorber, and means for suspending the operation of said dependent means to delay the heating of the generator-absorber.

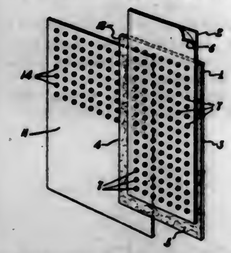
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2,122,162
**REGULATOR FOR THE CLOSING OF TWO HINGED PARTS**
Harry Smith, Leytonstone, London, England, assignor to The Payson Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application February 26, 1937, Serial No. 128,007
In Great Britain February 28, 1936
16 Claims. (Cl. 16—49)



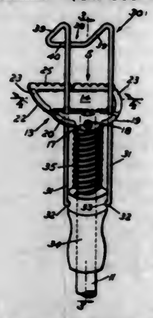
1. A regulator for the closing of two hinged parts, comprising two arms each pivoted at one end to one of the parts and at the other end to the other arm, so that the angle between said arms varies during the closing of the parts, and a regulating member positioned between said arms to frictionally engage and slide on the same, for mechanically varying the velocity of the closing movement in accordance with variations in such angle.

2,122,163
**PERMANENT WAVING APPARATUS**
Eugène F. Suter, New York, N. Y., assignor to Eugene Ltd., New York, N. Y., a corporation of New York
Application January 6, 1936, Serial No. 57,644
2 Claims. (Cl. 219—24)



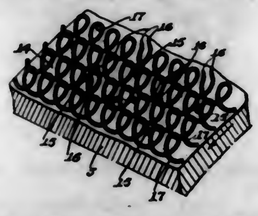
1. A curl heating device for permanently waving hair comprising a sheet of absorbent material adapted to hold an electrolyte, an inner electrode sheet which is vapor pervious, an outer electrode sheet, and means for causing less electrical conductivity at one end of the device and greater conductivity at the other end of said device, comprising a plurality of perforations in the outer electrode sheet near one end thereof.

2,122,164
**HANDLE**
Edward C. Van Buskirk, South Pasadena, Calif., assignor to Dora L. Williams, Glendale, Calif.
Application June 17, 1936, Serial No. 85,710
3 Claims. (Cl. 306—1)



2. In a device as described, the combination of a handle having a beveled end, a fixed jaw in the form of a plate extending transversely of said end and in contact therewith, an attaching portion extending at an obtuse angle to the main portion of the plate and having a central part to conform to the curvature of the handle and a bolt through said central part attaching the plate to the handle, the plate having symmetrical edges diverging from the central part attached to the handle, a gripping portion having a straight edge and bent at an obtuse angle to the main portion of the plate, said angle being in the opposite direction to the portion attached to the handle, the plate having a pair of perforations on opposite sides of the handle, a collar slidably mounted on the handle, a pair of arms attached to the collar and extending through the perforations and a movable jaw connected to the said arms, a spring coiled on the handle and engaging a portion of the said plate and the collar.

2,122,165
**RESILIENT IRONING SURFACE**
Claude J. West, Philadelphia, Pa., assignor, by mesne assignments, to Theodore Halkias, Philadelphia, Pa.
Application December 22, 1936, Serial No. 117,129
5 Claims. (Cl. 38—65)



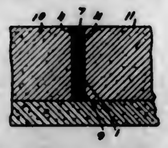
1. In a laundry machine, a cylindrical roll, and a resilient fabric supporting mesh comprising a series of parallel interlockingly intertwined helical spring coils having unskewed convolutions, said mesh being adapted to be circumferentially applied to the surface of said roll with the longitudinal axes of the individual coils of said mesh generally parallel to the axis of rotation of the roll.

2,122,166
**SHIP'S SIDE-LIGHT**
Carl Johan Fredrik Westman, Stockholm, Sweden
Application February 10, 1937, Serial No. 125,066
In Sweden February 12, 1936
2 Claims. (Cl. 240—7.5)



1. Side-lights for marine and air craft consisting of a source of light in the shape of an anterior vertical elongated shank, and a second source of light in the shape of a posterior horizontal elongated shank disposed parallel with the fore and aft center line of the craft, and a screen fitted alongside and behind said vertical shank in such manner that when viewed by degrees from ahead to abeam, the vertical light alone is at first seen, then besides the vertical light, a gradually lengthening horizontal light, and finally a gradually diminishing width of the vertical light under continued lengthening of the horizontal light.

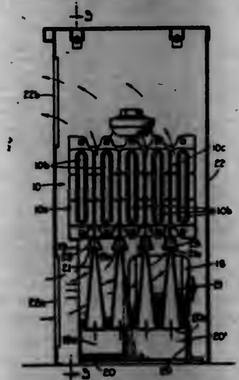
2,122,167
**EXPANSION JOINT**
Lester Wittenberg, New Rochelle, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application March 21, 1934, Serial No. 716,625
14 Claims. (Cl. 94—18)



1. An expansion joint comprising an envelope provided with a plurality of cells therein, and waterproofing material partly but not completely filling each of said cells.

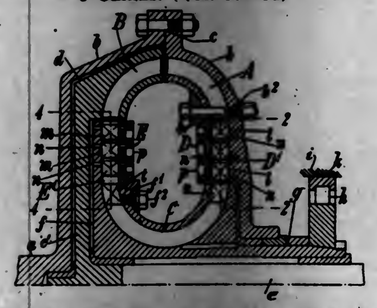


2,122,168
**AIR HEATING ASSEMBLY**
Clarence M. Woolley, New York, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application October 12, 1935, Serial No. 44,707
5 Claims. (Cl. 257—137)



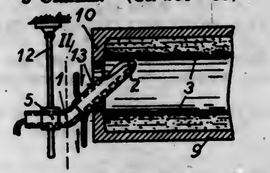
1. The combination with a radiator provided with heat exchange surfaces disposed in horizontal side-by-side mutual relation to form vertically extending passages, of air compressing means, conduit means having volumetric capacity and arranged for conducting air under pressure delivered by said air compressing means, and nozzles communicating with said conduit means and individually disposed and directed in discharge flow in correspondence to and in substantial alignment with said horizontally side-by-side mutually arranged, vertically extending passages.

2,122,169
**LIQUID POWER TRANSMISSION DEVICE**
Walter Gordon Wilson, Winchester, England
Application September 14, 1936, Serial No. 100,773
In Great Britain September 14, 1935
9 Claims. (Cl. 60—54)



1. In a hydraulic power transmitting device comprising driving and driven elements, and a reaction element positioned between said driving and driven elements each of said elements being provided with a series of fixed vanes which form radial passages through which the liquid flows from one element to the other in a closed circuit, the provision in the driving element, between the inlet end of the radial passages thereof and the outlet end of the radial passages of the reaction element, of an annular space within which are positioned a series of freely pivoting vanes each of which is separately mounted in the side walls of the driving element so as to lie in the path of the liquid and is acted upon by said liquid independently of the others, so that when a change of speed occurs between the driving and driven elements, the said pivotal vanes are automatically adjusted by a changing angle of impingement into such a position as will afford the most appropriate guidance for the passage of liquid from one element to the other.

2,122,170
**METHOD FOR WITHDRAWING MATERIALS FROM HIGH-SPEED ROTARY FURNACES**
Georg Zotos, Berlin, Germany
Application April 15, 1936, Serial No. 74,515
In Germany April 23, 1935
3 Claims. (Cl. 266—38)



1. A method of discharging molten material through a channelled discharging member from a cylindrical furnace, consisting in rotating the furnace about a horizontal axis to form the molten material by centrifugal action into a hollow cylinder, inserting one end of the discharging member into the revolving cylinder, and dipping said end into the surface of the cylinder with the mouth of the member set against the movement of the material for diverting the latter through the member.

2,122,171
**COMBINED HAT AND HANDBAG**
Edith F. Alexander, Haverford, Pa.
Application February 13, 1937, Serial No. 125,618
5 Claims. (Cl. 2—196)



1. A combination hat and handbag in the form of a pouch with a cross-wise mouth, said pouch being of a size to fit over the crown of the head when used for a hat; complemental slide fastener lugs secured along the opposite side edges of the mouth, and a fastener slide cooperating with said lugs in closing the pouch, said lugs permitting the mouth to bend around the head when open; and means for connecting the pouch walls across the mouth and forming a sling for carrying the pouch when used as a handbag, yet leaving the mouth free to open when disconnected.

2,122,172
**FURNITURE FRAME**
Adolf Bergmann, Berlin-Charlottenburg, Germany
Original application September 12, 1934, Serial No. 743,668. Divided and this application March 20, 1936, Serial No. 69,940. In Germany September 18, 1933
2 Claims. (Cl. 155—194)

3. The method of making ornamental metal

furniture frames which consists in bending an unfinished metal core to desired shape, and thereafter placing a flexible preformed orna-



mental metal jacket over exposed portions of said core to impart an ornamental metal finish to the frame.

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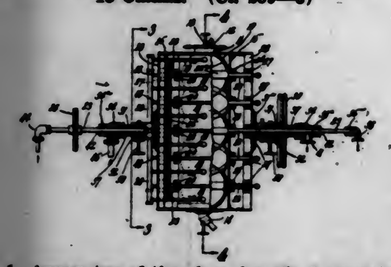
2,122,173

**APPARATUS FOR MIXING AND REACTING PURPOSES**

Orton B. Brown, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine

Application December 10, 1935, Serial No. 53,689

13 Claims. (Cl. 259—3)



1. Apparatus of the class described comprising a plurality of intercommunicating compartments each presenting an internal wall surface which is substantially entirely a spherical segment, a mixing blade mounted for rotation in each compartment and having an outer edge substantially conforming to and only slightly clearing said wall surface, means for rotating said blades to cause said blade edges to generate substantially spherical surfaces and thus repeatedly to remove substantially completely material being mixed from said surfaces, and means for revolving said apparatus as a whole, while said blades are being rotated, about an axis that results in flow of material being mixed back onto said surfaces.

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2,122,174

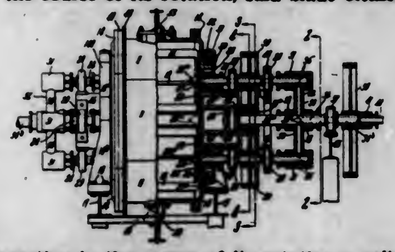
**APPARATUS FOR MIXING AND REACTING PURPOSES**

Orton B. Brown, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine

Application October 19, 1937, Serial No. 169,818

5 Claims. (Cl. 259—3)

1. Apparatus of the class described comprising a plurality of intercommunicating, semi-cylindrical mixing compartments closed at their ends and arranged in side-by-side, annular relationship about a common, substantially horizontal axis of revolution for said apparatus as a whole, the axes of said compartments being substantially parallel with said common axis and the compartmental spaces merging with one another to constitute in effect a single mixing chamber closed at its ends, said common axis lying substantially in the cylindrical planes of curvature of said semi-cylindrical compartments, a rotary agitator arranged within each of said compartments and including a blade element substantially coextensive with and only slightly clearing the internal cylindrical wall of its compartment in the course of its rotation, said blade element



generating in the course of its rotation a cylindrical surface of revolution substantially within which said common axis lies, means for simultaneously rotating adjacent agitators in opposite directions, and means for independently and simultaneously revolving the apparatus as a whole about said common axis.

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2,122,175

**ABSORBENT TEXTILE**

Charles P. Coulter, Jr., Great Neck, N. Y., assignor to Wellington Sears Company, New York, N. Y., a corporation of Massachusetts

Application March 6, 1936, Serial No. 67,425

1 Claim. (Cl. 139—426)




An absorbent crash towel comprising a fabric having a warp of coarse loosely spun linen and cotton yarn, and a filling of coarse loosely spun yarn comprising about 48% cotton and 12% linen to give strength to the towel during repeated wettings and about 40% of short staple synthetic fibers of the viscose, acetate or cupra-ammonium type, including rayon; the filaments of said fibers being about 1½ inches in length, and about 3 denier; the cotton and linen being enough in quantity to impart sufficient durability and strength to the fabric, during repeated wettings, to adapt the fabric for long use as a towel, the linen increasing the strength when wet; said filaments and filling being coarse enough to produce superior friction during wiping, and being sufficiently coarse, loosely woven and short, and sufficient in quantity, to afford about three times the absorbing, drying and evaporating quality of an all-linen towel of similar weight and size.

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2,122,176

**AIR PREHEATER**

Charles J. Herbeck, Cedar Rapids, Iowa, assignor to The Air Preheater Corporation, New York, N. Y.

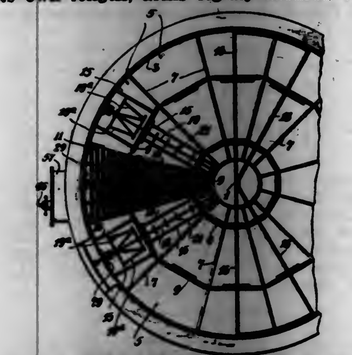
Application August 31, 1937, Serial No. 161,719

5 Claims. (Cl. 257—6)

1. In a regenerative heat transfer device of the type described comprising a generally cylindrical rotor in which are mounted tangentially arranged plates alternately traversed during the rotation of the rotor by a heat-delivering and a



heat-absorbing current of gases, means to clean the plates comprising a bar mounted adjacent to and above the plates radially of the rotor with freedom for some motion in a direction parallel to its own length, arms rigidly secured to the



bar at spaced points along its length, and extending into spaces between the plates, and means to jar the bar periodically and thereby to jar the plates and shake adhering solid particles from them.

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2,122,177

**INJECTOR**

Victor G. Klein, St. Louis, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri

Application May 19, 1937, Serial No. 143,401

7 Claims. (Cl. 184—7)




1. An injector comprising a body having an inlet for receiving fluid under pressure and having an outlet for delivering fluid under pressure and a chamber, a movable dividing means in the chamber having areas presented to pressure on opposite sides thereof, said body including a port between said inlet and one side of the dividing means and a port communicating between the outlet and the other side of the dividing means, valve means traversing said ports and normally biased to one position in which both of said ports are cut off from the inlet and outlet, said valve means presenting an area to pressure of the inlet whereby when said pressure rises the valve means is moved to a position to connect said ports respectively to the inlet and outlet.

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2,122,178

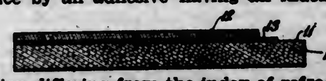
**DIFFUSING LIGHT POLARIZER**

Edwin H. Land, Wellesley Farms, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J., a corporation of New Jersey

Application September 30, 1936, Serial No. 103,323

9 Claims. (Cl. 88—1)

2. A diffusing light-polarizer comprising a sheet-like light-polarizing material comprising a suspension of oriented polarizing particles in a light-transmitting medium and adhesively affixed to a supporting element having a light-diffusing surface by an adhesive having an index of re-



fraction differing from the index of refraction of said supporting element, said adhesive being adapted to bond said material to the diffusing surface of said element.

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2,122,179

**AGITATOR TOP FOR VACUUM CLEANER FILTERS**

Ward Leathers, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y., a corporation of Delaware

Application July 31, 1937, Serial No. 156,696

3 Claims. (Cl. 183—59)



1. In a vacuum-cleaner, a motor-suction-unit, an operator's handle surrounded by a filter, a dome-like cap on said filter, a spring-resisted plunger surrounding the handle and passing through said cap for disengaging dirt or rubbish that sticks in the top of the filter.

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2,122,180

**SYNTHETIC SPINELS**

Ekbert Lederle, Ludwigshafen-on-the-Rhine, and Rudolf Brill, Heidelberg, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application July 28, 1937, Serial No. 156,144. In Germany July 29, 1936

5 Claims. (Cl. 106—36.1)

1. The process of producing synthetic spinels according to the known process of Verneuil by fusing mixtures of zinc oxide and titanium dioxide which comprises preheating mixtures which contain the said oxides in a molecular ratio of from 0.9 to 2 ZnO : 1 $TiO_2$, to temperatures between 500° and 1000° C. before fusing the mixtures.

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2,122,181

**SYSTEM FOR CONCRETE CONSTRUCTIONS**

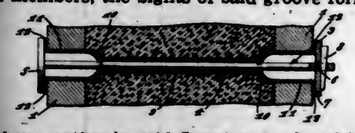
George I. Rerick, St. Petersburg, Fla.

Application February 24, 1936, Serial No. 65,475

2 Claims. (Cl. 25—131)

2. A combined tie and grooving means for concrete structures, comprising a plurality of tubular members having flared opposite ends, an elon-

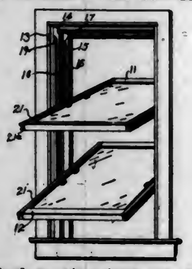
gated groove forming member U-shaped in cross-section disposed at each end of said tubular member, laterally projecting flanges carried by the opposite legs of said groove forming members and engageable against the outer surface of opposed form members, the legs of said groove forming members having a length sufficient to dispose the bights thereof inwardly of the inner faces of said form members, the bights of said groove forming



members seating in said flared ends of said tubular members, spaced apart tie members extending through said tubular members and said groove forming members and engaging against the outer sides of said flanges, and a plurality of blocks engaging between the legs of said groove forming member between pairs of said tie members to hold said groove forming member against collapsing.

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**2,122,182**
**WINDOW STRUCTURE**
**Addison J. Rogers, Cleveland Heights, Ohio**
**Application April 7, 1937, Serial No. 135,521**
**5 Claims. (Cl. 20—49)**

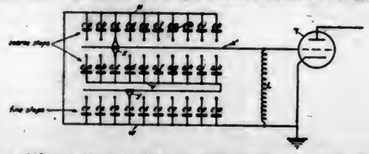


1. In a window structure, a sash, a frame having portions adjacent opposite side edges of said sash, each of said opposite side edges of said sash having inner and outer parallel faces and a groove between said faces extending longitudinally of each side edge, said groove having walls parallel to said faces, and a metal strip member coextensive with each side edge and normally spaced therefrom, each strip member having parts engaging said parallel faces and walls, spring means normally maintaining said strip members in extended position, said frame having inner and outer stops engaging said members in said extended position, counterweight means for said sash, and means for retracting said strip members to clear said stops.

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**2,122,183**
**METHOD OF AND ARRANGEMENT FOR STEPWISE TUNING OF ELECTRIC CIRCUITS**
**Fritz Schwarzer, Berlin-Schoneberg, Germany**
**Application April 8, 1936, Serial No. 73,280**
**In Germany April 11, 1935**
**5 Claims. (Cl. 250—40)**

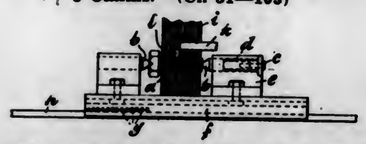
1. Means for stepwise tuning an electric circuit by capacity variation at substantially uniform frequency intervals, comprising a group of individual coarse step capacities and at least one group of selected individual finer step capacities constituting the substeps for the coarse capacities, each of said coarse capacities being divided into two parallel-connected individual constituent capacities at such a ratio with respect to the fine step capacities, that each selected finer step capacity, when connected in se-



ries with one of the constituent capacities of any selected coarse step, produces the same fine step frequency intervals, whereby the same group of finer step capacities can be used as substeps for each coarse step capacity to produce substantially the same finer step frequency intervals for all coarser capacity steps.

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**2,122,184**
**GRINDING MACHINE**
**Arthur Scrivener, Birmingham, England**
**Application January 15, 1937, Serial No. 120,708**
**In Great Britain February 14, 1936**
**3 Claims. (Cl. 51—103)**



1. In a grinding machine of the kind described, for the correction of screw-threads and other helical surfaces, the combination of an annularly serrated grinding wheel, a pair of centres adapted to support the work-piece, a backing wheel adapted to rotate the work-piece between said centres in pressure contact with the grinding wheel, and a universally adjustable control finger adapted to abut on the helical surface of the work-piece, said finger ensuring that the screw-threads on the centred work-piece are correctly aligned in relation to the annular serrations on the grinding wheel, and serving also to traverse the rotating work-piece across the face of the grinding wheel at a rate governed by the speed of rotation of the work-piece and by the pitch of the helical surface.

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**2,122,185**
**METHOD OF WELDING LEAD AND LEAD ALLOYS**
**Albert A. Smith, Jr., Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey**
**No Drawing. Application March 20, 1937, Serial No. 132,093**
**3 Claims. (Cl. 113—112)**

1. The process for uniting lead or lead alloy surfaces which comprises welding same in the presence of a sodium acetate flux.

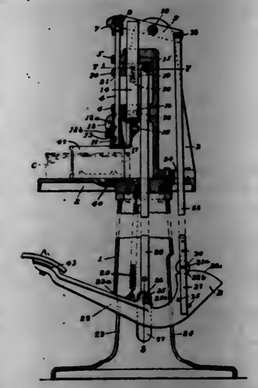
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**2,122,186**
**ROUND-CORNERING MACHINE**
**Edward Southworth, Portland, Maine**
**Application April 6, 1937, Serial No. 135,225**
**8 Claims. (Cl. 164—51)**

1. In a machine for rounding the corners of paper cards and sheets the combination with



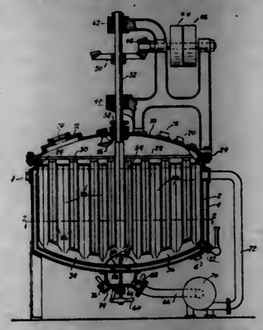
a reciprocating binder-rod and a reciprocating cutting-knife non-synchronously co-acting therewith, of a binder element slidably mounted on said binder-rod, a pawl pivotally secured on said binder element, means on said binder-rod adapted to be engaged by said pawl to hold said binder in any one of various predetermined positions on and vertically of said binder-rod, a roll-equipped connecting-rod making inter-connec-



tion with said binder-rod, a treadle having intermediate its ends pivotal inter-connection with said cutting-knife, and an arcuate-face portion on the rearward end of said treadle slidably engaging said roll-equipped connecting-rod, said portion being eccentrically disposed with respect to the pivotal point of said treadle and adapted, when the forward end of the treadle is depressed, to swing inwardly and downwardly, lowering the rearward end of the treadle bodily.

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**2,122,187**
**CHEMICAL APPARATUS**
**Harold B. Vollrath, Bronxville, N. Y.**
**Application June 3, 1936, Serial No. 83,201**
**6 Claims. (Cl. 259—107)**



1. Mechanism for mixing and dissolving material comprising a chamber of circular cross section, spaced stationary fingers extending downwardly into said chamber, a shaft extending axially of said chamber having oppositely extending arcuate arms thereon with spaced fingers projecting upwardly therefrom and arranged to pass successively between said stationary fingers upon rotation of said shaft, said fingers co-operating to lift material being treated when said shaft and fingers are rotated in one direction and to shear the material when said shaft and fingers are rotated in the opposite direction and means for reversibly rotating said shaft.

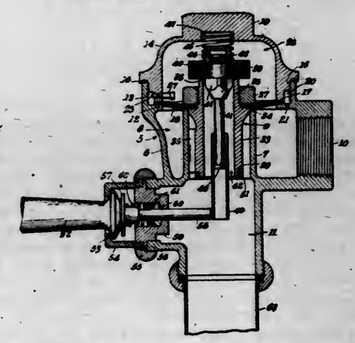
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**2,122,188**
**PROCESS FOR MANUFACTURING VISCOSE**
**Harold B. Vollrath, Bronxville, N. Y.**
**No Drawing. Application June 3, 1936, Serial No. 83,217**
**12 Claims. (Cl. 260—100)**

1. In the manufacture of viscose the steps of charging alkali cellulose crumbs into a chamber, treating the crumbs with carbon bisulfide while stirring the crumbs slowly in both vertical and horizontal planes and maintaining the resulting cellulose xanthate in said chamber in the form of crumbs and in a loose condition free from large lumps or masses, adding to the resulting loose cellulose xanthate in said chamber the full amount of alkali solution required to produce a viscose of the desired alkali and cellulose content and agitating the mixture.

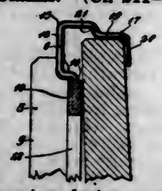
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**2,122,189**
**FLUSH VALVE**
**Michael Ward, South Orange, N. J.**
**Application November 10, 1936, Serial No. 110,055**
**2 Claims. (Cl. 137—93)**



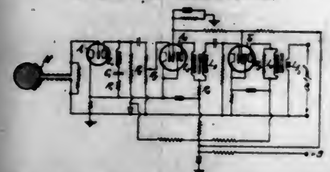
1. In a flushometer valve having a cylindrical wall concentrically disposed to form an annular water inlet chamber; a pressure balancing chamber, a diaphragm between the pressure balancing chamber and the inlet chamber, an inreaching annular flange on which the outer peripheral margin of the diaphragm rests, an internally screw-threaded portion above the annular flange, a cover member having external screw threads for engagement with said threaded portion, an annular ring surface on the bottom of said cover for cooperation with the flange to clamp said peripheral margin of the diaphragm between it and the flange, the lower portion of said cover being reduced in diameter to provide an annular chamber between the threaded portion of the body and the reduced portion of the cover, the outer circumference of the diaphragm being substantially coextensive with the outer circumference of the reduced end of the cover, said flange having a bleed hole therethrough located beyond the peripheral edge of the diaphragm to communicate the inlet chamber with the annular chamber and said reduced portion of the cover having a bleed hole therethrough to communicate the annular chamber with the pressure balancing chamber.

2,122,190
**CLOTHES RACK**
Charles A. Wendt, Milwaukee, Wis.
Application July 10, 1936, Serial No. 90,022
2 Claims. (Cl. 211—113)



1. In a suspension device, a connecting member, a pair of spaced hooks pivotally carried by said member, each of said hooks including an elongated bill having an offset portion and a depending angularly extending terminal portion.

2,122,191
**SOUND TRANSLATION APPARATUS**
Stuart Ballantine, Mountain Lakes, N. J.
Application December 13, 1935, Serial No. 54,347
19 Claims. (Cl. 179—1)



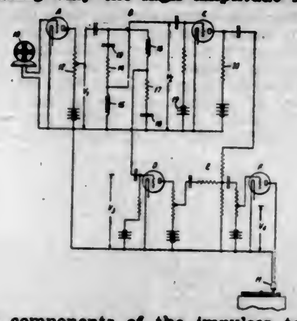
12. Sound translating apparatus comprising a mechano-electric transducer substantially non-responsive to sound waves in air and actuated by vibrations of the larynx due to the voice, means for producing a relation between output and frequency which rises with frequency in the range of from about 200 to 4000 cycles when the transducer is vibrated at constant velocity, and means for selectively reducing the output at a frequency within the said range corresponding to a mechanical resonance point of the larynx, thereby to compensate for abnormally large vibrations of the body at such frequencies.

2,122,192
**ROOFING OR SHEET PRODUCT**
Clements Batcheller, Portsmouth, N. H.
No Drawing. Application December 23, 1933, Serial No. 703,846
7 Claims. (Cl. 12—47.5)

2. The method of making a roofing or sheathing product of the cement-fiber type which comprises pre-coating vegetable fibers with asphalt emulsion, coating the asphalt covered fibers with colloidal clay of the order of bentonite, intermixing said fibers while plastic with asbestos fibers and cement to form a plastic mass, rough forming the product from said plastic, and thereafter subjecting it to substantial pressure to form a dense, hard product.

2,122,193
**RECORDING AND REPRODUCTION OF SOUND**
Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 26, 1935, Serial No. 8,292
8 Claims. (Cl. 179—100.4)

2. An impulse recorder including means for suppressing only the high amplitude high frequency components of the impulses to be recorded and means for amplifying said impulses.



2,122,194
**AUTOMATIC WELDING TORCH**
Butler Lawrence Bixby, Buffalo, N. Y., assignor of one-tenth to Edward H. Wright, Olean, N. Y.
Application June 25, 1937, Serial No. 150,407
1 Claim. (Cl. 113—59)



In an automatic welding torch, the combination with a torch including a combined handle and torch chamber, a torch head, and a torch tip, of a casing hinged to one side of the handle at about the center thereof, guide tubes projecting in alignment from the casing and extending longitudinally of the handle for slidably receiving a welding rod, a rod feeding grooved pulley in the casing extending into the space between the guide tubes for frictionally engaging the rod and feeding the same toward the torch tip, a drive shaft journaled in the casing laterally of the pulley, a friction disc on the drive shaft engaging one face of the pulley, the drive shaft having angularly disposed faces engaging correspondingly disposed faces in an axial opening formed in the drive disc to permit of the drive disc being rotated by the shaft and to be slid longitudinally of the shaft, there being a slot in the wall of the casing, a shift yoke connected to the disc for adjusting the position of the disc longitudinally of the shaft, a screw carried by the shift yoke projecting through said slot for moving the yoke, a nut on the screw exposed exteriorly of the casing within convenient reach of the operator's hand, the arrangement being such that the nut may be readily manipulated by one of the operator's hands while the other hand is holding the torch handle in order to shift the friction disc to engage the center of the feeding pulley in neutral position or to engage the face of the pulley on either side of the center of the pulley to rotate the pulley forwardly or backwardly, and means for attaching a flexible driving shaft to one end of said feeding shaft for driving the feeding shaft.

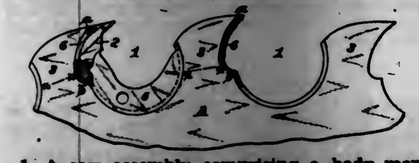
2,122,195
**ELECTRODE RELEASE FOR ARC LAMPS**
Robert J. Brandt, Los Angeles, Calif.
Application November 9, 1937, Serial No. 173,674
7 Claims. (Cl. 176—119)

1. In an electrode holder for arc lamps, a plurality of gear members for engaging an electrode, means for rotating said gear members about the axis of the electrode and about their own axis, and a toggle for releasing said gear members from gripping contact with the electrode.



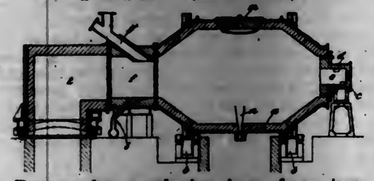


2,122,196
**SAW**
William Emery Miner, Meridian, Miss., and James Sterlin Miner, Shreveport, La., assignors, by direct and mesne assignments, to Simonds Saw and Steel Co., Worcester County, Mass.
Application September 18, 1936, Serial No. 101,510
2 Claims. (Cl. 143—151)



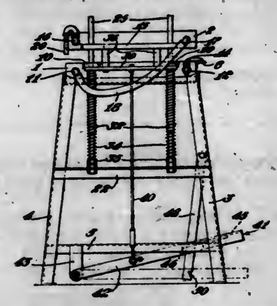
1. A saw assembly comprising a body member having a main recess and a subsidiary recess at the rear of the main recess and communicating therewith, said subsidiary recess having an edge defining the same in the form of a continuous curve merging into a flat shoulder at its inner end, the said edge being of V-shape, and being free from undercut at the lower part thereof, and formed as an unbroken continuation of the upper part, said V-shape formation extending substantially all the way to said shoulder, and a tooth insertable into said subsidiary recess having a comparatively narrow lower end, and grooved to fit the beveled edge of the saw body, said groove extending to the lower bearing face of said tooth, which face is adapted to rest on said shoulder, substantially as described.

2,122,197
**PRODUCTION OF IRON FROM IRON ORE**
Frederick Lindley Duffield, London, England
Application May 4, 1937, Serial No. 140,618
In Great Britain May 6, 1936
2 Claims. (Cl. 75—29)



1. Process for producing iron from iron ore which consists in mixing the iron ore in a granulated state with carbonaceous material, moulding the mixture into blocks, slabs, briquettes or other shaped bodies and charging the said shaped bodies into a furnace heated interiorly by combustion so that they fall into and are submerged in a bath of molten slag contained in said furnace, whereby the slag constitutes a protective coating for the shaped bodies, protecting them against the oxidizing atmosphere of the oxidizing gases in the furnace, and the reduction proceeds within the slag coating by reason of heat absorbed from the slag, whereupon the ore is reduced and the iron particles drop to the bottom and coalesce and can be removed from the furnace in the form of relatively large masses of semi-molten iron with some included slag.

2,122,198
**APPARATUS FOR CONDITIONING ENGRAVING PLATES**
Fletcher R. Edes and Frank M. Martin, Plymouth, Mass.
Application March 25, 1936, Serial No. 70,897
1 Claim. (Cl. 266—2)

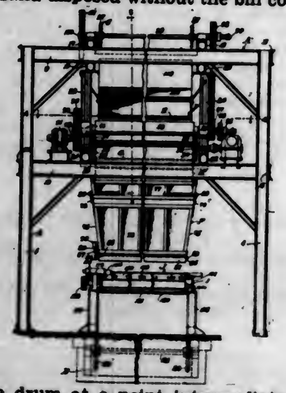


Apparatus for conditioning zinc base engraving plates and like compositions having a relatively low elastic limit, which comprises a rigidly supported base having a supporting surface shaped to provide a close thermal contact with one of the faces of the plate under treatment, a platen cooperating with the base and capable of exerting a pressure of at least 40 pounds per square foot thereon, means for maintaining the upper surface of said base and the lower surface of said platen at a predetermined temperature, guiding means for supporting said platen for movement toward and away from said base, upstanding supports carried by said guiding means and vertically movable so as to engage said platen, retractable means normally operative to maintain said supports in an elevated position wherein said platen is held above said base, and means operative to retract said retractable means and the supports associated therewith so that said platen may descend by gravity upon said base, whereby to subject said plate to the simultaneous effect of its weight and the heat dissipating action of the contacting surfaces of said base and platen.

2,122,199
**HORIZONTAL CORE MACHINE**
Henry G. Floyd, Birmingham, Ala., assignor to the McWane Cast Iron Pipe Co., Birmingham, Ala.
Application October 27, 1936, Serial No. 107,889
8 Claims. (Cl. 22—12)

1. In a horizontal core machine, means for directing a uniform and finely divided sheet of sand onto a horizontal rotating core bar throughout the length thereof corresponding to the length of the core to be made including a sand storage bin, a discharge nozzle, a rotary drum for feeding

sand from the bin into the nozzle, and a beater for the sand disposed without the bin cooperating



with the drum at a point intermediate the bin and the nozzle.

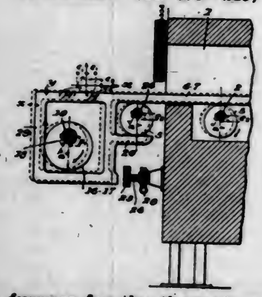
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2,122,200

**APPARATUS FOR CONVEYING OBJECTS TREATED IN CONTINUOUSLY OPERATING FURNACES**

Marcel Fourment, Paris, France

Application January 9, 1935, Serial No. 1,060
In France March 10, 1933
16 Claims. (Cl. 198—219)



5. In a furnace for the thermal conditioning of articles, the combination of a plurality of bars free at one end, means associated with shafts extending transversely of the bars and frictionally engaging the same arranged at intervals throughout the length of the bars for imparting vertical motion thereto, means connected to the bars at a point remote from their free ends and operable in timed relation with the first named means for imparting horizontal movement to said bars, and means for varying relatively the timed relation between said first and second named means and thereby vary the rate of progression of articles through the furnace.

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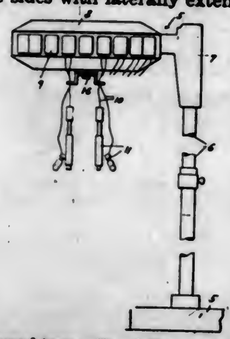
2,122,201

**ATTACHMENT FOR HAIR WAVING MACHINES**

Edna L. Frantz, Slatington, Pa.

Application August 24, 1937, Serial No. 160,692
2 Claims. (Cl. 132—36)

1. In combination with an electric permanent hair waving machine including a circular head having electric wires extending downwardly from the periphery thereof and heating elements electrically connected with the free ends of said wires, a supporting member mounted diametrically on said head at the under side thereof and provided at opposite sides with laterally extending projec-



tions positioned inwardly of the marginal edges of the head with which said wires are engaged in a manner to center the heating elements over the head of the patron and to relieve the weight of the wires and the heating elements from the head of the patron.

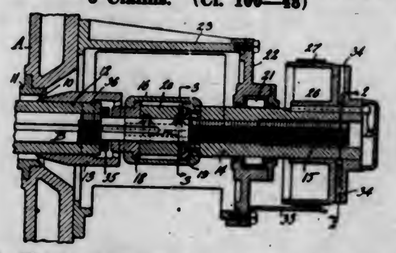
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2,122,202

**EXPRESSING PRESS**

Alfred W. French, Jr., Piqua, Ohio, assignor to The French Oil Mill Machinery Company, Piqua, Ohio

Application January 17, 1935, Serial No. 2,219
3 Claims. (Cl. 100—48)



1. The combination with a press cage having an extrusion aperture, and a driven rotary worm shaft, of an adjusting member which normally rotates with the shaft and has an operating connection with said shaft whereby differential rotation of the shaft and said adjusting member causes movement of the adjusting member relatively to the shaft, means for causing such differential rotation of the shaft and adjusting member comprising cooperating friction brake members, one fixed on said adjusting member, means for operating the other brake member at will during rotation of said driven shaft to frictionally engage the first member, means for mounting said second brake member to react against a stationary part of the press, and means actuated by said relative movement of the said adjusting member to vary the area of said extrusion aperture.

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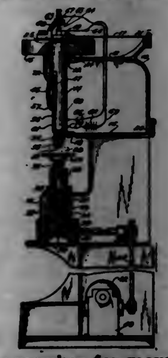
2,122,203

**CONTINUOUS HARDNESS TESTER**

Joseph Gegan, Lakewood, Ohio

Application April 18, 1936, Serial No. 75,140
4 Claims. (Cl. 265—12)

1. In a testing machine, a frame, a movable spindle having a penetrator, an anvil movable toward and from said spindle for pressing a specimen against said penetrator, means resisting movement of the spindle for supplying a test load, a gauge having an actuating member, electrically operated means for releasably connecting the



gauge actuating member for movement substantially proportionately with movement of the penetrator, and a switch controlling said electrically operated means and adapted to be actuated by movement of the spindle.

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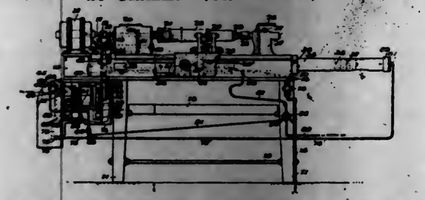


2,122,204

**JAR RING LATHE**

Henry Gora, Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y., a corporation of New Jersey

Application February 2, 1937, Serial No. 123,671
20 Claims. (Cl. 164—69)



20. In a lathe having a lathe bed, a carriage slidably mounted on said lathe bed, and moving cutters mounted on said carriage, hydraulic means for moving said carriage and said cutters in intermittent movement of equal increments including a cylinder and piston operatively engaging said carriage, means supplying equal volumes of fluid to said piston at intervals timed to the movement of said cutters, pneumatic means supplying air to said piston to return said carriage after movement by said hydraulic means, and a control means common to said hydraulic and said pneumatic means allowing air to exhaust from said cylinder when said piston is moved by said hydraulic means and allowing fluid to exhaust from said cylinder when said piston is moved by said pneumatic means.

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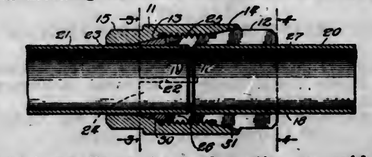
2,122,205

**COUPLING FOR TUBES**

William J. Katzberg, Glen Ellyn, Ill., assignor to Harold N. Andersen, Lakewood, Ohio

Application January 27, 1937, Serial No. 122,648
8 Claims. (Cl. 285—128)

1. A two-piece coupling for frictionally gripping the ends of each of a pair of thin-walled tubes, including: a female sleeve member; a male member in threaded engagement with said female member, said male member being substantially cylindrical and having an opening therethrough forming sockets adapted to receive a tube at each end, said male member having longitudinal slots extending therein from each end thereof and dividing its walls into segments adapted to



yield inwardly; a tapered portion on said male member near each end thereof; and correspondingly tapered portions in said female member adapted to cooperate with said first-mentioned tapered portions, whereby rotation of one of said members with respect to the other forces said segments inwardly to engage the end of each of said tubes.

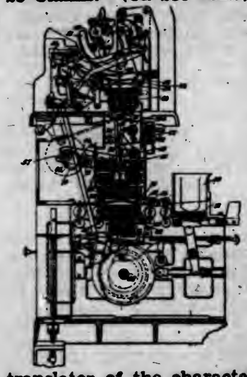
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2,122,206

**TRANSLATOR FOR RECORD CONTROLLED MACHINES**

Lincoln M. Keefe, Springfield, Mass., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application June 21, 1933, Serial No. 676,820
25 Claims. (Cl. 235—61.9)



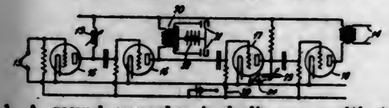
4. In a translator of the character described an interposer comprising a pivoted arm adapted to be moved in a path adjacent to a plurality of control stops in a record controlled machine, a slide plate supporting said arm, a spring adapted to propel said plate and arm toward said stops, an armature comprising a latch engaging said plate and holding the same against the force of said spring, mechanical means for oscillating said arm, and electrical means for releasing said latch and allowing said spring to mechanically propel said plate and arm toward said stops thereby causing said arm to engage and actuate one of the stops in said plurality.

13. In a record controlled machine including sensing pins adapted to read perforations in records, the combination with contact means for translating the motion of said sensing pins into electrical impulses, said means comprising a fixed support carrying a plurality of plungers electrically insulated from and actuated by said pins, a movable support carrying a plurality of cooperating contact members with which all

plungers actuated by said pins establish contact, said contact members being arranged in an assembly held stationary during at least a portion of the operating cycle of the machine, and means for moving said movable support toward said fixed support for resetting said plungers.

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2,122,207
**RECORDING AND REPRODUCTION OF SOUND**
Edward W. Kellogg, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 24, 1935, Serial No. 23,167
30 Claims. (Cl. 179—100.4)



1. A sound recorder including a multi-stage amplifier, means connected in the plate circuit of a leading stage of said amplifier for converting acoustically modulated voltage to a voltage proportional to the rate of change of said acoustically modulated voltage, and means connected in a following stage of said amplifier for suppressing excessive peaks in said converted voltage.

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2,122,208
**BUTTON FASTENER**
Georgia Lyle, Hockley County, Tex.
Application December 13, 1937, Serial No. 179,570
3 Claims. (Cl. 24—104)

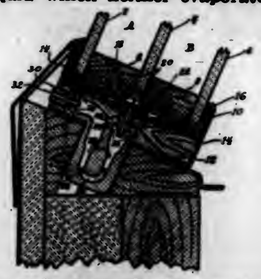


1. In combination, a button, a fastener for the button embodying an integral body provided for detachable engagement with said button, together with an integral projecting prong, and a keeper element with which the pointed end of said prong is engageable, and an attaching member provided with openings for the detachable securing thereof to a garment, and having an opening extending transversely thereof and through which said pointed prong extends for detachably connecting the button mounting to said attaching member, and having a boss for blocking endwise movement of the pin therein.

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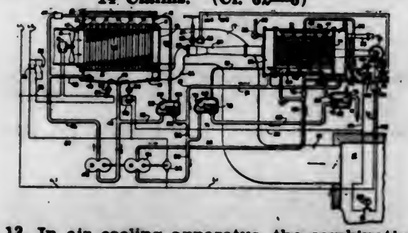
2,122,209
**REFRIGERATED DISPLAY CASE AND THE LIKE**
Frank D. MacMaster, Ewing Township, Mercer County, N. J., assignor to C. V. Hill and Company, Incorporated, Trenton, N. J., a corporation of New Jersey
Application October 15, 1936, Serial No. 105,693
8 Claims. (Cl. 20—56.5)

8. In a refrigerated display case having multiple glass panes spaced apart to provide a dead air space between the refrigerated space in the case and the external atmosphere, the combination of means for relieving differences in pressure between air in said dead air space and the external atmosphere comprising a member having a passage therethrough communicating with said dead air space and the external atmosphere, and a liquid which neither evaporates nor deteriorates on long standing in contact with air or moisture located in said passage and sealing the same.



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2,122,210
**COOLING APPARATUS**
Ernest F. Miller, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 22, 1934, Serial No. 726,939
14 Claims. (Cl. 62—6)



13. In air cooling apparatus, the combination of an evaporator, a vapor motivated ejector for withdrawing vapor from said evaporator to effect cooling by evaporation of liquid therein, and means responsive to a predetermined maximum temperature of said evaporator to discontinue circulation of air in contact with said evaporator.

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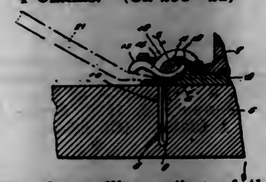
2,122,211
**EXHAUST NOZZLE**
John Mills, Jr., Auburn, Wash.
Application October 11, 1937, Serial No. 168,492
2 Claims. (Cl. 230—100)



1. An exhaust nozzle for a locomotive comprising a cylinder and a plurality of vanes connected with the internal walls of the cylinder, each vane being arranged at an angle and each vane being of wedge shape in cross section with its underside face concave and its other side face convexed, each vane being of substantially the same width from end to end.



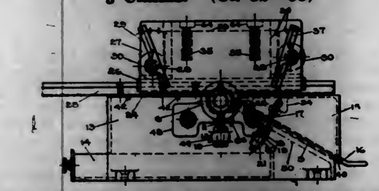
2,122,212
**SPIKE PULLER**
Paul G. Nichols and James D. Nichols, Riverton, Ky.
Application April 20, 1937, Serial No. 138,048
4 Claims. (Cl. 254—21)



1. A puller for pulling spikes of the arched head type comprising a plate having one end portion formed to facilitate the engagement thereunder of a prying tool, an arch-shaped formation on the plate for engagement over the top of a spike head, and a member on the plate shiftable for disposition under the head portion of a spike.

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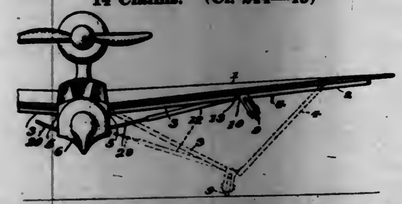
2,122,213
**ORTHODONTIC MODEL FORMER**
Alfred J. Oliver, Milford, Mass.
Application May 29, 1937, Serial No. 145,541
3 Claims. (Cl. 32—38)



2. In a machine tool of the character described, a rotating cutter, a bed supporting the work above the cutter and on which bed the work rests and slides, and a work guide slidable with the work along the bed and across the cutter, to be grasped and propelled by the operator's hand, and having an upright surface against which the work is held by the thumb of the said hand for movement in unison with the work-guide and yieldable downwardly under manual pressure to press the work against the bed without need for relative movement of the work with respect to the work-guide.

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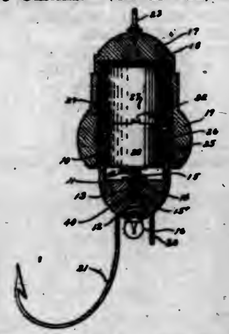
2,122,214
**AIRCRAFT**
Arthur Abner Reid, Dickson City, Pa.
Application April 23, 1937, Serial No. 138,636
14 Claims. (Cl. 244—43)



1. In an aircraft, a fuselage, a main plane, an auxiliary lifting plane pivotally secured at one end adjacent the juncture of the main plane and the fuselage and being foldable upwardly closely adjacent the main plane, and means to move said auxiliary plane downwardly to a position below and at an angle to the main plane.

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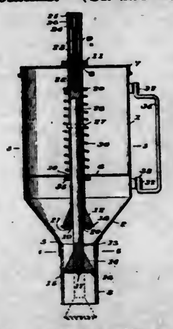
2,122,215
**ELECTRICALLY ILLUMINATED FISH LURE**
Erling Johan Olsen Saelen, Bergen, Norway
Application August 4, 1936, Serial No. 94,240
In Sweden September 23, 1935
5 Claims. (Cl. 43—44)



1. An electric illuminated fishing device comprising a water-tight case, a lamp at the lower end thereof, a casing vertically slidable in the case, a battery in the casing, said casing being connected to one pole of the battery, said casing being formed in two telescoping parts relatively revoluble, one part having a bayonet slot therein with an inclined lateral extension, a lug on the other part engaged slidably in the slot whereby relative rotation of the casing parts will vary its length, said case having an insulated contact at one end, an insulated contact on the casing connected to the pole of the battery and positioned to engage the said contact on the case by sliding movement of the casing in the case, and a spring in the case in supporting relation to the casing constructed to hold the last named two contacts in open position yieldable to inertia of the casing and contents when the device is moved abruptly upward.

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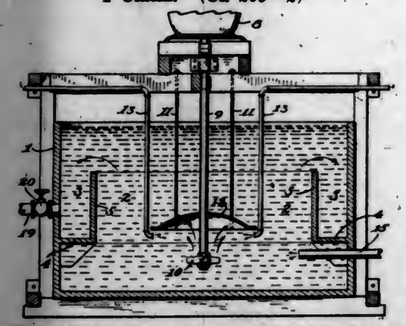
2,122,216
**BULK MATERIAL DISPENSING DEVICE**
Joseph M. Seawell, Richmond, Va.
Application June 15, 1936, Serial No. 85,415
9 Claims. (Cl. 221—62)



1. In a bulk material dispensing device, a storage casing, a bottom discharge nozzle connected thereto, a closure covering the opposite end of said casing, spaced apart dispensing valves alternately reciprocating in said discharge nozzle, an operating stem therefor extending upwardly beyond the top closure and a spring member

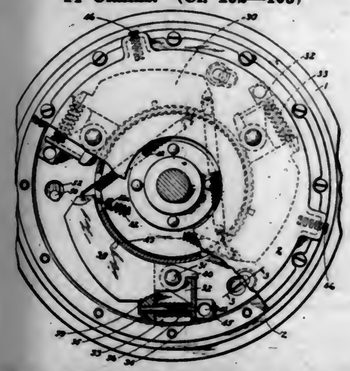
encircling and bearing on said valve stem to normally position one of said dispensing valves in the discharge nozzle.

2,122,217
**METHOD FOR CLEANING SAND**
Orta D. Sisson, Oakland, Calif., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application April 16, 1936, Serial No. 74,747
1 Claim. (Cl. 209—2)



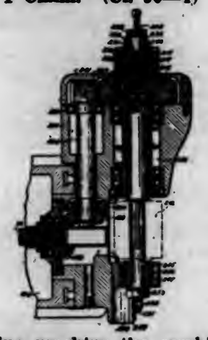
The method of cleaning sand for glass batches by oil flotation, which includes the steps of introducing the sand into a tank of water, of floating iron and other impurities to the surface by the introduction of air in the presence of oil, agitating a lower zone of the body of liquid to maintain an upward current of the liquid to carry the small sand grains upwardly through a quiescent zone surrounding a baffle, repeatedly impinging the agitated material upwardly against the baffle which will not permit the passage of sand therethrough, to reduce the sand grains to substantially uniform size, and drawing off the cleaned sand, of substantially uniform size, from a point above the point of reduction and below the surface.

2,122,218
**CLUTCH**
John Sneed, Grosse Pointe Shores, Mich.
Application April 29, 1935, Serial No. 18,811
14 Claims. (Cl. 192—103)



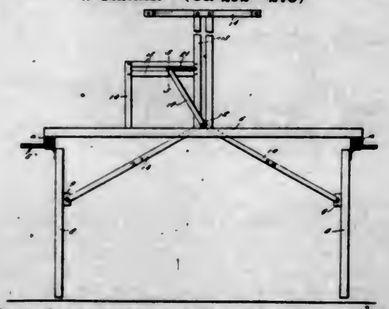
1. In a clutch, a driving member, a movable pressure plate associated therewith, a driven member frictionally engageable with said pressure plate, means interposed between said driving member and said pressure plate and reacting therebetween for translating relative circumferential movement between said member and said plate into axial movement toward or away from said driven member, and means positively responsive to speed and negatively responsive to load for moving said plate with respect to said members.

2,122,219
**HOBBING MACHINE**
Otis E. Staples, Cleveland, Ohio, assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio, a corporation of Ohio
Application January 2, 1936, Serial No. 57,130
1 Claim. (Cl. 90—4)



In a hobbing machine the combination of a tool or hob head housing, a tubular-like member closed at one end rotatably supported in said housing, a tool or hob arbor slidably splined in said tubular-like member and having a tapped aperture in the end thereof adjacent the closed end of said tubular-like member, means for rotating said tubular-like member, a cylindrical member having a tapped aperture extending therethrough threaded into said aperture in said tool or hob arbor, means for rotatably supporting said cylindrical member in the closed end of said tubular-like member, means for preventing longitudinal movement of said cylindrical member relative to said tubular-like member, a dial provided with suitable indicia secured to said cylindrical member, and an elongated bolt threaded in said tapped aperture in said cylindrical member with the lower end thereof engaging the bottom of said aperture in said tool or hob arbor.

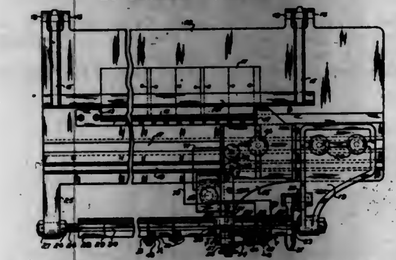
2,122,220
**DOOR RETAINER**
Grover C. Turner, Oklahoma City, Okla.
Application October 18, 1937, Serial No. 169,704
2 Claims. (Cl. 292—278)



1. A door retainer of the character described comprising a swingable door mounted in a doorway, a guide extending at right angles to the doorway, a lateral guide extending from the first mentioned guide, an arm extending from the door and having one end slidably engaged with the first mentioned guide, a link member having one end engaged with the end of the arm engaged in the first mentioned guideway, the remaining end of the link being slidably connected with the second mentioned guide, and spring means normally tending to urge the last mentioned end of the link toward the first mentioned guide.



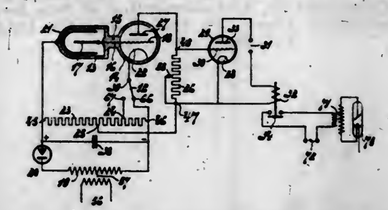
2,122,221
**SET-UP TABLE**
William L. Valiquette, Dayton, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
Application June 17, 1935, Serial No. 26,985
10 Claims. (Cl. 164—59)



10. A set-up table for spacing machines upon which a set-up may be made independently of the spacing machine and then transferred to the spacing machine, comprising a support for holding a sample of work and for removably holding a stop bar in parallelism with the work sample, a carrier mounted upon said support independently of the stop bar, said carrier being movable lengthwise of the table in a direction parallel with the stop bar, said carrier having position indicating means overlying said work support, stops adjustable lengthwise upon said stop bar, means on said carrier adapted to embrace one of said stops, whereby the stop may be moved lengthwise upon the bar by the movement of the carrier, and means for locking the stops in adjusted position.

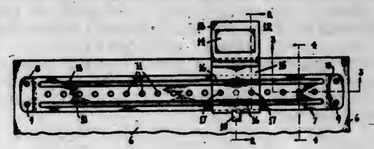
2,122,222
**DEVICE FOR AUTOMATIC INTERRUPTION OF RADIATION**
Antonius Wilhelmus Vingerhoets, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application October 12, 1934, Serial No. 748,151
In Germany November 6, 1933
7 Claims. (Cl. 250—34)

1. A device for automatically determining the duration of irradiation, comprising a vacuum discharge tube having a cathode, a plate and a grid, said grid being adapted to control the plate current of the tube, switching means controlled by the plate current of said tube to initiate and terminate said irradiation, an ionization chamber having a wall adapted to be subjected to said irradiation and comprising at least two electrodes, one of said electrodes being connected to said grid, a source of direct current, a circuit including said source, said chamber, grid and cathode, said source supplying through the cathode a negative charge to that chamber-electrode which is connected to the grid, means including a condenser connected in parallel with said ionization chamber to provide for a greater negative charge on said electrode, and means co-operating with said circuit to establish a predetermined decrease



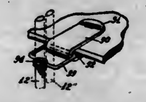
of the potential difference between the cathode and the other chamber-electrode, said negatively charged electrode discharging through the ionization chamber during a time interval which determines the duration of said irradiation.

2,122,223
**MOVABLE TAB FOR FILE WRAPPERS**
Harold M. Von Dollen, Omaha, Nebr.
Application June 16, 1937, Serial No. 148,485
4 Claims. (Cl. 129—16.8)



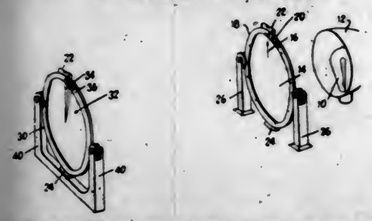
2. In movable tab construction for a support, a rectilinear track secured at its ends to the support, provided with a row of depressions on its outer side at uniform longitudinal intervals thereof and parallel grooves at the sides of said row, a carrier provided with an apertured loop, a pair of projections, and having a pair of parallel ridges engaging in the grooves of said track and adapted to have a sliding movement on the track for engagement of its projections in two selected depressions thereof.

2,122,224
**VENETIAN BLIND**
William Wade, Chicago, and Edwin North, Rockford, Ill., assignors to National Lock Company, Rockford, Ill., a corporation of Delaware
Application January 28, 1937, Serial No. 122,803
5 Claims. (Cl. 156—17)



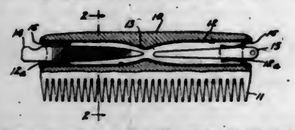
1. Means for attaching blind slats to thin supporting cords, said means including a removable attaching member having a bight portion and adapted to fit over the edge of a slat, and a looped member passing through said bight portion and having free end portions bent back upon themselves to form axially aligned and substantially closed loops firmly embracing said cord, the main loop opening of said looped member being large enough to permit free passage therethrough of another cord similar to said first-mentioned cord.

2,122,225
**SIGNALING DEVICE EMPLOYING POLARIZED LIGHT**
George W. Wheelwright, 3rd, Dover, Mass., assignor to Sheet Polariser Company, Inc., Union City, N. J., a corporation of New Jersey
Application August 25, 1937, Serial No. 160,753
9 Claims. (Cl. 250—8)



1. In signaling apparatus of the character described, in combination, means to provide a beam of light, a rotatable light-polarizing element positioned to intercept said beam, indicia positioned adjacent said polarizing element, means to indicate the relative position of the polarizing axis of said element with respect to each of said indicia, an analyzer interposed in the path of said polarized beam and comprising a plurality of light-polarizing elements mounted to intercept said beam, each of said elements having its polarizing axis at a predetermined angle with the polarizing axis of each of said other elements, and indicia associated with each of said polarizing elements and corresponding to the indicia associated with the rotatable polarizing element adjacent the light source.

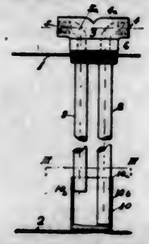
2,122,226
**COMBINATION COMB AND INSTRUMENT CASE**
Walter A. Wyman, Los Angeles, Calif.
Application May 17, 1937, Serial No. 143,029
5 Claims. (Cl. 132—79)



1. A device of the kind described having an elongated body portion consisting of an outer part of a relatively dense material and a tubular member of a flattened character and of denser, more resistant metallic sheet material embedded within said body and extending from end to end thereof, said tubular member being open at each end, there being a passage therethrough from end to end thereof, and diametrically opposed inwardly directed metallic spring members secured to said metallic sheet material adjacent to each end of said passage and positioned to yieldingly grip between them elongated implements inserted into the end portions of said passage.

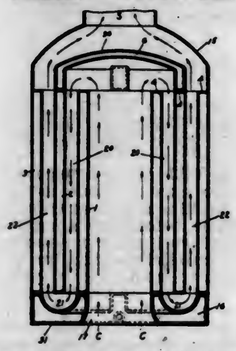
2,122,227
**TANK FITTING**
Elmer E. Goehler, Portland, Oreg., assignor to Vortex Manufacturing Company, Portland, Oreg., a corporation of Oregon
Application November 4, 1936, Serial No. 109,119
5 Claims. (Cl. 220—85)

1. A tank fitting for a fuel oil tank comprising in combination an oil suction pipe, an oil overflow pipe and an open top circulation cup positioned to submerge the free ends of said suction



and overflow pipes below the edge of the open top of the cup.

2,122,228
**WATER HEATER**
Elmer E. Goehler, Portland, Oreg., assignor to Vortex Manufacturing Company, Portland, Oreg., a corporation of Oregon
Application November 11, 1936, Serial No. 110,291
6 Claims. (Cl. 257—243)



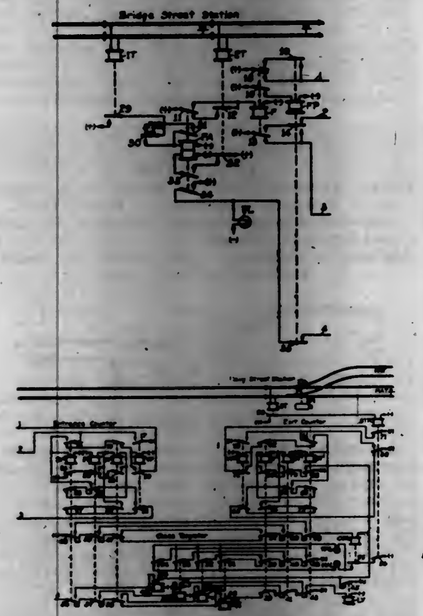
6. In a water heater, a plurality of water legs of different diameters in spaced nested relationship, the innermost water leg being arranged as a combustion chamber, top and bottom manifold members having within them water spaces and arranged to connect the spaces between successive water legs by providing passage over alternate ends of successive water legs to form a continuous passageway for products of combustion, the said water legs being open end double walled cylindrical structures with an annular water space between the walls and said manifold members comprising connectors connecting the water spaces in the manifold members with the water spaces in the water legs.

2,122,229
**TRAIN DESCRIBER SYSTEM**
Winfred T. Powell, Brighton, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application November 21, 1935, Serial No. 50,910
18 Claims. (Cl. 246—2)

1. In combination, a stretch of railway track, a station located alongside said stretch of track, an indicator at said station for indicating a train of a particular class, an entrance counting device and an exit counting device each having a plurality of positions, means for advancing said entrance counting device to consecutive positions



for counting consecutive trains entering said stretch of track, means for advancing said exit counting device to consecutive positions for counting consecutive trains leaving said stretch of track, a plurality of class register devices, means including said entrance counting device for registering on said class register devices in rotation the class of consecutive trains entering said



stretch of track, means including said exit counting device for consecutively actuating said indicator in accordance with the class of trains registered on said class register devices, a correspondence device actuated when said entrance counting device and said exit counting device are in corresponding positions, and means controlled by the actuation of said correspondence device for preventing the actuation of said indicator.

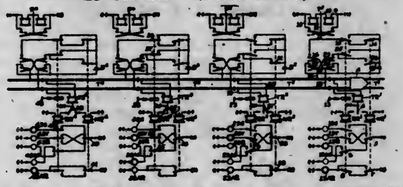
2,122,230
**COMBINED POWDER CONTAINER PACKAGE AND SPRAY-GUN**
Walter L. Rutkowski, Normandy, Mo., assignor to R. C. Can Company, St. Louis, Mo., a corporation of Missouri
Application March 15, 1937, Serial No. 130,826
5 Claims. (Cl. 43—147)

1. In a package for powdered goods to be discharged therefrom in the form of a spray, having, in combination, a chamber for powdered goods, an air distributing chamber below the powder chamber and provided with an inlet valve, an air compression chamber below the air distributing chamber and provided with valve controlled air inlet openings, means for enlarging and decreasing the area of the air compression chamber, air inlets between the air distributing chamber and the powder chamber, an air and powder mixing chamber above the powder chamber, powder and air inlets connecting the mixing chamber with the powder chamber, a compressed air conduit connecting the air distributing chamber with the powder and air mixing chamber,



and the upper end of the powder and air mixing chamber having a spray discharge opening.

2,122,231
**SIGNALING SYSTEM FOR RAILROADS**
Charles S. Bushnell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application December 30, 1932, Serial No. 649,612
15 Claims. (Cl. 246—45)

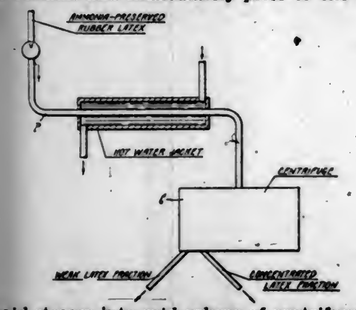


1. In a railway signaling system, a plurality of insulated track sections, a polarized relay connected across one end of each track section, two slow releasing relays controlled by each polarized relay in a manner to distinctively respond to variously coded impulses applied to the associated track section, a signal associated with each track section, control means effecting the display of indications at each of said signals in accordance with the condition of the associated slow releasing relays, an oscillating contact means connected to the other end of each track section, a source of energy associated with each track section, and means for selectively connecting each source of energy to the contacts of the associated oscillating contact means in a manner to form said variously coded impulses in accordance with the position of the slow releasing relays associated with one adjacent track section.

2,122,232
**CENTRIFUGAL CONCENTRATION OF RUBBER LATEX OR THE LIKE**
James B. Crockett, Malden, Mass., assignor to Heveatex Corporation, Melrose, Mass., a corporation of Massachusetts
Application May 8, 1934, Serial No. 724,624
2 Claims. (Cl. 18—50)

1. A method of resolving ammonia-preserved rubber latex into a concentrated fraction and a weaker fraction, which comprises continuously flowing said latex in the form of a stream through a conduit into a sphere of centrifugation, indi-

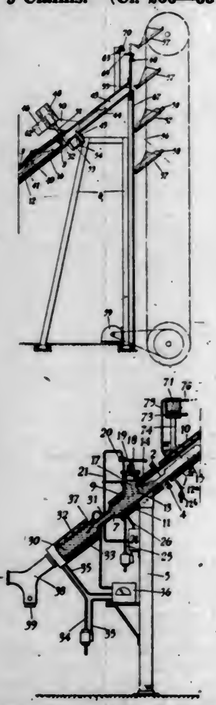
rectly heating said stream of latex to a temperature of about 90° to 140° F. as it flows through said conduit and immediately prior to the entry

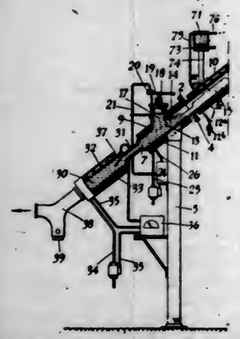



of said stream into said sphere of centrifugation, and continuously and separately withdrawing a concentrated latex fraction and a weaker latex fraction from said sphere of centrifugation.

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2,122,233
**MEANS FOR MELTING METAL**
**Percy Dunsheath, Kent, England, assignor to Henley Extrusion Machine Company Limited, London, England, a British company**
**Application May 29, 1936, Serial No. 82,539**
**In Great Britain June 11, 1935**
**9 Claims. (Cl. 266—33)**

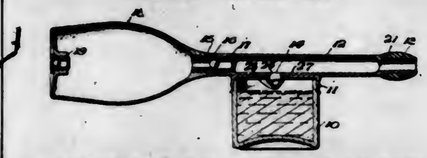




1. Apparatus for the continuous melting of metal ingots, comprising in combination, a closed tubular melting chamber inclined to permit ingots therein to move downwards by gravity and having a cross-section approximating to that of an ingot, means for melting ingot metal in said closed chamber at a rate substantially equal to and automatically controllable by the rate at which molten metal is withdrawn from the apparatus, a door for closing a charging aperture in the upper part of said chamber, means for opening said door and feeding an ingot into said chamber, and means automatically controllable by the rate at which ingots are melted in said chamber for controlling said door opening and ingot feeding means, whereby to introduce ingot metal into said chamber at a rate substantially equal to the rate at which metal is melted therein.

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2,122,234
**APPLICATOR**
**Joseph Manning McAuliffe, Kelso, Wash., assignor to Manning Laboratories, Kelso, Wash., a copartnership composed of Joseph M. McAuliffe and Frank P. C. Davis**
**Application October 1, 1936, Serial No. 103,619**
**1 Claim. (Cl. 128—260)**



A medical applicator, including a container, a discharge tube, a removable cap engaging the upper end of the container with the discharge tube permanently mounted thereon, the discharge tube and the cap having complementary metering openings therethrough normally open and unobstructed to communicate with the container at the top thereof, whereby the applicator is operative only when inverted to dispose the container above the tube, and means for attachment to said discharge tube and cap comprising a drop feeder to meter a liquid drop by drop from the container, said drop feeder in attached operative position partially obstructing said openings and spaced from the walls of the container, and the drop feeder having a cylindrical base removably fitted in the complementary openings provided in the discharge tube and the cap, a conical portion depending from the drop feeder into the container formed at the apex thereof with an opening of a size to admit liquid from the container into said tube drop by drop, and means for expelling air through said discharge tube.

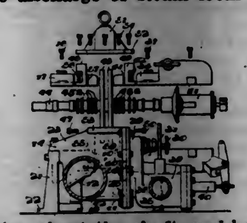
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2,122,235
**TURBINE**
**Loren D. Millard, Burlington, Iowa, assignor to Murray Iron Works Company, Burlington, Iowa, a corporation of Iowa**
**Application November 20, 1937, Serial No. 175,707**
**15 Claims. (Cl. 253—39)**

1. In a turbine, a casing having a center line and split horizontally a considerable distance above the center line to provide a lower casing section extending throughout considerably more than 180° and an upper removable casing section, an arcuate nozzle chamber carried by the lower casing section and extending about the center line of the casing for considerably more than 180°, a shaft extending through the lower casing section at the center line of the casing, a wheel carried by the shaft and arranged within the casing, said lower casing section having means



to permit of the upward movement of the shaft from within such lower casing section, means to prevent the discharge of steam from the lower



casing section about the shaft, and bearings for the shaft and adapted to permit of the upward movement of such shaft.

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2,122,236
**WELL DRILLING FLUIDS**
**Arthur S. Nichols, Oak Park, and Jesse Lyle Essex, La Grange, Ill., assignors to The Illinois Clay Products Company, Joliet, Ill., a corporation of Illinois**
**No Drawing. Application August 28, 1936, Serial No. 98,336**
**4 Claims. (Cl. 255—1)**

1. The method of making a drilling fluid for oil and gas wells which is characterized by air separating blast furnace flue dust resulting from the reduction of iron ore and recovering only the fine fraction thereof, the major portion of which is finer than 200 mesh, and then mixing the same with beidellite and water to form a suspension.

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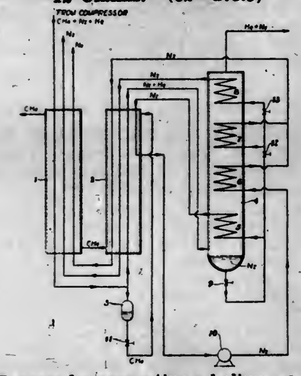
2,122,237
**ELECTRICAL MACHINE, OF THE KIND CALLED METADYNE, OPERATING AT AN ADJUSTABLE CONSTANT SPEED**
**Joseph Maximus Pestarini, Grant City, Staten Island, N. Y.**
**Application September 15, 1934, Serial No. 744,207**
**In France September 18, 1933**
**7 Claims. (Cl. 171—223)**



1. In an electrical motor of the metadyne type, having primary brushes for connection to a source of constant current and variable voltage, and secondary brushes, at substantially 90 electrical degrees from the primary brushes, means for causing the motor to rotate at a substantially constant speed, comprising stator windings, one of which is connected to the secondary brushes, inducing an E. M. F. between the secondary brushes in the same direction as the E. M. F. induced by the flux created by the armature ampere-turns, due to the constant current traversing the primary brushes, and adjusted to give rise to a building up at the secondary brushes at exactly the desired speed, thus producing in cooperation with the other stator windings a large variation of the flux, and therefore a large variation of the torque when the speed of the motor shows a slight discrepancy from the desired value, the direction of the torque tending always to bring the speed to the desired value and the speed remaining very closely at the same predetermined value even when the torque changes from full motoring torque to full braking torque.

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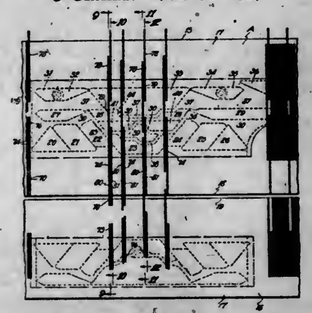
2,122,238
**PROCESS AND APPARATUS FOR THE SEPARATION OF GAS MIXTURES**
**Franz Pollitzer, Grosshesselohe, near Munich, Germany, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York**
**Application March 20, 1935, Serial No. 12,115**
**In Germany March 23, 1934**
**12 Claims. (62—175.5)**



11. Process for separating a helium concentrate from natural gas containing mainly methane, nitrogen and helium by progressive cooling and fractional condensation under a pressure above atmospheric which comprises condensing and separating a methane fraction, condensing and separating a nitrogen fraction, withdrawing a helium concentrate while at the said pressure, separately expanding all of said methane fraction and all of said nitrogen fraction, and effecting the liquefaction of said methane and said nitrogen fractions solely by separate and successive heat exchange with the expanded methane and nitrogen fractions.

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2,122,239
**KNITTING MACHINE**
**Ladislaus Robaczynski, Brooklyn, N. Y.**
**Application March 7, 1935, Serial No. 9,721**
**8 Claims. (Cl. 66—63)**



1. In a knitting machine having mutually adjacent flat needle beds and a carriage slidable over said needle beds, needles slidable in said needle beds, jacks slidable in said needle beds, butts on said jacks, a plurality of stationary cam blocks carried by said carriage and forming a plurality of spaced continuous channels upon the under face of the carriage, which channels extend

substantially throughout the length of the carriage, and one of which is adapted to receive the butts of the jacks to retain the needles retracted in a non-knitting position, a branch channel leading from that channel through which the jack butts pass, said branch channel communicating at its ends with said channel and being adapted to receive the butts of the jacks to advance the needles to a knitting position, extensible and retractable cam blocks for engagement with the butts of the jacks to advance the jacks to a position where their butts may enter the branch channel, and means for introducing the butts of the jacks into said branch channel.

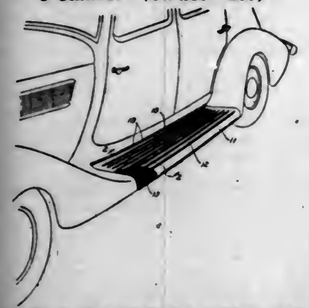
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2,122,240

**REPLACEABLE MOLDED RUBBER MAT**

Walter G. L. Smith, Los Angeles, Calif.

Application December 15, 1936, Serial No. 115,939
3 Claims. (Cl. 280—169)



1. A method of applying a rubber mat having a metal web molded therein to a running board of an automobile, which comprises the steps of: crimping an edge of said mat around the outer depending flange of said running board so that the rubber material and the web of said mat extends entirely around and under the edge of said depending flange; deforming said metal web of said mat to conform to the shape of said running board whereby said rubber material will be held in conformity with the contour of said running board by said metal web; and securing the inner edge of said mat to said running board.

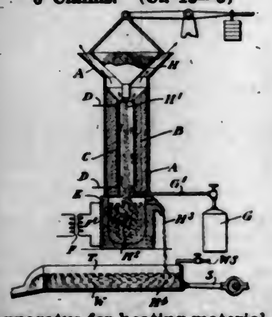
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2,122,241

**ELECTRIC FURNACE**

Craig Ritchie Arnold, Dahlonega, Ga.

Application November 20, 1936, Serial No. 111,783
6 Claims. (Cl. 13—5)



6. An apparatus for heating material to a high temperature comprising a furnace, a preheater arranged above the furnace and having a passageway through which the material is fed to the furnace and through which heated gases or vapors ascending from the furnace are discharged, said passageway being provided with a flaring outlet for the gases or vapors at its upper end, and a material feeder arranged above and adjustable with relation to the outlet end of the passageway, said feeder having a restricted feed outlet to feed a regulated quantity of material to the passageway and having a surface about said feed outlet shaped to form a valve for cooperation with the outlet of the passageway to control the discharge of the gases or vapors therefrom.

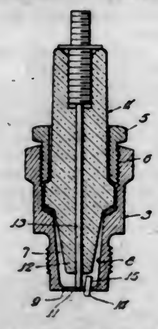
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2,122,242

**SPARK PLUG**

Earl E. Bidwell, Gary, Ind., assignor to Productive Inventions, Inc., Gary, Ind., a corporation of Indiana

Application August 26, 1937, Serial No. 161,098
28 Claims. (Cl. 123—169)



1. A spark plug comprising a shell having a chamber formed therein adjacent one end thereof and having an opening communicating with said chamber, an insulating core mounted in said shell, an electrode mounted in said core and extending beyond the end thereof and into said chamber, and a second free-ended electrode mounted on said shell and having its free end extending into said chamber toward said core and into overlapping unilateral spaced relationship with said first-mentioned electrode, adjacent portions of the respective electrodes being inclined within said chamber with respect to each other and diverging toward said core.

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2,122,243

**PRESSURE GAUGE FOR INTERNAL COMBUSTION MOTORS**

John Bonhard, West New York, N. J.

Application February 18, 1937, Serial No. 126,421
2 Claims. (Cl. 73—31)

1. A pressure gauge for internal combustion engines or the like, comprising a tubular member forming a compartment, a tubular bushing attached on the lower end of said compartment and threaded for engaging into the spark plug opening of one of the cylinders of said engine, a tubular bushing attached on the upper end of said tubular member and adapted to support a pressure gauge, a one way valve in the bottom bushing for controlling the entrance of pressure into said compartment, a one way valve in said top bushing for controlling the entrance of pressure from said compartment to said pressure gauge and so prevent the transmission of possible



fluctuations, and pressure in said compartment, and a three way cock valve for controlling said pressures to connect with said gauge or with atmosphere, each tubular bushing having a reduced portion over which the ends of the tubular member engage, and a pin engaged through these ends for holding the parts together, said pin serving as a stop for said valves.



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2,122,244

**SOCKET CONNECTION**

Gouverneur G. Brown, Ashuelot, N. H.

Application September 1, 1937, Serial No. 161,891
9 Claims. (Cl. 255—64)



1. A socket connection comprising a socket having a cylindrical inner surface and a projection on said surface and a plug adapted to enter said socket, one side of said plug being reduced to form a rearwardly tapered cam surface coacting with said projection, and said plug being cylindrical elsewhere and convex in cross section at all points.

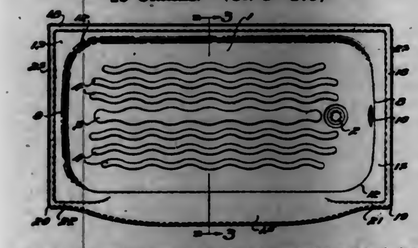
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2,122,245

**BATHTUB**

John A. Callahan, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application November 27, 1935, Serial No. 51,801
Renewed January 21, 1938
18 Claims. (Cl. 4—173)



1. A one piece pressed sheet metal bathtub having embossed serpentine ridges on its bottom.

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2,122,246

**METHOD OF MAKING ORNAMENTAL PLASTIC RODS**

John H. Clewell, Arlington, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application June 24, 1936, Serial No. 86,955
5 Claims. (Cl. 18—51)



1. Process of making a cut plastic rod having substantially straight lengthwise stripes of an intermittent pearlescent and non-pearlescent appearance, separated by plastic of different appearance, comprising forming a plurality of thin strips of plastic having lamellar light-reflecting pigment particles therein oriented in strata parallel to their broad faces, forming elongated bundles by twisting several of these strips together lengthwise, consolidating said bundles into a solid block of plastic, cutting sheets from said block and stacking said sheets alternatively with plastic sheets of different appearance, cutting the stack formed at right angles to said sheets to form a plurality of elongated rectangular sections, assembling said sections into block formation with the cut surfaces of said sections forming the top and bottom of said block and consolidating said assembly into a solid block of plastic, cutting sheets from said block and stacking said sheets alternatively with plastic sheets of different appearance, consolidating the stack formed into a solid block of plastic, and cutting plastic rods from said block in a direction parallel to the substantially straight, square sectioned prisms of plastic containing the lamellar light-reflecting pigment particles, thus formed in said block.

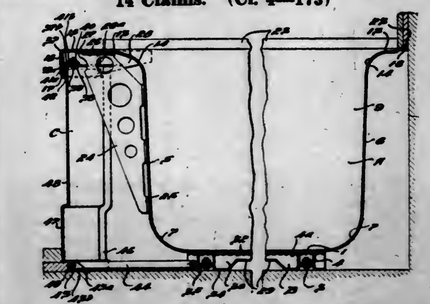
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2,122,247

**SHEET METAL BATHTUB**

Harry G. Coordes, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application January 7, 1936, Serial No. 57,960
14 Claims. (Cl. 4—173)



1. A bathtub comprising a pressed metal basin having upright side walls, one of said walls having an outwardly extending rim widened to provide a seat ledge and terminating in a depending flange, brace members secured to the underside of said ledge and to said last named wall, and a pressed metal panel disposed in front of said wall and supported between the rim and the bottom of the tub.

2,122,248
**CIRCUIT CLOSER FOR ALARMS**
John Demas, New York, N. Y.
Application January 14, 1936, Serial No. 59,024
2 Claims. (Cl. 200—52)



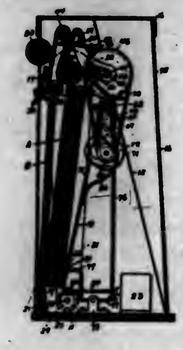
1. In a circuit closer for alarms, a body adapted to be mounted upon the dashboard of a vehicle, a screw within said body driven by a housed cable connected with the transmission of said vehicle, a circuit for sounding said alarm, a means for closing said circuit, comprising an arm pivotally mounted in a bracket, a follower resiliently mounted in one end of said arm and adapted to engage said screw, a spring mounted on the other end of said arm, a lever pivoted on said bracket above said arm and connected to said spring, a master switch mounted on said bracket below said arm, a tail mounted on said lever and having a master arm adapted to close said master switch.

2,122,249
**SEAL FOR ROTARY CONCRETE MIXING DRUMS**
John P. Faber, Dunellen, N. J., assignor to Ransome Concrete Machinery Company, Plainfield, N. J., a corporation of New Jersey
Application December 24, 1935, Serial No. 55,979
5 Claims. (Cl. 285—1)



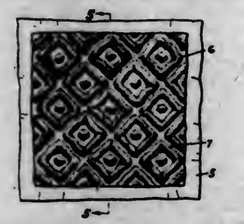
1. A seal for the head of a rotatable drum for mixing concrete having a central opening therein and a non-rotating chute extending therethrough, comprising an annular flange on the chute, a plurality of packing rings of elastic material mounted on said head and extending beyond the edges of said opening spaced apart and providing a space between them for the reception of said flange corresponding substantially to the thickness of said flange and metallic reenforcing members for said rings mounted in close contact therewith, means for constantly pressing said members against said rings, one of said members being on the outer side of each ring and also extending therewith beyond the edges of the opening, said members overlapping said flange.

2,122,250
**DISPLAY DEVICE**
Humbert Godoy, Philadelphia, Pa.
Application October 2, 1936, Serial No. 103,706
31 Claims. (Cl. 40—36)



1. A display device for successively and continuously exhibiting a group of display cards or the like, comprising a casing having a chamber for the cards, means for elevating the rear card and for curving the same toward the back of the casing until its lower end has cleared the card group, means for reversing the movement of said card, and means for guiding said card into said chamber and at the front of said card group.

2,122,251
**METHOD OF SECURING DECORATIVE EFFECTS ON LEATHER OR SIMILAR GOODS**
Henry M. Hartmann, Garfield, N. J., assignor to Hartmann, Inc., Garfield, N. J., a corporation of New Jersey
Application November 18, 1937, Serial No. 175,268
5 Claims. (Cl. 41—24)



4. The method of securing decorative effects on leather or similar goods consisting of setting off a design in relief from the plane surface of a base material by yieldable thread, thereafter tensioning the base material so that the surface of the design thereon will lie substantially in the plane surface of the base material, applying adhesive to the full surface of one side of the base material while thus tensioned, positioning a plane sheet of leather over the design of the base material for adherence thereto by the adhesive, releasing the tension on the base material so as to permit the yieldable thread to return the design in relief on both the base material and the attached leather sheet, and applying to the opposite side of the base material by an adhesive a substantially non-stretchable plane sheet of material.



2,122,252
**WIRE CONNECTER**
Neil G. Hayes, Bridgeport, Conn.
Application March 4, 1935, Serial No. 9,227
9 Claims. (Cl. 173—263)



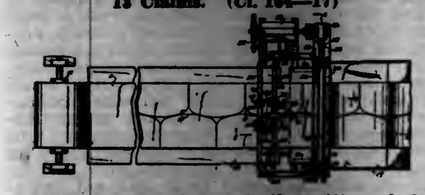
1. A connecter for a plurality of wire-ends spliced together by spiral twist, said connecter comprising an insulating cap having a deep recess therein, and means within said recess for causing such twist to be seized within the cap when said twist is merely endwisely inserted, said means including a metal member in said recess having a pair of oppositely disposed resilient jaws converging toward each other and the bottom of the recess, and at their inner ends lying closely adjacent to form a yielding constricted guide throat, said jaws being always so resiliently biased toward each other in said recess that such insertion of said twist into and through said throat must be a forcible one, the inner extremities of said jaws having sharp corners directed toward each other to bite into said twist thereby to prevent withdrawal thereof from the cap by rectilinear motion but to permit such withdrawal by mere spiral movement of the cap relative to the twist.

2,122,253
**HIGHWAY SIGNAL**
David M. Humphreys, Pittsburgh, Pa.
Application September 16, 1936, Serial No. 101,100
7 Claims. (Cl. 116—28)



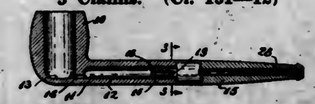
2. In combination with a plural lane highway provided with an intermediate defining line, a transversely arranged support and a warning target suspended therefrom in vertical register with said line at such height as to make contact with a vehicle only when said vehicle is passing onto or over the line.

2,122,254
**APPARATUS FOR USE IN THE CUTTING OF PLASTIC SHEETING**
Henry O. Kranich and Henry M. Dodge, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 30, 1936, Serial No. 103,295
13 Claims. (Cl. 164—17)



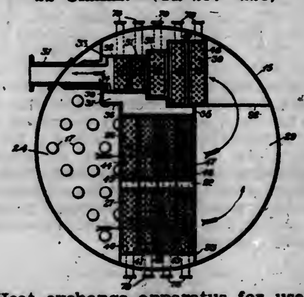
1. In apparatus for use in the cutting of plastic sheeting, a substantially flat horizontal support over which the sheeting is adapted to be continuously drawn and upon which it is adapted to be partly cut during movement thereof, and means for automatically splitting the plastic longitudinally as it is carried forwardly.

2,122,255
**COOL SMOKING PIPE**
Mariano La Barbera, New York, N. Y.
Application December 16, 1936, Serial No. 116,097
Renewed March 3, 1938
5 Claims. (Cl. 131—12)



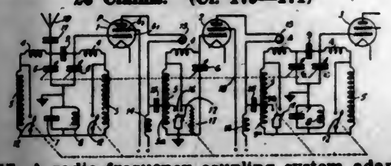
5. In a smoking pipe, a pipe stem comprising a bowl stem section with a passage for smoke and a mouthpiece stem section having an element engageable into said passage for connecting said sections together, said element having radial passages and being rotatively supported on a reduced portion of said mouthpiece stem section which has V-shaped passages connecting with a main smoke passage, longitudinal passages on the outer face of said element connecting with said radial passages aligning with portions of said V-shaped passages, and means for holding said element in various rotative positions to control the alignment of said radial passages and said V-shaped passages, comprising a resilient element acting against a shoulder portion formed on said element and a flange portion mounted on said reduced portion, said resilient element serving to force an end of said element against a shoulder on said mouthpiece stem section, said resilient element comprising a coaxial spring mounted on said reduced portion.

2,122,256
**HEAT EXCHANGE APPARATUS**
Charles H. Leach, Roselle, N. J.
Application March 2, 1936, Serial No. 66,520
22 Claims. (Cl. 257—223)



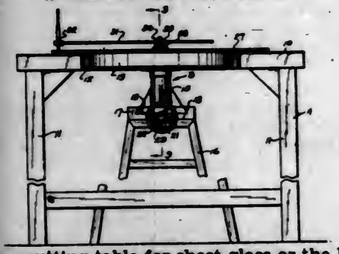
11. Heat exchange apparatus for use with a fractionating tower, comprising an insulated substantially horizontal partition secured adjacent the top of the fractionating tower, said partition extending only partly across the tower and leaving a vapor space above the plane of the partition communicating directly with the lower part of the tower, means providing a vapor passage above the partition having an inlet at one end communicating with the aforementioned vapor space and an outlet at the other end, a plurality of heat exchange tubes disposed transversely of the passage having means associated therewith cooperable to direct a cooling medium through the interior of the tubes, said passage decreasing in capacity from the inlet towards the outlet.

2,122,257
**MULTIRANGE COUPLING CIRCUIT**
William D. Loughlin, Mountain Lakes, and Christopher J. Franks, Denville, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Original application September 4, 1930, Serial No. 479,728. Divided and this application April 9, 1934, Serial No. 719,626
26 Claims. (Cl. 179—171)



17. A radio-frequency coupling system adapted to operate over a plurality of frequency bands comprising a plurality of series-connected nonmagnetically coupled coils, a circuit including means individually coupled to each of said coils, and means for shortcircuiting one of said series-connected coils.

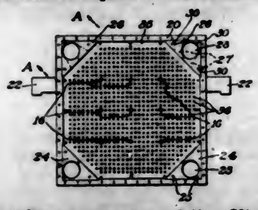
2,122,258
**CUTTING TABLE**
Leon I. Louviaux, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 6, 1935, Serial No. 39,369
2 Claims. (Cl. 49—48)



1. In a cutting table for sheet glass or the like, a stationary section provided with a flat stationary top having a substantially U-shaped opening therein, a revolving section having a flat rotating top located in said opening, the glass sheet to be cut being supported upon said rotating top and overlying said stationary top, and means for moving said rotating top backwardly and forwardly within the substantially U-shaped opening in said stationary top.

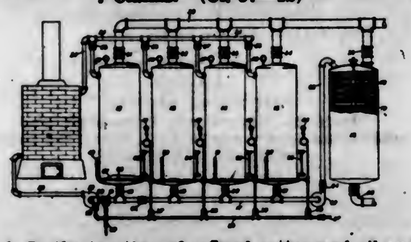
2,122,259
**FILTER PRESS**
William R. McKenna, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 23, 1937, Serial No. 138,572
6 Claims. (Cl. 210—188)

1. A filter press element for use in a corner feed and delivery type filter press made up of a series of frame elements and plate elements assembled together with interposed screens, said element comprising a rectangular bar frame, a rectangular metal sheet mounted in said bar frame and provided with an opening in each corner to permit flow of material through said filter press element, and corner plates mounted on each side of said metal sheet at the corners thereof, said corner plates being provided with openings registering with associated openings in said metal sheet, the corner plates at the corners where material is to pass out of or into the corner



feed and delivery passages of the filter press being readily demountable and having grooves in the faces thereof adjacent said metal sheet, said grooves extending from the openings in said corner plates to the inner edges thereof.

2,122,260
**DEODORIZING AND BLEACHING OILS**
Landon C. Moore, Dallas, and Arthur C. Norman, deceased, late of New Boston, by Smithia S. Norman, executrix, New Boston, Tex.
Application December 6, 1932, Serial No. 645,882
7 Claims. (Cl. 87—12)
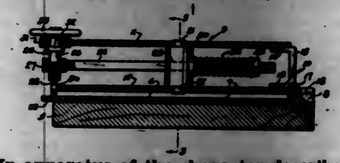


1. In the treating of refined cottonseed oil and analogues thereof such as are defined herein in order to overcome objectionable color characteristics thereof and in order to realize a decolorizing process according to which the objectionable color characteristics are overcome without the employment as an essential part of the decolorizing process of a solid bleaching agent such as fuller's earth, bone char or activated carbon, the method which comprises heat treating the oil while agitating it, while dispersing therethrough a flow of an inert gaseous medium as superheated steam, while maintaining thereon a vacuum effect, and while maintaining the oil substantially free from the influence of gases of oxidizing nature, which said heat treating involves heating the oil to temperatures within an operative critical bleaching temperature range having as its uppermost operative temperature one which is as high as possible but which provides a factor of safety for the particular oil being treated below the flashpoint temperature thereof whereby, during said treating as carried out, there is substantially avoided volatilizing, polymerizing or burning of the oil during said heat treating, which critical range as employable for refined cottonseed oil lies between approximately 450 and approximately 470 degrees Fahrenheit, maintaining the temperatures of the oil within said range for a period of time which is insufficiently long for the oil being so heated to be changed fundamentally as by volatilization, polymerization, or burning, but long enough so that by virtue of said heat treating there is effected a bleaching action in which the objectionable color characteristics



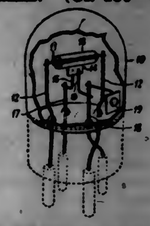
of the oil are substantially destroyed; and which method also comprises subsequently cooling the oil before exposure to air.

2,122,261
**CUTTING APPARATUS**
Joseph R. Morris, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 12, 1936, Serial No. 100,527
8 Claims. (Cl. 33—27)



1. In apparatus of the character described for cutting glass sheets, a horizontal support for the sheet to be cut, a pair of spaced superimposed template plates mounted horizontally above said support, a guide member arranged between and pivotally carried by said template plates to turn about a vertical axis and also mounted for horizontal sliding movement, a cutting unit carried by said guide member and including a scoring tool, and spring means for maintaining the cutting unit in yieldable engagement with the edges of the template plates.

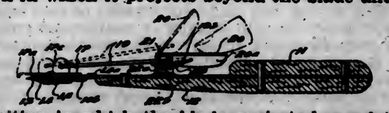
2,122,262
**VACUUM THERMOCOUPLE**
Leon S. Nergaard, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application June 24, 1936, Serial No. 86,951
4 Claims. (Cl. 136—4)



1. A device for measuring power at high frequencies and comprising an evacuated envelope containing a heater to be connected to the source of power to be measured, hollow metallic means of thin sheet metal surrounding said heater for absorbing the radiated heat from said heater and having a high conductivity whereby the temperature of the hollow metallic heat absorbing means is uniform throughout its mass, and a thermocouple having its junction connected to the hollow metallic heat absorbing means.

2,122,263
**GUARD FOR SCRAPER DEVICES**
Frank V. Pinter, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 23, 1936, Serial No. 70,206
5 Claims. (Cl. 30—169)

1. A scraping device comprising a flat stock, means to clamp a blade against one face of the stock with an edge of the blade projecting beyond the end of the stock, a guard slidably mounted on the stock so as to be movable between a position in which it projects beyond the blade and a



position in which the blade projects beyond the guard, a manually operable lever to retract the guard, and spring means associated with said lever to move the guard into its projected position.

2,122,264
**NOOSE DEVICE**
Harry O. Porter, Anderson Township, Hamilton County, Ohio
Application June 11, 1937, Serial No. 147,604
20 Claims. (Cl. 119—154)



1. A noose device comprising a body member by which the device is held, fork members extending from the body member and separated to form an entrance toward the body member, and closure elements movable toward and from each other on the respective fork members for closing and opening said entrance.

2,122,265
**COIN OPERATED VENDING DEVICE**
Joaquina Prendes, New York, N. Y.
Application November 3, 1936, Serial No. 108,934
5 Claims. (Cl. 194—35)



1. In a vending device, a casing, a support element mounted in said casing and slidable transversely of the casing, a rack slidably mounted on the underside of said support element movable longitudinal of said support element, a manually operable main shaft rotatively mounted in said casing and at right angles to said rack, a gear

mounted on said main shaft and meshing with said rack in all of the positions of said rack to move said rack when said main shaft is turned, a plurality of secondary shafts slidably mounted in said casing and disposed parallel to said main shaft, gears on said secondary shafts and meshing with said rack to turn said secondary shafts as said rack is moved longitudinally and said gears being interengaged with the rack in a manner to move said rack and support member transversely of the casing, a transmission shaft for each of said secondary shafts rotatively mounted in said casing and having one of its ends operating a means for dispensing small articles, a coin coupling mounted on the other end of each of said transmission shafts and on said secondary shafts and being formed with a slot into which a coin may be engaged to lock said coupling together, resilient elements urging said secondary shafts towards said transmission shafts to hold said coin coupling in a position in which said coin will remain therein, and means for moving said secondary shafts against the normal action of said resilient elements to separate said coupling to permit said coin to be released.

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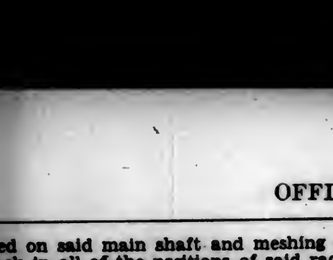
2,122,266

**BASE PLATE FOR BASEBALL DIAMONDS**

**John O. Seys, Chicago, Ill., assignor to The Seamless Rubber Company, Inc., New Haven, Conn., a corporation of Massachusetts**

**Application November 4, 1936, Serial No. 109,127**

**2 Claims. (Cl. 273—25)**




1. A base plate for baseball diamonds or the like, said plate comprising a flat body having beveled outwardly tapering edges, said body being provided with an upwardly facing recess extending between said beveled edges, and a sheet of material of a color contrasting with the body portion disposed in said recess.

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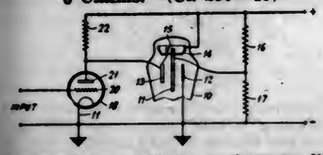
2,122,267

**TUNING INDICATOR CIRCUITS**

**Herbert M. Wagner, Newark, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware**

**Application April 30, 1937, Serial No. 139,842**

**6 Claims. (Cl. 250—40)**




1. A circuit comprising an electron discharge device having an envelope, a cathode within said envelope for emitting electrons, an anode surrounding said cathode and having its interior surface coated with a fluorescent material for receiving electrons from said cathode to produce a luminous annular shaped pattern on said anode, a control electrode positioned between said anode and said cathode for determining the area of fluorescent surface of the anode reached by the electrons from said cathode, a source of voltage the positive terminal of which is connected to said anode, a resistor connected between the anode and control electrode, a variable resistance comprising an electron discharge device connected in series with said first resistor and between the negative side of said source of voltage and said control electrode and means between the cathode and the negative side of said source of voltage supply for raising said cathode to a positive potential with respect to the negative side of said source of voltage supply.

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2,122,268

**TUNING INDICATOR TUBE**

**Herbert M. Wagner, Newark, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware**

**Application September 29, 1937, Serial No. 166,251**

**6 Claims. (Cl. 250—27.5)**




1. An electron discharge device having an envelope, a cathode within said envelope for emitting electrons, an anode surrounding said cathode and having its interior surface coated with a fluorescent material for receiving electrons from said cathode to produce a luminous annular shaped pattern on said anode, a control electrode positioned between said anode and said cathode for determining the area of fluorescent surface of the anode reached by the electrons from said cathode, a source of voltage the positive terminal of which is connected to said anode, a resistor connected between the anode and control electrode, a variable resistance comprising an electron discharge device connected in series with said first resistor and between the negative side of said source of voltage and said control electrode and means between the cathode and the negative side of said source of voltage supply for raising said cathode to a positive potential with respect to the negative side of said source of voltage supply.

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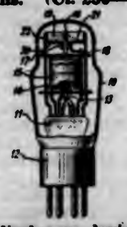
2,122,269

**TUNING INDICATOR TUBE**

**Herbert M. Wagner, Newark, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware**

**Application September 29, 1937, Serial No. 166,252**

**6 Claims. (Cl. 250—27.5)**




1. An electron discharge device having an envelope, a cathode within said envelope for emitting electrons, a cup shaped anode surrounding said cathode and having its interior surface coated with a fluorescent material for receiving electrons from said cathode to produce a luminous annular shaped pattern on said anode, a control electrode comprising a ring positioned between said anode and said cathode and surrounding the cathode for determining the area of the fluorescent surface of the anode reached by the electrons from said cathode.



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2,122,270

**PIGMENTATION OF RESINOUS CONDENSATION PRODUCTS**

**George H. Wilder, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**

**No Drawing. Application August 11, 1937, Serial No. 158,562**

**2 Claims. (Cl. 106—22)**

1. Process of producing pigmented phenol-formaldehyde condensation products which comprises condensing phenol and aqueous formaldehyde in the presence of solid calcium hydroxide and calcium carbonate together with lactic acid in an amount sufficient to react with only a part of the said calcium compounds, adding to the reaction mass a further quantity of the lactic acid in excess of that required to complete neutralization of said calcium compounds, distilling off at least a portion of the water contained in the reaction mass, and finally hardening said reaction mass whereby the calcium lactate formed therein is precipitated.

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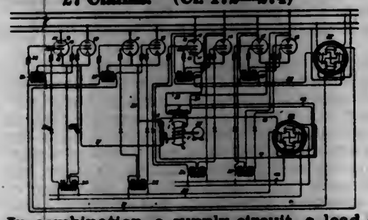
2,122,271

**ELECTRIC VALVE CONVERTING SYSTEM**

**Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York**

**Application February 29, 1936, Serial No. 66,432**

**27 Claims. (Cl. 172—274)**



1. In combination, a supply circuit, a load circuit, and electric translating apparatus interconnecting said circuits comprising electric valve means of the gaseous type having a plurality of principal electrodes and a plurality of control members, and an excitation circuit for energizing said control members individually for controlling the initiation of an electrical discharge conjointly in accordance with electrical conditions of said supply circuit and said load circuit.

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2,122,272

**BATTERY DUMPER**

**Frank Altmayer, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia**

**Application March 16, 1935, Serial No. 11,478**

**7 Claims. (Cl. 214—1.1)**



1. In apparatus for emptying storage batteries of the electrode-electrolyte type the combination of a traveling conveyor adapted to receive filled batteries at one end thereof and to advance the same and deliver emptied batteries at its other end, means for inverting the batteries being supplied to the receiving end of the conveyor comprising a substantially semi-cylindrical abutment member contiguous to the receiving end and disposed with its axis transverse to the axis of the conveyor, and a substantially flat table at the receiving end for supporting the batteries in a normal upright position and across which the batteries may be manually slid during feeding thereof to said abutment and conveyor.

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2,122,273

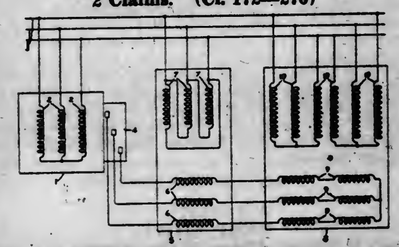
**CONTROL OF ELECTRIC MOTORS**

**Emerson C. Barwick, Pinner, England, assignor to General Electric Company, a corporation of New York**

**Application September 8, 1937, Serial No. 162,903**

**In Great Britain November 5, 1936**

**2 Claims. (Cl. 172—276)**



1. An alternating-current motor provided with stator and rotor members, the stator member being provided with a polyphase primary winding and the rotor member being provided with a winding connected to a commutator and having brushes bearing on the commutator, a double induction regulator having primary windings energized in parallel to the polyphase primary winding of the motor and having secondary windings connected in series and to said brushes, the two primaries of the double induction regulator being connected to produce fluxes which rotate in opposite directions, and means including a transformer having a secondary winding in series with said brushes for injecting a voltage into the secondary circuit of said induction regulator, whereby the phase relation of the current therein is shifted in a direction and to an extent to substantially equalize the reverse torques of the two parts of the double induction regulator for the average regulating condition thereof.

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2,122,274

**TORSIONAL VIBRATION ABSORBER**

**James Allan Jamieson Bennett, Genista, Newton Mearns, Scotland, assignor to G. & J. Weir Limited, Glasgow, Scotland, a joint-stock company of England**

**Application September 28, 1935, Serial No. 42,605. Renewed December 23, 1937. In Great Britain October 4, 1934**

**20 Claims. (Cl. 170—164)**

1. A rotating power transmitting mechanism adapted to cooperate with means imposing rotative motion and means resisting the rotative motion, one of which means is fluctuating in its torsional action, said mechanism including: a rotating shaft member or the like; a mass element having its mass centre offset from the axis of rotation and movable with relation to said

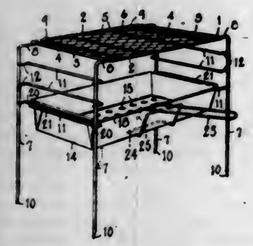
member; and an interconnection between said member and said element comprising a link pivotally coupled to said member and to said element on relatively angled axes each of which is also at an angle to the shaft axis and constrain-



ing said element, under the influence of torque variations, to oscillate bodily about a centre of inertia radially spaced from both pivot axes in a path which is at an oblique angle to a plane perpendicular to the general axis of rotation of the mechanism.

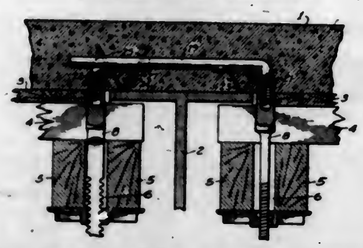
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**2,122,275**
**CAMP STOVE**
**Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.**
**Application November 16, 1936, Serial No. 111,075**
**9 Claims. (Cl. 126—30)**



1. In a camp stove, the combination of a top grid comprising a border frame having side and end members and transverse members disposed in spaced relation to the end members, pairs of legs having integrally extending arms at their upper ends terminating in upturned eyes pivotally engaging said transverse members at the inside of the side members of the frame so that when the legs are swung to erected position the end members of the border frame rest upon the arms of the legs, combined cross pieces and fire-pot supporting rails having outwardly projecting arms at their ends welded to said pairs of legs in opposed pairs, a sheet metal pan-like fire pot having a foraminated bottom and provided with a reinforcing bead wire at the top of the side walls, said bead wire being exposed at the corners of the fire pot, and supporting rods having inturned arms at their ends welded to the exposed bead wire, said supports being selectively engageable with said supporting rails.

**2,122,276.**
**FORM HANGER FOR CONCRETE SLAB STRUCTURES**
**George B. Bosco, Chicago, Ill.**
**Application August 23, 1937, Serial No. 160,464**
**9 Claims. (Cl. 25—131.5)**



1. A hanger adapted to suspend temporary forms from a beam in the construction of concrete slabs comprising a yoke adapted to remain embedded in the slab after the concrete has set, legs mounted on said yoke for supporting said yoke on the beam and for spacing said yoke from the bottom face of the slab, a pair of depending suspenders threaded to the ends of said yoke so as to be adapted for removal of the suspenders after the concrete has set, and nuts on said suspenders for supporting the forms.

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**2,122,277**
**PREPARATION OF RESINS**
**Benetech C. Bren, Verona, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware**
**No Drawing. Application September 9, 1936, Serial No. 99,963**
**11 Claims. (Cl. 260—2)**

1. In the process of preparing a polyvinyl acetal resin which comprises reacting a polyvinyl compound containing hydroxyl groups with an aldehyde in the presence of an acid as a catalyst to form the polyvinyl acetal, the step comprising neutralizing the acid used as catalyst with an amine selected from the group consisting of water-insoluble alkyl and alkyl-alicyclic secondary and tertiary amines, while the resin is in solution.

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**2,122,278**
**FLUORINATED PARAFFIN WAX**
**Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York**
**No Drawing. Application July 28, 1934, Serial No. 737,404**
**3 Claims. (Cl. 260—162)**

1. A liquid dielectric and insulating composition having the essential chemical and physical properties of paraffin wax which contains about 25 to 45 per cent fluorine by weight.

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**2,122,279**
**METHOD OF MAKING A GOLF BALL**
**Augustus W. Crane, Kalamazoo, Mich.; C. Hubbard Kleinstuck executor of the estate of said Augustus W. Crane, deceased**
**Application August 3, 1935, Serial No. 35,256**
**11 Claims. (Cl. 154—18)**

1. The method of forming golf balls consisting of introducing into a spherical flexible shell a material suitable for the growth of gas-forming micro-organisms inoculated with the organisms,



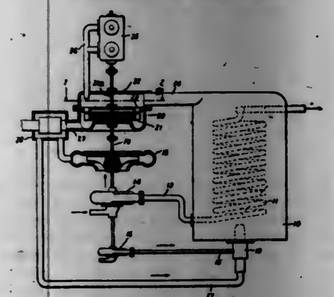
and winding the core with elastic strands under tension prior to such growth of the gas-forming



micro-organisms so that the development thereof will result in a core under high elastic tension.

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**2,122,280**
**ELASTIC FLUID GENERATOR ARRANGEMENT**
**Günther Diedrich, Stettin, Germany, assignor to General Electric Company, a corporation of New York**
**Application June 29, 1937, Serial No. 151,017**
**In Germany July 7, 1936**
**1 Claim. (Cl. 122—24)**



Elastic fluid generator arrangement including the combination of a boiler, auxiliaries for operating the boiler, a gas turbine with a nozzle box and an internal combustion engine for driving the auxiliaries, conduit means for conducting combustion gases from the boiler to the nozzle box, and conduit means forming an ejector within the nozzle box to discharge gases from the engine to the nozzle box and to effect ejection of gases from the boiler.

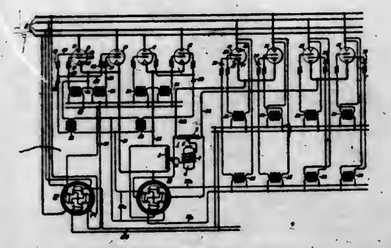
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**2,122,281**
**HIGH TENSION ELECTRICAL APPARATUS**
**Luigi Emanueli, Milan, Italy, assignor to Società Italiana Pirelli, a corporation of Italy**
**Application December 26, 1935, Serial No. 56,282**
**In Italy January 30, 1935**
**3 Claims. (Cl. 172—368)**



1. An electrode unit complete in itself for application as such to high tension electrical apparatus comprising a metal toroidal element having a well rounded surface free of projections with a concave portion in the region farthest from the axis thereof, impregnated insulating tape threaded through the center of the element and over the entire rounded surface thereof in layers and forming a complete covering therefor, and a binding band surrounding the element and holding the tape in contact with the surface of said concave portion.

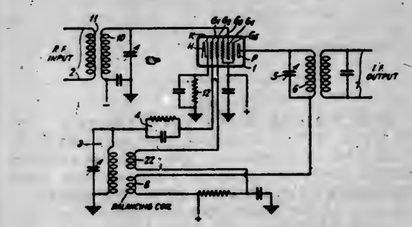
**2,122,282**
**ELECTRIC VALVE TRANSLATING SYSTEM**
**Joseph H. Foley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York**
**Application February 29, 1936, Serial No. 66,380**
**10 Claims. (Cl. 250—27)**



1. In an excitation circuit for an electric valve of the gaseous type having two control members, means for impressing on one of said control members a potential to maintain said valve non-conductive and to render ineffective the other of said control members, and means for modifying said potential in accordance with a predetermined electrical condition to permit said other of said control members to render said valve conductive during intervals established by said electrical condition.

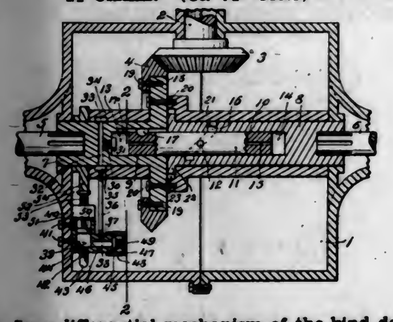
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**2,122,283**
**FREQUENCY CONVERTER**
**William A. Harris, Nutley, N. J., assignor to Radio Corporation of America, a corporation of Delaware**
**Application March 9, 1937, Serial No. 129,777**
**6 Claims. (Cl. 250—20)**



1. In combination, an electron discharge device having a cathode, first, second, third and fourth grids, and a plate, in the order named; a first signal channel applied between said first grid and cathode; a second signal channel applied between said fourth grid and cathode; means for applying suitable positive potentials to said second and third grids and to said plate, said first and fourth grids being a negative potential with respect to said cathode; and a coil in series relation with the anode of said device and magnetically coupled to said first signal channel for balancing out the effect in said first channel of the alternating current voltage applied to said fourth grid by said second channel; and another coil in series with said first coil and anode and magnetically coupled to the second signal channel for balancing out the effect in said second channel of the alternating current voltage applied to said first grid by said first channel.

2,122,284
**DIFFERENTIAL DRIVING MECHANISM**
Otto Heumader, St. Joseph, Mo.
Application July 16, 1937, Serial No. 154,045
14 Claims. (Cl. 74—389.5)



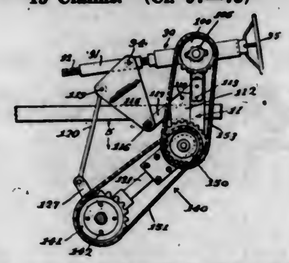
1. In a differential mechanism of the kind described, the combination with two rotary axially alined axle driving members having in their adjacent ends respectively two axial recesses, of a revoluble member reciprocative longitudinally in said recesses and forming therewith two closed chambers, by-pass fluid conductive means connecting said chambers and of less cross sectional area than that of said reciprocative member, fluid in said chambers and said by-pass means which resists reciprocation of said reciprocative member, and means connecting said reciprocative member with said axle driving members by which the rotation of one driving member will rotate the reciprocative member and therethrough the other driving member, and by which, when either axle driving member rotates faster than the other, will reciprocate said reciprocative member and will, thereby, impede the rotation of the faster rotating driving member and aid the rotation of the slower rotating driving member to an amount depending upon the resistance offered by said fluid to the reciprocation of said reciprocating member.

2,122,285
**ELECTRICAL DISCHARGE DEVICE**
Gilles Holst, Willem Elenbaas, and Aart van Wyk, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application May 15, 1937, Serial No. 142,931
In Germany May 18, 1936
8 Claims. (Cl. 176—122)



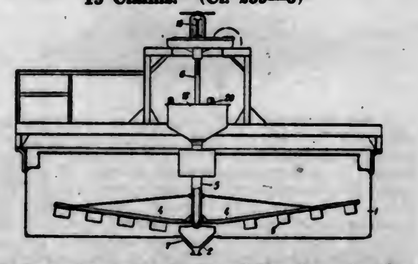
3. An electrical discharge device comprising an envelope enclosing discharge electrodes and a quantity of a readily condensible ionizing medium and means associated with the device for regulating the vapor pressure of the ionizing medium within the envelope, said means including a sealed container having a portion thereof in heat-exchanging relation with a wall of the discharge device envelope and another portion relatively remote from the envelope, a quantity of a vaporizable medium in the first portion, a non-condensible gas in the second portion, and means arranged between the first and second portions for condensing liquid vaporized within the container.

2,122,286
**POWER OPERATED DEPTH CONTROL FOR DISK PLOWS**
Chester A. Hovde, Mesa, Ariz.
Application May 19, 1937, Serial No. 143,506
15 Claims. (Cl. 97—73)



1. In a device as described, the combination of a supporting structure, a frame pivotally mounted therein, a driving shaft in alignment with one of the pivots of the frame, a rotatably driven shaft journalled in the frame and a combined clutch and drive mechanism for inter-engaging the driving shaft rotating in one direction to the driven shaft to rotate the driven shaft in opposite directions, the said pivotal mounting of the frame permitting the driven shaft to operate at various inclinations in reference to the supporting structure, the driven shaft having a screw thereon, a threaded sleeve engaging the screw and adapted to be moved in opposite directions on the screw of the driven shaft in accordance with its direction of rotation, the said sleeve having a pivotal connection to an oscillating structure, the pivotal connection of the sleeve to such oscillating structure being adapted to vary the inclination of the driven shaft having the screw.

2,122,287
**THICKENING, STIRRING, OR AGITATING APPARATUS**
Henry Kepper, Voorburg, Netherlands, assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application July 16, 1936, Serial No. 90,965. Renewed March 12, 1938. In Great Britain July 16, 1935
15 Claims. (Cl. 259—8)



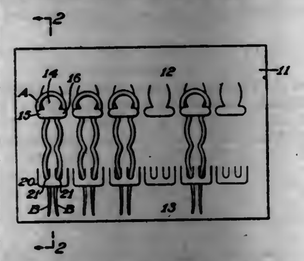
1. In or for an apparatus of the character described, a rotatable and vertically movable rake or like element, and means for imparting rotation to said element, said means comprising a pair of relatively movable coacting members one of which is of cam form having a progressively increasing slope arranged so that relative movement between said members causes the rake or like element to be raised or lowered and concurrently therewith effects or permits a progressive increase or decrease in the driving torque applied to the rake element.



2,122,288
**PROCESS OF MAKING CELLULAR REFRACTORY BODIES**
John M. Knote, South River, N. J., assignor to Quigley Company, Inc., South River, N. J., a corporation of New York
No Drawing. Application July 30, 1935, Serial No. 33,821
5 Claims. (Cl. 25—156)

1. The herein described process of making a cellular firebrick of low heat conducting capacity which comprises shredding old newspapers and blowing the fragments through a fine screen to produce a fluffy mass of cellulose fibers, mixing such air blown mass with a good quality of fire clay in about the proportions by weight of two parts clay to one of paper, tempering the mass with just sufficient water to render it plastic, molding under the lightest pressure possible to avoid reducing the original volume of the mass, drying and burning the brick so formed.

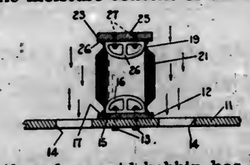
2,122,289
**DISPLAY CARD**
Ernest Legendre, Fitchburg, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 14, 1936, Serial No. 79,691
6 Claims. (Cl. 206—79)



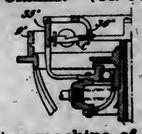
1. A display card for hairpins having a series of slits adjacent the upper edge of the card, each of said slits defining a downwardly projecting tongue the lower portion of which is wider than the width of the rounded closed end of the hairpin to be displayed while the tongue above said lower portion is narrower than the width of the rounded closed end of the hairpin, and a series of slits adjacent the lower edge of the card through which the legs of the hairpins to be displayed are adapted to be passed.

2,122,290
**ARTIFICIAL THREAD AND METHOD FOR PREPARING SAME**
Everett Vernon Lewis, Richmond, Va., and Seymour Wilson Brainard, Buffalo, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 2, 1936, Serial No. 57,074
6 Claims. (Cl. 117—21)

1. In a method of processing freshly spun artificial thread on a bobbin, the steps comprising drying the thread on said bobbin, by means of heated circulating gases applied solely from the exterior surface thereof, and stopping said drying when the moisture content of the outer layers of the thread on said bobbin has been lowered to between 20 and 60%, while at the same time the moisture content of the inner layers thereof is above 60%.

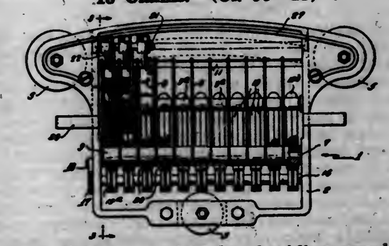


2,122,291
**BRAIDING MACHINE**
Anker Petersen, Boston, Mass., assignor to James Joseph Lannon, West Newton, Mass.
Application October 23, 1936, Serial No. 107,206
18 Claims. (Cl. 96—3)



1. In a braiding machine of the kind wherein carriers revolve in a circular orbit about the axis of a braiding die, a rotary support having concentric annular guideways for the carriers, each carrier having anti-friction rolls engaging the respective guideways, a segmental rack secured to each carrier, said support also having bearings for a plurality of radially extending carrier drive shafts, carrier drive shafts arranged to turn in said bearings, said shafts each having a carrier drive pinion constructed and arranged to mesh with the segmental racks secured to the respective carriers, a drive gear coaxial with the carrier support but independent thereof and arranged to mesh with pinions mounted on the several carrier drive shafts, and means for turning the support and drive gear in the same direction at such predetermined relative rates that the carriers are positively revolved in one direction and the carrier support turns in the opposite direction at substantially the same angular velocity.

2,122,292
**CARRIER FOR BRAIDING MACHINES**
Anker Petersen, Boston, Mass., assignor to James Joseph Lannon, West Newton, Mass.
Application September 21, 1937, Serial No. 164,891
18 Claims. (Cl. 96—13)

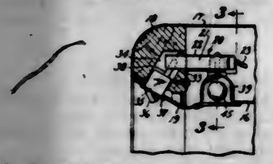


1. A bobbin carrier for braiding machines comprising a frame open at its top, and means for supporting a series of bobbins in coaxial relation in the frame, the supporting means comprising parts individually movable upwardly

out of the frame and so designed and arranged as to permit any selected bobbin to be removed without disturbing the others.

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2,122,293
**LIGHT FIXTURE FOR CABINET STRUCTURES**
Herman E. Pleasant, Grand Rapids, Mich., and Carl H. Nauert, Evansville, Ind., assignors to Servel, Inc., New York, N. Y., a corporation of Delaware
Application October 23, 1936, Serial No. 107,112
12 Claims. (Cl. 240—4)



1. A cabinet structure comprising a frame forming an opening, a shell defining a compartment having the edges thereof at said frame, a door for closing the opening, said frame having a recess at the top side of the door opening, the top wall of said shell having an opening, an electrical connecting block in the region of said recess, a removable light socket adapted to be plugged into said connecting block through the opening in said shell, and a removable switch adapted to be positioned in said recess for plugging the same into said connecting block, said switch including an operating member located at an inside edge of said frame adapted to be contacted by said door when it is in its closed position.

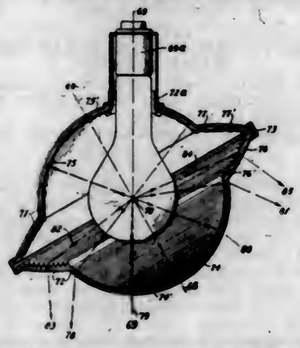
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2,122,294
**TAMPERPROOF SECONDARY CLOSURE**
John E. Regan, Elmhurst, N. Y., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware
Application August 8, 1936, Serial No. 94,898
2 Claims. (Cl. 215—42)



1. A tamper-proof secondary bottle closure of circular cross section formed of thin sheet metal from an integral blank comprising a band portion adapted to be mounted relatively permanently upon a container neck with a groove by having a lower portion spun into said groove, said band portion having substantially a vertical side wall terminating in an internal vertical turnback, a cap portion of narrower circular cross section than said band portion adapted to overlie a primary closure having a vertical side wall and extending downwardly inside said turnback, and rupturable connective means joining the lower edge of the side wall of the cap portion to the edge of said turnback, whereby when the cap portion is removed, the turnback of the band portion shields ruptured edges of said rupturable connective means.

2,122,295
**LUMINAIR**
Thomas W. Ralph, Newark, Ohio, and Henry L. Logan, New Rochelle, N. Y., assignors to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application October 2, 1935, Serial No. 43,134
3 Claims. (Cl. 240—93)



1. A luminair comprising a light source and an envelope, the envelope being in the shape of a sphere circumscribed by a protruding ring whose radial cross-section is wedge-shaped, the envelope comprising two pieces, similar in shape and held together at the plane of maximum diameter, the upper piece carrying reflecting prisms and the lower piece carrying refracting prisms, the prisms of the lower piece being adapted to increase the concentration toward the axis of the luminair, the luminair being symmetrical with respect to a diagonal axis.

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2,122,296
**BRAKE**
Robert C. Russell, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 23, 1936, Serial No. 107,162
3 Claims. (Cl. 188—78)



1. In combination, a drum, a friction device cooperating with a surface of the drum and having spaced ends, an actuator having a housing disposed between said ends and a member movable in the housing for applying a braking force to one of said ends, a lever fulcrumed on said housing and having one arm thereof connected with the other of said ends, and a link connecting the other arm of said lever with said one end of the friction device.

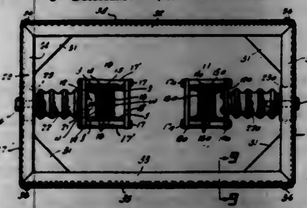


2,122,297
**WEATHER RESISTANT PIGMENT**
Harold F. Saunders, Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Continuation of application Serial No. 764,135, December 27, 1933. This application March 2, 1936, Serial No. 66,631
2 Claims. (Cl. 134—78)

1. The hereindescribed process of forming a pigment which consists in the addition of natural calcium sulphate, which has been calcined at a temperature of from 650° C. to 850° C., to an aqueous solution of zinc sulphate having a pH value of from 4.7 to 5.4 as determined by the electrometric method, precipitating zinc sulphide from the solution by the addition of a soluble sulphide thereto, separation of the solids from the suspension liquor, washing the solids with water and separating them from the wash water, and then calcining the solids in a neutral atmosphere.

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2,122,298
**BUS BAR ASSEMBLY**
William M. Scott, Jr., Philadelphia, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey
Application March 5, 1936, Serial No. 67,211
9 Claims. (Cl. 173—13)



1. A bus bar structure comprising a group of conductors electrically connected in parallel for flow of current which per unit of conductor length produces a uniform force acting on said conductors in a direction normal to their lengths, insulating supporting means spaced along said group of conductors, at least one conductor of said group having a rectangular cross section with a width large as compared to its thickness and of insufficient strength to resist lateral bending by said force, another conductor of said group having a web flat on one side and flange structure extending from the other side to impart to the structure sufficient strength for a length equal to the spacing of said supporting means to withstand said force, and means intermediate adjacent supporting means for clamping each said conductor of rectangular cross section in face-to-face relation with said flat side of said web.

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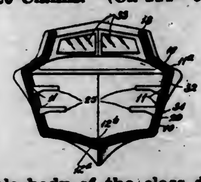
2,122,299
**DISPENSING TOP**
Harry Sloan, St. Louis County, Mo., assignor of one-half to A. Evan Hughes, Overland, Mo.
Application September 20, 1937, Serial No. 164,642
11 Claims. (Cl. 221—61)



1. A dispensing top of resilient material for containers comprising a sleeve portion mountable at the mouth of the container, an integral dished cover portion having a diametral slit and a boss in line with one end of said slit, whereby pressure on said boss opens said slit to permit escape of contents of the container if it is inverted while said slit is open.

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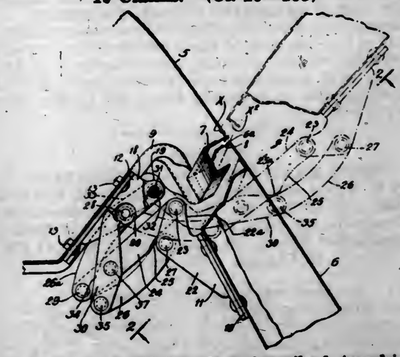
2,122,300
**BOAT AND SIMILAR VEHICLE**
Francis P. Smith, Jr., Mamaroneck, N. Y., and Henry B. Smith, Leesburg, N. J.
Application July 8, 1936, Serial No. 89,526
20 Claims. (Cl. 114—65)



1. A vehicle body of the class described comprising a frame unit consisting of a skeleton frame having longitudinally and transversely spaced frame parts, a coarse fibrous sheeting of open woven fabric covering said skeleton frame, said unit substantially defining the contour of the article to be formed, and a body of plastic fibrous material applied to said unit frame and imbedding the sheeting therein and forming a binder between the sheeting and said skeleton frame.

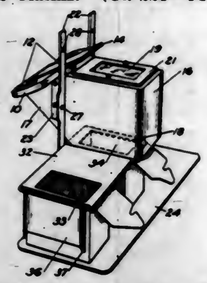
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2,122,301
**LONG THROW CONCEALED HINGE**
Joseph Soss and Francis H. Schwartz, Roselle, N. J.; said Schwartz assignor to said Soss
Application July 18, 1936, Serial No. 91,374
10 Claims. (Cl. 16—163)



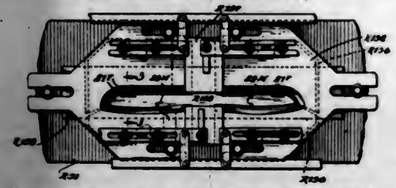
4. In a hinge of the class described, two hinge butts and a multiple link unit for hingedly coupling said butts to permit relative movement thereof, each of said butts being formed from a pair of substantially similar sheet metal parts, each part having an attaching plate portion and a bearing portion extending angularly from one surface thereof, the bearing portion of one part being arranged in spaced relation to and parallel with the bearing portion of the companion butt part, said bearing portions being apertured to receive pivot pins for pivotally mounting the link unit in connection therewith, the bearing portions of one butt being spaced apart a greater distance than the spacing of the bearing portions of the opposed butt, and the bearing portions of the last mentioned butt having projecting parts extending beyond one side edge of the attaching plate portions of said butt.

2,122,302
**CARTON FILLING DEVICE**
Fred Tangeman, Madison, Wis.
Application April 8, 1936, Serial No. 73,328
2 Claims. (Cl. 226—94)



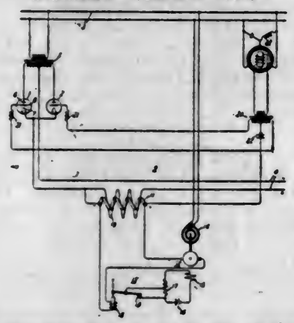
1. A carton filling mechanism adapted for use with a counter freezer comprising a hopper adapted to be secured to the spout of the freezer, a plate slidably mounted between the spout of the freezer and the hopper for selectively closing off the freezer, the hopper having an opening in the bottom thereof, depending legs on the hopper, and a carton supporting plate secured to the legs, a plate mounted for reciprocatory movement beneath the hopper and adapted to selectively close and open the bottom of the hopper, the plate having an opening therein for the purpose of permitting cream to flow from the hopper, and adjustable means on the depending legs to permit vertical adjustment of the first named plate to bring the tops of the cartons into closed position with the bottom side of the second named plate, and depending walls depending from the last named plate and arranged to surround the cartons on at least two sides whereby reciprocatory movement of the last named plate causes reciprocatory movement of the cartons, the clearances of the hopper and associated parts being such that a closed conduit is provided from the freezer into the cartons.

2,122,303
**NECK BAND FORMING APPARATUS**
Earl V. Tolen and Charles B. Harbstreit, Bedford, Ind., assignors to Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 18, 1933, Serial No. 661,478
10 Claims. (Cl. 223—38)



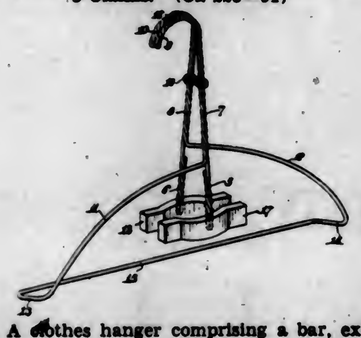
1. An apparatus for embossing guide marks on the collar edge of a fabric neck band, comprising a platen, a co-acting die head having longitudinally adjustable portions adapted for different lengths of bands, short marginal male embossing die members carried by the die head and disposed at fixed distances inwardly from the ends thereof, a plurality of longitudinally spaced female embossing die members formed in the platen for cooperating with the first-mentioned die members for embossing, in the collar edge of the band, short marginal guide marks at the points where the ends of the collar are to come, the male embossing die members cooperating with different embossing die members in the platen for different longitudinal adjustments of the die head.

2,122,304
**CONTROL SYSTEM FOR ELECTRIC VALVE APPARATUS**
Richard Tröger, Berlin-Zehlendorf-Mitte, Germany, assignor to General Electric Company, a corporation of New York
Application February 1, 1937, Serial No. 123,517
In Germany February 28, 1936
6 Claims. (Cl. 175—363)



1. In combination, an electronic discharge device, means for controlling said device, means for providing a magnetic field the intensity of which varies in accordance with a predetermined controlling influence, and a circuit for controlling the energization of said first mentioned means in accordance with said controlling influence comprising an element in the region of said magnetic field and being of a metal the resistance of which varies in accordance with the intensity of said magnetic field to effect control of said electronic discharge device.

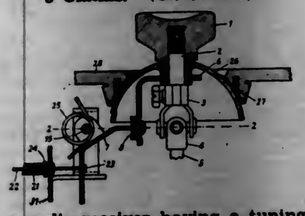
2,122,305
**CLOTHES HANGER**
Orazio Vecchio, Philadelphia, Pa.
Application November 12, 1937, Serial No. 174,132
5 Claims. (Cl. 223—91)



1. A clothes hanger comprising a bar, extensions at the ends of said bar, curved shoulder portions projecting inwardly and upwardly to meet each other, necks projecting upwardly from the meeting ends of said shoulder portions, hook portions formed from the necks, shanks projecting downwardly from the meeting ends of said shoulder portions and in endwise alignment with the necks, jaws on the free ends of said shanks, and means to draw said jaws together.

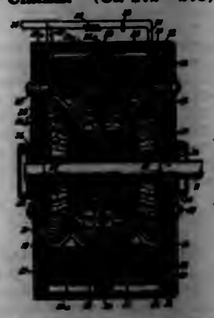


2,122,306
**RADIO CONTROL DEVICE**
Rudolf Friedrich Vols, Alexandre Horowitz, and Abraham Jan Werner De Groot, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a corporation of the Netherlands
Application August 5, 1936, Serial No. 94,390
In Germany August 19, 1935
6 Claims. (Cl. 74—10)



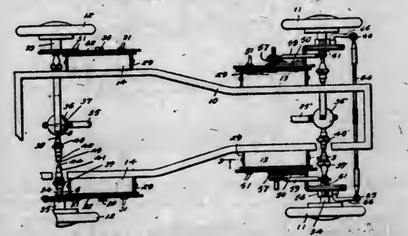
1. In a radio receiver having a tuning means and a plurality of control devices, a rotatable shaft connected to said tuning means, a pivotally mounted spherical shaped member, a control knob mounted for rotation in said member and connected to said shaft, means connecting said member and one of said control devices and arranged to actuate said control device upon oscillation of said control knob in one plane and means connecting said member and the other of said control devices and arranged to actuate said control device upon oscillation of said control knob in a different plane.

2,122,307
**TIMER MOTOR**
Alfred F. Welch, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application September 8, 1937, Serial No. 162,893
6 Claims. (Cl. 172—275)



1. A split phase synchronous inductor motor comprising two single phase inductor motor elements each comprising a stator and a rotor element, a common shaft on which the rotor elements are mounted, each rotor element comprising a disk-shaped magnetic spider member having the same number of evenly spaced teeth in its periphery with alternate teeth in each element extending axially in opposite directions so as to form two axially displaced circular rows of teeth in each rotor element, a permanent magnet extending between said rotor elements and polarized in an axial direction so as to polarize the two rows of teeth in one rotor element at one magnetic polarity and the two rows of teeth in the other rotor element at the opposite magnetic polarity, the teeth in one rotor element being displaced with respect to the teeth in the other rotor element by ¼ tooth pitch, each stator element comprising a single phase coil concentric with and surrounding the rotor, a magnetic circuit enclosing the outer and side walls of each coil and forming a pair of axially spaced pole pieces at the inner periphery of each such coil, the two pole pieces for each such coil having teeth extending axially towards each other and forming two circular rows of teeth for each stator element opposite and concentric with the two circular rows of teeth of its corresponding rotor elements, the number of teeth in the rotor and stator rows being equal and equally spaced, the teeth in all stator rows being in axial alignment, the inner side wall magnetic circuit of one stator element abutting against the inner side wall of the other stator element so as to form a magnetic path axially through the stator, the relative spacing between different rows of teeth in stator and rotor being such that alternating flux passing between the toothed pole pieces of a stator element does so through the teeth of its corresponding rotor element and unidirectional fluxes from the oppositely polarized rotor elements find a return path through the stator, and means for energizing the two stator coils from an alternating current source by currents which are displaced in phase by approximately 90°.

2,122,308
**INDEPENDENT FOUR-WHEEL SPRING MOUNTING**
Arnold E. Banks, Cheboygan, Mich.
Application April 22, 1937, Serial No. 138,460
2 Claims. (Cl. 267—20)

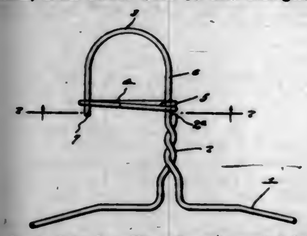


1. A device of the class described, comprising a lever, cushioning springs for the lever, a casing mounting the cushioning springs and having a stud on which the lever is pivoted, a spindle pivotally mounted on the lever, a wheel having a shaft journaled in the spindle, and arms fixed to the stud, equalizing arms pivoted to the first mentioned arms, and said equalizing arms being pivoted to the spindle on opposite sides of its axis.

2,122,309
**GARMENT HANGER**
Henry Charles Beimler, Phoebus, Va.
Application October 19, 1937, Serial No. 169,892
2 Claims. (Cl. 24—250.5)

2. In a garment hanger formed of a single strand of wire in which the ends of the wire are brought together and twisted about each other, one end of the wire being longer and continuing from the twisted portion to form a hook and the

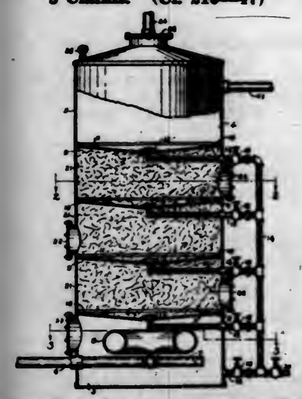
short end terminating substantially on a horizontal plane with the bill of the hook, a loop for closing said hook, said loop being elongated and formed from a single length of wire comprising a coil at one end of the elongated loop encircling the shank portion of the hook, and operating to maintain the other end of the loop extended from the shank, said other end of the elongated loop



being adapted to be slipped over and frictionally engaged with the free end portion of the hook, said loop, when in operative position, retaining the free end portion of the hook under tension in an inwardly flexed position, said short end of the wire constituting a stop engaging the coil to limit downward movement of the loop on the shank.

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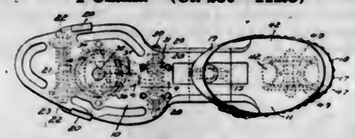
**2,122,310**
**OIL AND WATER SEPARATOR**
**Enos M. Burt, Wichita Falls, Tex.**
**Application April 14, 1937, Serial No. 136,955**
**5 Claims. (Cl. 210—47)**



1. In an oil and water separator, the combination of a casing having a plurality of baffles therein, said baffles being spaced apart vertically and each having a depressed portion and perforated and imperforate portions arranged alternately with the perforated portion of one baffle adjacent the imperforate portion of the next adjacent baffle, said baffles having the peripheries therein secured to the casing in such manner as to prevent flow around the baffles between the same and the casing and to cause flow through the perforated portions, said casing having a water chamber below said baffles, a water discharge conduit leading from the depressed portion of each baffle directly laterally to a point externally of the casing and connected with the water chamber for directing the separated water thereto, means for introducing oil emulsion into the water chamber for upflow through the baffles, means for controlling the discharge of water from said water chamber, and means for draining off the separated oil from the upper portion of the casing above the baffles.

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**2,122,311**
**ROLLER SKATE**
**William R. Campbell, Battle Creek, Mich.**
**Application April 27, 1937, Serial No. 139,295**
**1 Claim. (Cl. 280—11.28)**



A roller skate comprising a foot supporting plate, a rear roller carrying frame connected to said plate, a front roller carrying frame extending downwardly and rearwardly from said foot supporting plate, a top plate integral with said front frame, a pivot pin swivelly connecting the top plate to the foot supporting plate, a disc fixed to said foot supporting plate and having a flange extending downwardly beyond the edge of said top plate, bearing balls between the disc and the top plate, said flange being cut away at the rear side, a lever integral with said top plate and extending rearwardly through said cut away portion of the flange, housings depending from the foot plate on opposite sides of the free end of the lever, helical springs in the housings bearing against the lever and yieldably holding the front frame against swivel movement on said pivot pin, and set screws entering the housings and bearing against the springs to adjust the tension of the springs.

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**2,122,312**
**DOOR ATTACHMENT**
**John Cassion, Brooklyn, N. Y.**
**Application May 25, 1937, Serial No. 144,703**
**3 Claims. (Cl. 292—342)**



1. An attachment of the class described, comprising, a base, a door engaging plate pivoted to said base, a supporting member hinged to said plate and coacting with said base in a manner to position said plate in an inclined door engaging position relative to said base, and a laterally sliding bar-like member pivoted to said member and operatable for positioning said plate in parallelism with said base.

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**2,122,313**
**BOUNDARY BEACON LIGHT FOR AIRPORTS**
**Eugene Curran, Cardiff, Wales**
**Application January 9, 1936, Serial No. 58,407**
**In Great Britain November 21, 1935**
**9 Claims. (Cl. 240—1.2)**

1. A light beacon particularly adapted for use on aeroplane landing grounds, which comprises a pillar which is provided with at least one electrical contact on its under surface and a base having a corresponding insulated electrical contact adapted to be engaged by a contact on the pillar in the upright position of the latter, a moving switch contact member in the circuit of each insulated contact on the base, a spring connected to bias the member to open the circuit



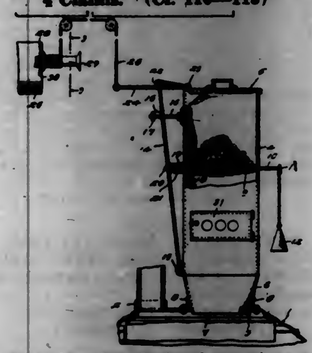
of the base contacts, a slidable plunger in the base abutting on the moving contact member and a member on the pillar arranged to engage



the plunger and force the moving contact member into position to close the circuit of the base contacts when the pillar is upright on the base.

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**2,122,314**
**FUEL SUPPLYING MEANS FOR BROODER STOVES**
**Hubert Fields, London, Ky.**
**Application April 8, 1937, Serial No. 135,784**
**4 Claims. (Cl. 110—118)**

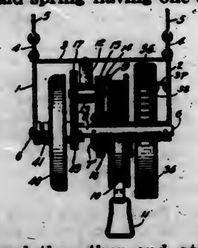


4. A fuel charging device for a stove provided with a fuel inlet opening, comprising a casing designed to be secured to the stove and having a fuel discharge opening registering with the stove fuel inlet opening, a fuel supporting partitioning door oscillatably mounted in the casing and adapted to assume a horizontal partitioning position therein, a pin member extending through a wall of the casing to engage beneath said door, a bar member oscillatably held at one end at the side of the casing and having the outer end of said pin coupled thereto, means normally urging the bar outwardly from the casing to retract the pin from beneath the door, a member pivotally attached to the casing and detachably engaging the bar to restrain the movement of the same in a direction to retract the pin, and time controlled means operatively coupled with said last member to effect the movement of the latter to bar-releasing position at a predetermined period.

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**2,122,315**
**FIRE ESCAPE**
**Léopold Festy and Théophile Laurent, Belleview, Manitoba, and Frank Joseph Laurent, Findlay, Manitoba, Canada**
**Application June 11, 1936, Serial No. 84,654**
**4 Claims. (Cl. 254—153)**

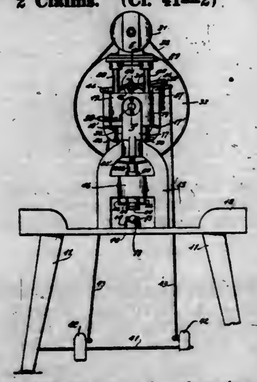
1. A device of the character described including a frame, a shaft mounted in the frame, a sleeve free to rotate on the shaft, a drum fixed on the sleeve, a weight lowering strap attached to said drum to be wound thereon, a casing fixed in the frame loose on the sleeve, a coiled spring in the casing, said spring having one end secured to



the casing and the other end attached to the sleeve, a governor mechanism mounted for rotation on the shaft, braking elements associated with the governor to be operated thereby, and a shaft and gearing forming a driving connection between the sleeve and governor mechanism.

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**2,122,316**
**PRESSING MACHINE**
**Otto Ganio, New York, N. Y.**
**Application January 29, 1937, Serial No. 123,082**
**2 Claims. (Cl. 41—2)**



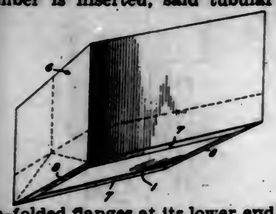
2. In a stamping press for forming artificial flowers, a fixedly positioned lower die support, a yoke carried thereby, a vertically movable upper die head in said yoke and axially aligned with the lower die support and including a sleeve closed at its bottom and having a die pressing face at its lower end, a plunger extending into said sleeve, a spring interposed between the closed bottom of said sleeve and said plunger, cam means engaging the top of said plunger to force the plunger downwardly and a cross bar connected adjacent the lower end of said sleeve and springs connecting the ends of said cross bar to said yoke member for normally holding said sleeve in raised position.

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**2,122,317**
**CASE LINER**
**Harry M. Hanson, Shelbyville, Ind., assignor to The Kennedy Car Liner & Bag Co., Shelbyville, Ind., a corporation of Indiana**
**Application June 14, 1937, Serial No. 148,148**
**2 Claims. (Cl. 229—53)**

1. Case liner comprising a tray member integrally folded to provide a bottom, sides and

seamless corners, and a tubular member forming a depthwise extension of the sides of said tray member, said tubular member fitting the bottom dimensions of said tray member into which said tray member is inserted, said tubular member



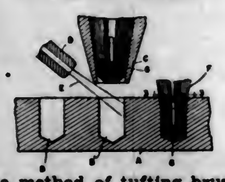
having in-folded flanges at its lower end underlying and contacting the bottom of said tray member, said flanges forming reinforcements for the peripheral lines of fold defining the bottom of said tray member.

2,122,318

**METHOD OF MAKING BRUSHES**

Conrad Jobst, Toledo, Ohio, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio, a corporation of Ohio

Application January 18, 1937, Serial No. 121,222
Renewed May 4, 1938
3 Claims. (Cl. 300—21)



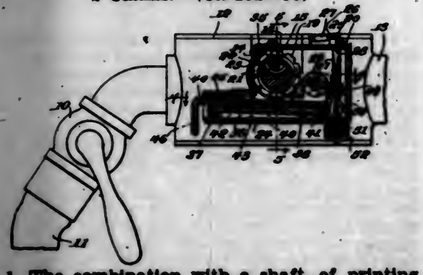
1. In the method of tufting brush backs, the step of locally heating the wall of a tuft socket to soften the same prior to the setting of the tuft therein.

2,122,319

**METER READING RECORDER**

Gustave A. Josephsen, Everett, Wash.

Application November 30, 1936, Serial No. 113,569
2 Claims. (Cl. 101—96)



1. The combination with a shaft, of printing wheels on the shaft, a carbon paper supply trained over the printing wheels, a supporting plate pivoted at one end below the printing wheels, a sales ticket carrying plate mounted for limited sliding movement on the supporting plate, a pivoted key connected with the supporting plate for rocking the plate toward the printing wheels to effect a recording of the reading of the printing wheels on the sales ticket, and means for returning the supporting plate to neutral position after each actuation.

2,122,320

**PRESSURE COOKER AND MOLD**

Robert J. Kahn, Chicago, Ill.

Application October 2, 1934, Serial No. 746,574
2 Claims. (Cl. 53—22)



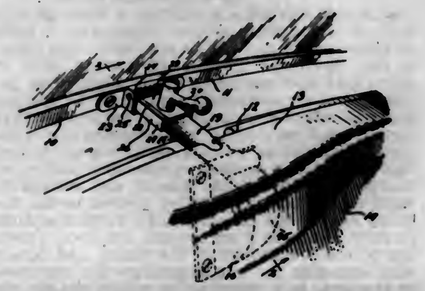
1. A pressure cooker and mold comprising an inner container consisting of two sections, each section comprising an end wall, a side wall and a bottom part having a meeting edge extending from one end of the end wall to one end of the side wall, the meeting edges of the bottom parts being normally arranged in overlapping relation, a hinge for hingedly connecting the two sections, said hinge being positioned exteriorly of the inner container at substantially the meeting point between the end wall and the side wall of the other section, latch means for connecting the sections in latched relation, said latch means being located at one corner of the container diagonally opposite the hinge and being positioned exteriorly of the container, a pressure plate operating within the inner container, and means cooperable on the pressure plate and said outer container for urging the pressure plate inwardly of the inner container, said outer container cooperating with the inner container in such a manner as to resist separation of the sections incident to heavy pressures therein.

2,122,321

**WINDSHIELD CONSTRUCTION**

Homer G. Kellogg, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York

Application March 26, 1934, Serial No. 717,506
12 Claims. (Cl. 296—84)



12. A vehicle body having, in combination, a windshield hingedly connected at one edge to the body for outward swinging movement, and means for holding the windshield in an open position including a substantially ribbon-like strip having one end permanently connected to the swinging edge of the windshield for movement thereby and having the opposite end portion slidably engaging an arcuate surface fixed relative to the windshield, said strip possessing the flexibility required to permit the same to follow the contour of the arcuate surface and having sufficient column stiffness to effectively support the windshield in its open position.
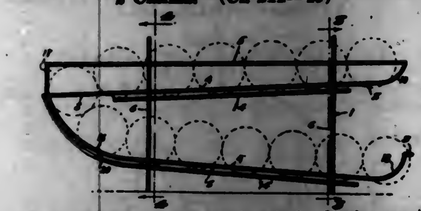


2,122,322

**ROLLER RACK**

Robert A. Kidwell and John C. Kidwell, Fairmont, W. Va.

Application November 6, 1935, Serial No. 48,562
2 Claims. (Cl. 211—49)



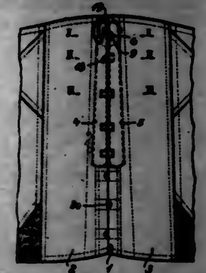
2. A storage rack constructed of wire or the like affording a trackway and guiding members for the progressive movement of articles to be stored, said trackway comprising an upper section and a lower underlying section secured in rigid spaced relation and having their intake and discharge ends respectively one above the other, and a rear downwardly and reversely curving section joining said first named sections at a point spaced from the said intake and discharge ends configured to receive articles from the upper section and reverse their direction of movement and transfer them to the lower section, the upper trackway section at its forward end being adapted to permit the introduction of articles in processional relation and the lower trackway section being provided at its forward end with an elevated guard member to block the advance of the procession at the point of removal of articles, the trackway sloping downwardly toward the point of removal.

2,122,323

**DEVICE FOR FASTENING CORSETS**

Hans Lobbenberg, Cologne, Germany

Application December 15, 1936, Serial No. 115,995
In Germany March 16, 1936
2 Claims. (Cl. 2—33)



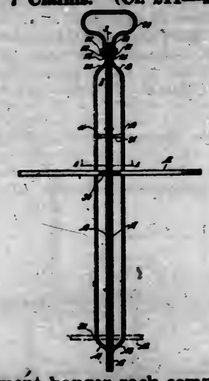
1. A device for fastening corsets comprising a fastening strip carried by each adjacent free edge of the corset opening, a flat hook and a plurality of flat hook receiving eyes carried by one strip, a flat eye and a plurality of flat hooks carried by the other strip, said hook of said first strip having its shank attached to the inside of said strip and having its hook portion extending closely around the free edge of said strip to overlie the outside thereof in close parallel relation thereto, said eye of said second strip being enlarged to permit angular displacement of said hook in the flat plane thereof, the corresponding eyes of said first strip being relatively narrower than said eye of said second strip to prevent angular displacement of said hooks in the plane of said strips, said eyes of said first strip being secured to the underside thereof, and said hooks of said second strip having their shanks secured to the outside thereof and having their hook portions extending closely around the free edge of said strip to underlie the inner surface thereof.

2,122,324

**GARMENT HANGER RACK**

Wallace C. McDermott, Washington, D. C.

Application May 10, 1937, Serial No. 141,829
7 Claims. (Cl. 211—49)



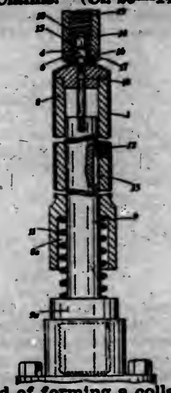
1. A garment hanger rack comprising: a body portion; elongated clamp means resiliently secured at one end to, and extending parallel with said body portion; said clamp means being divided and adapted to receive hook wires of a plurality of garment hangers therebetween and means on the body portion engaging the other end of said clamping means whereby the bars of the hangers disposed between the clamp means and the body portion are resiliently clamped against said body portion.

2,122,325

**METHOD OF FORMING A COLLAPSIBLE CONTAINER**

Frederick Watson Rumball, Lulworth, The Fairway, Barnet Vale, England, assignor, by mesne assignments, to Macleans Limited, Brentford, England, a company of England

Application April 30, 1935, Serial No. 19,110
In Great Britain July 31, 1934
8 Claims. (Cl. 29—148.2)

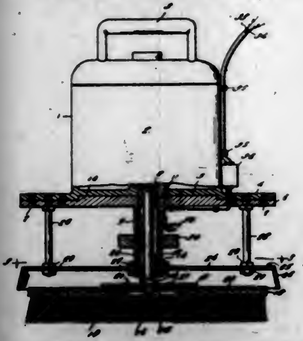


1. A method of forming a collapsible container

having separate body and nozzle portions, comprising forming said nozzle portion with an enlarged base, forming vertical and horizontal flanges at the head of the body portion, said flanges cooperating to form a recess, inserting the enlarged base of said nozzle portion in said recess, upturning the inner part of the horizontal flange so as to grip non-rotatably the bore of the nozzle and inturning the rim of the vertical flange so as to grip non-rotatably the upper surface of the enlarged base of said nozzle.

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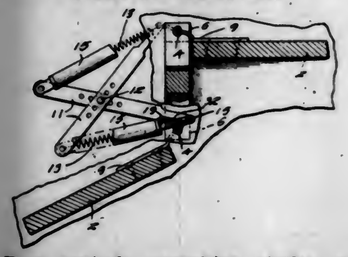
**2,122,326**
**ROTARY BRUSH**
**Fred W. Schnell, New York, N. Y.**
**Application June 7, 1937, Serial No. 146,914**
**2 Claims. (Cl. 15—28)**



2. In a rotary brush, the combination with a motor including a casing, and an armature shaft, said casing being provided with a sleeve extending therefrom axially of said shaft, an arbor in said sleeve connected at one end to the shaft and having its opposite end extending out of the free end of the sleeve, a rotary brush assembly secured on the extending end of the arbor, a bar-like hand grip member extending radially from the sleeve for guiding the brush with one hand, and a handle secured to the other end of the casing for applying pressure to the brush with the other hand.

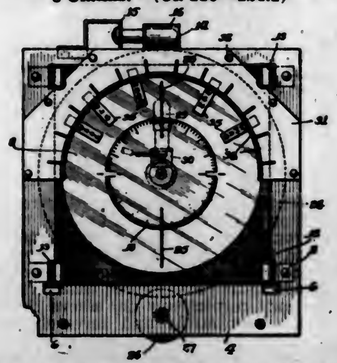
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**2,122,327**
**COMBINATION DOOR HINGE AND CONTROL**
**Henry W. Schwarz, Mart, Tex.**
**Application August 25, 1937, Serial No. 160,910**
**3 Claims. (Cl. 16—51)**



1. Door controls comprising pintles, means connecting said pintles to hinged edges of doors and to a door frame, arms secured on said pintles, pivotally connected bars crossing each other and pivotally connected to said arms, and tension springs connecting said bars.

**2,122,328**
**RADIO TUNING INDICATOR**
**William J. Schnell, Berwyn, Ill., assignor to Electrical Research Laboratories Inc., Chicago, Ill., a corporation of Illinois**
**Application May 15, 1937, Serial No. 142,864**
**8 Claims. (Cl. 116—124.1)**



1. In apparatus of the character described, the combination of dial means comprising a light-transmitting plate and a scale visible through said plate, a second plate in clamping engagement with said first plate and having an opening through which said scale may be viewed, and a plurality of marking tabs adapted to be inscribed with indicia representative of selected broadcasting stations, said second plate having a plurality of resilient sections for frictionally clamping said tabs between said first and second plates.

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**2,122,329**
**RADIO TUNING INDICATOR**
**William J. Schnell, Berwyn, Ill., assignor to Electrical Research Laboratories Inc., Chicago, Ill., a corporation of Illinois**
**Application May 15, 1937, Serial No. 142,865**
**4 Claims. (Cl. 116—124.1)**

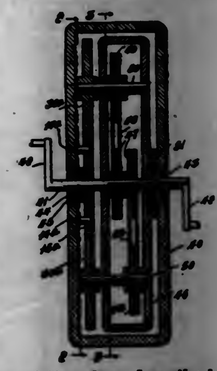


1. In tuning indicating apparatus for a radio receiver and the like, the combination of a dial plate having an arcuate scale and an opening concentric to said scale, an annular strip surrounding said opening and in clamping engagement with said plate, a plurality of marking tabs adapted to be frictionally clamped between said strip and plate and overlie said opening, each of said tabs being adapted to be inscribed with indicia representative of a selected broadcasting station, and means for directing rays of light through said opening selectively to illuminate the marking tab representing a station to which the receiver is tuned.



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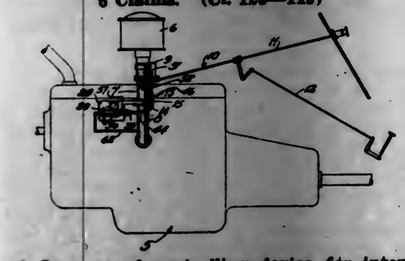
**2,122,330**
**TORQUE AND SPEED INCREASING GEARING**
**August F. P. Stenay, Baltimore, Md., assignor of thirty percent to Stephen Ratajczak, Baltimore, Md.**
**Application May 20, 1937, Serial No. 143,788**
**4 Claims. (Cl. 74—396)**



1. Gearing of the class described comprising a casing, a driving shaft journaled thereon, a frame within the casing journaled on and movable relatively to said shaft, a stationary gear on said casing concentric therewith and journaling said shaft, sprocket wheels on said shaft within the frame, auxiliary shafts journaled in the frame, gear wheels on the auxiliary shafts between the casing and frame enmeshed with the stationary gear wheel, sprocket wheels on the auxiliary shafts within the frame, and chains connecting the first and second mentioned sprocket wheels, said frame being endless about the sprocket wheels and chains and being of a depth equal to the diameter of the gear wheels, and the casing being endless about the frame and gear wheels.

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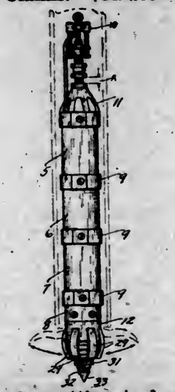
**2,122,331**
**AUTOMATIC SPEED AND VACUUM CONTROLLING DEVICE**
**Albert O. Tadewald, La Crosse, Wis.**
**Application February 15, 1937, Serial No. 125,913**
**6 Claims. (Cl. 123—119)**



1. In a speed controlling device for internal combustion engines of automotive vehicles, a carburetor having a throttle, an operable valve controlling manifold vacuum adapted to be interposed between the carburetor and intake manifold of the engine, an actuating link for and adapted to be connected to and for controlling the injecting means of a fuel oil accelerating pump, operating means for and common to said valve and said link, and a vacuum controlled structure having means for establishing communication between it and the intake manifold of the engine, said structure including a reciprocatory mechanism travelling in one direction, when the engine is started, for moving said operating means in a direction to open said valve and for shifting said link in a direction to make inactive the injecting means of the accelerating pump and travelling in an opposite direction, when the throttle of the engine is completely opened, for moving said operating means in a direction to shift said valve in a closing direction and said link in a direction to make active the injecting means of the acceleratng pump, said mechanism including means for limiting the extent of the closing movement of the valve to prevent the vacuum in the manifold dropping to a point in proximity to zero.

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**2,122,332**
**BORING APPARATUS**
**Maximilian Joseph Wurzinger, Fresno, Calif.**
**Application July 13, 1937, Serial No. 153,403**
**2 Claims. (Cl. 255—76)**



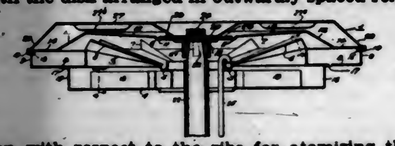
1. In an under-cutting tool of the character described, a body portion, a hollow rod extending through said body portion, a head secured to said rod at a point below said body portion, openings formed through said head and communicating with the interior of said hollow rod, a bit secured to said head, an adjustable fitting carried by said rod and positioned within said body portion, fingers pivotally secured to said fitting, and spring means interposed between said fitting and the top of the interior of said body portion.

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**2,122,333**
**LIQUID VAPORIZING DEVICE**
**Charles T. Asbury, Elkins Park, Pa.**
**Application April 2, 1936, Serial No. 72,438**
**8 Claims. (Cl. 261—83)**

1. In a device of the character described, a centrally apertured rotatable disk imperforate between its inner and outer peripheries and having ribs on its imperforate portion disposed at substantially equally spaced intervals circumferentially thereof, means for feeding a liquid onto

said disk, means for rotating the disk to cause the liquid to be discharged outwardly thereof by centrifugal force, impacting means rotatable with the disk arranged in outwardly spaced rela-



tion with respect to the ribs for atomizing the liquid discharged therefrom, and means operatively associated with said impacting means to still further atomize said liquid after the same contacts the impacting means.

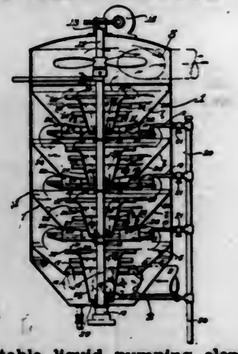
2,122,334

**GAS AND LIQUID CONTACTING APPARATUS**

Charles T. Asbury, Elkins Park, Pa.

Application September 23, 1936, Serial No. 102,216

5 Claims. (Cl. 299—63)



1. A rotatable liquid pumping element comprising a body element of inverted substantially frusto-conical form having axially spaced groups of circumferentially arranged openings therein, and imperforate baffle members rotatable with said pumping element and extending circumferentially of said body portion outwardly adjacent the uppermost edge thereof and each group of openings therein arranged with respect thereto so that liquid discharged outwardly from said uppermost edge and openings by rotation of the pumping element will be engaged by an upper edge portion of said baffles and broken up thereby and discharged outwardly therefrom in the form of a fine spray.

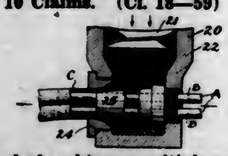
2,122,335

**METHOD OF MAKING MULTIPLE PASSAGE HOSE**

Michael Berman and William Brockner, Buffalo, N. Y., assignors to Hewitt Rubber Corporation, Buffalo, N. Y.

Application April 9, 1936, Serial No. 73,457

10 Claims. (Cl. 18—59)



6. A method of making a multiple passage hose, including extruding rubber tubing, partly curing the same, placing a plurality of lengths of said tubing into side by side relation to each other, passing said lengths of tubes while in side by side relation through an extruding die, and simultaneously extruding a covering about said lengths of tubing while passing through said die, the covers of adjacent lengths of tubing being joined at materially less than one-fourth of the peripheries of said covers, and vulcanizing said hose while under internal pressure to form an integral vulcanized connection between the covers of adjacent lengths of hose.

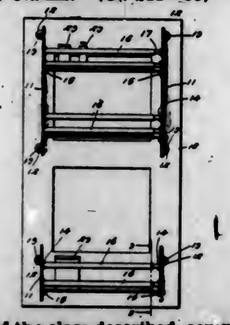
2,122,336

**SPICE RACK**

Casmer P. Berry, Buffalo, N. Y.

Application January 21, 1937, Serial No. 121,689

2 Claims. (Cl. 211—88)



1. A rack of the class described, comprising end walls of sheet metal, means for securing the walls to the rear face of a door or other support, the end walls being provided on the inner faces with struck out eyes, certain of the eyes opening vertically and other of the eyes opening horizontally, extensible bars extending between the end walls and having the ends directed rearwardly and provided in the top edges with notches engaged in the horizontally opening eyes, and an extensible shelf extending between the end walls having end tongues engaged in the vertically opening eyes.

2,122,337

**TELEVISION SYSTEM**

Aloysius J. Cawley, Pittston, Pa.

Application June 3, 1936, Serial No. 459,369

13 Claims. (Cl. 178—7.1)



1. The method of simultaneously producing a television image in an image aperture by moving a plurality of light sources consecutively in adjacent paths in said image aperture while supplying said sources with image modulated electric current in order to utilize all of the light of said source to form a visible image in said aperture and of scanning an image by moving a plurality of photoelectric cells consecutively in adjacent paths in said image aperture to produce an image-modulated current in the said photoelectric cells while traversing said aperture.



2,122,338

**SHUTTLE FOR LOOMS**

Abraham Cohen, Amsterdam, Netherlands

Application January 6, 1933, Serial No. 650,566

In Germany January 11, 1932

17 Claims. (Cl. 139—196)



13. A device for flattening the shape of a body of yarn of a round bobbin, particularly for loom shuttles and the like, consisting of a round body of yarn having a tubular interior cavity and of a holding spindle for the said body of yarn constituting a wedge-shaped element capable of being introduced into the tubular cavity of the body of yarn, and distorting the said round body of yarn transversely to flatten it.

2,122,339

**BUILDING CONSTRUCTION**

Otto Frederick Delt, Louisville, Ky., assignor to Margaret C. Delt, Louisville, Ky.

Application July 29, 1936, Serial No. 93,267

2 Claims. (Cl. 72—1)



1. In building construction, knock-down structural panels adapted to be arranged to form supporting upright and horizontal beams, comprising parallel molded walls, integral transverse spacers reinforcing the walls, certain of the spacers being in the form of blocks disposed adjacent to the ends of the walls, said walls being adapted to be set up on the building foundation so as to leave spaces between them with said blocks disposed parallel in position to coact with the ends of the walls in forming molds in which concrete may be poured to form supporting upright and horizontal beams, tie wires passed through the walls parallel with the spacers and having twisted ends adapted to form mortar locks, and a plaster coating on the outer face of one wall of each panel.

2,122,340

**SERVICE COCK KEY AND CURB BOX CLEANER**

George W. Durne, Pittsburgh, Pa.

Application March 2, 1936, Serial No. 66,729

Renewed September 9, 1937

1 Claim. (Cl. 294—100)

A tool of the character described comprising a tapered tubular body open at opposite ends, a collar fitting the smaller end of said body and having a flat faced opening, a rod slidable in said body and fitting the opening in said collar for holding said rod against rotation, a coupling sleeve on the inner end of said rod, a stem detachably threaded in the coupling sleeve, opposed outwardly divergent spring arms fixed to said stem, the arms being bent intermediate thereof to have the outer ends of said arms straight and parallel with each other, spurs bent from and extended inwardly from the spring arms at their outer free ends, [illegible] thread-ed in the smaller end of the body and said collar for locking the rod against sliding movement



therein, the spring arms being adapted to work through the larger end of the body for expansion and contraction of said arms.

2,122,341

**COMBINED STEAM AND ELECTRIC LOCOMOTIVE**

Peter H. Ferrier, Brookfield, Ill.

Application September 16, 1936, Serial No. 101,165

3 Claims. (Cl. 105—36)



1. A streamlined locomotive including steam generating means and a driving engine, connecting means to conduct the steam exhausted from said engine to a secondary steam engine, connections for the exhaust therefrom to a condenser, said condenser forming a portion of the front of the locomotive and being upstanding and rearwardly inclined, an air intake line extending through the upper portion of the condenser, an air deflector overhanging said intake line and adapted to pick up air deflected upwardly from the condenser of the locomotive.

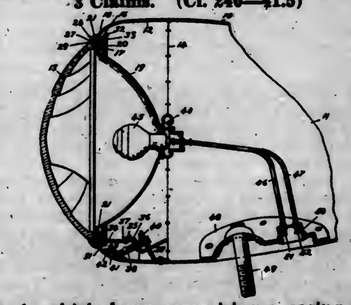
2,122,342

**VEHICLE LAMP**

Charles F. Foley and Charles W. Anklam, Detroit, Mich., assignors to C. M. Hall Lamp Company, Detroit, Mich., a corporation of Michigan

Application November 26, 1934, Serial No. 754,900

3 Claims. (Cl. 240—41.5)



1. A vehicle lamp comprising a casing having an open end and provided with a radially ex-

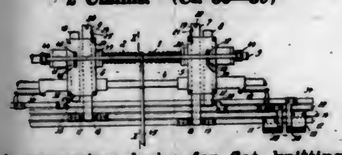
tending flange within the same, a lens, a ring secured to the periphery of said lens having an annular flange slidably engaging within said casing, said ring having a band portion extending between said lens and the outer contour of said casing, a fastening member on said ring engageable with said casing flange, a locking member carried by said ring and an adjustable latch engaging said locking member.

2,122,343
**LUBRICATED DUST GUARD**
Harry H. Greco, Detroit, Mich.
Application February 19, 1937, Serial No. 126,574
4 Claims. (Cl. 286—6)



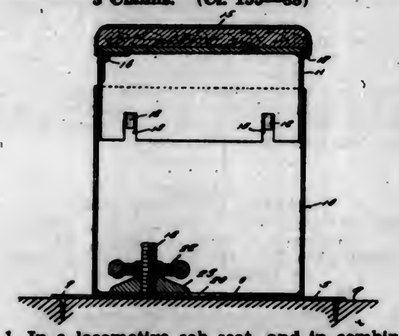
2. In combination with a journal box having a dust guard pocket at the rear thereof and a car axle journaled in said journal box, a dust guard comprising an expansible casing adapted to engage the walls of the said dust guard pocket in sealed relationship thereto and maintain itself fixedly positioned therein, a pair of sealing assemblies slidably positioned in said expansible casing shaped to contact the said car axle and seal the opening between the said car axle and the said expansible casing, each sealing assembly comprising a central wear resisting plate and a lubricant carrying pad secured to each side thereof, and spring means secured to and within said expansible casing adapted to contact said wear resisting means whereby to urge said sealing assemblies into sealed relationship against said car axle.

2,122,344
**NARROWING DEVICE FOR FLAT KNITTING MACHINES**
Woldemar Heinitz, Chemnitz, Germany, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany
Application March 29, 1937, Serial No. 133,732
In Germany April 7, 1936
2 Claims. (Cl. 66—89)



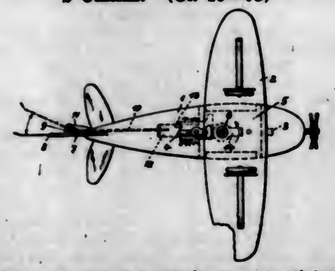
1. A narrowing device for flat knitting machines, comprising a narrowing spindle carrying a right-hand thread and a left-hand thread, a narrowing stop arranged upon each of said threads, two narrowing bars each carrying a wedge narrowing device, two other narrowing bars each carrying a diamond narrowing device, a slide in each of said narrowing stops adapted to cooperate one with one of said two narrowing bars carrying a wedge narrowing device and the other with the other of said two narrowing bars carrying a wedge narrowing device, and a second slide in each of said narrowing stops adapted to be operatively connected the one with the one and the other with the other of said two other narrowing bars carrying said diamond narrowing devices, the arrangement being such, that the two sets of slides may selectively as well as simultaneously be brought into operative position.

2,122,345
**ADJUSTABLE LOCOMOTIVE SEAT**
Hampton L. Hobby, Princeton, Ky.
Application May 28, 1937, Serial No. 145,372
3 Claims. (Cl. 155—38)



1. In a locomotive cab seat, and in combination, a stationary floor plate having a bolt rising vertically therefrom, a lower supporting section having a bottom and vertical walls rising from said bottom, said bottom being provided with a plurality of angularly related intercommunicating slots to accommodate said bolt and to permit a shifting of the seat supporting section in substantially any and all directions relative to said floor plate, said seat supporting section having pairs of lugs on the inner side of two opposed walls thereof, a second seat supporting section telescoping within the first seat supporting section and provided on each of two sides thereof with elongated slots to engage said lugs, for supporting the second section in telescoped position within the first section, said second seat section having relatively shorter slots in each of two other opposed sides thereof for accommodating said lugs for supporting the second section in a raised position relative to the first section.

2,122,346
**TOY AIRPLANE**
Ernst Horn, Nuremberg, Germany
Application January 19, 1937, Serial No. 121,357
In Germany January 31, 1936
2 Claims. (Cl. 46—78)



1. A suspended toy airplane, comprising suspension means, a fuselage, wings, a propeller, and a rudder, said rudder being adapted to be positioned to direct said airplane into a circular course from a stationary pendant position, a rudder actuating rod having one end operatively connected to said rubber and having the other end positioned within said fuselage, a power plant in said fuselage and operatively connected to said propeller to actuate the same to move said airplane in a generally forward direction, means associated with said power plant and operable thereby to engage the inner end of said rod to move the same to position said rudder to maintain said course after the forward movement of said airplane has commenced, and said means thereafter being disengaged from said rod to permit the maintenance of said rudder in said last named position.



2,122,347
**SEAT**
Werner Lasch, Waldenburg-Dittersbach, Germany
Application November 8, 1937, Serial No. 173,474
In Germany February 2, 1936
7 Claims. (Cl. 155—41)



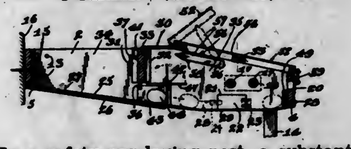
1. A tripod-like seat structure, comprising two skis obliquely arranged with their running faces to the rear and their points on top, two pairs of clips disposed near the points of the skis and embracing with their members the edges of the skis on both sides, holding means on the clip members disposed on the ski edges facing each other, a cross stay supported by said holding means and serving as distance piece for the ski points, a web of fabric to form the seat of the structure, the upper end of said fabric being held by said cross stay, loops slipped from below over the skis and held in position by the ski bindings for supporting the lower end of the fabric, a sleeve in the center of the cross stay and a ski pole inserted in said sleeve and acting as support for the structure.

2,122,348
**CARBURETOR**
Anton Georg Mahrström, Gothenburg, Sweden
Application February 22, 1937, Serial No. 127,254
In Sweden June 11, 1934
3 Claims. (Cl. 261—45)



1. An improved carburetor for liquid fuel comprising a casing provided at its one end with a bottom and at its other end with an outlet for the mixture of air and fuel, a slidable hollow sleeve within said casing adapted to regulate air openings in the walls of the casing and provided with an axial passage, means for moving said sleeve within said casing, a nozzle outside the casing for atomizing the fuel and producing a rich mixture of fuel and air, a channel for conducting said rich mixture through said bottom to an annular chamber formed between a member projecting centrally from the bottom into the casing and a socket-shaped member encircling said central member, an enlarged head at the inner end of said central member, an annular passage-way between said head and the inner edge of said socket-shaped member, another annular chamber between the casing and said socket-shaped member, an air inlet passing to the last-mentioned chamber, and an interiorly conical portion of said sleeve encircling said head, between the circumference of which and said conical portion there is formed an annular passage-way the size of which varies with the position of the sleeve, and which passage-way forms communication between said annular chambers and the interior of the sleeve.

2,122,349
**SAFETY EGG-LAYING NEST**
James T. Miles, Hamlin, Tex.
Application October 29, 1936, Serial No. 108,297
4 Claims. (Cl. 119—48)



1. In a safety egg-laying nest, a substantially rectangular horizontally disposed open top and closed bottom housing provided with a transversely extending partition dividing it into a rear open top nesting compartment and a forward open top laid egg receiving compartment, a cross piece forwardly of said partition and extending across the top of the housing above the rear of the forward compartment, a closure element hinged to said cross piece for normally closing the open top of the forward compartment, said partition being of less height than that of and having its lower end spaced from the bottom of the housing, the sides and bottom of the housing having portions coacting with the lower end of the partition to provide a passage for establishing communication between said compartments for the passing of a laid egg from the rear to the forward compartment, parallel upstanding supports in the rear of the forward compartment and spaced from said partition, and a laid egg actuated rotatable barrier element journaled in said supports transversely of said forward compartment and including a plurality of radially disposed vanes for successively retarding the travel of the laid eggs on entering the forward compartment.

2,122,350
**POWDER AND PUFF BOX**
James A. Mitchell, Indianapolis, Ind.
Application October 29, 1936, Serial No. 106,296
1 Claim. (Cl. 132—82)

A powder and puff container comprising a receptacle, a partition member in the receptacle dividing the same into a lower powder receiving

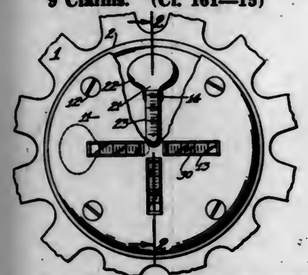
chamber and an upper puff receiving chamber, a cover for the puff chamber, said partition having an opening therein of a size slightly less than that of half of the partition, said opening being located to one side of the center plane of the partition, and a closure plate for said opening movably supported on the under face of the partition, for entirely closing the opening or closing



the same to any desired extent, whereby by adjusting the closure member any desired part of half of a puff placed in the puff chamber can receive powder from the powder chamber by first adjusting the closure, then putting the puff in place and then shaking the container to cause the powder to contact the exposed under part of the puff.

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**2,122,351**
**PARKING METER**
**Joseph E. Morris, Pasadena, Calif.**
**Application May 25, 1936, Serial No. 81,637**
**9 Claims. (Cl. 161—15)**

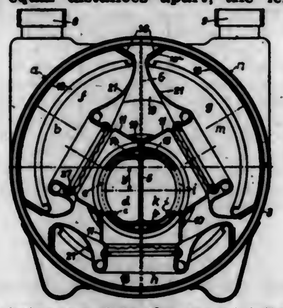


9. In a vehicle wheel, a large hub plate at the outer side of the wheel, said plate having a plurality of narrow, radially arranged windows equiangularly spaced with respect to each other, a plurality of measuring members, each comprising a hollow measuring stem located behind a window of the plate, each of the measuring members having bulbs at the outer ends of the stems and communicating with the latter.

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**2,122,352**
**ROTARY BLOWER, GAS METER, LIQUID METER, ROTARY COMPRESSOR, AND ROTARY PUMP**
**Roman Rummel, Vienna, Austria**
**Application April 1, 1936, Serial No. 72,086**
**In Austria April 3, 1935**
**11 Claims. (Cl. 103—121)**

1. In apparatus of the character described, a stationary casing having an inlet socket and an outlet socket, a drum having a pair of side walls and a peripheral wall, means to mount said drum in said casing to rotate freely therein, a piston, means to mount said piston to rotate on an axis eccentric with respect to the drum, a plurality of gas-tight chambers on said drum between said piston and said peripheral wall and each including a flexible wall, the flexible wall of one chamber being independent of the flexible walls of the other chambers, means to admit fluid to said chambers from said inlet socket and discharge the same from said chambers to said outlet socket, coupling rods journalled to the piston and drum at equal distances apart, the length of



said rods being equal to the eccentricity of the piston, and means to connect said rods to the piston and drum in virtue of which the rods are put under tension stresses only.

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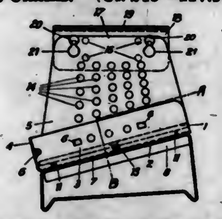
**2,122,353**
**HYDRAULIC POWER TRANSMISSION APPARATUS**
**Piero Mariano Salerni, Westminster, England, assignor to Marie Therese Elisabeth Salerni, Nice, France**
**Application February 28, 1936, Serial No. 66,291**
**In Great Britain March 2, 1935**
**5 Claims. (Cl. 60—54)**



1. A hydro-kinetic power transmitter comprising a vaned impeller member, a vaned turbine member and a vaned reaction member, the vanes of the latter having rounded, bulbous receiving ends which are shaped to the approximate form of a cone.

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**2,122,354**
**FLATIRON SUPPORT**
**Frida Schürch and Anton Ilg, Zurich, Switzerland**
**Application November 18, 1936, Serial No. 111,468**
**In Switzerland November 22, 1935**
**2 Claims. (Cl. 248—117.3)**



1. A flatiron supporter holder comprising a base plate having three of its edges bent upwardly to form a pair of longitudinally extending side walls and a transverse end wall, one of said longitudinally extending walls projecting materially above the surface of the base plate and being provided with a series of apertures, said aper-



tured longitudinal wall having means for detachably securing it to a support and said base plate having legs of uneven height at opposed ends thereof, said transverse end wall being adjacent that portion of the base plate having the shorter legs, whereby a flatiron will be positioned in abutting relationship with respect to said transverse wall when the holder is either hung by said apertured longitudinal wall or rests on its legs.

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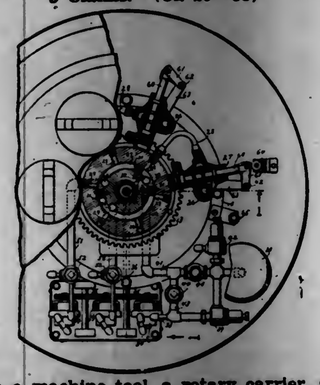
**2,122,355**
**MATTRESS AND CUSHION HANDLE**
**Michael Bechik, St. Paul, Minn.**
**Application December 22, 1937, Serial No. 181,167**
**8 Claims. (Cl. 16—125)**



1. A mattress handle comprising a body portion, edge flanges on said body portion extending inwardly from the edges of said body portion, and grommet means having a flange thereupon, said flange being clamped between said edge flanges of said body portion and said body portion.

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**2,122,356**
**FLUID CHUCK OPERATING MECHANISM**
**Edward P. Bullard, Fairfield, and Gustaf R. Appelberg, Bridgeport, Conn., assignors to The Bullard Company, a corporation of Connecticut**
**Application November 27, 1935, Serial No. 51,736**
**5 Claims. (Cl. 29—38)**



1. In a machine tool, a rotary carrier, a plurality of chucks carried thereby, independent fluid means for operating said chucks, independent valves for each of said means, a plurality of sources of fluid pressure selectively applicable to said valves and means for operating said valves independently of the source of pressure applied thereto.

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**2,122,357**
**COIN CONTROLLED SWITCH APPARATUS**
**Mitchell A. Hall, Fort Thomas, Ky.**
**Application September 18, 1935, Serial No. 41,108**
**2 Claims. (Cl. 74—151)**

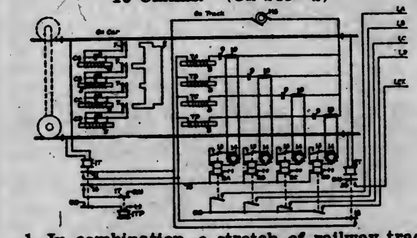
1. A ratchet wheel mounted on a shaft, a member mounted adjacent the wheel for arcuate independent movement relative thereto, resilient means urging said member in one direction, a pawl mounted on said member, means yieldably urging the pawl into engagement with the ratchet, means for arcuately moving said pawl-carrying member in a direction contrary to the pressure of the resilient means operative thereon, means effecting complete release of the pawl-carrying member to the action of said resilient



means after predetermined actuation of said moving means, and means maintaining the pawl out of engagement with the ratchet against the action of the yieldable means operative on the pawl until such complete release has been effected.

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**2,122,358**
**TRAIN DESCRIBER SYSTEM**
**Neil D. Preston, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.**
**Application July 23, 1936, Serial No. 92,177**
**16 Claims. (Cl. 246—2)**



1. In combination, a stretch of railway track; a station located alongside said stretch of track; an indicator at said station comprising a plurality of lamps adapted to illuminate different characters for identifying an approaching train, the number of said lamps being less than the number of different classes of trains identifiable thereby; an entrance counting relay bank and an exit counting relay bank each having a plurality of positions; means controlled by consecutive trains entering said stretch of track for advancing said entrance counting relay bank to consecutive positions for counting approaching trains; means controlled by consecutive trains leaving said stretch of track for advancing said exit counting relay bank to consecutive positions for counting leaving trains; a class register device; means including said entrance counting relay bank for registering on said class register device in rotation the classes of consecutive approaching trains; and means including said exit counting relay bank for consecutively energizing the lamps of said indicator any one lamp alone or a plurality of lamps in different combinations in accordance with the class of the next train to arrive at said station of the successive trains registered on said class register device.

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**2,122,359**
**BAMBOO RAKE**
**Walter P. Sage, Los Angeles, Calif.**
**Application September 4, 1936, Serial No. 99,455**
**9 Claims. (Cl. 55—114)**

9. In a bamboo rake the combination of: a bamboo handle having a joint spaced inwardly

from the end thereof and a slot in said end, said slot terminating closely in advance of said joint to form a pocket immediately adjacent said joint; a fan formed of a multiplicity of ribs, the butt ends of which overlap; means uniting the butt ends of said ribs to form a fan butt, the latter



extending into said pocket; means for securing the butt ends of said ribs disposed in said pocket to said handle; and means for rigidly connecting said handle adjacent the end of the latter to said ribs where these ribs are already spread a substantial distance.

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2,122,360
CHUCK
Harry E. Slean, Hartford, and George A. Highberg, West Hartford, Conn., assignors to The Cushman Chuck Company, Hartford, Conn., a corporation of Connecticut
Application August 24, 1936, Serial No. 97,496
9 Claims. (Cl. 279—121)

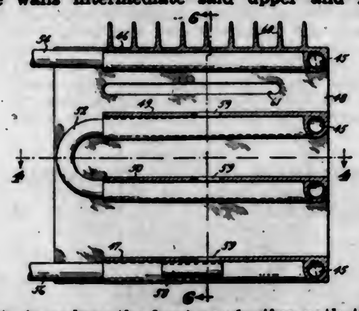


1. A chuck including a hollow body closed at one end, a rotatably mounted spindle secured to the end of said body and having a recess, a jaw operating plate located in said body and having a hub projecting into said recess, a second jaw operating plate also located in said body and having a hub projecting into a recess in the first mentioned plate, a set of jaw actuating bars extending from each of said plates, a set of jaws mounted in said body and operatively connected with each of said sets of bars, and means actuated by resistance to one of said sets of jaws for moving the actuating member of the other set of jaws into clamping action.

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122,361
REFRIGERATION
Hugo M. Ullstrand, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application February 6, 1937, Serial No. 124,354
4 Claims. (Cl. 62—95)

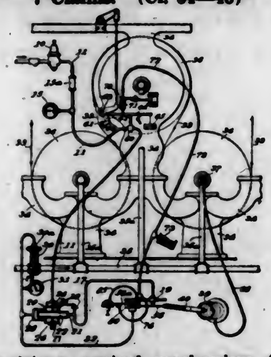
2. A cooling element for a refrigerator comprising a unitary metal casing containing refrigerant passages and having side walls and forming a freezing compartment for ice trays or the like, the upper part of said casing having more extensive heat transfer surface for cooling air than the lower part, and openings in said side walls intermediate said upper and lower



parts to reduce the heat conductive path therebetween.

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2,122,362
CONTROL MECHANISM FOR PAPER MAKING MACHINES
Avery H. Stanton, Dedham, Mass., assignor to Eldon Macleod, Frank A. Morrison, Cameron Macleod, Leslie Soule, and Sullivan A. Sargent, Jr., trustees, doing business as Mason-Neilan Regulator Company, Boston, Mass.
Application April 30, 1935, Serial No. 18,979
7 Claims. (Cl. 34—48)



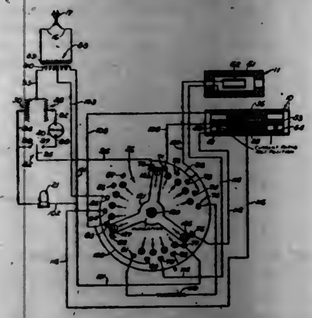
6. A moisture control mechanism for paper making machines comprising a drying cylinder, the moisture in the paper sheet passing over which is to be controlled, a source of heating medium for heating said cylinder, a control valve governing supply of heating medium to said cylinder, a pilot mechanism utilizing an independent source of pressure for operating said control valve, an element responsive to the temperature of said drying cylinder, and joint means operated by the tension of said sheet and by said temperature responsive element for controlling said pilot to reset the temperature of said cylinder in proportion to changes in sheet moisture.

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2,122,363
CONCENTRATION TESTING APPARATUS AND METHOD
Soren L. Christie, Los Angeles, Calif.
Application July 2, 1935, Serial No. 29,575
22 Claims. (Cl. 175—183)

2. In combination in a device for testing the conductivity of a fluid: tube means formed of insulating material and immersible in said fluid and providing a passage having free access to said fluid at each end; an electrode in said passage and contacting the fluid therein; a second tube means to one side of said first-named tube means and immersible in said fluid and providing a passage having free access to said fluid at each end; a second electrode in said passage of said second tube means; means for conducting

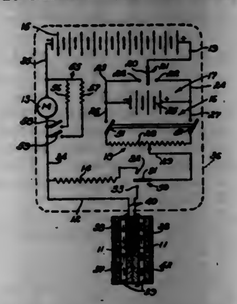




current to and from said electrodes whereby said current flows through said fluid in a path extending from one electrode to the other electrode through said passages and through a portion of the fluid outside said passages at adjacent ends of said passages; and indicating means responsive to the current flowing between said electrodes.

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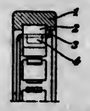
2,122,364
COMPENSATED CONCENTRATION TESTING SYSTEM AND METHOD
Soren L. Christie, Los Angeles, Calif.
Application June 5, 1936, Serial No. 83,661
10 Claims. (Cl. 175—183)



1. In a device for testing the conductivity of a fluid, the combination of: an electric circuit including a main potential source; a pair of electrodes immersible in the fluid to be tested; an indicating means in said circuit responsive to current flowing therein; an impedance in said circuit; switch means for selectively completing said circuit through said impedance or to said electrodes; and adjustment means for varying the potential applied to said impedance to calibrate said indicating means when said circuit is completed through said impedance, and for impressing a proportional potential across said electrodes when said circuit is completed thereto, said adjustment means including an auxiliary potential source, a reversing switch connecting said auxiliary potential source in additive or subtractive relation with said main potential source, and a potentiometer connected across said auxiliary potential source and providing a movable lead connected in said circuit.

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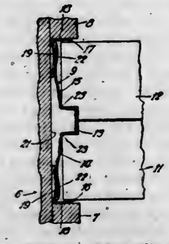
2,122,365
METHOD OF PRODUCING SHEET METAL CAGES FOR CYLINDRICAL ROLLER BEARINGS
Hans Beck, Stuttgart-Bad-Cannstatt, Germany, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden
Application January 31, 1936, Serial No. 61,654
In Germany February 19, 1935
8 Claims. (Cl. 29—148.4)



1. The method of producing roller cages for bearings, which consists in employing a cage for the rollers comprising a cylindrical body portion formed with pockets and having flanges at its respective sides, one of said cage flanges extending from the cylindrical body portion radially in one direction and the other cage flange extending radially in the opposite direction, the cylindrical body portion being formed with roller pockets, there being tongue members provided at both sides of each pocket, then bending the tongue members so that both tongues, belonging to the same pocket extend from the same perimeter of the cylindrical body portion, then assembling the cage with a bearing ring having a race way for the rollers and integral flanges formed at each side of the race way and directed toward the body of the cage, and projecting in the same general direction from the race way as do the tongues from the body of the cage, then placing rollers in the pockets and then bending the tongues to enclose the rollers.

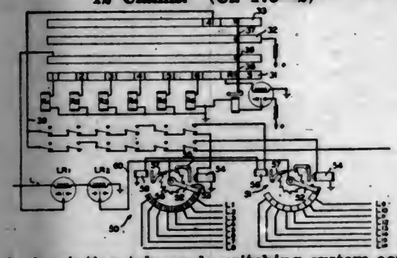
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2,122,366
WEATHER STRIP CONSTRUCTION
William J. Dennis, Chicago, Ill., assignor to W. J. Dennis & Company, Chicago, Ill., a corporation of Illinois
Application January 31, 1938, Serial No. 187,794
10 Claims. (Cl. 20—69)



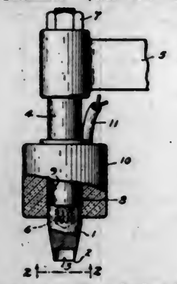
1. In a window, the combination with a casing having laterally spaced substantially parallel inner and outer stops rigidly secured thereto, of an enlongated member formed of resilient material positioned between said stops and laterally movable with respect to said casing member, and a plurality of elongated angle strips of resilient material positioned adjacent the respective stops and between the edge portions of said member and said casing and stops.

2,122,367
**TELEGRAPH SWITCHING SYSTEM**
Robert F. Dirkes, Jamaica, N. Y., and Vernon R. Kimball, Palisade Park, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application January 8, 1932, Serial No. 585,582
12 Claims. (Cl. 178—2)



1. A printing telegraph switching system comprising a line, means for transmitting code signals over said line, a plurality of associated lines, a selecting relay for each of said associated lines arranged to connect said first line thereto and means controlled by certain of said code signals for operating a predetermined relay to connect said first line with a desired one of said associated lines.

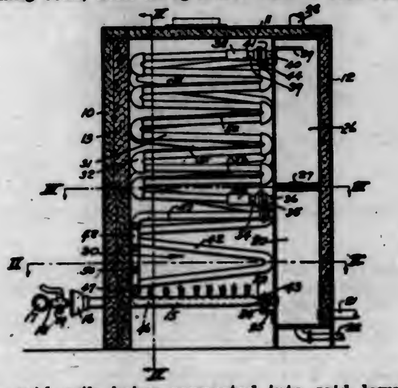
2,122,368
**PUNCH**
Max L. Engler, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 21, 1936, Serial No. 112,061
2 Claims. (Cl. 164—124)



1. A punch for forming holes in unvulcanized rubber compound in sheet form, comprising a punch body having a tip terminating in a cutting edge formed by the intersection of an external cone-shaped face and an internal cylindrical bore, a notch of a fraction of the depth of the material to be cut formed in said cutting edge, and means for heating said cutting edge, whereby the outer face of said cone-shaped tip pulls free of said sheet material and said inside bore draws a cut slug substantially out of its hole but leaves the slug connected at a single localized point of small cross sectional area.

2,122,369
**BOILER**
Charles J. Gaskell, Memphis, Tenn., assignor to The Halloran Company, Memphis, Tenn., a corporation of Tennessee
Application July 15, 1937, Serial No. 153,701
9 Claims. (Cl. 122—356)

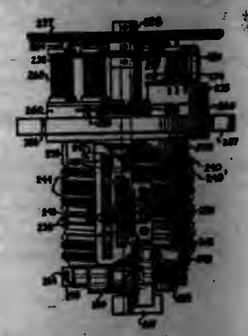
1. A water-tube boiler including a casing lined with insulation and enclosing a plurality of elongated burners, said burners being disposed adjacent the lower portion of said casing; a bank of heating tubes disposed above said burners and spaced therefrom to form a combustion chamber, a lower drum and an upper drum along the insulated back wall of said casing, the lower and upper ends of said tubes being connected respectively into said lower and upper drums, said lower drum being substantially co-extensive in height with said combustion chamber and forming a back therefor; said boiler also including coils, each along a side wall of said casing, said coils being connected into said lower drum and extending therefrom, at the level of and along said burners, substantially to the front of said casing; thence zigzagging upward to a connection with said upper drum; a grid of tubes substantially co-extensive in width and height with said combustion chamber, disposed along the front wall of said casing, a plurality of tubes extending from said lower drum along and between said burners, connecting the bottom of said grid and said drum, and tubes connecting the top of said grid into one of said drums.



2,122,370
**SLIDE WIRE RESISTANCE**
Thomas R. Harrison, Wyncote, Ernest H. Grauel, Conshohocken, and John Ernest Kessler, Philadelphia, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application June 23, 1931, Serial No. 546,290. Divided and this application April 26, 1934, Serial No. 722,466
11 Claims. (Cl. 201—56)

11. In combination, a first electrical resistance adapted to form a slide wire for a potentiometer circuit, an auxiliary electrical resistance adapted to form the calibrating resistance for the potentiometer circuit, electrical contacts for each of said resistances, first means for relatively adjusting the first resistance and its contact, second means for relatively adjusting said auxiliary resistance and its contact, and a switch device adapted for adjustment to change the potentiometer circuit from a measuring circuit to a calibrating circuit, and including locking means adapted to engage the second mentioned means and prevent operation of the latter when said switch device is adjusted to energize the measuring circuit, and to disengage said second mentioned means and permit operation of the latter when said switch device is adjusted to energize the calibrating circuit, each of said means comprising a shaft, one of said shafts being tubular and coaxial with and surrounding the other, and said locking means being movable angularly about an axis laterally displaced from the common axis of said shafts into and out of engagement with said second mentioned means.





2,122,371
**BRAKE CYLINDER ASSEMBLY AND METHOD OF MAKING SAME**
William K. Hawks, Euclid, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application February 15, 1935, Serial No. 6,724
12 Claims. (Cl. 29—152.1)



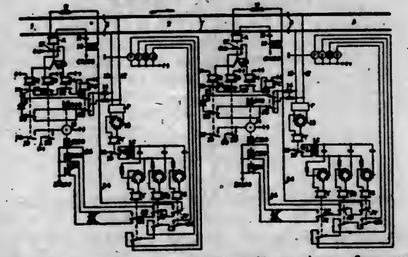
8. The method of making a fluid connection with a brake cylinder formed of drawn metal, including the steps of cutting a slot through the side wall of the cylinder in such a manner as to provide an opening defined by plane surfaces, forming a fluid conducting member having plane surfaces adapted to coincide with the plane surfaces of said opening, inserting said fluid conducting member into said opening to position a portion of same within the interior of said cylinder with the adjacent surfaces of said conducting member and the walls of said opening in contact, and forming a fluid tight alloy bond between said adjacent surfaces by a copper brazing operation.

2,122,372
**BOAT FENDER**
James Edward Hooper, Ruxton, Md., and Henry T. Atao, Cedar Knolls, N. J.; said Hooper assignor to Wm. E. Hooper & Sons Company, a corporation of Maryland
Application June 8, 1937, Serial No. 147,100
4 Claims. (Cl. 114—219)

1. A boat fender comprising an outside casing consisting of a single-piece seamless fabric tube of intermeshing strands, the tube being closed at the ends and a filler of resilient sponge rubber within the tube, which tube fits tightly about the filler, being maintained under tension thereby, the filler having a surface skin of substantially the same composition as the sponge rubber, covering approximately its entire surface and vulcanized to the tube substantially throughout the area of its walls, an end of the tube being flattened and having rope fastening means secured in and to both walls of the tube at said flattened portion.



2,122,373
**SIGNALING SYSTEM FOR RAILROADS**
Myer Hormats, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application April 10, 1935, Serial No. 15,646
16 Claims. (Cl. 246—34)

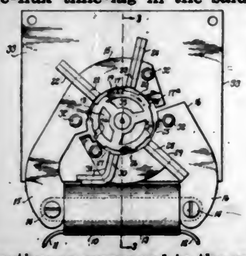


1. In a coded track circuit system for railroads, the combination with coding equipment normally inactive while no train is present, of means responsive to the presence of a train and controlled over the track rails without line wires for causing operation of said coding equipment for a predetermined plurality of blocks in advance of such train.

2,122,374
**SELF-STARTING SYNCHRONOUS ELECTRIC MOTOR**
Walter Kohlhagen, Waterbury, Conn., assignor to The Waterbury Clock Company, Waterbury, Conn., a corporation of Connecticut
Application November 6, 1936, Serial No. 109,453
5 Claims. (Cl. 172—278)

1. A self-starting synchronous electric motor comprising: a rotor having a plurality of salient poles; a stator-structure including an energizing-coil and one or more pole-pieces having a primary polar-projection, a secondary polar-projection and a tertiary polar-projection all extending into positions adjacent the path of the salient poles of the said rotor, the said primary polar-projection substantially corresponding in length in the direction of rotor-rotation to the similar length of the salient poles of the said rotor and the combined lengths of the said secondary and tertiary polar-projections in the direction of rotor-rotation being in excess of the length in a similar di-

rection of the said primary polar-projection; and shading-coil means constructed and arranged on the said pole-piece in such manner as to cause a magnetic-flux time-lag in the said secondary



polar-projection as compared to the said primary polar-projection and also causing a magnetic-flux time-lag in the said tertiary polar-projection as compared to the said secondary and primary polar-projections.

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2,122,375

**LAMP**

Rudolph Kovac, Chicago, Ill., assignor to American Automatic Devices Co., Chicago, Ill., a corporation of Illinois

Application November 15, 1935, Serial No. 49,868
1 Claim. (Cl. 240—8.3)



In a lamp of the type described, the combination of a bracket, a flat strip attached at one end to said bracket and adapted to bend readily flatwise but comparatively much more stiff edgewise, a casing connected to the other end of said strip, and a flexible conductor also in the form of a flat strip and bent flatwise into the form of a loop and connecting said bracket with said casing for establishing an electrical ground connection from the casing to the bracket.

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2,122,376

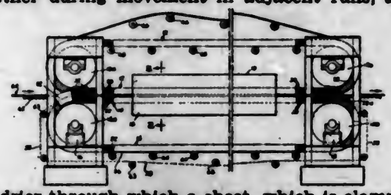
**PROCESS AND APPARATUS FOR CONTINUOUS DRYING OF FIBERBOARD UNDER PRESSURE**

William H. Mason, Laurel, Miss., assignor to Masonite Corporation, Laurel, Miss., a corporation of Delaware.

Application July 3, 1936, Serial No. 88,721
7 Claims. (Cl. 34—12)

1. Process for continuous drying of sheet products which comprises travelling the sheet through a drier while making continuous application of pressure thereto, and wherein higher pressure is applied to the sheet initially than during the remainder of the pressure application.

3. Apparatus for continuous drying of fiber sheets under pressure comprising girder belts with adjacent runs, sheet metal belts encircling the respective girder belts, a continuous wire mesh belt encircling one of said sheet metal belts, means for clamping the girders of the belts together during movement in adjacent runs, and



a drier through which a sheet, which is clamped between the sheet metal belts with the wire mesh between it and one of the sheet metal belts is traveled by the moving belts.

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2,122,377

**ELECTRON DISCHARGE TUBE**

Henry J. McCarthy, Danvers, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application August 6, 1936, Serial No. 94,524
4 Claims. (Cl. 250—27.5)



4. An electron discharge tube of the alternating current heater type, the combination of a pair of indirectly heated cathodes each including a cathode sleeve and a heater wire, a grid for each of the sleeves, an anode common to both sleeves, a pair of lead-in wires for connection to a source of heating current, a direct connection from one of the lead-in wires to one of the sleeves, a direct connection from the other of the lead-in wires to the other sleeve, said heater wires being connected in series across said lead-in wires.

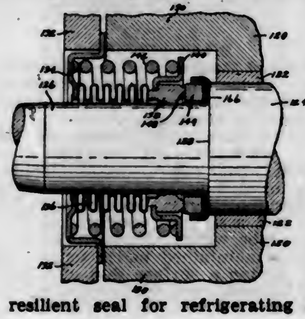
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2,122,378

**RESILIENT YIELDING MATERIAL**

Alex A. McCormack, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application October 30, 1935, Serial No. 47,516
2 Claims. (Cl. 106—22)



1. A resilient seal for refrigerating systems



comprising a substance containing ingredients about in the following proportions by volume:

| | Per cent |
|---|---|
| Polymer of chloro-2-butadiene-1,3 | 66.2 |
| Magnesium oxide | 6.6 |
| Zinc oxide | 6.6 |
| Wood rosin | 1.3 |
| Carbon | 19.2 |

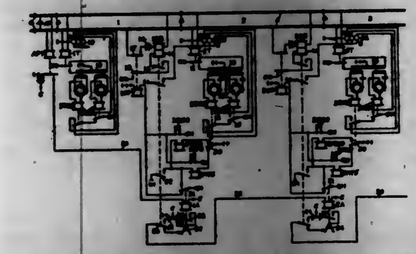
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2,122,379

**SIGNALING SYSTEM FOR RAILROADS**

Neil D. Preston, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application August 24, 1935, Serial No. 37,744
24 Claims. (Cl. 246—41)



1. A coded track circuit system for railroads comprising, in combination with a track circuit having a source of current connected across the track rails at one end, a normally inactive coding device for intermittently interrupting the supply of current from said source to the track circuit, and means including a relay in series with said source and between the source and the track rails for automatically initiating operation of said coding device upon entrance of a train into said track circuit.

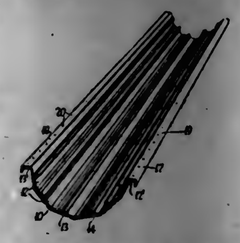
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2,122,380

**MAST**

Earl J. W. Ragsdale, Norristown, and Charles B. Conwell, Narberth, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 22, 1934, Serial No. 716,836
Renewed November 19, 1937
18 Claims. (Cl. 189—23)



1. A sheet metal column structure of polygonal cross-sectional contour formed of overlapping layers of tapered staves of angular section each stave having a relatively wide portion on one side of the angle and a relatively narrow portion on the other side of the angle, the narrow portions in one layer overlapping a portion of the wide portions of another layer, the marginal edges of the wide portions of both layers overlapping, and longitudinal stiffening ribs secured to the inside surfaces of the inside layer of staves each spot welded through the said overlapping marginal portions of the said wide portions, said ribs having freely projecting arms and a bulk-head structure secured to said arms.

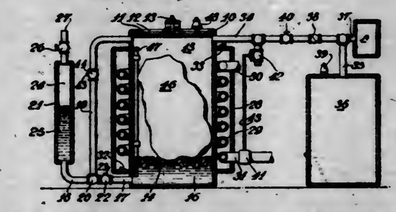
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2,122,381

**REFRIGERATING METHOD AND APPARATUS**

Joseph Raymond, Baltimore County, Md., assignor, by mesne assignments, to T. Calvin Daggett, H. Hamilton Hackney, George Myer, Joseph Raymond, and Robert I. Welsh

Application August 31, 1934, Serial No. 742,302
14 Claims. (Cl. 62—91.5)



6. A method of refrigerating comprising placing a solid refrigerant into a substantially closed container in the presence of a body of liquid, causing the liquid to contact the refrigerant at pressures within the container below a predetermined value, breaking the contact between the liquid and refrigerant at pressures within the container above the predetermined value, and venting the container at pressures exceeding a second predetermined value.

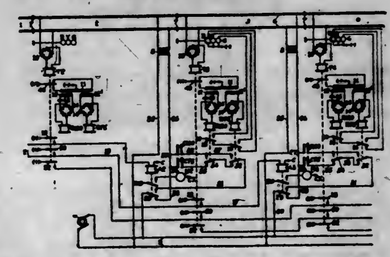
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2,122,382

**SIGNALING SYSTEM FOR RAILROADS**

Wade H. Reichard, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application April 10, 1935, Serial No. 15,645
11 Claims. (Cl. 246—38)



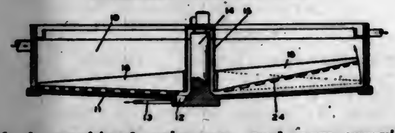
1. In a system of signaling for railroads, the combination with a plurality of track circuits each having a track relay, of coding means operable to intermittently energize each of said track circuits with impulses of distinctive code characteristics, decoding means associated with each track relay and responsive to the characteristic code impulses energizing that relay for controlling the code characteristics of the current supplied to the track circuit in the rear, said coding means being normally inactive, and means for initiating operation of the coding means for a plurality of track circuits in advance of the one occupied by a train.

2,122,383

## SEDIMENTATION APPARATUS (AUTOMATIC LIFTING ARM)

Charles H. Scott, Queens Village, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application June 14, 1935, Serial No. 26,532
6 Claims. (Cl. 210—55)



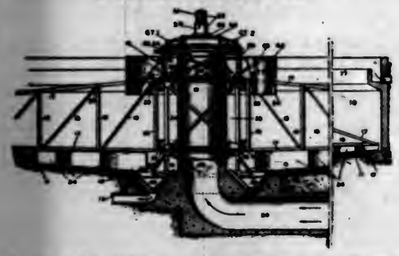
1. A combined rake-arm and arm-carrying construction for use in a liquid-solids sedimentation zone essentially comprising a longitudinally extending front upper chord member, a longitudinally extending front lower chord member, a longitudinally extending rear lower chord member, which said chord members are suitably connected and assembled into a unitary hollow skeleton type of arm tapering in size between a larger inner end thereof and a smaller outer end thereof, longitudinally spaced sediment raking blades connecting the lowermost chord members, and vertically and horizontally spaced hinge members arranged with the pintle axes thereof in alignment, of which an upper front hinge member is connected to the rake-arm in the immediate vicinity of the inner end of the upper front chord member and a rear lower hinge member is connected to the rake-arm in the immediate vicinity of the inner end of the lower rear chord member.

2,122,384

## SEDIMENTATION APPARATUS

Charles H. Scott, Queens Village, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application April 25, 1936, Serial No. 76,349
9 Claims. (Cl. 210—55)



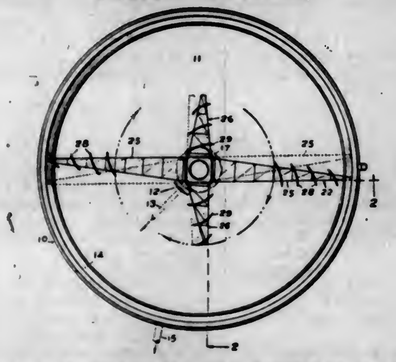
1. A sedimentation apparatus comprising a basin having a pier upstanding therein with a stationary bearing member mounted on the pier, and a horizontally-turnable power-driven sediment raking structure equipped with raking arms normally operable in submergence; said sediment raking structure deriving its support through the medium of a horizontally-turnable main bearing member which in turn derives its support from said stationary bearing member; and also having a framework depending from said turnable bearing member; said framework having a cage portion comprising a geometrical body section surrounding the pier and from the lower portion of which the rake arms are carried, and an intermediate body carrying section interposed between the horizontally-turnable upper bearing member and the body section; said body section having vertical corner members, upper horizontal tie members, lower horizontal tie members, sets of cross diagonals arranged in vertically extending planes, upper horizontal corner braces, and lower horizontal corner braces, all connected so that the body section results with vertical panels each including two of the vertical corner members that are connected by one of the upper and one of the lower horizontal tie members and one of the sets of cross diagonals connected into the rest of the structure of the vertical panel in the regions where the horizontal tie members are connected to the vertical corner members, the adjacent panels being braced by one of the upper and one of the lower corner braces interposed as connecting members respectively (*a*) between corresponding upper horizontal tie members connected to the vertical corner member common to the adjacent panels and (*b*) between corresponding lower tie members connected to the particular vertical corner member; said body carrying section being provided by intermediate carrying structures for and corresponding to the vertical panels, and as to each of which carrying structures an upper portion thereof is connected to the horizontally-turnable main bearing member while lower portions thereof are connected to and at horizontally-spaced sections of the upper portion of the structure of the vertical panel to which it corresponds.

2,122,385

## SEDIMENTATION APPARATUS (LONG AND SHORT TORQUE ARMS)

Charles H. Scott, Queens Village, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application January 27, 1937, Serial No. 122,511
5 Claims. (Cl. 210—55)



1. A sedimentation unit comprising a tank having a bottom with marginal wall, means for supplying a liquid-solids mixture to the tank, supernatant liquid withdrawal means leading from the upper portion of the tank and a sediment discharge leading from the central lower portion of the tank; and in association with the foregoing a sediment raking mechanism having a unidirectional horizontally-turnable arm-carrying structure and outwardly extending rake arms supported thereby and provided for cooperatively collecting and transferring sedimented material from diverse sections of the tank bottom to said sediment discharge; which said rake arms comprise short rake arms provided with blades for raking only an inlying annular section of the tank bottom and also long pivotally-mounted rake arms extending outwardly into a region beyond that traversed by the raking blades of the short rake arms and provided with blades disposed for raking only an annular floor section of the tank bottom of which the inner and outer diameters are relatively large as compared with the corresponding diameters of the aforementioned inlying annular floor section and particularly disposed so as to essentially leave unraked thereby a substantial portion of the inlying annular floor section, each pivotally-mounted rake arm being supported from the arm-carrying structure through the medium of vertically and horizontally spaced hinges arranged with the pintle axes in alignment along a line having a downward and rearward slope.



2,122,386

## PENCIL SHARPENER

William F. Wells, Minneapolis, Minn.

Application May 6, 1937, Serial No. 141,037
3 Claims. (Cl. 120—93)



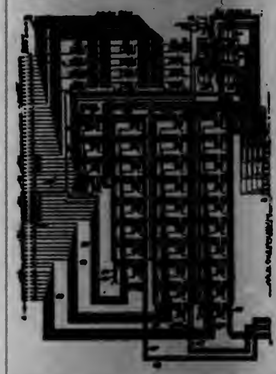
1. In a device of the kind described, a tubular casing combined with a pencil sharpener including a block telescoped into said casing and formed with a conical bore and having an oblique longitudinal slot opening into said bore and provided adjacent said slot with a cutting blade, said conical bore being open at its inner end and said block being formed with a notch adjacent said open end, and which notch extends from the bottom up that side of the slot that is spaced from the cutting edge of said blade.

2,122,387

## STOCK SELECTING AND INDICATING SYSTEM

Evan R. Wheeler, North Plainfield, and Emerson J. Sertore, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application January 20, 1930, Serial No. 422,148
12 Claims. (Cl. 177—352)



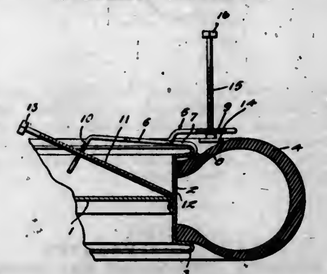
7. A code signal system for operating a quotation board comprising a transmitting station, a receiving station, a line connecting said stations, a group of quotation indicators at the receiving station for each quotation, each group comprising separate indicators for the tens, units and fractions digits of a quotation, a transmitter at the transmitting station for sending over the line a series of code signals each consisting of a uniform number of electrical impulses, including a distinct code combination individual to each letter of the alphabet and a distinct code combination individual to each digit of the tens, units and fractions values of the quotation, means at the receiving station responsive to said received alphabetical code combinations to select a group of indicators for operation, and means to variably operate the indicators of the selected group in accordance with the received digit code combinations.

2,122,388

## TIRE DEMOUNTING UNIT

Herman W. Wilkerson, Hearne, Tex.

Application July 19, 1937, Serial No. 154,493
2 Claims. (Cl. 157—6)



2. A tire unit comprising a plate, spaced hooks formed on said plate to engage a flange of a tire rim of a wheel, an extension formed on said plate and disposed laterally of the hooks and opposite a wall of a tire mounted on the rim, a rod threaded on said extension, a pressure plate carried by said rod to engage and force the tire away from a flange of the rim by the rotation of said rod, a second extension on the first plate and disposed angularly with respect thereto, and adjustable means on the second extension to engage the wheel.

2,122,389

## ANIMAL DIP

Robert L. Sibley, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 17, 193
Serial No. 711,824
4 Claims. (Cl. 167—36)

4. Animal dip comprising an arsenic and s
containing mixture and the sodium salt o
furic acid derivative of the
butyl alcohol and

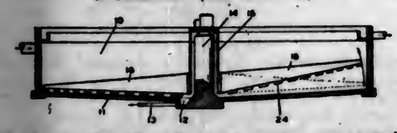
Joel Eklund, N
Chemical Cons
N. Y., a corpor
Application Septe
5 Claims.

4. In a waste heat boiler, in
boiler housing, upper a
longitudinally of said
baffle extending the len
the lower drum to a le

for a milling machine
wn.

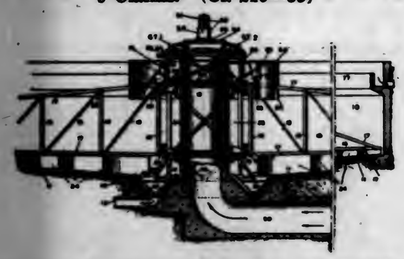
905

2,122,383
**SEDIMENTATION APPARATUS (AUTOMATIC LIFTING ARM)**
Charles H. Scott, Queens Village, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application June 14, 1935, Serial No. 26,532
6 Claims. (Cl. 210—55)



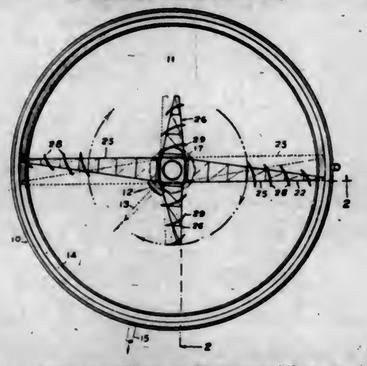
1. A combined rake-arm and arm-carrying construction for use in a liquid-solids sedimentation zone essentially comprising a longitudinally extending front upper chord member, a longitudinally extending front lower chord member, a longitudinally extending rear lower chord member, which said chord members are suitably connected and assembled into a unitary hollow skeleton type of arm tapering in size between a larger inner end thereof and a smaller outer end thereof, longitudinally spaced sediment raking blades connecting the lowermost chord members, and vertically and horizontally spaced hinge members arranged with the pintle axes thereof in alignment, of which an upper front hinge member is connected to the rake-arm in the immediate vicinity of the inner end of the upper front chord member and a rear lower hinge member is connected to the rake-arm in the immediate vicinity of the inner end of the lower rear chord member.

2,122,384
**SEDIMENTATION APPARATUS**
Charles H. Scott, Queens Village, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application April 25, 1936, Serial No. 76,349
9 Claims. (Cl. 210—55)



1. A sedimentation apparatus comprising a basin having a pier upstanding therein with a stationary bearing member mounted on the pier, and a horizontally-turnable power-driven sediment raking structure equipped with raking arms normally operable in submergence; said sediment raking structure deriving its support through the medium of a horizontally-turnable main bearing member which in turn derives its support from said stationary bearing member, and also having a framework depending from said turnable bearing member; said framework having a cage portion comprising a geometrical body section surrounding the pier and from the lower portion of which the rake arms are carried, and an intermediate body carrying section interposed between the horizontally-turnable upper bearing member and the body section; said body section having vertical corner members, upper horizontal tie members, lower horizontal tie members, sets of cross diagonals arranged in vertically extending planes, upper horizontal corner braces, and lower horizontal corner braces, all connected so that the body section results with vertical panels each including two of the vertical corner members that are connected by one of the upper and one of the lower horizontal tie members and one of the sets of cross diagonals connected into the rest of the structure of the vertical panel in the regions where the horizontal tie members are connected to the vertical corner members, the adjacent panels being braced by one of the upper and one of the lower corner braces interposed as connecting members respectively (a) between corresponding upper horizontal tie members connected to the vertical corner member common to the adjacent panels and (b) between corresponding lower tie members connected to the particular vertical corner member; said body carrying section being provided by intermediate carrying structures for and corresponding to the vertical panels, and as to each of which carrying structures an upper portion thereof is connected to the horizontally-turnable main bearing member while lower portions thereof are connected to and at horizontally-spaced sections of the upper portion of the structure of the vertical panel to which it corresponds.

2,122,385
**SEDIMENTATION APPARATUS (LONG AND SHORT TORQUE ARMS)**
Charles H. Scott, Queens Village, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application January 27, 1937, Serial No. 122,511
5 Claims. (Cl. 210—55)



1. A sedimentation unit comprising a tank having a bottom with marginal wall, means for supplying a liquid-solids mixture to the tank, supernatant liquid withdrawal means leading from the upper portion of the tank and a sediment discharge leading from the central lower portion of the tank; and in association with the foregoing a sediment raking mechanism having a unidirectional horizontally-turnable arm-carrying structure and outwardly extending rake arms supported thereby and provided for cooperatively collecting and transferring sedimented material from diverse sections of the tank bottom to said sediment discharge; which said rake arms comprise short rake arms provided with blades for raking only an inlying annular section of the tank bottom and also long pivotally-mounted rake arms extending outwardly into a region beyond that traversed by the raking blades of the short rake arms and provided with blades disposed for raking only an annular floor section of the tank bottom of which the inner and outer diameters are relatively large as compared with the corresponding diameters of the aforementioned inlying annular floor section and particularly disposed so as to essentially leave unraked thereby a substantial portion of the inlying annular floor section, each pivotally-mounted rake arm being supported from the arm-carrying structure through the medium of vertically and horizontally spaced hinges arranged with the pintle axes in alignment along a line having a downward and rearward slope.

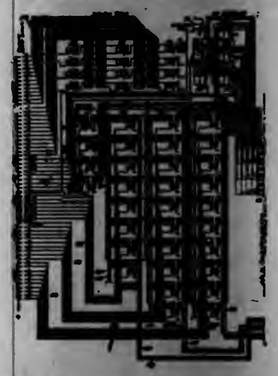


2,122,386
**PENCIL SHARPENER**
William F. Wells, Minneapolis, Minn.
Application May 6, 1937, Serial No. 141,037
3 Claims. (Cl. 120—93)



1. In a device of the kind described, a tubular casing combined with a pencil sharpener including a block telescoped into said casing and formed with a conical bore and having an oblique longitudinal slot opening into said bore and provided adjacent said slot with a cutting blade, said conical bore being open at its inner end and said block being formed with a notch adjacent said open end, and which notch extends from the bottom up that side of the slot that is spaced from the cutting edge of said blade.

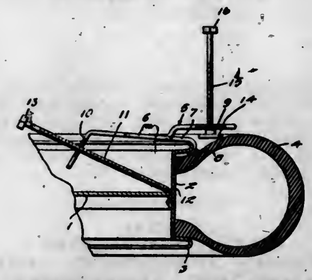
2,122,387
**STOCK SELECTING AND INDICATING SYSTEM**
Evan R. Wheeler, North Plainfield, and Emerson J. Sertore, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application January 20, 1930, Serial No. 422,148
12 Claims. (Cl. 177—353)



7. A code signal system for operating a quotation board comprising a transmitting station, a receiving station, a line connecting said stations, a group of quotation indicators at the receiving station for each quotation, each group comprising separate indicators for the tens, units and fractions digits of a quotation, a transmitter at the transmitting station for sending over the line a series of code signals each consisting of a uniform number of electrical impulses, including a distinct code combination individual to each letter of the alphabet and a distinct code combination individual to each digit of the tens, units and fractions values of the quotation, means at the receiving station responsive to said received alphabetical code combinations to select a group of indicators for operation, and means to variably operate the indicators of the selected group in accordance with the received digit code combinations.



2,122,388
**TIRE DEMOUNTING UNIT**
Herman W. Wilkerson, Hearne, Tex.
Application July 19, 1937, Serial No. 154,493
2 Claims. (Cl. 157—6)



2. A tire unit comprising a plate, spaced hooks formed on said plate to engage a flange of a tire rim of a wheel, an extension formed on said plate and disposed laterally of the hooks and opposite a wall of a tire mounted on the rim, a rod threaded on said extension, a pressure plate carried by said rod to engage and force the tire away from a flange of the rim by the rotation of said rod, a second extension on the first plate and disposed angularly with respect thereto, and adjustable means on the second extension to engage the wheel.

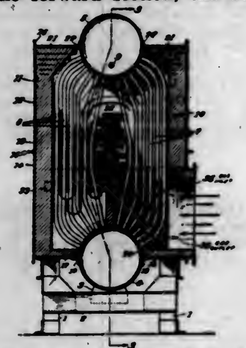
2,122,389
**ANIMAL DIP**
Robert L. Sibley, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 17, 1934, Serial No. 711,824
4 Claims. (Cl. 167—36)

4. Animal dip comprising an arsenic and sulfur containing mixture and the sodium salt of a sulfuric acid derivative of the reaction product of butyl alcohol and diphenyl.

2,122,390
**STEAM BOILER**
Joel Eklund, New Rochelle, N. Y., assignor to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware
Application September 16, 1937, Serial No. 164,120
5 Claims. (Cl. 122—7)

4. In a waste heat boiler, in combination, a boiler housing, upper and lower drums extending longitudinally of said [illegible] a longitudinal baffle extending the length for a [illegible] using from the lower drum to a level [illegible]own. [illegible]pper drum

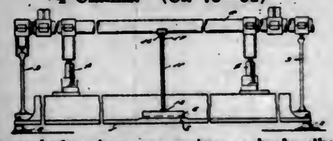
and dividing the boiler housing into communicating forward and rear sections, banks of tubes connecting the upper and lower drums on each side of said baffle, an inlet and an outlet for hot gases in the forward section, the outlet being



substantially smaller than the inlet, a transverse baffle extending completely across said forward section cutting off the inlet from the outlet and a transverse baffle in said rear section terminating above said lower drum and permitting the passage of gases thereunder.

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**2,122,391**
**BALANCING APPARATUS**
**Jacob Lundgren, Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania**
**Application June 17, 1935, Serial No. 26,946**
**4 Claims. (Cl. 73—51)**



1. In a balancing apparatus, a bed, vibration members on the bed, a vibratory frame on the vibration member, stay rod forks to engage the side rails of the frame and having their upper ends angularly cut away, support rods connected with said stay rod forks, and means to secure said support rods with respect to the bed.

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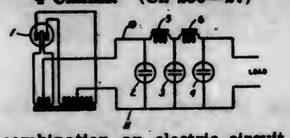
**2,122,392**
**ELECTROLYTIC DEVICE**
**Preston Robinson, Williamstown, and Joseph L. Collins, South Boston, Mass., assignors to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts**
**Application September 10, 1934, Serial No. 743,468**
**11 Claims. (Cl. 175—315)**



1. In the manufacture of electrolytic condensers, the process which comprises, electrolytically forming an operating dielectric film on a filming electrode in an alkaline solution having a pH between 8 and 10, and subjecting the electrode to a second formation in a non-alkaline electrolyte.

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**2,122,393**
**ELECTROLYTIC DEVICE**
**Preston Robinson, Williamstown, and Joseph L. Collins, South Boston, Mass., assignors to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts**
**Application September 10, 1934, Serial No. 743,469**
**4 Claims. (Cl. 250—27)**

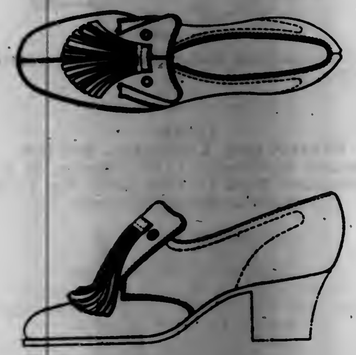


1. In combination an electric circuit and an electrolytic condenser, said condenser being formed at a voltage corresponding to the voltage which it has to stand in normal operation in said circuit and being adapted to stand for extended time intervals a voltage exceeding considerably said normal voltage without deleterious influence to the condenser.

# DESIGNS

## JUNE 28, 1938

**110,235**
**DESIGN FOR A SHOE**
**Jerome Edson Andrews, Andover, Mass.**
**Application May 26, 1938, Serial No. 77,447**
**Term of patent 3½ years**



The ornamental design for a shoe substantially as shown and described.

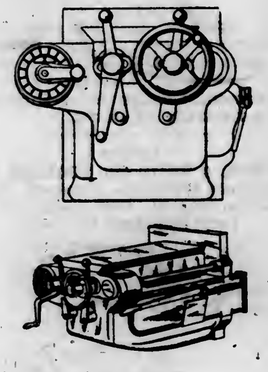
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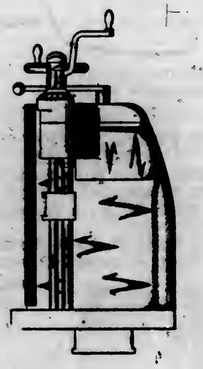
**110,236**
**DESIGN FOR A TEXTILE FABRIC**
**Jack Antkies, New York, N. Y.**
**Application June 1, 1938, Serial No. 77,495**
**Term of patent 3½ years**



The ornamental design for a textile fabric substantially as shown and described.

**110,237**
**DESIGN FOR A MILLING MACHINE KNEE**
**Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin**
**Application September 9, 1937, Serial No. 71,522**
**Term of patent 14 years**





The ornamental design for a milling machine knee, substantially as shown.

110,238
**DESIGN FOR A SHOE OR SIMILAR ARTICLE**
Benjamin Benjamin, Freeport, N. Y.
Application May 21, 1938, Serial No. 77,332
Term of patent 3½ years





The ornamental design for a shoe or similar article, substantially as shown.

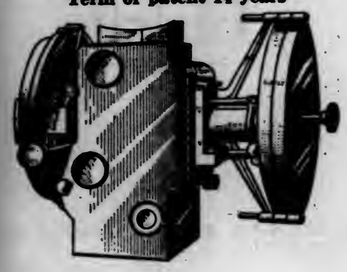
110,239
**DESIGN FOR A SHOE OR SIMILAR ARTICLE**
Benjamin Benjamin, Freeport, N. Y.
Application May 21, 1938, Serial No. 77,333
Term of patent 3½ years



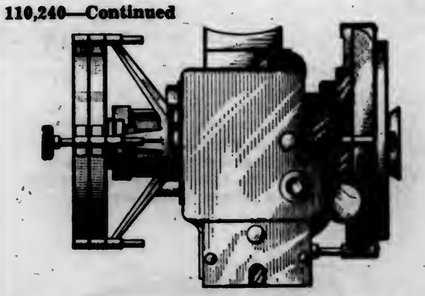


The ornamental design for a shoe or similar article, substantially as shown.

110,240
**DESIGN FOR A MOTION PICTURE PROJECTOR**
Ewald Boecking, Great Kills, Staten Island, N. Y., assignor to International Projector Corporation, New York, N. Y., a corporation of Delaware
Application April 19, 1938, Serial No. 76,601
Term of patent 14 years

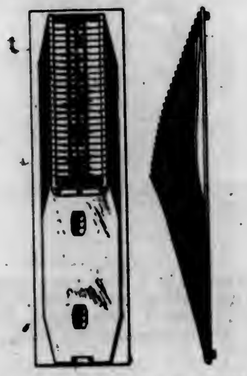


110,240—Continued



The ornamental design for a motion picture projector, as shown.

110,241
**DESIGN FOR A SORTING DEVICE**
Reuben H. Chambers, Washington, D. C.
Application April 15, 1938, Serial No. 76,548
Term of patent 3½ years



The ornamental design for a sorting device, as shown.

110,242
**DESIGN FOR A SLIPPER**
Gennaro Del Re, New York, N. Y.
Application May 27, 1938, Serial No. 77,422

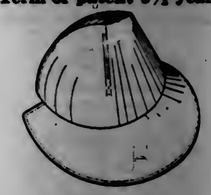


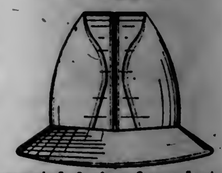


Term of patent 3½ years
The ornamental design for a slipper substantially as shown.



110,243
**DESIGN FOR A HAT**
Nathan Du Bow, New York, N. Y.
Application April 22, 1938, Serial No. 76,721
Term of patent 3½ years





The ornamental design for a hat substantially as shown.

110,244
**DESIGN FOR A BOOTEE**
Louis J. Epstein, Jersey City, N. J.
Application May 3, 1938, Serial No. 76,939
Term of patent 3½ years





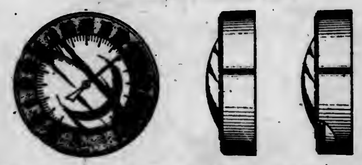
The ornamental design for a bootee substantially as shown.

110,245
**DESIGN FOR A COMBINED BOTTLE AND CONTAINER THEREFOR**
Otto S. Garry and Percy M. Brown, New York, N. Y.
Application May 6, 1938, Serial No. 77,023
Term of patent 14 years



The ornamental design for a combined bottle and container therefor, substantially as shown and described.

110,246
**DESIGN FOR A THERMOMETER**
Lurelle Guild, Darien, Conn., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application December 2, 1937, Serial No. 73,320
Term of patent 7 years



The ornamental design for a thermometer, as shown.

110,247
**DESIGN FOR A COAT**
Joseph Henschel, New York, N. Y.
Application April 16, 1938, Serial No. 76,563
Term of patent 3½ years





The ornamental design for a coat substantially as shown.

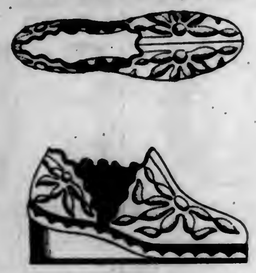
110,248
**DESIGN FOR A SHOE**
Alphons Hurzeler, New Rochelle, N. Y.
Application May 17, 1938, Serial No. 77,250
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

110,249
**DESIGN FOR A SHOE**
David Levin, New York, N. Y.
Application May 17, 1938, Serial No. 77,249
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

110,250
**DESIGN FOR A SHOE**
David Levin, New York, N. Y.
Application May 17, 1938, Serial No. 77,248
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

110,251
**DESIGN FOR A SHOE**
David Levin, New York, N. Y.
Application May 17, 1938, Serial No. 77,247
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

110,252
**DESIGN FOR A FACE MASSAGER OR THE LIKE**
Florence N. Lewis, New York, N. Y.
Application May 6, 1938, Serial No. 77,036
Term of patent 14 years



The ornamental design for a face massager or the like.

110,253
**DESIGN FOR SHORTS**
Joseph Melville, Long Beach, N. Y., assignor to Beatrice Melville, Long Beach, N. Y.
Application April 25, 1938, Serial No. 76,736
Term of patent 14 years



The ornamental design for shorts, substantially as shown.

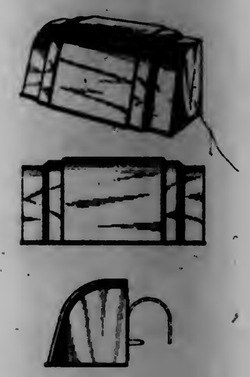
110,254
**DESIGN FOR A HAT**
Murray Marks, New York, N. Y., assignor to Betmar Hats, Inc., New York, N. Y., a corporation of New York
Application April 2, 1938, Serial No. 76,250
Term of patent 3½ years



The ornamental design for a hat, as shown.

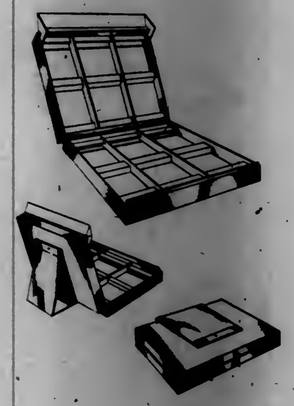


110,255
**DESIGN FOR A LAMP SHADE**
Victor Nemeroff, Chicago, Ill., assignor to Electro Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 10, 1938, Serial No. 75,720
Term of patent 7 years



The ornamental design for a lamp shade as shown.

110,256
**DESIGN FOR A DISPLAY BOX**
Alfred Neumann, New York, N. Y.
Application May 9, 1938, Serial No. 77,068
Term of patent 3½ years



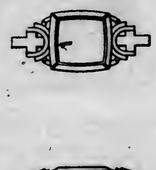
The ornamental design for a display box substantially as shown.

110,257
**DESIGN FOR A PENNANT-LIKE DEVICE**
Frank L. Ogg, Los Angeles, Calif.
Application March 9, 1938, Serial No. 75,693
Term of patent 3½ years



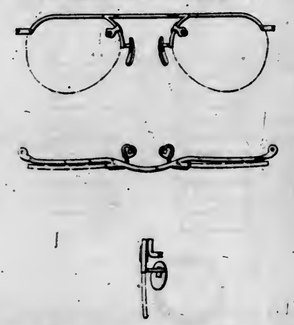

The ornamental design for a pennant-like device substantially as shown and described.

110,258
**DESIGN FOR A WATCHCASE**
Ben Ogush, New York, N. Y., assignor to Katz & Ogush, Inc., New York, N. Y., a corporation of New York
Application February 18, 1938, Serial No. 75,245
Term of patent 7 years



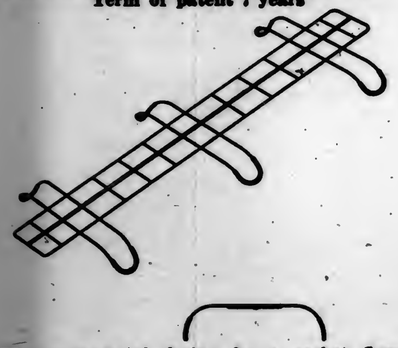
The ornamental design for a watchcase, as shown.

110,259
**DESIGN FOR A SPECTACLE FRONT**
Jacob J. Pomerans, Brooklyn, N. Y.
Application January 31, 1938, Serial No. 74,752
Term of patent 14 years



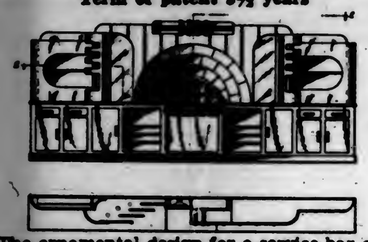
The ornamental design for a spectacle front, as shown and described.

110,260
**DESIGN FOR A CASKET FLOWER HOLDER**
Harry C. Robinson, Chattanooga, Tenn.
Application April 23, 1938, Serial No. 76,728
Term of patent 7 years



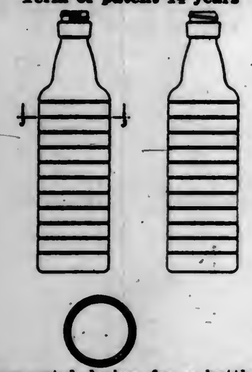
The ornamental design for a casket flower holder as shown.

110,261
**DESIGN FOR A SERVICE BAR COUNTER**
Andrew J. Stephens, Kansas City, Mo.
Application April 4, 1938, Serial No. 76,290
Term of patent 3½ years



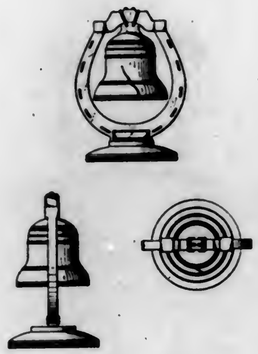
The ornamental design for a service bar counter, as shown.

110,262
**DESIGN FOR A BOTTLE**
Norman F. Steuer, San Francisco, Calif., assignor to Quality Brands, Inc., San Francisco, Calif., a corporation of California
Application April 15, 1938, Serial No. 76,546
Term of patent 14 years



The ornamental design for a bottle, substantially as shown.

110,263
**DESIGN FOR A LAMP**
Carl A. Swanson, Buffalo, and Otto A. Hokanson, North Tonawanda, N. Y.
Application April 25, 1938, Serial No. 76,732
Term of patent 7 years



The ornamental design for a lamp, substantially as shown.

110,264
**DESIGN FOR A PIANO**
William Zaiser, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill., a corporation of Ohio
Application March 14, 1938, Serial No. 75,803
Term of patent 7 years



The ornamental design for a piano, substantially as shown.

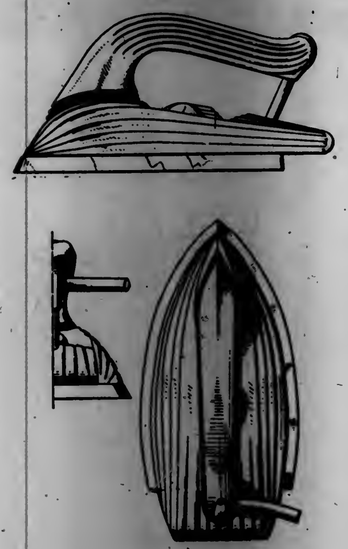


110,265
**DESIGN FOR A BARREL FOR MECHANICAL PENCIL OR SIMILAR ARTICLE**
Robert Back, Chicago, Ill., assignor to The Wahl Company, Chicago, Ill., a corporation of Delaware
Application February 5, 1938, Serial No. 74,910
Term of patent 7 years



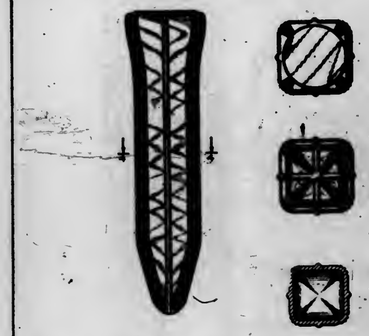
The ornamental design for a barrel for mechanical pencil or similar article substantially as shown and described.

110,266
**DESIGN FOR A FLATIRON**
Leo Ivan Bruce, Jr., Framingham, Mass., assignor to The Fitzgerald Manufacturing Company, Winsted, Conn., a corporation of Connecticut
Application March 14, 1938, Serial No. 75,805
Term of patent 14 years



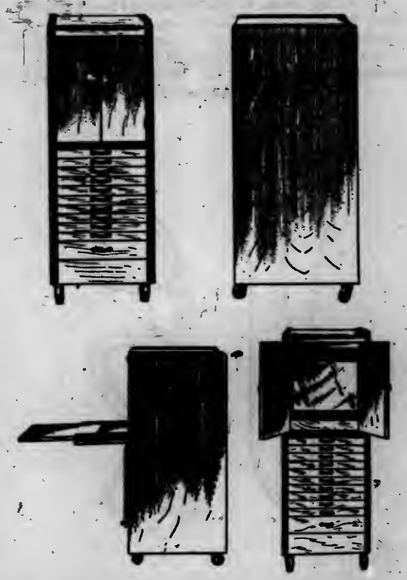
The ornamental design for a flatiron, as shown.

110,267
**DESIGN FOR A FLASHLIGHT CASING**
William W. Cargill, Madison, Wis., assignor to Blake Manufacturing Corporation, Clinton, Mass., a corporation of Massachusetts
Application February 21, 1938, Serial No. 75,363
Term of patent 14 years



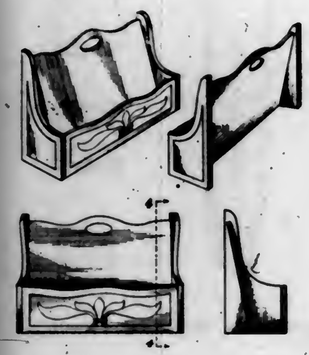
The ornamental design for a flashlight casing, as shown.

110,268
**DESIGN FOR A COMBINED STORAGE CABINET AND DISPLAY SCREEN**
Albert S. Carman, New York, N. Y., assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York
Application February 28, 1938, Serial No. 75,461
Term of patent 7 years



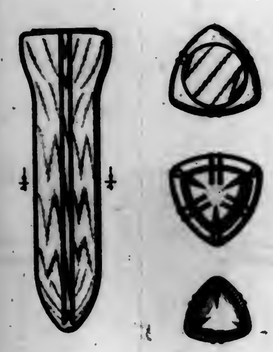
The ornamental design for a combined storage cabinet and display screen, as shown and described.

110,269
**DESIGN FOR A MAGAZINE RACK**
Howard Bosworth Churchill, Voorheesville, N. Y.
Application February 23, 1938, Serial No. 75,355
Term of patent 7 years



The ornamental design for a magazine rack, as shown.

110,270
**DESIGN FOR A FLASHLIGHT CASING**
Willis P. Coleman, Madison, Wis., assignor to Blake Manufacturing Corporation, Clinton, Mass., a corporation of Massachusetts
Application February 21, 1938, Serial No. 75,301
Term of patent 14 years



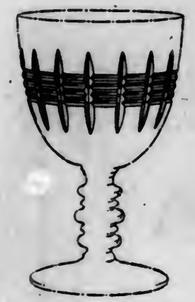
The ornamental design for a flashlight casing, as shown.

110,271
**DESIGN FOR A COMBINATION LAMP AND FISH BOWL**
Herbert F. Crowns, Des Moines, Iowa
Application January 31, 1938, Serial No. 74,700
Term of patent 3½ years



The ornamental design for a combination lamp and fish bowl, substantially as shown.

110,272
**DESIGN FOR A GOBLET OR SIMILAR ARTICLE**
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,825
Term of patent 7 years



The ornamental design for a goblet or similar article as shown.

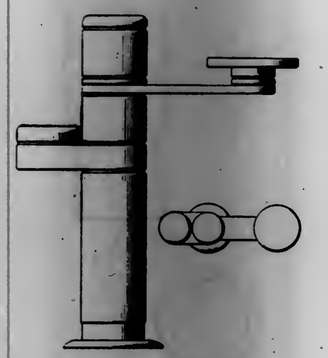


110,273
**DESIGN FOR A GOBLET OR SIMILAR ARTICLE**
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,831
Term of patent 7 years



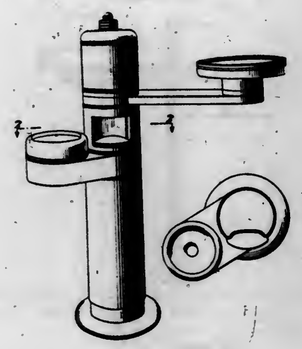
The ornamental design for a goblet or similar article as shown.

110,274
**DESIGN FOR A DENTAL EQUIPMENT STAND**
Henry Dreyfuss, New York, N. Y., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
Application May 4, 1937, Serial No. 69,161
Term of patent 14 years



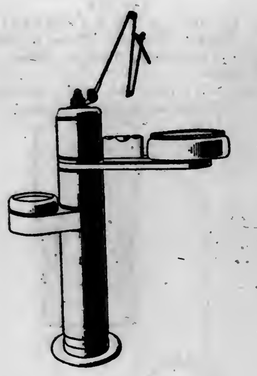
The ornamental design for a dental equipment stand as shown and described.

110,275
**DESIGN FOR A DENTAL EQUIPMENT STAND**
Henry Dreyfuss, New York, N. Y., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
Application May 4, 1937, Serial No. 69,162
Term of patent 14 years



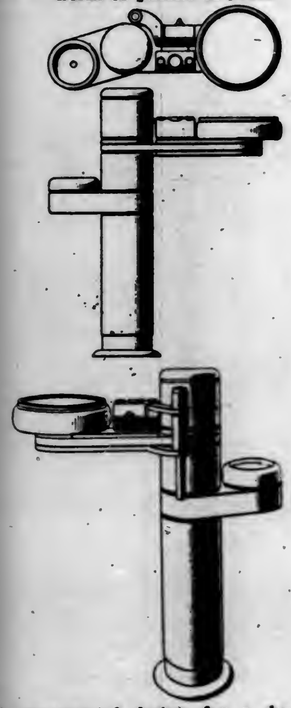
The ornamental design for a dental equipment stand as shown and described.

110,276
**DESIGN FOR A DENTAL EQUIPMENT UNIT**
Henry Dreyfuss, New York, N. Y., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
Application May 4, 1937, Serial No. 69,163
Term of patent 14 years



The ornamental design for a dental equipment unit as shown and described.

110,277
**DESIGN FOR A DENTAL EQUIPMENT STAND**
Henry Dreyfuss, New York, N. Y., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
Application May 4, 1937, Serial No. 69,164
Term of patent 14 years



The ornamental design for a dental equipment stand as shown.

110,278
**DESIGN FOR A TUMBLER**
Brooks D. Fuerst, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 30, 1937, Serial No. 73,258
Term of patent 7 years



The ornamental design for a tumbler substantially as shown.

110,279
**DESIGN FOR A TUMBLER**
Brooks D. Fuerst, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 30, 1937, Serial No. 73,259
Term of patent 7 years



The ornamental design for a tumbler substantially as shown.

110,280
**DESIGN FOR A TUMBLER**
Brooks D. Fuerst, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 3, 1937, Serial No. 73,337
Term of patent 7 years



The ornamental design for a tumbler substantially as shown.



110,281
**DESIGN FOR A TUMBLER**
Edwin W. Fuerst, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 30, 1937, Serial No. 73,255
Term of patent 7 years



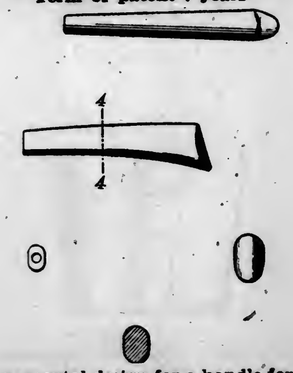
The ornamental design for a tumbler substantially as shown.

110,282
**DESIGN FOR A HANDBAG**
Samuel R. Goldsmith, New York, N. Y.
Application April 6, 1938, Serial No. 76,323
Term of patent 3½ years



The ornamental design for a handbag substantially as shown.

110,283
**DESIGN FOR A HANDLE FOR KNIVES, FORKS, AND SIMILAR ARTICLES**
Roy C. Goodrich, Springville, N. Y., assignor to Robinson Knife Co., Springville, N. Y.
Application March 2, 1938, Serial No. 75,540
Term of patent 7 years



The ornamental design for a handle for knives, forks, and similar articles substantially as shown.

110,284
**DESIGN FOR A COLLAR HOLDER**
Irving J. Hopfenberg, New York, N. Y., assignor to Freeman Daughaday Company, Providence, R. I., a corporation of Massachusetts
Application November 29, 1937, Serial No. 73,241
Term of patent 14 years



The ornamental design for a collar holder as shown.

110,285
**DESIGN FOR A HEATER**
Bertrand B. Kahn, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application April 9, 1938, Serial No. 76,410
Term of patent 7 years



The ornamenal design for a heater substantially as shown and described.

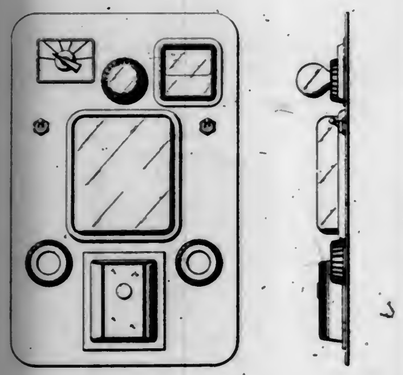
**110,286**
**DESIGN FOR A FLOWERPOT OR ANALOGOUS ARTICLE**
**Edwin P. Krehbiel, Hinsdale, Ill.**
**Application October 16, 1937, Serial No. 72,243**
**Term of patent 3½ years**



The ornamental design for a flowerpot or analogous article as shown.

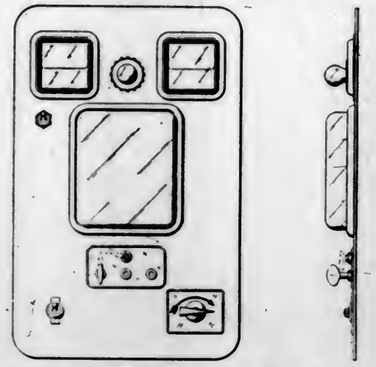
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**110,287**
**DESIGN FOR AN ELECTRIC FENCE CONTROLLER PANEL**
**Sidney A. Moore, Milwaukee, Wis., assignor to The Prime Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin**
**Application February 11, 1938, Serial No. 75,071**
**Term of patent 7 years**



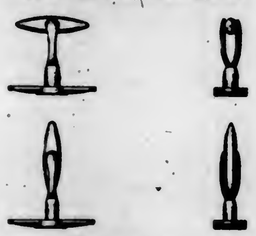
The ornamental design for an electric fence controller panel, as shown.

**110,288**
**DESIGN FOR AN ELECTRIC FENCE CONTROLLER PANEL**
**Sidney A. Moore, Milwaukee, Wis., assignor to The Prime Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin**
**Application February 11, 1938, Serial No. 75,072**
**Term of patent 7 years**



The ornamental design for an electric fence controller panel, as shown.

**110,289**
**DESIGN FOR A CUFF LINK**
**William J. Morse, Attleboro, Mass., assignor to Morse Andrews Company, a corporation of Massachusetts**
**Application August 3, 1937, Serial No. 70,806**
**Term of patent 14 years**



The ornamental design for a cuff link substantially as shown and described.

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**110,290**
**DESIGN FOR A PIN CLIP**
**Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.**
**Application May 2, 1938, Serial No. 76,908**
**Term of patent 3½ years**



The ornamental design for a pin clip, substantially as shown and described.



**110,291**
**DESIGN FOR A PIN CLIP**
**Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.**
**Application May 2, 1938, Serial No. 76,909**
**Term of patent 3½ years**



The ornamental design for a pin clip, substantially as shown and described.

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**110,292**
**DESIGN FOR A PIN CLIP**
**Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.**
**Application May 2, 1938, Serial No. 76,910**
**Term of patent 3½ years**



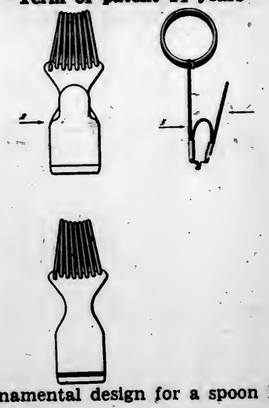
The ornamental design for a pin clip, substantially as shown and described.

**110,293**
**DESIGN FOR A PIN CLIP**
**Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.**
**Application May 2, 1938, Serial No. 76,911**
**Term of patent 3½ years**



The ornamental design for a pin clip, substantially as shown and described.

**110,294**
**DESIGN FOR A SPOON HOLDER**
**Frederick A. Speik, Los Angeles, Calif.**
**Application April 12, 1938, Serial No. 76,457**
**Term of patent 14 years**



The ornamental design for a spoon holder as shown.

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**110,295**
**DESIGN FOR A COMBINED LAPEL PIN AND MATCH BOOK HOLDER**
**Louise H. Thomas, New York, N. Y.**
**Application May 20, 1938, Serial No. 77,304**
**Term of patent 3½ years**



The ornamental design for a combined lapel pin and match book holder, substantially as shown.

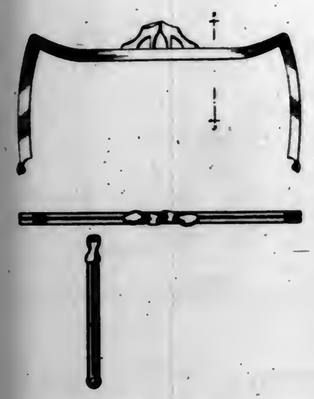
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**110,296**
**DESIGN FOR A BROOCH OR SIMILAR ARTICLE**
**Gene Verrecchio, Providence, R. I.**
**Application May 9, 1938, Serial No. 77,070**
**Term of patent 3½ years**



The ornamental design for a brooch or similar article, substantially as shown.

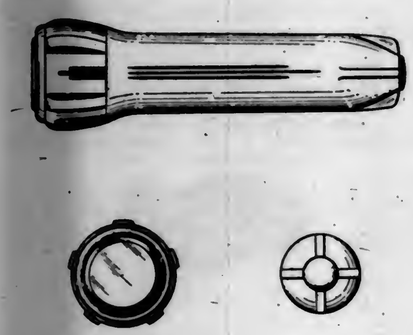
110,297
**DESIGN FOR A HANDBAG FRAME OR SIMILAR ARTICLE**
Benjamin Wachs, New York, N. Y.
Application March 30, 1938, Serial No. 76,161
Term of patent 3½ years



The ornamental design for a handbag frame or similar article, substantially as shown.

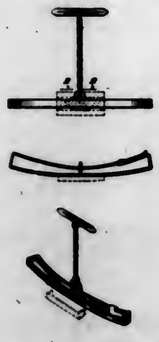
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110,298
**DESIGN FOR A FLASHLIGHT**
Robert G. Williams, Toledo, Ohio, assignor to The Usona Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application November 24, 1937, Serial No. 73,174
Term of patent 7 years



The ornamental design for a flashlight, as shown.

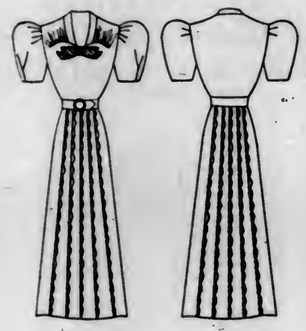
110,299
**DESIGN FOR A CRAVAT HOLDER**
Bernard R. Zeman, Providence, R. I., assignor to Swank Products, Inc., a corporation of Delaware
Application April 28, 1938, Serial No. 76,781
Term of patent 14 years



The ornamental design for a cravat holder, substantially as shown.

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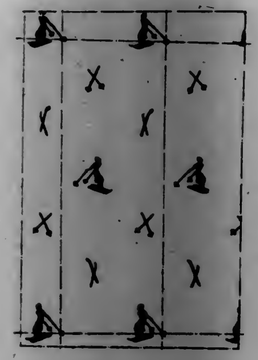
110,300
**DESIGN FOR A DRESS**
Helen Berry, New York, N. Y.
Application April 21, 1938, Serial No. 76,658
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.



110,301
**DESIGN FOR AN EMBROIDERED TEXTILE FABRIC**
Ernest F. Eisinger, New York, N. Y.
Application May 28, 1938, Serial No. 77,442
Term of patent 3½ years



The ornamental design for an embroidered textile fabric substantially as shown and described.

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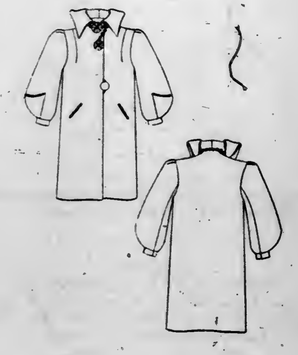
110,302
**DESIGN FOR A BOTTLE**
Raymond Guerlain, Paris, France, assignor to Guerlain Perfumery Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Application April 15, 1938, Serial No. 76,534
Term of patent 14 years



The ornamental design for a bottle as shown.



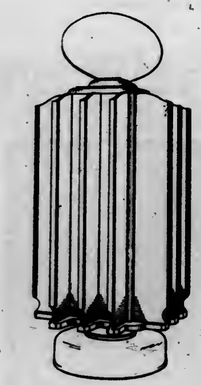
110,303
**DESIGN FOR A COAT**
Joseph Henschel, New York, N. Y.
Application April 16, 1938, Serial No. 76,561
Term of patent 3½ years



The ornamental design for a coat substantially as shown and described.

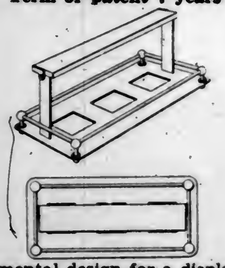
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110,304
**DESIGN FOR A PACKAGE DISPENSER**
Gordon W. Knipple, Chicago, Ill., and Nathan L. Mercer, Marengo, Iowa
Application February 28, 1938, Serial No. 75,476
Term of patent 3½ years



The ornamental design for a package dispenser as shown and described.

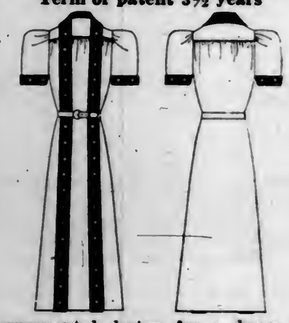
**110,305**
**DESIGN FOR A DISPLAY STAND FOR PERFUME BOTTLES OR THE LIKE**
**Samuel Schein, Brooklyn, N. Y.**
**Application February 19, 1938, Serial No. 75,273**
**Term of patent 7 years**



The ornamental design for a display stand for perfume bottles or the like, as shown.

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**110,306**
**DESIGN FOR A DRESS**
**Victor Tomshinsky, New York, N. Y.**
**Application May 4, 1938, Serial No. 76,963**
**Term of patent 3½ years**



The ornamental design for a dress, substantially as shown and described.

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**110,307**
**DESIGN FOR A TEXTILE FABRIC**
**Louis J. Brenner, New York, N. Y.**
**Application May 26, 1938, Serial No. 77,386**
**Term of patent 3½ years**



The ornamental design for a textile fabric substantially as shown.

**110,308**
**DESIGN FOR A TEXTILE FABRIC**
**Louis J. Brenner, New York, N. Y.**
**Application June 1, 1938, Serial No. 77,494**
**Term of patent 3½ years**



The ornamental design for a textile fabric substantially as shown.

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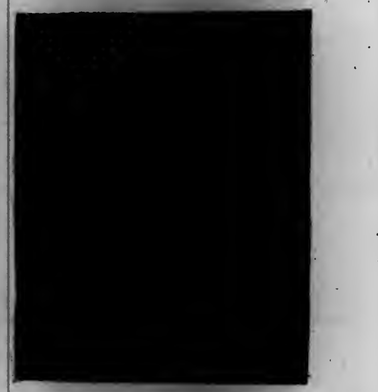
**110,309**
**DESIGN FOR A CHAIR PAD COVER**
**Moses Caplan, Boston, Mass.**
**Application March 9, 1938, Serial No. 75,697**
**Term of patent 3½ years**



The ornamental design for a chair pad cover, substantially as shown.



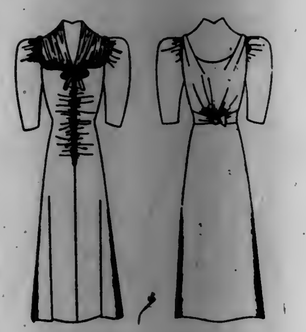
**110,310**
**DESIGN FOR A TEXTILE FABRIC**
**William Cohen, New York, N. Y.**
**Application February 18, 1938, Serial No. 75,234**
**Term of patent 3½ years**



The ornamental design for a textile fabric, substantially as shown and described.

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**110,311**
**DESIGN FOR A DRESS**
**Tora Coleman, New York, N. Y.**
**Application June 8, 1938, Serial No. 77,658**
**Term of patent 3½ years**



The ornamental design for a dress substantially as shown.

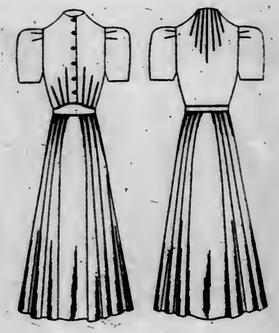
**110,312**
**DESIGN FOR A DRESS**
**Tora Coleman, New York, N. Y.**
**Application June 8, 1938, Serial No. 77,659**
**Term of patent 3½ years**



The ornamental design for a dress substantially as shown.

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**110,313**
**DESIGN FOR A DRESS**
**Tora Coleman, New York, N. Y.**
**Application June 8, 1938, Serial No. 77,660**
**Term of patent 3½ years**



The ornamental design for a dress substantially as shown and described.

110,314
**DESIGN FOR A DRESS**
Pauline Fracchia, New York, N. Y.
Application May 5, 1938, Serial No. 76,992
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

110,315
**DESIGN FOR A TEXTILE FABRIC**
Vallejo Gantner, Hollywood, Calif., assignor to Gantner & Mattern Company, San Francisco, Calif., a corporation of California
Application August 3, 1937, Serial No. 70,821
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

110,316
**DESIGN FOR A BRASSIÈRE**
Irving E. Pecknay, Brooklyn, N. Y., assignor to Divineform Brassiere Co., Inc., New York, N. Y., a corporation of New York
Application May 25, 1938, Serial No. 77,368
Term of patent 3½ years



The ornamental design for a brassière, substantially as shown.

110,317
**DESIGN FOR A DRESS**
Anne Rebhuhn, New York, N. Y.
Application June 2, 1938, Serial No. 77,526
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.



110,318
**DESIGN FOR A DOILY OR SIMILAR ARTICLE**
George Henry Shamyer, New York, N. Y.
Application June 2, 1938, Serial No. 77,527
Term of patent 3½ years



The ornamental design for a doily or similar article, substantially as shown.

110,319
**DESIGN FOR A GLOVE**
Irwin Steinberger, New York, N. Y.
Application April 13, 1938, Serial No. 76,474
Term of patent 3½ years



The ornamental design for a glove, substantially as shown and described.

110,320
**DESIGN FOR A DRESS**
Benjamin Weinstein, New York, N. Y.
Application May 28, 1938, Serial No. 77,438
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

110,321
**DESIGN FOR MERCHANTS' DISCOUNT STAMP OR SIMILAR ARTICLE**
Jacob L. Ellman, University City, Mo.
Application December 6, 1937, Serial No. 73,586
Term of patent 3½ years



The ornamental design for merchants' discount stamp or similar article, substantially as shown.

110,322
**DESIGN FOR A CLOTHES DRYING FRAME**
Harriet Holder French, Newport, R. I.
Application April 27, 1938, Serial No. 76,766
Term of patent 14 years



The ornamental design for a clothes drying frame, as shown.

110,323
**DESIGN FOR A CAMERA OR SIMILAR ARTICLE**
George Kende, New York, N. Y., and Philip J. Brownscombe, East Orange, N. J., assignor to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application March 30, 1938, Serial No. 76,183
Term of patent 14 years



The ornamental design for a camera or similar article substantially as shown.

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110,324
**DESIGN FOR A TEXTILE FABRIC OR THE LIKE**
August Hafner, Whitestone, Long Island, N. Y.
Application June 6, 1938, Serial No. 77,594
Term of patent 3½ years



The ornamental design for a textile fabric or the like as shown and described.

110,325
**DESIGN FOR A TEXTILE FABRIC OR THE LIKE**
August Hafner, Whitestone, Long Island, N. Y.
Application June 6, 1938, Serial No. 77,596
Term of patent 3½ years



The ornamental design for a textile fabric or the like as shown and described.

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110,326
**DESIGN FOR A TEXTILE FABRIC OR THE LIKE**
August Hafner, Whitestone, Long Island, N. Y.
Application June 6, 1938, Serial No. 77,597
Term of patent 3½ years



The ornamental design for a textile fabric or the like as shown and described.



110,327
**DESIGN FOR A TEXTILE FABRIC OR THE LIKE**
August Hafner, Whitestone, Long Island, N. Y.
Application June 6, 1938, Serial No. 77,598
Term of patent 3½ years



The ornamental design for a textile fabric or the like as shown and described.

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110,328
**DESIGN FOR A TEXTILE FABRIC OR THE LIKE**
August Hafner, Whitestone, Long Island, N. Y.
Application June 6, 1938, Serial No. 77,599
Term of patent 3½ years



The ornamental design for a textile fabric or the like as shown and described.

110,329
**DESIGN FOR A TEXTILE FABRIC OR THE LIKE**
August Hafner, Whitestone, Long Island, N. Y.
Application June 6, 1938, Serial No. 77,600
Term of patent 3½ years



The ornamental design for a textile fabric or the like as shown and described.

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110,330
**DESIGN FOR A TEXTILE FABRIC OR THE LIKE**
August Hafner, Whitestone, Long Island, N. Y.
Application June 6, 1938, Serial No. 77,601
Term of patent 3½ years



The ornamental design for a textile fabric or the like as shown and described.

110,231
**DESIGN FOR A TEXTILE FABRIC OR THE LIKE**
August Hafner, Whitestone, Long Island, N. Y.
Application June 6, 1938, Serial No. 77,602
Term of patent 3½ years



The ornamental design for a textile fabric or the like as shown and described.

110,232
**DESIGN FOR A TEXTILE FABRIC OR THE LIKE**
August Hafner, Whitestone, Long Island, N. Y.
Application June 6, 1938, Serial No. 77,605
Term of patent 3½ years



The ornamental design for a textile fabric or the like as shown and described.

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